



JIE Website



JIE Wechat



Established in 1985, JIE has been insisting on manufacturing a great intelligent reducer in 100 years, aiming to build a Chinese world brand with its craftsmanship. JIE had been awarded as national "Little Giant" Enterprise with Specialization, refinement, specialty and novelty, "Hidden Champion" enterprise & "Intelligent Factory" in Zhejiang Province. JIE, based on the Chinese market, serves the global market with its intelligent drive solutions incl. gear units, motors, inverters, sensors & Internet of Things as well as the digital technologies incl. execution layer, acquisition layer, drive layer, control layer & data layer. JIE serves the great customers with great products world-wide. With the core strategy of "Specialization, Intelligence and Globalization", JIE is dedicated to the innovative development model of "Research Institute + Scientific Innovation Center + Intelligent Factory", focusing on Specialization, refinement, specialty and novelty to realize the "Hidden Champion". JIE, a provider of Intelligent Drive Solutions!



HANG ZHOU JIE DRIVE TECHNOLOGY CO.,LTD.

Add. : No.1, JIE Road, Hangzhou Airport Economic Demonstration Zone, 311223, Zhejiang, China.

Tel.: +86 571 8299 1111 400 114 1111

Tel.: +86 571 8299 2222

Fax: +86 571 8299 3333

E-mail : jie@jie.com.cn

Web. : www.jiedrive.com www.jie.com.cn

JIE USA, INC.

Add : 493 Mission St. Carol Stream IL 60188 USA

Tel : +1 630 580 9986

E-mail: info@jie-drives.com

Web : www.jie-drives.com



Gearmotors Selection manual



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JIE DRIVE



JRT Intelligent Gearmotors

JIE INTELLIGENT DRIVE SOLUTIONS PROVIDER



JIE
JDRIVE



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II . Product Pictures



III. Product Description

JRT gearmotor, with independent intellectual property rights, is featured with beautiful appearance, low noise, no oil leakage, fast delivery, which is intelligent and trouble-free. It includes JRTR helical inline gearmotor, JRTF parallel shaft helical gearmotor, JRTH helical bevel gearmotor and JRTS helical worm gearmotor.

JRT gearmotor promotes lean production, builds intelligent factories, and realizes the integration of research, production, supply, marketing and service, so as to meet customers' demand for rapid response through complete product planning and design such as "core product-extreme technology, peripheral product-extreme service, external product-extreme experience" and the implementation of the optimal plan of lean production in the whole value chain such as "product planning, design validation, processing test, assembly test, warehouse logistics, sales service, information system, HR, operation plan, strategy planning".

JRT gearmotor follows the concept of modular and optimized design. The whole-series product comprises gearmotor, variable-frequency integral gearmotor, AD-type solid shaft input interface, AM-type IEC motor input interface, AQS-type servo motor input interface, AN-type NEMA motor input interface, solid shaft output module, spline hollow shaft output module and locking disc output module, flange output module, foot installation, flange installation, torque arm installation and other input interfaces, output modules and installation types. This product supports the modular combination and integration of multi-stage gearbox with different types adapters, with standard painting color RAL7031 & packed based on order. And available for customized base on customer requirement.

JIE is committed to providing great products for great partners across the world, JIE Intelligent Drive Solutions Provider.



IV. Model Description

1. JRTR Helical Inline Gearmotor Model Description

J	RTR	F	69	II	DN	80	M	4	BE	HF	TF	128.97	M1	180°	IS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1 Enterprise Code				2 Product Code				3 Installation type				4 Gear Unit Size			
J- JIE Drive				RTR- Helical Geared Motor				No Code- Foot-mounted F- Flange-mounted F- Foot and Flange-mounted X- Single-stage Feet-mounted XF- Single-stage Flange-mou- -nted				69- Gearmotor Size 69			
5 Flange Size				6 Electric Motor				7 Frame Size				8 Stator Length			
I - No Code-No Flange or Only One Flange or The Sm -allest Flange II - Second Bigger Flange III - Biggest Flange				D- Three Phase Asynchronous Motor(IP 54) DU/DN- Energy efficiency rating class 2/class 3 YB-Frame-proof Three Phase Asynchronous Motor YGP- Table Roller Three Phase Asynchronous Motor YZP- Metallurgy Hoist Frequency Variable Motor YD- Multi Speed Three Phase Motor				80- Motor Center Height 80mm				S , M , L			
9 Number of Poles				10 Brake				11 Brake Release				12 Thermal Protection			
4- 4 Poles				No Code-No Brakes BE - Brakes				No Code-No brake release HF- Screw release(lock in the brake release position) Brake release HR-Handle release(automatic braking position)				No Code-No Thermistor TF- Thermistor Sensor TF- Thermistor protection (PTC thermistor) TH- Thermostat protection (Bimetal switch)			
13 Ratio				14 Mounting Position				15 Terminal Box Position				16 16 Inch Symbol			
128.97- Ratio 128.97				M1- Mounting Position M1				No Code- Terminal Box Position is 0° 180° - Terminal Box Position is 180°				IS-Inch size			

2. JRTF Parallel Shaft Helical Gearmotor Model Description

J	RTF	A	69	G	DN	80	M	4	BE	HF	TF	109.04	M1	180°	IS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1 Enterprise Code J- JIE Drive					2 Product Code RTF-Parallel Shaft Helical Geared Motor					3 Unit Model No Code- Foot-mounted F- Flange-mounted A- Hollow Shaft-mounted AF- Flange-mounted with Hollow Shaft			4 Gear Unit Size 69- Gearmotor Size 69		
5 Torque Arm No Code- No Torque Arm G- Torque Arm					6 Electric Motor D- Three Phase Asynchronous Motor(IP 54) DU/DN- Energy efficiency rating class 2/class 3 YB- Flame-proof Three Phase Asynchronous Motor YGP- Table Roller Three Phase Asynchronous Motor YZP- Metallurgy Hoist Frequency Variable Motor YD- Multi Speed Three Phase Motor					7 Frame Size 80- Motor Center Height 80mm			8 Stator Length S 、 M 、 L		
9 Number of Poles 4- 4Poles					10 Brake No Code-No Brakes BE-Brakes					11 Brake Release No Code-No brake release HF- Screw release(lock in the brake release position) Brake release HR-Handle release(automatic braking position)			12 Thermal Protection No Code-No Thermistor TF- Thermistor Sensor TF- Thermistor protection (PTC thermistor) TH- Thermostat protection (Bimetal switch)		
13 Ratio 109.04- Ratio 109.04					14 Mounting Position M1-Mounting Position M1					15 Terminal Box Position No Code-Terminal Box Position is 0° 180° - Terminal Box Position is 180°			16 16 Inch Symbol IS-Inch size		



3. JRTK Helical Bevel Gearmotor Model Description

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
J	RTK	A	69	T	DN	80	M	4	BE	HF	TF	108.03	B	M1	180°	IS
1 Enterprise Code J-JIE Drive	2 Product Code RTK-Helical-Bevel Geared Motor	3 Unit Model No Code-Foot-mounted F-Flange-mounted A- Hollow Shaft-mounted AF- Flange-mounted with Hollow Shaft	4 Gear Unit Size 69- Gearmotor Size 69	5 Torque Arm No Code-No Torque Arm T-Torque Arm	6 Electric Motor D- Three Phase Asynchronous Motor(IEC) OUTD- Energy efficiency rating class 3 YB- Flange-mount Three Phase Asynchronous Motor YGP- Tube Holder Three Phase Asynchronous Motor YDP- Metal-burg Non Frequency Variable Motor V)- Multi Speed Three Phase Motor	7 Frame Size 80-Motor Center Height 80mm	8 Stator Length S, M, L	9 Number of Poles 4-4P	10 Brake No Code-No Brakes BE - Brakes	11 Brake Release No Code-No brake release HF- Screw release(lock in the brake release position) Brake release HR-Handle release(automatic braking position)	12 Thermal Protection No Code-No Thermistor TF- Thermistor Sensor TF- Thermistor protection (PTC thermistor) TH- Thermostat protection (Bimetal switch)	13 Ratio 108.03- Ratio 108.03	14 Position of the Output Shaft A- Shaft with A B- Shaft with B AB- Shaft with A+B	15 Mounting Position M1- Mounting Position M1	16 Terminal Box Position No Code- Terminal Box Position is 0° 180° - Terminal Box Position is 180°	17 16 Inch Symbol IS-Inch size

4. JRTS Helical Worm Gearmotor Model Description

J	RTS	A	69	T	DN	80	M	4	BE	HF	TF	106.75	d45	B	M1	180°	IS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

1 Enterprise Code J- JIE Drive	2 Product Code RTS-Helical-Worm Geared Motor	3 Unit Model No Code- Foot-mounted F- Flange-mounted A- Hollow Shaft-mounted AF- Flange-mounted with Hollow Shaft	4 Gear Unit Size 69- Gearmotor Size 69	5 Torque Arm No Code- No Torque Arm T- Torque Arm
6 Electric Motor ID- Three Phase Asynchronous Motor(IP 54) DULON- Energy efficiency rating class 3(class 3) YB- Flame-proof Three Phase Asynchronous Motor YGP- Table Holder Three Phase Asynchronous Motor YZP- Motorizing Model Frequency Variable Motor YD- Multi-Speed Three Phase Motor	7 Frame Size 80- Motor Center Height 80mm	8 Stator Length S , M , L	9 Number of Poles 4- 4P	10 Brake No Code- No Brakes BE - Brakes
11 Brake Release No Code- No brake release HF- Screw release(lock in the brake release position) Brake release HR-Handle release(automatic braking position)	12 Thermal Protection No Code- No Thermistor TF- Thermistor Sensor TF- Thermistor protection (PTC thermistor) TH- Thermostat protection (Bimetal switch)	13 Ratio 106.03-Ratio 106.03	14 Hollow shaft diameter d45- Hollow shaft diameter is 45	15 Position of the Output Shaft A- Shaft with A B- Shaft with B AB- Shaft with A+B
16 Mounting Position M1- Mounting Position M1	17 Terminal Box Position No Code- Terminal Box Position is 0° 180° -Terminal Box Position is 180°	18 16 Inch Symbol IS-inch size		



5. Three-phase Asynchronous Motors & Energy Efficiency Motor Type Control Table

power (hp)	Energy Efficiency Motor			power (hp)	Energy Efficiency Motor			power (hp)	Energy Efficiency Motor		
	IE4	IE3	IE2		IE4	IE3	IE2		IE4	IE3	IE2
0.16	—	—	—	2	JDU90S2	JDN90S2		40	JDU200L4	JDN200L4	
	JDU63S4	JDN63S4	JDS63S4		JDU90L4	JDN90L4	JDE90L4		JDU225S4	JDN225S4	
	—	—	—		JDU100L6	JDN100L6			JDU225M4	JDN225M4	
0.25	JDU63S2	JDN63S2		3	JDU90L2	JDN90L2	JDE100M4				
	JDU63M4	JDN63M4	JDS63M4		JDU100S4	JDN100S4					
	JDU71S6	JDN71S6			JDU112M6	JDN112M6					
0.33	JDU63M2	JDN63M2		4	JDU100L2	JDN100L2					
	JDU71S4	JDN71S4	JDS63L4		JDU100L4	JDN100L4	JDE112M4				
	JDU71M6	JDN71M6			JDU132S6	JDN132S6					
0.50	JDU71S2	JDN71S2		5	JDU112M2	JDN112M2					
	JDU71M4	JDN71M4	JDS71S4		JDU112M4	JDN112M4	JDE132S4				
	JDU80M6	JDN80M6			JDU132M6	JDN132M6					
0.75	JDU71M2	JDN71M2		7.5	JDU132S2	JDN132S2					
	JDU80S4	JDN80S4	JDS71M4		JDU132S4	JDN132S4	JDE132M4				
	JDU90S6	JDN90S6			JDU132M6	JDN132M6					
1	JDU80S2	JDN80S2		10	JDU132M2	JDN132M2					
	JDU80M4	JDN80M4	JDE80M4		JDU132M4	JDN132M4	JDE160S4				
	JDU90M6	JDN90M6			JDU160M6	JDN160M6					
1.5	JDU80M2	JDN80M2		12.3	JDU132L4	JDN132L4	JDE160M4				
	JDU90S4	JDN90S4	JDE90M4		JDU160M4	JDN160M4	JDE160L4				
	JDU90L6	JDN90L6			JDU160L4	JDN160L4	JDE180S4				
				25	JDU180M4	JDN180M4	JDE180M4				
					JDU180L4	JDN180L4	JDE180L4				
					JDU180L4	JDN180L4	JDE180L4				

6. Type of gear motor and gear motor with brake

JRTR/F/K/S
gear motor

There are the types of helical(R), parallel shaft helical(F), helical-bevel(K) and helical-worm(S) geared motors. We supplied in the table.

Model	(JRTR) Helical	(JRTF) Parallel shaft	(JRTK) helical bevel	(JRTS) helical worm
Foot mounted	*	*	*	*
B5 flange mounted	*	*	*	*
Foot/B5 flange mounted	* 2)	*	* 3)	—
Hollow shaft mounted	—	*	* 1)	* 1)
Hollow shaft with shrink disk	—	*	* 1)	* 1)
Splined hollow shaft mounted	—	*	* 1)	—
Hollow shaft with shrink disk+foot mounted	—	*	*	—
Hollow shaft with key+foot mounted	—	*	*	—
Splined hollow shaft mounted+foot mounted	—	*	*	—
Hollow shaft with key+B5 flange mounted (AF)	—	*	*	*
Hollow shaft with shrink disk+B5 flange mounted (HF)	—	*	*	*
Splined hollow shaft mounted+B5 flange mounted (VF)	—	*	*	—
Hollow shaft with key+B14 flange mounted (AZ)	—	*	*	*
Hollow shaft with shrink disk+B14 flange mounted (HZ)	—	*	*	*
Splined hollow shaft mounted+B14 flange mounted (VZ)	—	*	*	—

* Standard

— Not applicable

1) The torque arm can be used

2) Only available for JRTR19-R89

3) Only available for JRTK129-K159

Multi-stage gear motor

You can achieve the particularly low output speed by using multi-stage gear motor. The method is mounting a helical gear motor as a second gear motor on the input end. Notice that restrict the motor power according the maximum permitted output torque.

Brake motors

On request, the motor can be supplied with an integrated mechanical brake.

The JIE brake is an electromagnetic disk brake with a DC coil which is released electrically and braked using spring force. The design principle means the brake is applied if the power fails. This means it complies with fundamental safety requirements. The JIE brake can also be released mechanically if fitted with manual brake release. For this purpose, either a hand lever or a setscrew is supplied with the brake. The hand lever springs back automatically and the setscrew can be locked. The brake is activated by a brake control system which is in the wiring switch cabinet.



7. Unit designations for gear motor and options



JRTR Helical gear motor

- JRTR.. Foot-mounted
- JRTRF.. Flange-mounted
- JRTR..F Foot and flange-mounted
- JRTRX.. Single-stage foot-mounted
- JRTRXF.. Single-stage flange-mounted



JRTF Parallel shaft helical gear motor

- JRTF.. Foot mounted
- JRTFA..B Foot mounted with hollow shaft
- JRTFH..B Foot mounted with hollow shaft and shrink disc
- JRTFV..B Foot mounted with hollow shaft and splined hollow shaft
- JRTFF.. B5 flange mounted
- JRTFAF.. B5 flange mounted with hollow shaft
- JRTFHF.. B5 flange mounted with hollow shaft and shrink disc
- JRTFVF.. B5 flange mounted with splined hollow shaft disc
- JRTFAZ.. B14 flange mounted with hollow shaft
- JRTFHZ.. B14 flange mounted with hollow shrink disc
- JRTFVZ.. B14 flange mounted with Splined hollow shaft
- JRTFA..G Torque mounted with hollow shaft
- JRTFH..G Torque mounted with hollow shrink disc

JRTK Helical-bevel gear motor

JRTK..	Foot mounted	
JRTKA..B	Foot mounted with hollow shaft	
JRTKH..B	Foot mounted with hollow shaft and shrink disc	
JRTKV..B	Foot mounted with hollow shaft and splined hollow shaft	
JRTKF..	B5 flange mounted	
JRTKAF..	B5 flange mounted with hollow shaft	
JRTKHF..	B5 flange mounted with hollow shaft and shrink disc	
JRTKVF..	B5 flange mounted with splined hollow shaft disc	
JRTKA..	Hollow shaft mounted	
JRTKH..	Hollow shaft with shrink disc	
JRTKV..	Splined hollow shaft mounted	
JRTKAZ..	B14 flange mounted with hollow shaft	
JRTKHZ..	B14 flange mounted with hollow shrink disc	
JRTKVZ..	B14 flange mounted with Splined hollow shaft disc	
JRTKA..T	Torque mounted with hollow shaft	
JRTKH..T	Torque mounted with hollow shrink disc	

JRTS Helical-worm gear motor

JRTS..	Foot-mounted
JRTSF..	B5 flange-mounted
JRTSAF..	B5 flange-mounted and hollow shaft
JRTSHF..	B5 flange-mounted and hollow shaft with shrink disc
JRTSA..	Hollow shaft
JRTSH..	Hollow shaft with shrink disc
JRTSAZ..	B14 flange-mounted and hollow shaft
JRTSHZ..	B14 flange-mounted and hollow shaft with shrink disc
JRTSA..T	Torque mounted with hollow shaft
JRTSH..T	Torque mounted with hollow shrink disc

8. The name of AC motors and its accessory



Motor options

BE	Brake
HF	with lockable manual brake release
HR	with automatic manual brake disengaging
RS	Backstop
TF	Thermistor sensor (PTC resistance)
TH	Thermostat (bimetallic switch)
U	Non-ventilated
V	Forced cooling fan
Z	Additional flywheel mass
C	Rain cover
STH	Electric Heating
2WE	Rear shaft of the motor
RI	Reinforced insulation
DH	Condensation drain holes
YB	Flame-Proof with three-phase asynchronous motor
YGP	Roller with three-phase asynchronous motor
YZP	Metallurgy overweight with three-phase asynchronous motor
JD...V	three phase asynchronous motor asynchronous motor with frequency.
YD	Pole-Changing three-phase asynchronous motor

Encoder on AC motor options

AV1Y	Absolute encoder with solid shaft .MSI and Sin/cos signals and 24V _{DC} supply Encoder . TTL(RS-422) signals and 5V _{DC} supply
E	Encoder . signals and 24V _{DC} supply Encoder . TTL(RS-422) signals and 24V _{DC} supply Encoder . HTL

V . Selection Description

1. JRT Gearmotor data

Underneath data is essential to specify the right gearmotors

Drive selection data			
n_{amin}	Minimum output speed	[r/min]	
n_{amax}	Maximum output speed	[r/min]	
P_a at n_{amin}	Output power at minimum output speed	[kW]	
P_a at n_{amax}	Output power at maximum output speed	[kW]	
M_a at n_{amin}	Output torque at minimum output speed	[Nm]	
M_a at n_{amax}	Output torque at maximum output speed	[Nm]	
F_R	Overhung load on output shaft. Assumed force application is in the center of shaft end. If not, please specify the exact application point indicating the application angle and direction of rotation of the shaft for a check calculation.	[N]	
F_A	Axial load (tension and compression) on output shaft	[N]	
J_{load}	Mass moment of inertia to be driven	[10 ⁻⁴ kg·m ²]	
JRTR/F/K/S M1-M6	Required gear motor type and mounting position	-	
IP..	Required protection against dust and water	-	
ϑ_{env}	Ambient temperature	[°C]	
H	Altitude	[m above sea level]	
S... ..%Cdf	Operating mode and intermittency factor cdf; alternatively, exact load cycle can be specified	-	
Z	Starting frequency; alternatively, exact load cycle can be specified	[per h]	
f_{mains}	Supply frequency	[Hz]	
V_{mot} V_{brake}	Operating voltage of motor and brake	[V]	
M_B	Required braking torque	[Nm]	



2. Project planning sequence

The following flowchart displays a schematic view of the procedure for planning a project incorporating a positioning drive. The drive comprises a geared motor which is powered by an inverter.

Example

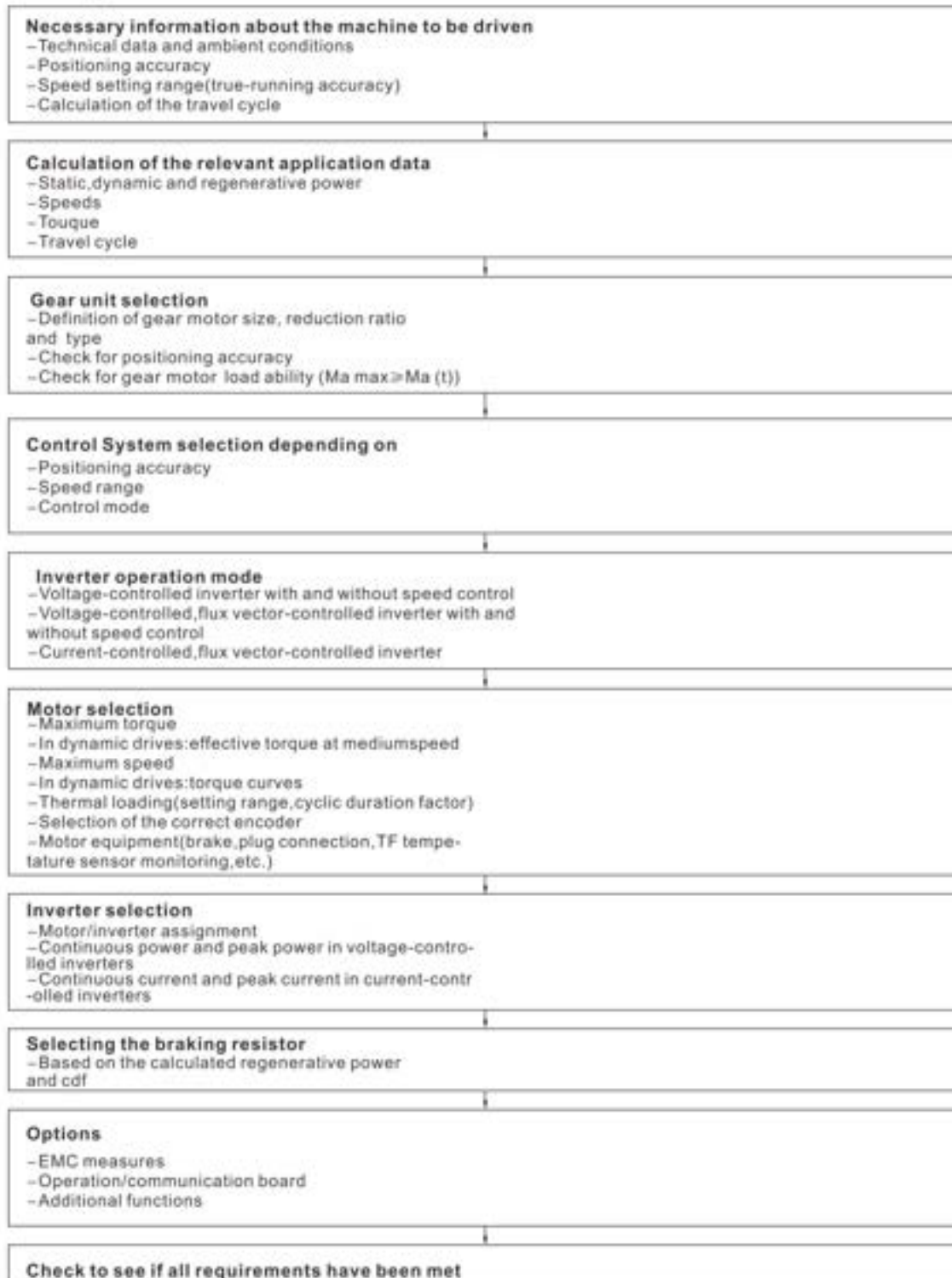


Figure: Project planning process

3. Efficiency of JIE gearmotor

JRT gear motor

The efficiency of the gear motor is mainly determined by the gearing, mesh and bearing friction. Please note that the starting efficiency of a gear motor is always less than its efficiency at operating speed. This fact is especially obvious in helical-worm right-angle geared motors.

JRTR, JRTE, JRTE gear motor

The efficiency of helical, parallel shaft and helical-bevel gear motor varies according to the number of gear stages, between 94% (3-stage) and 98% (1-stage).

JRTS gear motor

The gearing in helical-worm and gear motor produces a high proportion of sliding friction. As a result, these gear motor may have higher gearing losses than R, F or K gear motor, and thus be less efficient. The cause of factors are:

- Gear ratio of the helical-worm
- Input speed
- Gear motor temperature

JIE gear motor are designed as helical worm which makes them significantly more efficient than standard worm gear motor. The efficiency may reach $\eta < 0.5$ if the helical-worm stage has a very high ratio step.

Running-in phase

The tooth flanks of new helical-worm and gear motor are not yet completely smooth. For the friction angle is greater, the efficiency will be less than later operation. This effect becomes more apparent in the greater ratio.

In the first beginning, the given efficiency number should minus a number as follows:

	Helical-worm	i range
1start	approx. 12%	approx. 50-280
2start	approx. 6%	approx. 20-75
3start	approx. 3%	approx. 20-90
4start	-	-
5start	approx. 3%	approx. 6-25
6start	approx. 2%	approx. 7-25

The running-in phase normally lasts 24 hours. Helical-worm gear motor achieve their listed rated efficiency values when:

- has been run in completely
- has reached normal operation temperature
- the recommended lubricant has been filled in working within the rated load range

Churning losses

In certain gear motor mounting positions the first reduction stage is completely immersed in the lubricant. For larger gear motor sizes and high circumferential velocities of the input stage, this gives rise to churning losses constituting a factor which cannot be ignored. Please contact JIE if you wish to use gear motor of this type.

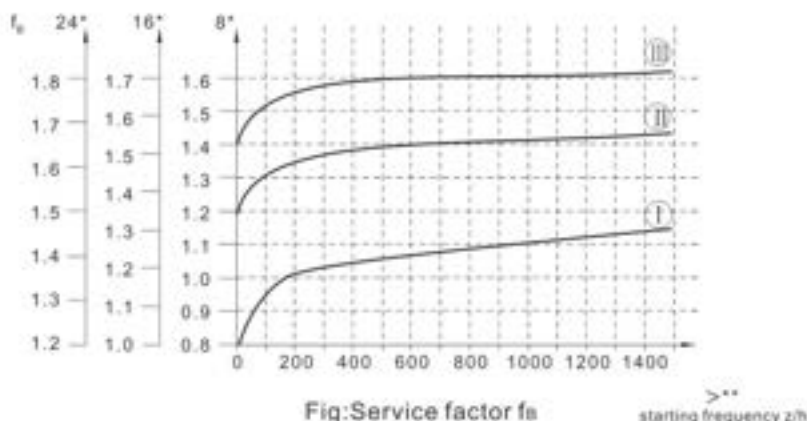
If possible, use the mounting position M1 for R, K and S gear motor in order to keep the churning losses in low.



4. Service factor

Determining of the service factor

Gear motor selection needs to consider a certain factor which is called the service factor f_s . The service factor is determined by the daily operating time and the starting frequency. Three load classifications are also considered which depend on the mass acceleration factor. You can read the different service factor from the figure as follows. The service factor determined using this diagram must be smaller than or equal to the JIE service factor as given in the selection tables.



- * Daily operating time in hours/day
- ** Starting frequency Z : The cycles include all starting and braking procedures as well as changes from low to high and high to low speed.

Load classification

Three load classifications are differentiated:

Uniform, with mass acceleration factor ≤ 0.2

Moderate shock load, with mass acceleration factor ≤ 3

Severe shock load, with mass acceleration factor ≤ 10

Mass acceleration factor

The mass acceleration factor is calculated as follows:

$$\text{Mass acceleration factor} = \frac{\text{All external mass moments of inertia}}{\text{Inertia of the motor}}$$

"All external mass moments of inertia" are the mass moments of inertia of the driven machine and the gear motor, scaled down to the motor speed. The calculation for scaling down to the motor speed performed using the following formula: $J_x = J \cdot \left(\frac{n}{n_m}\right)^2$

J_x = Reduced mass moment of inertia on the motor shaft

J = Mass moment of inertia referenced to the output speed of the gear motor

n = Output speed of the gear motor

n_m = Motor speed

*Mass moment of inertia on the motor if it equips the brake and the flywheel fan (Z fan), the components' mass moment of inertia should be increased at the same time.

Service factors $f_s > 1.8$ may occur with large mass acceleration factors (> 10), high levels of play in the transmission elements or large overhung loads. Please contact JIE in this case.

JIE service factor: JIE f_s

The method for determining the maximum approved continuous torque M_{max} and then deriving the service factor $f_b = M_{max}/M_a$ is not defined in a standard and varies greatly from manufacturer to manufacturer. With their JIE service factor $f_b = 1$, JIE drives afford an extremely high level of safety and reliability in the fatigue strength range (exception: wearing of the worm wheel in helical-worm gear units). Under a certain circumstances, the JIE service factor may not be comparable to the information given details for your specific drive. If there are any questions, please contact JIE to get the special drive equipments' document in detail.

Example

Mass acceleration factor 2.5 (load classification II), 14 hours/day operating time (check the figure at 16h/d) and 300 cycles/hour produce a service factor $f_b = 1.51$ as shown in Fig. 2. According to the selection table, the selected geared motor must have an JIE f_b value of 1.51 or greater.

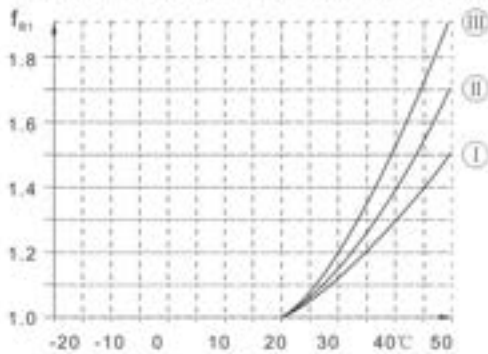
Helical-worm gear motor

Two further service factors have to be taken into account with helical-worm gear motors in addition to the service factor f_b shown in Fig. 2. These are:

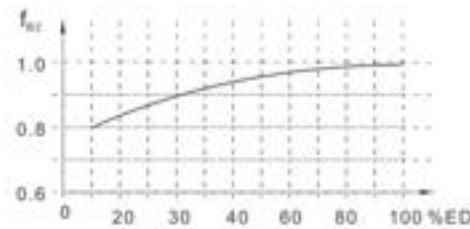
f_{b1} = Service factor for the ambient temperature

f_{b2} = Service factor for the cyclic duration factor

Additional service factors f_{b1} and f_{b2} can be determined by diagrams in Fig. 4. For the f_{b1} factor, we can define it just in the same way as f_b .



Additional service factors f_{b1} and f_{b2}



$$cdf(\%) = \frac{\text{Time under load in min/h}}{60} \cdot 100$$

Please contact JIE in case of temperatures below -20°C ($\rightarrow f_{b1}$).

The total service factor for helical-worm gear units is calculated as follows:

$$F_{b_{tot}} = f_b \cdot f_{b1} \cdot f_{b2}$$

Example

If the geared motor with the service factor $f_b = 1.51$ in the previous example is a helical-worm gear motor.

Ambient temperature $t_a = 40^\circ\text{C} \rightarrow f_{b1} = 1.38$ (read off at load classification II)

Time under load $= 40 \text{ min/h} \rightarrow cdf = 66.7\% \rightarrow f_{b2} = 0.95$ The total service factor is

$$F_{b_{tot}} = 1.51 \cdot 1.38 \cdot 0.95 = 1.98$$

According to the selection tables, the selected helical-worm geared motor must have a JIE f_b value of 1.98 or greater.



5. Overhung and axial loads

Determining overhung load

When determining the overhung load, the type of transmission element mounted on the shaft end must be considered. The transmission element factors f_z are listed as follows.

Transmission element	Transmission element factor f_z	Comments
Gears	1.15	>17teeth
Chain sprockets	1.40	>13teeth
Chain sprockets	1.25	>20teeth
Narrow V-belt pulleys	1.75	Pre-tensioning influence
Flat belt pulleys	2.50	Pre-tensioning influence
Toothed belt pulleys	2.5	Pre-tensioning influence

The overhung load exerted on the motor or gear shaft is then calculated as follows:

$$F_R = \frac{M_d \cdot 2000}{d_o} \cdot f_z$$

F_R Overhung load in N d_o Pitch diameter
 M_d Torque in Nm f_z Transmission element factor

Permitted overhung load

According defined service life L_{H10} of the bearings the permitted overhung loads.

For the special operating conditions, the permitted overhung loads can be determined by the modified service life L_{H10} .

The permitted overhung loads F_{Ra} for the output shafts of foot-mounted gear units with a solid shaft are listed in the selection tables for geared motors. Please contact JIE in case of other types.

The data refer to the radial force applied in the middle on the shaft end (with right-angle gear units on the A-side output). Worst case conditions have been assumed for the force application angle α and the direction of rotation.

- Only 50% of the F_{Ra} value specified in the selection tables is permitted in mounting position M1 with wall attachment on the front face for K and S gear units.
- Helical-bevel geared motors K169 and K189 in mounting positions M1 to M4: If the mounting position is different from the position we offered (M1-M4), the overhung load F_{Ra} listed in the selection tables.
- Foot and flange-mounted helical geared motors (R..F): A maximum of 50% of the overhung load F_{Ra} specified in the selection tables in the case of torque transmission via the flange mounting. When the torque transmission via the flange mounting the overhung load F_{Ra} will only be 50% compared with the F_{Ra} listed in the selection tables.

Higher approved overhung loads

It is possible to achieve a higher overhung load by exactly considering the force application angle α and the direction of rotation. In addition, higher output shaft loads are permitted if heavy duty bearings are installed, especially with R, F and K gear units. Please contact JIE in this case.

Definition of force application

Force application is defined according to the following diagram:

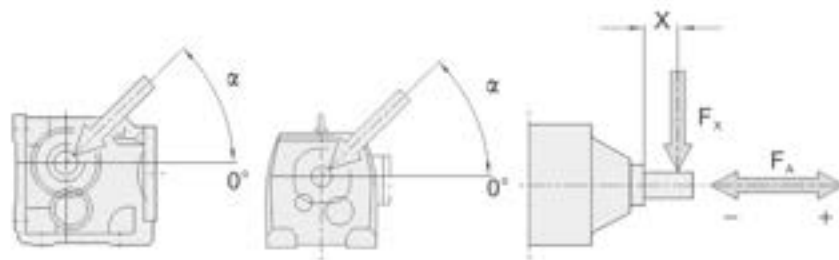


Fig: Definition of force application

 F_x = Approved overhung load at point X [N] F_A = Approved axial load [N]

Approved axial loads

If there is no overhung load, then an axial load F_A (tension or compression) of 50% of the overhung load given in the selection tables is approved. This applies to the following geared motors:

- Helical geared motors except for R...139...to R...169...
- Parallel shaft and helical-bevel geared motors with solid shaft except for F99...
- Helical-worm geared motors with solid shaft

Please contact JIE for all other types of gear units and in the event of significantly greater axial loads or combinations of overhung load and axial load.

Overhung load conversion for off-center force application

The approved overhung loads given in the selection tables must be calculated using the following formulae in the event of force application not in the center of the shaft end. The smaller of the two values F_{xL} (according to bearing service life) and F_{xW} (according to shaft strength) is the approved value for the overhung load at point x. Note that the calculations apply to $M_{a\max}$.

$$F_{xL} \text{ acc.to bearing service life } F_{xL} = F_{x0} \cdot \frac{a}{b+x} \text{ [N]}$$

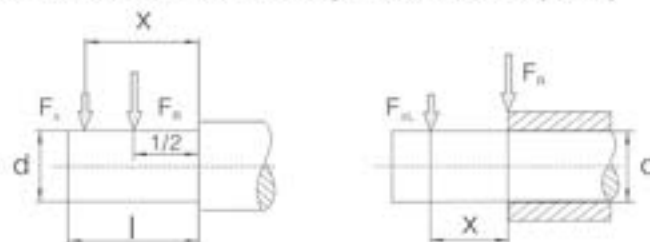
$$F_{xW} \text{ from the shaft strength } F_{xW} = \frac{c}{f+x} \text{ [N]}$$

F_{x0} = Approved overhung load ($x=1/2$) for foot-mounted gear units according to the selection tables in [N]

X = Distance from the shaft shoulder to the force application point in [mm]

a, b, f = Gear unit constants for overhung load conversion [mm]

c = Gear unit constant for overhung load conversion [Nmm]

Fig: Overhung load F_x for off-center force application

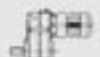
Gear unit constants for overhung load conversion

Gear unit type	a [mm]	b [mm]	c [Nmm]	f [mm]	d [mm]	l [mm]
JRTR19	88.5	68.5	6.527×10^4	17	20	40
JRTR29	106.5	81.5	1.56×10^5	11.8	25	50
JRTR39	118	93	1.24×10^5	0	25	50
JRTR49	137	107	2.44×10^5	15	20	60
JRTR59	147.5	112.5	3.77×10^5	18	35	70
JRTR69	168.5	133.5	2.51×10^5	0	35	70
JRTR79	173.7	133.7	3.97×10^5	0	40	80
JRTR89	216.7	166.7	8.47×10^5	0	50	100
JRTR99	255.5	195.5	1.19×10^6	0	60	120
JRTR109	285.5	215.5	2.06×10^6	0	70	140
JRTR139	343.5	258.5	6.14×10^6	30	90	170
JRTR149	402	297	8.65×10^6	33	110	210
JRTR169	450	345	1.26×10^7	0	120	210
JRTRX59	43.5	23.5	1.51×10^5	34.2	20	40
JRTRX69	52.5	27.5	2.42×10^5	39.7	25	50
JRTRX79	60.5	30.5	1.95×10^5	0	30	60
JRTRX89	73.5	33.5	7.69×10^5	48.9	40	80
JRTRX99	86.5	36.5	1.43×10^6	53.9	50	100
JRTRX109	102.5	42.5	2.47×10^6	62.3	60	120
JRTF39	123.5	98.5	1.07×10^5	0	25	50
JRTF49	153.5	123.5	1.78×10^5	0	30	60
JRTF59	170.7	135.7	5.49×10^5	32	35	70
JRTF69	181.3	141.3	4.12×10^5	0	40	80
JRTF79	215.8	165.8	7.87×10^5	0	50	100
JRTF89	263	203	1.19×10^6	0	60	120
JRTF99	350	280	2.09×10^6	0	70	140
JRTF109	373.5	288.5	4.23×10^6	0	90	170
JRTF129	442.5	337.5	9.49×10^6	0	110	210
JRTF159	512	407	1.05×10^7	0	120	210
JRTK39	123.5	98.5	1.41×10^5	0	25	50
JRTK49	153.5	123.5	1.78×10^5	0	30	60
JRTK59	169.7	134.7	6.8×10^5	31	35	70
JRTK69	181.3	141.3	4.12×10^5	0	40	80
JRTK79	215.8	165.8	7.69×10^5	0	50	100
JRTK89	252	192	1.64×10^6	0	60	120
JRTK99	319	249	2.8×10^6	0	70	140
JRTK109	373.5	288.5	5.53×10^6	0	90	170
JRTK129	443.5	338.5	8.31×10^6	0	110	210
JRTK159	509	404	1.18×10^7	0	120	210
JRTK169	621.5	496.5	1.88×10^7	0	160	250
JRTK189	720.5	560.5	3.04×10^7	0	190	320
JRTS39	118.5	98.5	6.0×10^4	0	20	40
JRTS49	130	105	1.33×10^5	0	25	50
JRTS59	150	120	2.14×10^5	0	30	60
JRTS69	184	149	3.04×10^5	0	35	70
JRTS79	224	179	5.26×10^5	0	45	90
JRTS89	281.5	221.5	1.68×10^6	0	60	120
JRTS99	326.3	256.3	2.54×10^6	0	70	140

Values for types not listed are available on request.

6. Selection Table of JIE JRT Products

Application:	
Application industry:	Equipment name:
Ambient temperature:	Ambient humidity:
Altitude:	Site of use: ☐ indoor ☐ outdoor
Start-stop frequency:	Running time:
Load time: ☐ 15% ☐ 25% ☐ 40% ☐ 60% ☐ 100%	
Current brand:	Current model:
Existing problem:	Items needing improvement:
Product information:	
Packaging:	
Packaging material: ☐ Carton ☐ Wooden case ☐ Carton + Wooden case Case mark: ☐ English	
Relevant data: ☐ Certificate of conformity ☐ Ex-factory inspection report ☐ English manual	
List of accessories: ☐ Torque arm ☐ Backstop ☐ Hollow shaft encoder ES ☐ Solid shaft encoder EV	
☐ Thermistor TF ☐ Thermal protection switch TH ☐ Platinum thermal resistance Pt100	
☐ Rain cover C ☐ Electric heating tape STH ☐ None	
Appearance:	
Paint color: JMR-01 ☐ JMG-01 ☐ JGB-01 ☐ RAL2002 ☐ RAL5015 ☐ RAL9003 ☐ RAL7045 ☐ RAL7031	
Nameplate requirement: ☐ English Anti-corrosive grade: ☐ Standard ☐ JS1 ☐ JS2 ☐ JS3 ☐ JS4	
Installation:	
Product model: JRTR ☐ JRTF ☐ JRTK ☐ JRTS ☐	
Type of installation: ☐ Foot installation ☐ Flange installation ☐ Foot flange installation	
Mount position: ☐ M1 ☐ M2 ☐ M3 ☐ M4 ☐ M5 ☐ M6 (see attached figure)	
Output module: ☐ Solid shaft ☐ Hollow shaft with single key ☐ Shrink disc ☐ Hollow shaft with spline	
Output shaft direction: ☐ A ☐ B ☐ AB Output shaft rotation: ☐ Clockwise ☐ Counterclockwise ☐ Two-direction	
Input module: ☐ Standard motor ☐ AD adaptor ☐ AM adaptor ☐ AN adaptor ☐ AQS adaptor	
☐ Without motor-with motor gear	
Terminal box angle: ☐ 0° ☐ 90° ☐ 180° ☐ 270° (see attached figure)	
Cable entry: ☐ N ☐ 1 ☐ 2 ☐ 3 (see attached figure)	
Performance:	
Transmission ratio: $i=$ Output torque: Service factor:	
Type of motor: ☐ Standard motor ☐ Frequency conversion motor ☐ Explosion-proof motor ☐ Roller motor	
☐ Lifting motor ☐ Servo motor	
Rated power: kW	Pole number: ☐ 2 ☐ 4 ☐ 6 ☐ 8
Rated voltage: ☐ 230/460V	Motor frequency: ☐ 60Hz
Insulation grade: ☐ F ☐ H	Protection grade: ☐ IP54 ☐ IP55 ☐ IP56
Working system: ☐ S1 ☐ S3-40%	Cooling mode: ☐ IC410 ☐ IC411 ☐ IC416
Energy efficiency class: ☐ IE3 ☐ IE4	
Fan voltage: ☐ DC 24V ☐ AC 230V (1~) ☐ AC 460V (3~)	
Fan frequency: ☐ 60Hz	
Brake voltage: ☐ DC 24V ☐ AC 230V ☐ AC 460V	
Release device: ☐ Handle release HR ☐ Screw release HF ☐ None Brake response: ☐ Ordinary ☐ Fast	
Angle between release device and terminal box (clockwise from the end of shaft extension):	
☐ 0° ☐ 90° ☐ 180° ☐ 270° (see attached figure)	
Product model:	




Customized information:

Packaging:

Appearance:

Installation dimension:

Performance indicators:

After-sales service:

Service information:

Pre-sales service:

 Training consulting: ☐ Type selection training ☐ Application training ☐ Use and maintenance

 Design selection: ☐ Participate in design ☐ Design verification ☐ Product selection

 Demand confirmation: ☐ Working condition confirmation ☐ Product confirmation ☐ Service confirmation

 In-sales service: ☐ On-site full inspection ☐ Process sampling ☐ Ex-factory inspection

 After-sales service: ☐ Installation and commissioning ☐ Testing and maintenance ☐ Spare parts

Business information:

Transportation:

Delivery place:

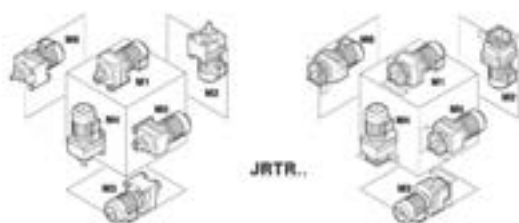
Delivery time:

Order quantity:

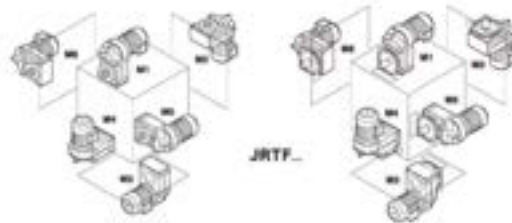
Price and payment terms:

Attached figure:

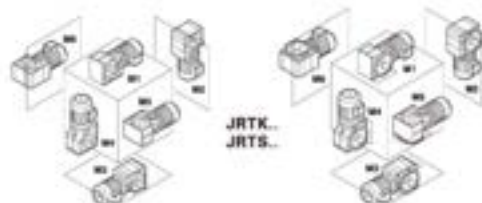
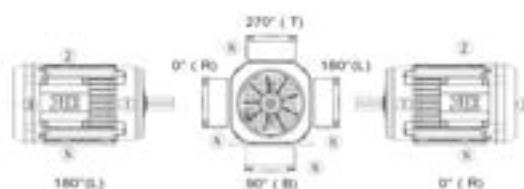
Mount position:



JRT...



JRTF...

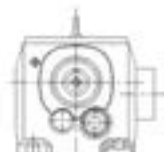
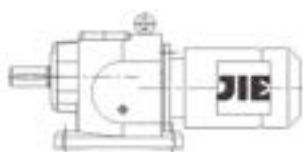

 JRTK...
JRTS...




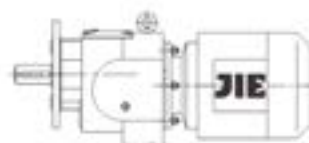
VI. JRTR Helical Inline Gearmotor

1. Versions of gearmotor

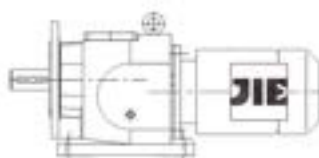
The following types of helical-bevel motor can be supplied:



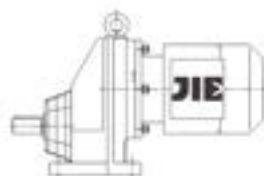
JRTR..D..
Foot-mounted



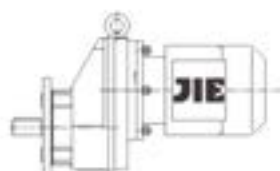
JRTRF..D..
Flange-mounted



JRTR..F D..
Foot and Flange-mounted



JRTRX..D..
Single-stage Foot-mounted



JRTRXF..D..
Single-stage Flange-mounted

2. Type of Combination

Table of possible power, ratio and gear box size and type combination.

Motor power hp Type	Stages	0.16-0.5	0.75-1	1.5-2	3-4	5	7.5	10
JRTR/RXF59	1	1.65-5.50	1.30-4.35	1.30-3.79	1.30-2.64 3.14	1.30-2.64	1.30-2.04	1.30-2.04
JRTR/RXF69	1	2.04-6.07	1.61-5.18	1.40-4.53	1.40-3.77	1.40-3.20	1.40-2.54	1.40-2.54
JRTR/RXF79	1	2.70-8.00	2.13-6.41	1.42-5.63	1.42-4.73	1.42-4.04	1.42-3.25	1.42-3.25
JRTR/RXF89	1		3.09-8.65	2.15-7.63	1.60-6.45	1.60-5.56	1.39-4.50	1.39-4.50
JRTR/RXF99	1		4.04-8.23	2.92-8.23	2.24-8.23	2.24-7.16	1.42-5.79	1.42-5.79
JRTR/RXF109	1				2.64-6.63	2.64-6.63	1.71-6.63	1.71-6.63
JRTR/RF19	2	3.83-25.23	3.83-19.71					
JRTR/RF19	3	24.07-81.64	24.07-81.64	3.37-8.16				
JRTR/RF29	2	3.37-28.37	3.37-22.32	10.13-19.35	3.37-6.59 10.13-15.63			
JRTR/RF29	3	24.47-135.09	24.47-105.49	24.47-48.17 61.30-90.96	24.47-32.47 39.25 61.30 74.11			
JRTR/RF39	2	3.41-28.32	3.41-22.27	3.41-19.31	3.41-15.60			
JRTR/RF39	3	24.42-134.82	24.42-105.28	24.42-48.08 61.18-90.77	24.42-32.40 39.17 61.18 73.96			
JRTR/RF49	2	4.85-7.76 10.15-33.79	3.83-26.74	3.83-23.28	3.83-16.22 19.27	3.83-16.22	3.83-6.00 8.01-12.54	3.83-6.00 8.01-12.54
JRTR/RF49	3	29.88-176.88	23.59-139.99	23.59-121.87	23.59-47.75 56.73 76.23-84.90 100.86	23.59-47.75		23.59-36.93
JRTR/RF59	2	6.41-9.06 11.88-26.31	5.05-26.31	4.39-26.31	4.39-21.93	4.39-18.60	4.39-7.97 9.35-14.77	4.39-7.97 9.35-14.77
JRTR/RF59	3	30.18-186.89	26.97-147.92	26.97-128.77	26.97-48.23 57.29 80.55-89.71 106.58	26.97-48.23 80.55-89.71	26.97-37.30	26.97-37.30
JRTR/RF69	2	6.27-7.79 12.70-28.13	4.93-7.79 10.00-28.13	4.29-28.13	4.29-23.44	4.29-19.89	4.29-15.79	4.29-15.79
JRTR/RF69	3	32.27-199.81	28.83-158.14	28.83-137.67	28.83-51.56 61.26-95.91 113.94	28.83-51.56 69.75-95.91	28.83-39.88 69.75-74.17	28.83-39.88 69.75-74.17
JRTR/RF79	2	8.59 15.60-23.37	6.79-8.59 12.33-23.37	5.31-23.37	5.31-23.37	5.31-23.37	5.31-18.80	5.31-18.80
JRTR/RF79	3	36.83-195.24	29.00-166.59	25.23-145.67	25.23-121.42	25.23-102.99	25.23-45.81 65.77-81.80	25.23-45.81 65.77-81.80
JRTR/RF89	2		19.10-34.40	7.13-9.14 13.33-34.40	5.30-34.40	5.30-34.40	5.30-27.84	5.30-27.84
JRTR/RF89	3		41.74-246.54	27.88-216.54	27.88-181.77	27.88-155.34	27.88-63.68 81.92-124.97	27.88-63.68 81.92-124.97
JRTR/RF99	2		22.37-32.05	9.29 16.17-32.05	7.12-9.29 12.39-32.05	7.12-9.29 12.39-32.05	4.50-32.05	4.50-32.05
JRTR/RF99	3		53.21-65.21 103.44-289.74	37.13-255.71	27.58-216.28	27.58-186.30	27.58-150.78	27.58-150.78
JRTR/RF109	2				15.65-30.77	15.65-30.77	5.82-7.86 10.13-30.77	5.82-7.86 10.13-30.77
JRTR/RF109	3					40.37-251.15	29.49-203.16	29.49-203.16
JRTR/RF139	2						7.59 12.83-29.57	7.59 12.83-29.57
JRTR/RF139	3						32.91-222.60	32.91-222.60



Motor power hp Type	Stages	12.3	15	20	25-30	40	50-60	75
JRTR/RXF79	1	1.42-2.43	1.42-2.43					
JRTR/RXF89	1	1.39-3.48	1.39-3.48	1.39-3.48	1.39-2.76			
JRTR/RXF99	1	1.42-4.52	1.42-4.52	1.42-4.52	1.42-3.64	1.42-29.2		
JRTR/RXF109	1	1.44-5.19	1.44-5.19	1.44-5.19	1.44-4.20	1.44-3.38	1.44-3.38	
JRTR/RF79	2	5.31-7.74 9.64-14.05	5.31-7.74 9.64-14.05					
JRTR/RF79	3	25.23-33.47	25.23-33.47					
JRTR/RF89	2	5.30-21.51	5.30-21.51	5.30-21.51	5.30-17.08			
JRTR/RF89	3	27.88-47.58 81.92-93.38	27.88-47.58 81.92-93.38	27.88-47.58 81.92-93.38	27.88-36.84			
JRTR/RF99	2	4.50-25.03	4.50-25.03	4.50-25.03	4.50-20.14	4.50-16.17		
JRTR/RF99	3	27.58-59.92 72.17-116.48	27.58-59.92 72.17-116.48	27.58-59.92 72.17-116.48	27.58-47.58 72.17-92.48	27.58-37.13 72.17		
JRTR/RF109	2	4.92-30.77	4.92-30.77	4.92-30.77	4.92-24.90	4.92-20.07	4.92-20.07	
JRTR/RF109	3	29.49-158.68	29.49-158.68	29.49-158.68	29.49-65.60 78.57-127.68	29.49-52.68 78.57-102.53	29.49-52.68 78.57-102.53	
JRTR/RF139	2	6.38-7.59 10.79-29.57	6.38-7.59 10.79-29.57	6.38-7.59 10.79-29.57	5.15-29.57	5.15-24.12	5.15-24.12	5.15-19.04
JRTR/RF139	3	27.83-174.40	27.83-174.40	27.83-174.40	27.83-141.12	27.83-65.20 88.70-113.72	27.83-65.20 88.70-113.72	27.83-50.86 88.70
JRTR/RF149	2	7.25 11.99-20.44	7.25 11.99-20.44	7.25 11.99-20.44	5.89-7.25 9.74-20.44	5.00-20.44	5.00-20.44	5.00-20.44
JRTR/RF149	3	29.95-163.31	29.95-163.31	29.95-163.31	24.19-146.91	24.19-119.86	24.19-119.86	24.19-52.87 72.09-94.60
JRTR/RF169	2		14.48-46.00	14.48-46.00	11.99-37.74	10.24-30.71	10.24-30.71	10.24-24.57
JRTR/RF169	3		34.41-229.71	34.41-229.71	27.96-186.93	23.71-153.07	23.71-153.07	23.71-58.65 82.91-121.81

Motor power HP Type	Stages	100-125	150-200	250-300				
JRTR/RF149	2	5.00-20.44						
JRTR/RF149	3	24.19-52.87 72.09-94.60						
JRTR/RF169	2	10.24-24.57	10.24-19.03	10.24-14.48				
JRTR/RF169	3	23.71-58.65 82.91-121.81	23.71-44.87 82.91-93.19	23.71-34.41				



3. Ratio and max nominal torque

 JRTRX59-109 $n_g=1700$ r/min

JRTRX59 610lbf · in				
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
5.50	309	345	650	AD ₂
5.07	335	315	635	
4.35	391	600	550	
3.79	449	610	515	
3.55	479	610	500	
3.14	541	575	480	
2.91	584	590	405	
2.64	644	610	325	AD ₃
2.37	717	610	260	
2.04	833	610	166	
1.92	885	610	126	
1.65	1030	610	27	
1.48	1150	600	-	
1.30	1310	555	-	

JRTRX69 1180lbf · in				
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
6.07	280	380	840	AD ₂
5.18	328	660	745	
4.53	375	725	700	
4.30	395	705	685	
3.77	451	765	640	
3.20	531	880	580	
2.89	588	930	545	
2.54	669	1040	340	AD ₃
2.40	708	1080	235	
2.04	833	1180	-	
1.86	914	1110	-	
1.61	1055	1000	-	
1.40	1215	920	-	

JRTRX79 1900lbf · in				
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
8.00	212	500	1330	AD ₂
7.47	228	465	1300	
6.41	265	910	1170	
5.63	302	970	1110	
5.35	318	910	1100	
4.73	359	1080	1020	
4.04	421	1260	930	
3.70	459	1350	890	AD ₃
3.25	523	1610	570	
3.08	552	1700	425	
2.70	630	1900	103	
2.43	700	1900	-	
2.13	798	1760	-	
1.88	904	1650	-	
1.67	1020	1530	-	AD ₄
1.42	1195	1370	-	

JRTRX89 3580lbf · in				
i	n_a r/min	M_{amax} lbf · in	F_{Ra} lbf	AD
8.65	197	1220	1650	AD ₂
7.63	223	1310	1570	
7.20	236	1230	1550	
6.45	264	1690	1430	AD ₃
5.56	306	1990	1320	
5.07	335	2210	1250	
4.50	378	2560	1140	AD ₄
3.78	450	2690	1040	
3.48	489	3580	440	
3.09	550	3580	270	AD ₅
2.76	616	3580	91	
2.48	685	3580	-	
2.15	791	3400	-	
1.93	881	3140	-	
1.60	1060	2780	-	
1.39	1225	2560	-	

JRTRX99 5260lbf · in				
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
8.23	207	1990	2000	AD ₂
7.16	237	2300	1870	
6.56	259	2650	1780	
5.79	294	3710	1590	AD ₃
4.91	346	3490	1500	
4.52	376	5260	1160	
4.04	421	5260	970	AD ₅
3.64	467	5260	795	
3.30	515	5260	620	
2.92	582	5260	425	
2.64	644	5260	235	
2.24	759	5260	-	
1.96	867	5040	-	
1.64	1035	4460	-	AD ₆
1.42	1195	4020	-	

JRTRX109 7340lbf · in				
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
6.63	256	4070	2010	AD ₂
5.61	303	4020	1880	
5.19	328	6140	1600	
4.65	366	6140	1510	AD ₃
4.20	405	7340	1090	
3.81	446	7340	900	
3.38	503	7340	670	AD ₅
3.07	554	7340	480	
2.64	644	7340	167	
2.30	739	7340	-	
1.95	872	6760	-	
1.71	994	6230	-	
1.44	1180	5700	-	

JRTR19-39 $n_g=1700$ r/min

JRTR19 750lbf · in				
i	n_g [r/min]	M_{amax} lbf · in	F_{Ra} lbf	
3-stage				
81.84	21	750	395	
70.39	24	750	395	
65.61	26	750	395	
57.35	30	750	395	
53.76	32	750	395	
47.44	36	750	395	
44.18	38	750	395	
38.61	44	750	395	
36.20	47	750	395	
31.94	53	750	385	
28.32	60	750	365	
24.07	71	750	340	
2-stage				
25.23	67	750	345	
23.15	73	750	330	
19.71	86	750	310	
16.99	100	750	285	
15.84	107	750	275	
13.84	123	750	260	
12.98	131	750	250	
11.45	148	715	240	
10.15	167	680	230	
8.63	197	635	220	
7.55	225	495	210	
7.04	241	485	205	
6.15	276	475	194	
5.76	295	465	190	
5.09	334	450	182	
4.51	377	420	176	
3.83	444	395	168	

JRTR29 1150lbf · in				
i	n_g [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
3-stage				
135.09	13	1150	950	
123.91	14	1150	950	
105.49	16	1150	950	AD1
90.96	19	1150	950	
84.78	20	1150	940	
74.11	23	1150	890	
69.47	24	1150	870	
61.30	28	1150	830	
55.87	30	1150	800	
48.17	35	1150	755	
44.90	38	1150	735	AD1
39.25	43	1150	695	
36.79	46	1150	680	
32.47	52	1150	645	
28.78	59	1150	615	
24.47	69	1150	575	
2-stage				
28.37	60	1150	610	
26.09	65	1150	590	
22.32	76	1150	550	
19.35	88	1150	520	
18.08	94	1150	505	
15.63	109	1150	475	
13.28	128	1150	410	
11.86	143	1140	370	
10.13	168	1070	355	AD2
9.41	181	1070	133	
8.16	208	1020	129	
7.63	223	990	137	
6.59	258	930	136	
5.60	304	870	139	
5.00	340	840	136	
4.27	398	765	153	
4.00	425	750	151	
3.37	504	695	152	

JRTR39 1760lbf · in				
i	n_g [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
3-stage				
134.82	13	1760	1110	
123.66	14	1760	1110	
105.28	16	1760	1110	
90.77	19	1760	1110	
84.61	20	1760	1110	AD1
73.96	23	1760	1110	
69.33	25	1760	1110	
61.18	28	1760	1110	
55.76	30	1760	1110	
48.08	35	1760	1080	
44.81	38	1760	1020	
39.17	43	1760	920	
36.72	46	1760	880	AD2
32.40	52	1760	790	
28.73	59	1760	705	
24.42	70	1760	605	
2-stage				
28.32	60	1760	700	
26.03	65	1630	740	
22.27	76	1760	545	
19.31	88	1760	460	
18.05	94	1760	425	
15.60	109	1760	345	
13.25	128	1680	320	
11.83	144	1610	310	AD2
10.11	168	1500	315	
9.47	180	1470	305	
7.97	213	1380	300	
6.67	255	1270	144	
5.67	300	1250	94	
5.06	336	1190	104	
4.32	394	1110	114	
4.05	420	1070	121	
3.41	499	990	138	



JRTR49-69 $n_g = 1700 \text{ r/min}$


JRTR49				2650lbf • in
i	n_a [r/min]	M_{amax} lbf • in	F_{Ra} lbf	AD
3-stage				
176.88	9.6	2650	1220	AD ₂
162.94	10	2650	1220	
139.99	12	2650	1220	
121.87	14	2650	1220	
114.17	15	2650	1220	
100.86	17	2650	1220	
93.68	18	2650	1220	
84.90	20	2650	1220	
76.23	22	2650	1220	
68.54	25	2650	1220	
64.21	26	2650	1220	
56.73	30	2650	1150	
52.69	32	2650	1110	
47.75	36	2650	1070	
42.87	40	2650	1020	
36.93	46	2650	960	
34.73	49	2650	940	
29.88	57	2650	880	
26.70	64	2650	840	
23.59	72	2650	775	
2-stage				
33.79	50	2120	970	AD ₂
31.12	55	1940	960	
26.74	64	2650	840	
23.28	73	2650	760	
21.81	78	2650	710	
19.27	88	2610	640	
17.89	95	2560	615	
16.22	105	2430	625	
14.56	117	2340	605	
12.54	136	2210	590	
11.79	144	2160	575	
10.15	167	2030	565	
9.07	187	1940	550	
8.01	212	1810	555	
7.76	219	1440	565	
6.96	244	1400	540	
6.00	283	1380	510	
5.64	301	1370	500	
4.85	351	1320	470	
4.34	392	1290	455	
3.83	444	1270	430	

JRTR59			3980lbf • in	
i	n_a [r/min]	M_{amax} lbf • in	F_{Ra} lbf	AD
3-stage				
186.89	9.1	3980	1600	AD ₂
172.17	9.9	3980	1600	
147.92	11	3980	1600	
128.77	13	3980	1600	
120.63	14	3980	1600	
106.58	16	3980	1600	
98.99	17	3980	1600	
89.71	19	3980	1600	
80.55	21	3980	1580	
69.23	25	3980	1490	
64.85	26	3980	1450	
57.29	30	3980	1370	
53.22	32	3980	1330	
48.23	35	3980	1280	
43.30	39	3980	1220	
37.30	46	3980	1140	
35.07	48	3980	1110	
30.18	56	3980	1040	
26.97	63	3980	990	
2-stage				
26.31	65	3980	980	AD ₂
24.99	68	3980	950	
21.93	78	3980	900	
18.60	91	3980	830	
16.79	101	3980	745	
14.77	115	3840	695	
13.95	122	3800	670	AD ₂
11.88	143	3580	645	
10.79	158	3450	635	
9.35	182	3270	615	
9.06	188	3310	305	
7.97	213	3140	315	
7.53	226	3090	300	
6.41	265	2960	270	
5.82	292	2830	285	
5.05	337	2690	270	
4.39	387	2470	315	

JRTR69				5300lbf • in
i	n_a [r/min]	M_{amax} lbf • in	F_{Ra} lbf	AD
3-stage				
199.81	8.5	5300	1700	AD ₂
184.07	9.2	5300	1700	
158.14	11	5300	1700	
137.67	12	5300	1700	
128.97	13	5300	1700	
113.94	15	5300	1700	
105.83	16	5300	1700	
95.91	18	5300	1700	
86.11	20	5300	1700	
74.17	23	5300	1700	
69.75	24	5300	1700	
61.26	28	5300	1700	
56.89	30	5300	1700	
51.56	33	5300	1700	
46.29	37	5300	1700	
39.88	43	5130	1750	
37.50	45	5040	1780	
32.27	53	4770	1850	
28.83	59	4600	1890	
2-stage				
28.13	60	4770	1850	AD ₂
26.72	64	4770	1850	
23.44	73	4950	1760	
19.89	85	5300	1470	AD ₂
17.95	95	5220	1380	
15.79	108	4950	1350	
14.91	114	4860	1320	
12.70	134	4600	1260	
11.54	147	4420	1230	
10.00	170	4150	1200	
8.70	195	3890	1190	
7.79	218	3360	1110	
7.36	231	3270	1100	
6.27	271	2910	1150	
5.70	298	2740	1130	
4.93	345	2560	1080	
4.29	396	2380	1040	

JRTR79-99 $n_g = 1700 \text{ r/min}$ 

JRTR79			7250lbf · in	
i	n _s [r/min]	M _{amax} lbf · in	F _{Rα} lbf	AD
3-stage				
195.24	8.7	7250	2230	AD ₁
166.59	10	7250	2230	
145.67	12	7250	2230	
138.39	12	7250	2230	
121.42	14	7250	2230	
102.99	17	7250	2230	
92.97	18	7250	2230	
81.80	21	7250	2230	
77.24	22	7250	2230	
65.77	26	7250	2230	
57.68	29	7250	2230	
52.07	33	7250	2230	
45.81	37	7250	2230	
43.26	39	7250	2230	
36.83	46	7250	2230	
33.47	51	7250	2230	
29.00	59	7250	2030	
25.23	67	6900	1950	
2-stage				
23.37	73	7250	1690	AD ₂
21.43	79	7250	1560	
18.80	90	6900	1510	
17.82	95	6900	1430	
15.60	109	6540	1390	
14.05	121	6370	1330	
12.33	138	6100	1270	
10.88	156	5830	1220	
9.64	176	5570	1190	
8.59	198	5570	705	AD ₃
7.74	220	5390	675	
6.79	250	5130	660	
5.99	284	4770	700	
5.31	320	4510	710	

JRTR89			13700lbf · in	
i	n _s [r/min]	M _{amax} lbf · in	F _{Rs} lbf	AD
3-stage				
246.54	6.9	13700	3800	AD ₁
216.54	7.9	13700	3800	
205.71	8.3	13700	3800	
181.77	9.4	13700	3800	
155.34	11	13700	3800	
142.41	12	13700	3800	
124.97	14	13700	3800	
118.43	14	13700	3800	
103.65	16	13700	3800	
93.38	18	13700	3800	
81.92	21	13700	3730	
72.57	23	13700	3380	
63.68	27	13700	3020	
60.35	28	13700	2880	
52.82	32	13700	2540	
47.58	36	13700	2280	
41.74	41	13700	1970	AD ₂
36.84	46	13700	1680	
32.66	52	13700	1420	
27.88	61	13200	1250	
2-stage				
34.40	49	13200	1690	AD ₁
31.40	54	13700	1330	
27.84	61	13700	1080	AD ₂
23.40	73	13700	740	
21.51	79	13200	740	
19.10	89	12700	720	
17.08	100	12200	685	
15.35	111	11800	665	
13.33	128	11300	630	
11.93	142	10800	615	
9.90	172	10400	500	
9.14	186	10700	-	
8.22	207	10200	-	
7.13	238	9460	-	
6.39	266	9020	-	
5.30	321	8050	149	

JRTR99		26500lbf · in		
i	n _s [r/min]	M _{amax} lbf · in	F _{Rα} lbf	AD
3-stage				
289.74	5.9	26500	4450	AD ₁
255.71	6.6	26500	4450	
241.25	7.0	26500	4450	
216.28	7.9	26500	4450	
186.30	9.1	26500	4450	
170.02	10.0	26500	4450	
150.78	11	26500	4450	
126.75	13	26500	4450	
116.48	15	26500	4450	
103.44	16	26500	4450	
92.48	18	26500	4270	
83.15	20	26500	3840	
72.17	24	26500	3300	
65.21	26	26500	2930	
59.92	28	26500	2620	
53.21	32	26500	2210	
47.58	36	26500	1840	AD ₂
42.78	40	26500	1500	
37.13	46	26500	1060	
33.25	51	25500	1030	
27.58	62	23600	1090	
2-stage				
32.05	53	22600	1800	AD ₁
27.19	63	22600	1340	
25.03	68	25000	400	AD ₂
22.37	76	24000	400	
20.14	84	23000	430	
18.24	93	22100	485	
16.17	105	21200	470	
14.62	116	20300	510	
12.39	137	19300	445	
10.83	157	18400	435	
9.29	183	17900	-	
8.39	203	17900	-	
7.12	239	17600	-	
6.21	274	16700	-	
5.20	327	15700	-	AD ₃
4.50	378	14400	-	

JRTR109-149 $n_s = 1700 \text{ r/min}$


JRTR109			38000lbf • in	
i	n_s [r/min]	M_{amax} lbf • in	$F_{R\alpha}$ lbf	AD
3-stage				
251.15	6.8	38000	6620	AD ₁
229.95	7.4	38000	6620	
203.16	8.4	38000	6620	
172.34	9.9	38000	6620	
158.68	11	38000	6620	
141.83	12	38000	6620	
127.68	13	38000	6620	
115.63	15	38000	6620	
102.53	17	38000	6620	
92.70	18	38000	6620	
78.57	22	38000	6520	AD ₂
72.88	23	38000	6320	
65.60	26	38000	6050	
59.41	29	38000	5800	
52.68	32	38000	5510	
47.63	36	38000	5280	
40.37	42	38000	4910	
35.26	48	38000	4620	
29.49	58	38000	4260	
2-stage				
30.77	55	38000	4340	AD ₃
27.58	62	38000	4130	
24.90	68	38000	3940	
22.62	75	38000	3760	
20.07	85	38000	3550	
18.21	93	38000	3390	
15.65	109	38000	3140	
13.66	124	38000	2930	
11.59	147	38000	2690	
10.13	168	38000	2500	
8.56	199	38000	2280	
7.86	216	26200	2840	
6.66	255	26200	2640	
5.82	292	26200	2480	
4.92	346	25600	2320	

JRTR139			70700lbf · in	
i	n_s [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
3-stage				
222.60	7.6	70700	12000	AD ₁
188.45	9.0	70700	12000	
174.40	9.7	70700	12000	
156.31	11	70700	12000	
141.12	12	70700	12000	
128.18	13	70700	12000	
113.72	15	70700	12000	
103.20	16	70700	12000	
88.70	19	70700	12000	
80.91	21	70700	12000	
73.49	23	70700	12000	AD ₂
65.20	26	70700	12000	
59.17	29	70700	12000	
50.86	33	70700	12000	
44.39	38	70700	12000	
37.65	45	70700	12000	AD ₃
32.91	52	70700	11800	
27.83	61	67900	11100	
2-stage				
29.57	57	68800	11400	AD ₄
24.12	70	70700	10000	
22.00	77	70700	9520	AD ₅
19.04	89	70700	8770	
16.80	101	70700	8150	
14.51	117	70700	7450	
12.83	133	70700	6890	
10.79	158	70700	6130	
8.71	195	69300	5410	
7.59	224	45200	8000	
6.38	266	45200	7340	
5.15	330	40700	7070	

JRTR149			115000lbf · in	
i	n_s [r/min]	M_{amax} lbf · in	$F_{R\alpha}$ lbf	AD
3-stage				
163.31	10	115000	14100	AD ₁
146.91	12	115000	14100	
119.86	14	115000	14100	
109.31	16	115000	14100	
94.60	18	115000	14100	
83.47	20	115000	14100	
72.09	24	115000	14100	AD ₂
66.99	25	115000	14100	
61.09	28	115000	14100	
52.87	32	115000	14100	
46.65	36	115000	14100	
40.29	42	115000	14100	AD ₃
35.64	48	115000	14100	AD ₄
29.95	57	115000	14100	
24.19	70	105200	14500	
2-stage				
20.44	83	106100	14500	AD ₅
18.04	94	92900	15100	
15.64	109	115000	14100	
13.91	122	111400	13500	
11.99	142	115000	12300	
9.74	175	115000	11000	
8.26	206	115000	10100	
7.25	234	76700	12000	
5.89	289	76700	10900	
5.00	340	76700	10100	

JRTR169 $n_g = 1700 \text{ r/min}$ 

JRTR169			159200lbf · in		
i	n_s [r/min]	M_{max} lbf · in	F_{Ra} lbf	AD	
3-stage					
229.71	7.4	159200	27000	AD ₃	
186.93	9.1	159200	27000		
153.07	11	159200	27000		
139.98	12	159200	27000		
121.81	14	159200	27000		
107.49	16	159200	27000		
93.19	18	159200	27000		
82.91	21	159200	27000		
73.70	23	159200	27000	AD ₃	
67.40	25	159200	27000		
58.65	29	159200	27000		
51.76	33	159200	27000	AD ₃	
44.87	38	159200	27000		
39.92	43	159200	27000		
34.41	49	159200	27000	AD ₃	
27.96	61	159200	25900		
23.71	72	159200	24100	AD ₃	
2-stage					
46.00	37	61900	27000		
37.74	45	79600	27000		
30.71	55	88400	27000		
24.57	69	123800	26900		
21.85	78	115000	26300		
19.03	89	141500	23100		
16.98	100	132700	22600		
14.48	117	159200	19300		
11.99	142	150400	18200		
10.24	166	150400	16900		

JRTR29/39R19, JRTR49R39 $n_g = 1700 \text{ r/min}$


JRTR29R19		1150 lbf · in			
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Rg} lbf
		R29	R19		
8612	0.20	3	3	1150	950
7425	0.23	3	3	1150	745
6921	0.25	3	3	1150	950
6050	0.28	3	3	1150	950
5217	0.33	3	3	1150	745
4661	0.36	3	3	1150	950
4073	0.42	3	3	1150	745
3516	0.48	3	3	1150	950
3160	0.54	3	3	1150	950
2763	0.62	3	3	1150	950
2414	0.70	3	3	1150	950
2110	0.81	3	3	1150	950
1862	0.91	3	3	1150	950
1625	1.0	2	3	1150	745
1434	1.2	3	3	1150	950
1254	1.4	2	3	1150	950
1822	0.93	2	3	1150	950
1580	1.1	3	3	1150	950
1464	1.2	2	3	1150	950
1270	1.3	3	3	1150	950
1100	1.5	3	2	1150	950
972	1.7	2	3	1150	950
840	2.0	2	3	1150	950
741	2.3	3	2	1150	950
654	2.6	3	2	1150	950
566	3.0	2	3	1150	950
499	3.4	3	2	1150	950
1101	1.5	2	3	1150	950
962	1.8	2	3	1150	950
848	2.0	3	2	1150	745
743	2.3	3	2	1150	745
649	2.6	2	3	1150	950
567	3.0	3	2	1150	950
509	3.3	2	3	1150	950
432	3.9	2	2	1150	950
387	4.4	3	2	1150	950
339	5.0	3	2	1150	745
296	5.7	2	2	1150	745
259	6.6	3	2	1150	950
229	7.4	2	2	1150	950
200	8.5	3	2	1150	950
177	9.6	2	2	1150	745
166	10	3	2	1150	950
150	11	2	2	1150	950
141	12	3	2	1150	950
124	14	2	2	1150	745
110	15	2	2	1150	950
94	18	3	2	1150	950
440	3.9	2	2	1150	950
381	4.5	3	2	1150	950
329	5.2	3	2	1150	950
290	5.9	2	2	1150	950
256	6.6	3	2	1150	950
227	7.5	3	2	1150	950
203	8.4	2	2	1150	950
179	9.5	3	2	1150	950
156	11	2	2	1150	950
135	13	3	2	1150	950
118	14	2	2	1150	950
104	16	3	2	1150	950
90	19	2	2	1150	950

JRTR39R19		1760 lbf · in			
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Rg} lbf
		R39	R19		
8595	0.20	3	3	1760	1110
7411	0.23	3	3	1760	1110
6907	0.25	3	3	1760	1110
6038	0.28	3	3	1760	1110
5206	0.33	3	3	1760	1110
4651	0.37	3	3	1760	1110
4065	0.42	3	3	1760	1110
3658	0.46	3	3	1760	1110
3154	0.54	3	3	1760	1110
2757	0.62	3	3	1760	1110
2409	0.71	3	3	1760	1110
2106	0.81	3	3	1760	1110
1856	0.92	3	3	1760	1110
1622	1.0	2	3	1760	1110
1431	1.2	3	3	1760	1110
1251	1.4	2	3	1760	1110
1818	0.94	3	3	1760	1110
1576	1.1	2	3	1760	1110
1359	1.3	2	3	1760	1110
1267	1.3	3	3	1760	1110
1098	1.5	3	2	1760	1110
970	1.8	2	3	1760	1110
839	2.0	2	3	1760	1110
740	2.3	3	2	1760	1110
653	2.6	3	2	1760	1110
577	2.9	2	3	1760	1110
498	3.4	3	2	1760	1110
1099	1.5	2	3	1760	1110
960	1.8	2	3	1760	1110
847	2.0	3	2	1760	1110
741	2.3	2	3	1760	1110
647	2.6	3	2	1760	1110
566	3.0	3	2	1760	1110
508	3.3	2	3	1760	1110
431	3.9	2	2	1760	1110
387	4.4	3	2	1760	1110
338	5.0	3	2	1760	1110
296	5.7	2	2	1760	1110
259	6.6	3	2	1760	1110
228	7.5	2	2	1760	1110
199	8.5	3	2	1760	1110
172	9.9	2	2	1760	1110
150	11	2	2	1760	1110
130	13	3	2	1760	1110
124	14	3	2	1760	1110
110	15	2	2	1760	1110
94	18	2	2	1760	1110
439	3.9	3	2	1760	1110
378	4.5	2	2	1760	1110
328	5.2	3	3	1760	1110
289	5.9	2	2	1760	1110
265	6.4	3	3	1760	1110
226	7.5	2	3	1760	1110
202	8.4	3	2	1760	1110
179	9.5	2	3	1760	1110
156	11	3	2	1760	1110
135	13	3	2	1760	1110
127	13	2	3	1760	1110
104	16	3	2	1760	1110
90	19	2	2	1760	1110

JRTR49R39		2650 lbf · in			
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Rg} lbf
		R49	R39		
13598	0.13	3	3	2650	1220
12472	0.14	3	3	2650	1220
10619	0.16	3	3	2650	1220
9155	0.19	3	3	2650	1220
8534	0.20	3	3	2650	1220
7460	0.23	3	3	2650	1220
6993	0.24	3	3	2650	1220
6171	0.28	3	3	2650	1220
5624	0.30	3	3	2650	1220
4849	0.35	3	3	2650	1220
4520	0.38	3	3	2650	1220
3951	0.43	3	3	2650	1220
3704	0.46	3	3	2650	1220
3268	0.52	3	3	2650	1220
2898	0.59	3	3	2650	1220
2463	0.69	3	2	2650	1220
2598	0.65	3	2	2650	1220
2383	0.71	2	3	2650	1220
2029	0.84	3	3	2650	1220
1749	0.97	2	3	2650	1220
1630	1.0	3	2	2650	1220
1425	1.2	2	3	2650	1220
1336	1.3	3	2	2650	1220
1179	1.4	3	2	2650	1220
1074	1.6	2	3	2650	1220
927	1.8	2	3	2650	1220
863	2.0	2	2	2650	1220
755	2.3	3	3	2650	1220
708	2.4	2	3	2650	1220
624	2.7	3	2	2650	1220
554	3.1	2	3	2650	1220
471	3.6	2	3	2650	1220
2856	0.60	3	2	2650	1220
2625	0.65	3	2	2650	1220
2246	0.76	2	3	2650	1220
1948	0.87	2	3	2650	1220
1821	0.93	3	2	2650	1220
1573	1.1	2	3	2650	1220
1193	1.4	2	3	2650	1220
1020	1.7	3	2	2650	1220
955	1.8	2	3	2650	1220
804	2.1	3	2	2650	1220
673	2.5	2	3	2650	1220
572	3.0	2	2	2650	1220
510	3.3	3	2	2650	1220
436	3.9	2	2	2650	1220
408	4.2	2	3	2650	1220
344	4.9	3	2	2650	1220
546	3.1	2	2	2650	1220
502	3.4	3	2	2650	1220
429	4.0	2	2	2650	1220
372	4.6	2	2	2650	1220
348	4.9	3	2	2650	1220
301	5.6	2	2	2650	1220
255	6.7	2	2	2650	1220
228	7.5	2	2	2650	1220
195	8.7	2	2	2650	1220
182	9.3	2	2	2650	1220
154	11	2	2	2650	1220
129	13	2	2	2650	1220
109	16	2	2	2650	1220
98	17	2	2	2650	1220

JRTR59/69/79R39 $n_e = 1700 \text{ r/min}$ 

JRTR59R39		3980lbf · in			
i	n_e [r/min]	Stage		M_{amax}	F_{Rx}
		R59	R39	lbf · in	lbf
14369	0.12	3	3	3980	1600
12095	0.14	3	3	3980	1600
10860	0.16	3	3	3980	1600
9445	0.18	3	3	3980	1600
8480	0.20	3	3	3980	1600
7312	0.23	3	3	3980	1600
6521	0.26	3	3	3980	1600
5585	0.30	3	3	3980	1600
4928	0.34	3	3	3980	1600
4378	0.39	3	3	3980	1600
3873	0.44	3	3	3980	1600
3344	0.51	3	3	3980	1600
2907	0.58	2	3	3980	1600
2567	0.66	3	3	3980	1600
2244	0.76	3	3	3980	1600
1967	0.86	2	3	3980	1600
2957	0.57	2	3	3980	1600
2508	0.68	3	3	3980	1600
2309	0.74	2	3	3980	1600
1991	0.85	3	3	3980	1600
1768	0.96	2	3	3980	1600
1520	1.1	3	2	3980	1600
1342	1.3	3	2	3980	1600
1164	1.5	2	3	3980	1600
1027	1.7	3	2	3980	1600
894	1.9	2	3	3980	1600
805	2.1	3	2	3980	1600
683	2.5	2	3	3980	1600
603	2.8	3	2	3980	1600
534	3.2	2	3	3980	1600
454	3.7	2	3	3980	1600
410	4.1	2	3	3980	1600
1732	0.98	3	2	3980	1600
1555	1.1	2	3	3980	1600
1399	1.2	3	2	3980	1600
1189	1.4	3	2	3980	1600
1034	1.6	2	3	3980	1600
782	2.2	3	2	3980	1600
678	2.5	2	3	3980	1600
604	2.8	3	2	3980	1600
537	3.2	2	3	3980	1600
471	3.6	2	3	3980	1600
357	4.8	2	2	3980	1600
319	5.3	3	2	3980	1600
273	6.2	2	2	3980	1600
241	7.1	3	2	3980	1600
215	7.9	2	2	3980	1600
187	9.1	3	2	3980	1600
164	10	2	2	3980	1600
142	12	2	2	3980	1600
359	4.7	3	2	3980	1600
324	5.2	2	2	3980	1600
290	5.9	3	2	3980	1600
262	6.5	2	2	3980	1600
246	6.9	3	2	3980	1600
220	7.7	3	2	3980	1600
188	9.0	2	2	3980	1600
159	11	2	2	3980	1600
146	12	3	2	3980	1600
134	13	2	2	3980	1600

JRTR69R39		5300lbf · in			
i	n_e [r/min]	Stage		M_{amax}	F_{Rx}
		R69	R39	lbf · in	lbf
15361	0.11	3	3	5300	1700
12931	0.13	3	3	5300	1700
11996	0.14	3	3	5300	1700
10097	0.17	3	3	5300	1700
9066	0.19	3	3	5300	1700
7816	0.22	3	3	5300	1700
6732	0.25	3	3	5300	1700
5970	0.28	3	3	5300	1700
5268	0.32	3	3	5300	1700
4680	0.36	3	3	5300	1700
4136	0.41	3	3	5300	1700
3566	0.48	3	3	5300	1700
3125	0.54	3	3	5300	1700
2745	0.62	3	3	5300	1700
2403	0.71	2	3	5300	1700
2682	0.63	2	3	5300	1700
2460	0.69	3	3	5300	1700
2094	0.81	3	2	5300	1700
1805	0.94	2	3	5300	1700
1629	1.0	3	2	5300	1700
1471	1.2	2	3	5300	1700
1379	1.2	3	2	5300	1700
1109	1.5	2	3	5300	1700
956	1.8	2	3	5300	1700
891	1.9	3	2	5300	1700
730	2.3	2	3	5300	1700
644	2.6	2	3	5300	1700
571	3.0	2	3	5300	1700
486	3.5	3	2	5300	1700
2136	0.80	2	3	5300	1700
1852	0.92	3	2	5300	1700
1652	1.0	3	2	5300	1700
1432	1.2	2	3	5300	1700
1259	1.4	3	2	5300	1700
1106	1.5	2	3	5300	1700
836	2.0	3	2	5300	1700
750	2.3	2	3	5300	1700
646	2.6	3	2	5300	1700
574	3.0	2	3	5300	1700
495	3.4	2	2	5300	1700
438	3.9	3	2	5300	1700
388	4.4	3	2	5300	1700
344	4.9	2	2	5300	1700
294	5.8	2	2	5300	1700
261	6.5	3	2	5300	1700
234	7.3	2	2	5300	1700
200	8.5	3	2	5300	1700
176	9.7	2	2	5300	1700
158	11	3	2	5300	1700
443	3.8	2	2	5300	1700
384	4.4	3	2	5300	1700
359	4.7	2	2	5300	1700
310	5.5	3	2	5300	1700
264	6.4	2	2	5300	1700
235	7.2	2	2	5300	1700
201	8.5	3	2	5300	1700
181	9.4	2	2	5300	1700
159	11	3	2	5300	1700

JRTR79R39		7250lbf · in			
i	n_e [r/min]	Stage		M_{amax}	F_{Rx}
		R79	R39	lbf · in	lbf
16370	0.10	3	3	7250	2230
15015	0.11	3	3	7250	2230
13885	0.12	3	3	7250	2230
12783	0.13	3	3	7250	2230
11021	0.15	3	3	7250	2230
9788	0.17	3	3	7250	2230
8714	0.20	3	3	7250	2230
7617	0.22	3	3	7250	2230
6770	0.25	3	3	7250	2230
5838	0.29	3	3	7250	2230
5184	0.33	3	3	7250	2230
4470	0.38	3	3	7250	2230
3999	0.43	3	3	7250	2230
3488	0.49	3	3	7250	2230
3053	0.56	2	3	7250	2230
2671	0.64	3	3	7250	2230
3151	0.54	2	3	7250	2230
2890	0.59	3	3	7250	2230
2460	0.69	2	3	7250	2230
2121	0.80	3	2	7250	2230
1977	0.86	2	3	7250	2230
1728	0.98	3	2	7250	2230
1620	1.0	2	3	7250	2230
1430	1.2	3	2	7250	2230
1303	1.3	2	3	7250	2230
1124	1.5	2	3	7250	2230
1047	1.6	3	2	7250	2230
915	1.9	2	3	7250	2230
858	2.0	3	2	7250	2230
757	2.2	2	3	7250	2230
671	2.5	3	2	7250	2230
571	3.0	2	3	7250	2230
2345	0.72	3	2	7250	2230
2070	0.82	2	3	7250	2230
1822	0.93	3	2	7250	2230
1580	1.1	2	3	7250	2230
1394	1.2	2	3	7250	2230
1218	1.4	3	2	7250	2230
1084	1.6	2	3	7250	2230
940	1.8	3	2	7250	2230
821	2.1	2	3	7250	2230
731	2.3	3	2	7250	2230
646	2.6	2	3	7250	2230
560	3.0	3	2	7250	2230
488	3.5	2	2	7250	2230
436	3.9	3	2	7250	2230
373	4.6	2	2	7250	2230
327	5.2	3	2	7250	2230
289	5.9	2	2	7250	2230
260	6.5	3	2	7250	2230
224	7.6	2	2	7250	2230
197	8.6	3	2	7250	2230
169	10	2	2	7250	2230
149	11	3	2	7250	2230
520	3.3	2	2	7250	2230
451	3.8	3	2	7250	2230
422	4.0	2	2	7250	2230
365	4.7	3	2	7250	2230
310	5.5	2	2	7250	2230
276	6.2	3	2	7250	2230
236	7.2	2	2	7250	2230
221	7.7	3	2	7250	2230
186	9.1	3	2	7250	2230

JRTR89/99R59, JRTR109R79 $n_e = 1700 \text{ r/min}$


JRTR89R59		13700lbf · in			
i	n_a [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf
		R89	R59		
17452	0.10	3	3	13700	3800
15310	0.11	3	3	13700	3800
13813	0.12	3	3	13700	3800
12025	0.14	3	3	13700	3800
10549	0.16	3	3	13700	3800
9244	0.18	3	3	13700	3800
8109	0.21	3	3	13700	3800
7038	0.24	3	3	13700	3800
6174	0.28	3	3	13700	3800
5449	0.31	3	3	13700	3800
4831	0.35	3	3	13700	3800
4206	0.40	3	3	13700	3800
3744	0.45	2	3	13700	3800
3233	0.53	3	3	13700	3800
2873	0.59	2	3	13700	3800
2518	0.68	3	3	13700	3800
2209	0.77	2	3	13700	3800
1961	0.87	3	3	13700	3800
994	1.7	2	3	13700	3800
881	1.9	2	3	13700	3800
4020	0.42	3	3	13700	3800
3703	0.46	3	3	13700	3800
3182	0.53	2	3	13700	3800
2770	0.61	3	3	13700	3800
2595	0.66	2	3	13700	3800
2129	0.80	3	2	13700	3800
1930	0.88	2	3	13700	3800
1733	0.98	3	2	13700	3800
1489	1.1	2	3	13700	3800
1395	1.2	2	3	13700	3800
1232	1.4	2	3	13700	3800
1145	1.5	2	3	13700	3800
1037	1.6	2	3	13700	3800
931	1.8	2	3	13700	3800
802	2.1	3	2	13700	3800
754	2.3	3	3	13700	3800
649	2.6	2	2	13700	3800
580	2.9	3	2	13700	3800
1737	0.98	3	3	13700	3800
1524	1.1	2	3	13700	3800
1303	1.3	3	2	13700	3800
1143	1.5	2	3	13700	3800
1008	1.7	3	2	13700	3800
885	1.9	2	3	13700	3800
776	2.2	3	2	13700	3800
685	2.5	2	3	13700	3800
599	2.8	2	2	13700	3800
525	3.2	3	2	13700	3800
456	3.7	2	2	13700	3800
398	4.3	3	2	13700	3800
352	4.8	2	2	13700	3800
305	5.6	3	2	13700	3800
268	6.3	2	2	13700	3800
236	7.2	3	2	13700	3800
209	8.1	3	2	13700	3800
538	3.2	2	2	13700	3800
472	3.6	3	2	13700	3800
400	4.2	2	2	13700	3800
361	4.7	3	2	13700	3800
300	5.7	2	2	13700	3800
256	6.6	2	2	13700	3800
232	7.3	3	2	13700	3800
195	8.7	2	2	13700	3800

JRTR99R59		26500lbf · in			
i	n_a [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf
		R99	R59		
21769	0.08	3	3	26500	4450
19332	0.09	3	3	26500	4450
17230	0.10	3	3	26500	4450
14999	0.11	3	3	26500	4450
13320	0.13	3	3	26500	4450
11156	0.15	3	3	26500	4450
10030	0.17	3	3	26500	4450
8706	0.20	3	3	26500	4450
7692	0.22	3	3	26500	4450
6708	0.25	3	3	26500	4450
5931	0.29	3	3	26500	4450
5161	0.33	3	3	26500	4450
4559	0.37	2	3	26500	4450
4004	0.42	3	3	26500	4450
3481	0.49	2	3	26500	4450
4678	0.36	3	3	26500	4450
4309	0.39	2	3	26500	4450
3702	0.46	3	3	26500	4450
3019	0.56	3	2	26500	4450
2668	0.64	3	2	26500	4450
2245	0.76	3	2	26500	4450
2016	0.84	2	3	26500	4450
1733	0.98	3	2	26500	4450
1623	1.0	3	2	26500	4450
1434	1.2	3	2	26500	4450
1207	1.4	2	3	26500	4450
1084	1.6	3	2	26500	4450
934	1.8	2	3	26500	4450
878	1.9	2	3	26500	4450
755	2.3	3	2	26500	4450
3065	0.55	3	2	26500	4450
2722	0.62	3	2	26500	4450
2311	0.74	2	3	26500	4450
2078	0.82	2	3	26500	4450
1823	0.93	3	2	26500	4450
1583	1.1	3	2	26500	4450
1396	1.2	2	3	26500	4450
1228	1.4	2	3	26500	4450
1089	1.6	3	2	26500	4450
938	1.8	2	3	26500	4450
824	2.1	3	2	26500	4450
737	2.3	3	2	26500	4450
632	2.7	2	2	26500	4450
560	3.0	3	2	26500	4450
484	3.5	2	2	26500	4450
431	3.9	3	2	26500	4450
379	4.5	2	2	26500	4450
336	5.1	3	2	26500	4450
296	5.7	2	2	26500	4450
249	6.8	3	2	26500	4450
234	7.3	2	2	26500	4450
209	8.1	2	2	26500	4450
625	2.7	3	2	26500	4450
549	3.1	2	2	26500	4450
466	3.6	3	2	26500	4450
420	4.0	2	2	26500	4450
370	4.6	3	2	26500	4450
349	4.9	3	2	26500	4450
297	5.7	2	2	26500	4450
270	6.3	3	2	26500	4450
227	7.5	2	2	26500	4450

JRTR109R79		38000lbf · in			
i	n_a [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf
		R109	R79		
20018	0.08	3	3	38000	6620
17080	0.10	3	3	38000	6620
14936	0.11	3	3	38000	6620
12829	0.13	3	3	38000	6620
11256	0.15	3	3	38000	6620
9547	0.18	3	3	38000	6620
8618	0.20	3	3	38000	6620
7583	0.22	3	3	38000	6620
6743	0.25	3	3	38000	6620
5914	0.29	3	3	38000	6620
5168	0.33	3	3	38000	6620
4435	0.38	3	3	38000	6620
3896	0.44	2	3	38000	6620
3432	0.50	3	3	38000	6620
3039	0.56	3	3	38000	6620
2688	0.63	2	3	38000	6620
2339	0.73	3	3	38000	6620
3918	0.43	2	3	38000	6620
3343	0.51	3	3	38000	6620
3034	0.56	2	3	38000	6620
2653	0.64	3	3	38000	6620
2280	0.75	2	3	38000	6620
2067	0.82	2	3	38000	6620
1693	1.0	3	2	38000	6620
1550	1.1	3	2	38000	6620
1407	1.2	2	3	38000	6620
1209	1.4	3	2	38000	6620
1055	1.6	2	3	38000	6620
919	1.8	2	3	38000	6620
815	2.1	3	2	38000	6620
717	2.4	3	2	38000	6620
626	2.7	2	3	38000	6620
528	3.2	3	2	38000	6620
1987	0.86	2	3	38000	6620
1827	0.93	3	2	38000	6620
1599	1.1	2	3	38000	6620
1400	1.2	3	2	38000	6620
1226	1.4	2	3	38000	6620
1104	1.5	2	3	38000	6620
939	1.8	2	3	38000	6620
822	2.1	3	2	38000	6620
614	2.8	3	2	38000	6620
544	3.1	2	3	38000	6620
492	3.5	3	2	38000	6620
417	4.1	2	2	38000	6620
369	4.6	2	2	38000	6620
323	5.3	3	2	38000	6620
285	6.0	2	2	38000	6620
253	6.7	3	2	38000	6620
214	7.9	2	2	38000	6620
187	9.1	3	2	38000	6620
469	3.6	3	2	38000	6620
426	4.0	2	2	38000	6620
377	4.5	2	2	38000	6620
325	5.2	3	2	38000	6620
284	6.0	2	2	38000	6620
256	6.6	3	2	38000	6620
220	7.7	2	2	38000	6620
193	8.8	3	2	38000	6620
172	9.9	2	2	38000	6620

JRTR139/149R79, JRTR149R89, $n_g = 1700 \text{ r/min}$

JRTR139R79 70700lbf · in					
i	n_g [r/min]	Stage		M_{max} lbf · in	F_{Rg} lbf
22203	0.08	3	3	70700	12000
18945	0.09	3	3	70700	12000
16566	0.10	3	3	70700	12000
14777	0.12	3	3	70700	12000
12921	0.13	3	3	70700	12000
11712	0.15	3	3	70700	12000
10573	0.16	3	3	70700	12000
8784	0.19	3	3	70700	12000
7479	0.23	3	3	70700	12000
6559	0.26	3	3	70700	12000
5834	0.29	3	3	70700	12000
5116	0.33	3	3	70700	12000
4464	0.38	2	3	70700	12000
3928	0.43	3	3	70700	12000
3454	0.49	2	3	70700	12000
2993	0.57	3	3	70700	12000
4709	0.36	2	3	70700	12000
4018	0.42	3	3	70700	12000
3514	0.48	2	3	70700	12000
3338	0.51	3	3	70700	12000
2929	0.58	2	3	70700	12000
2484	0.68	3	2	70700	12000
2242	0.76	2	3	70700	12000
1863	0.91	3	2	70700	12000
1586	1.1	2	3	70700	12000
1391	1.2	3	2	70700	12000
1256	1.4	2	3	70700	12000
1105	1.5	3	2	70700	12000
1043	1.6	3	2	70700	12000
888	1.9	2	3	70700	12000
699	2.4	3	2	70700	12000
609	2.8	2	3	70700	12000
2658	0.64	2	3	70700	12000
2412	0.70	3	2	70700	12000
2073	0.82	2	3	70700	12000
1839	0.92	3	2	70700	12000
1598	1.1	2	3	70700	12000
1397	1.2	3	2	70700	12000
1226	1.4	2	3	70700	12000
1090	1.6	3	2	70700	12000
951	1.8	3	2	70700	12000
831	2.0	2	3	70700	12000
730	2.3	3	2	70700	12000
629	2.7	2	3	70700	12000
560	3.0	2	2	70700	12000
490	3.5	3	2	70700	12000
428	4.0	2	2	70700	12000
381	4.5	3	2	70700	12000
323	5.3	2	2	70700	12000
291	5.8	3	2	70700	12000
255	6.7	3	2	70700	12000
223	7.6	2	2	70700	12000
197	8.6	2	2	70700	12000
175	9.7	3	2	70700	12000
564	3.0	2	2	70700	12000
517	3.3	3	2	70700	12000
453	3.8	3	2	70700	12000
376	4.5	3	2	70700	12000
339	5.0	3	2	70700	12000
297	5.7	3	2	70700	12000

JRTR149R79 115000lbf · in					
i	n_g [r/min]	Stage		M_{max} lbf · in	F_{Rg} lbf
23401	0.07	3	3	115000	14100
21342	0.08	3	3	115000	14100
18210	0.09	3	3	115000	14100
15923	0.11	3	3	115000	14100
14075	0.12	3	3	115000	14100
12344	0.14	3	3	115000	14100
11143	0.15	3	3	115000	14100
9743	0.17	3	3	115000	14100
8443	0.20	3	3	115000	14100
7307	0.23	3	3	115000	14100
6447	0.26	3	3	115000	14100
5568	0.31	3	3	115000	14100
4926	0.35	3	3	115000	14100
4325	0.39	3	3	115000	14100
3754	0.45	3	3	115000	14100
3302	0.51	3	3	115000	14100
2898	0.59	3	3	115000	14100
2555	0.67	3	2	115000	14100
2211	0.77	3	2	115000	14100
1951	0.87	3	2	115000	14100
1705	1.00	3	2	115000	14100
1536	1.1	3	2	115000	14100
1329	1.3	3	2	115000	14100
1166	1.5	3	2	115000	14100
1029	1.7	3	2	115000	14100
889	1.9	3	2	115000	14100
784	2.2	3	2	115000	14100
695	2.4	3	2	115000	14100
619	2.7	3	2	115000	14100
558	3.0	3	2	115000	14100
489	3.5	3	2	115000	14100
415	4.1	3	2	115000	14100

JRTR149R89 115000lbf · in					
i	n_g [r/min]	Stage		M_{max} lbf · in	F_{Rg} lbf
533	3.2	3	2	115000	14100
462	3.7	3	2	115000	14100
426	4.0	3	2	115000	14100
368	4.6	3	2	115000	14100
326	5.2	3	2	115000	14100
280	6.1	3	2	115000	14100
247	6.9	3	2	115000	14100
214	7.9	3	2	115000	14100
189	9.0	3	2	115000	14100
159	11	3	2	115000	14100



JRTR169R99, JRTR169R109, JRTR179R99 $n_g = 1700 \text{ r/min}$

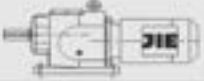

JRTR169R99		159200 lbf · in			
i	n_s	Stage	M_{max}	F_{R16}	
	[r/min]	R169R99	lbf · in	lbf	
27001	0.06	3 3	159200	27000	
22482	0.08	3 3	159200	27000	
20002	0.08	3 3	159200	27000	
17361	0.10	3 3	159200	27000	
15446	0.11	3 3	159200	27000	
14051	0.12	3 3	159200	27000	
11812	0.14	3 3	159200	27000	
10509	0.16	3 3	159200	27000	
9631	0.18	3 3	159200	27000	
7749	0.22	3 3	159200	27000	
6894	0.25	3 3	159200	27000	
6077	0.28	3 3	159200	27000	
5407	0.31	3 3	159200	27000	
4650	0.37	3 3	159200	27000	
4129	0.41	3 3	159200	27000	
3692	0.46	3 3	159200	27000	
3099	0.55	3 3	159200	27000	
2657	0.64	3 2	159200	27000	
2333	0.73	3 2	159200	27000	
2085	0.82	3 2	159200	27000	
1877	0.91	3 2	159200	27000	
1670	1.0	3 2	159200	27000	
1438	1.2	3 2	159200	27000	
1279	1.3	3 2	159200	27000	
1123	1.5	3 2	159200	27000	
999	1.7	3 2	159200	27000	
861	2.0	3 2	159200	27000	
760	2.2	3 2	159200	27000	
656	2.6	3 2	159200	27000	
579	2.9	3 2	159200	27000	
503	3.4	3 2	159200	27000	
432	3.9	3 2	159200	27000	
376	4.5	3 2	159200	27000	
335	5.1	3 2	159200	27000	
303	5.6	3 2	159200	27000	
279	6.1	3 2	159200	27000	

JRTR169R109		159200 lbf · in			
i	n_s	Stage	M_{max}	F_{R16}	
	[r/min]	R169R109	lbf · in	lbf	
3637	0.47	2 3	159200	27000	
3330	0.51	2 3	159200	27000	
2757	0.62	2 3	159200	27000	
2436	0.70	2 3	159200	27000	
2298	0.74	2 3	159200	27000	
2066	0.82	2 3	159200	27000	
1849	0.92	2 3	159200	27000	
1674	1.0	2 3	159200	27000	
1485	1.1	2 3	159200	27000	
1342	1.3	2 3	159200	27000	
1229	1.4	2 3	159200	27000	
1111	1.5	2 3	159200	27000	
950	1.8	2 3	159200	27000	
860	2.0	2 3	159200	27000	
763	2.2	2 3	159200	27000	
690	2.5	2 3	159200	27000	
585	2.9	2 3	159200	27000	
511	3.3	2 3	159200	27000	
349	4.9	2 2	159200	27000	
295	5.8	2 2	159200	27000	
270	6.3	2 2	159200	27000	
229	7.4	3 2	159200	27000	
200	8.5	2 2	159200	27000	
169	10	3 2	159200	27000	
446	3.8	2 2	159200	27000	
399	4.3	3 2	159200	27000	
361	4.7	2 2	159200	27000	
328	5.2	3 2	159200	27000	
291	5.8	2 2	159200	27000	
264	6.4	3 2	159200	27000	
227	7.5	2 2	159200	27000	
198	8.6	3 2	159200	27000	
168	10	2 2	159200	27000	

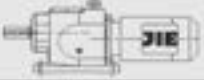
4. Selection table



Selection table for gearmotor

P_m [kW]	n_a [r/min]	M_a [Nm]	i	$F_{Ra}^{(1)}$ [N]	JIE- f_B	
Rated power driving motor	Output speed	Output torque	Gear unit ratio	Permitted overhung load	Service factor	Gear unit type
						Motor type

For particularly low output speeds

M_{amax} [Nm]	n_a [r/min]	i	$F_{Ra}^{(1)}$ [N]	
Max. permissible output torque	Output speed	Gear unit ratio	Permitted overhung load	Gear unit type
				Motor type

Cutline

1) Overhung load specified for foot-mounted gear unit with solid shaft

Notice:

In drives for particularly low output speeds (multi-stage geared motors), the motor power must be limited according to the maximum permitted output torque of the gear unit.



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.16HP					
0.08	90900	21342	15100	1.25	JRTR149R79DN63S4 JRTRF149R79DN63S4
0.09	77600	18210	15600	1.50	
0.11	67800	15923	15900	1.70	
0.12	60000	14075	16100	1.90	
0.14	51500	12344	16300	2.2	
0.15	45000	11143	16400	2.6	
0.17	40600	9743	16400	2.8	
0.20	31500	8443	16600	3.6	
0.23	27300	7307	16600	4.2	
0.26	24100	6447	16700	4.8	
0.30	20800	5568	16700	5.5	
0.13	55000	12921	12700	1.30	JRTR139R79DN63S4 JRTRF139R79DN63S4
0.14	48800	11712	13000	1.45	
0.16	42600	10573	13200	1.65	
0.19	32800	8784	13400	2.1	
0.22	26200	7479	13600	2.7	
0.26	27300	6559	13500	2.6	
0.29	20400	5834	13700	3.5	
0.33	21300	5116	13600	3.3	
0.22	29000	7583	7640	1.30	JRTR109R79DN63S4 JRTRF109R79DN63S4
0.25	23600	6743	8070	1.60	
0.28	24600	5914	8000	1.55	
0.33	18100	5168	8250	2.1	
0.38	16600	4435	8290	2.3	
0.43	14900	3896	8330	2.5	
0.55	12600	3039	8380	3.0	
0.43	16900	3918	8280	2.2	JRTR109R79DN63S4 JRTRF109R79DN63S4
0.50	14400	3343	8340	2.6	
0.55	13000	3034	8370	2.9	
0.63	11400	2653	8400	3.3	
0.74	9830	2280	8430	3.9	
0.81	8730	2067	8440	4.4	
0.37	21100	4559	5540	1.25	JRTR99R59DN63S4 JRTRF99R59DN63S4
0.42	17400	4004	5650	1.50	
0.48	15500	3481	6120	1.70	
0.36	22700	4678	5330	1.15	
0.39	20900	4309	5570	1.25	
0.45	17900	3702	5900	1.50	
0.56	14400	3019	6170	1.85	
0.63	12500	2668	6240	2.1	
0.75	10100	2245	6310	2.6	
0.83	8910	2016	6340	3.0	
0.97	8390	1733	6350	3.2	
0.55	14800	3065	6150	1.80	JRTR99R59DN63S4 JRTRF99R59DN63S4
0.62	13100	2722	6220	2.0	
0.73	11000	2311	6280	2.4	
0.81	9960	2078	6310	2.7	
0.92	8550	1823	6350	3.1	
1.1	7420	1583	6370	3.6	
1.2	6170	1396	6390	4.3	
1.4	5230	1228	6410	5.1	
0.58	11800	2873	3490	1.15	JRTR89R59DN63S4
0.86	8980	1961	4440	1.55	JRTRF89R59DN63S4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.16HP					
0.65	12400	2595	4010	1.10	JRTR89R59DN63S4 JRTRF89R59DN63S4
0.79	9870	2129	4350	1.40	
0.87	8740	1930	4470	1.55	
0.97	7660	1733	4490	1.80	
0.97	7870	1737	4490	1.75	
1.1	6900	1524	4490	2.0	JRTR89R59DN63S4 JRTRF89R59DN63S4
1.3	5450	1303	4490	2.5	
1.5	4780	1143	4490	2.9	
1.9	4010	885	4490	3.4	
2.2	3510	776	4490	3.9	
2.5	3100	685	4490	4.4	
2.8	2390	599	4490	5.7	
1.3	6620	1303	2370	1.10	JRTR79R39DN63S4 JRTRF79R39DN63S4
1.5	5610	1124	2550	1.30	
1.6	5190	1047	2610	1.40	
1.8	4460	915	2710	1.65	
1.4	5670	1218	2540	1.30	
1.6	5140	1084	2620	1.40	JRTR79R39DN63S4 JRTRF79R39DN63S4
1.8	4650	940	2690	1.55	
2.0	3540	821	2810	2.0	
2.3	3260	731	2830	2.2	
2.6	3230	646	2830	2.2	
3.2	2670	520	2870	2.7	JRTR79R39DN63S4 JRTRF79R39DN63S4
3.7	2280	451	2900	3.2	
4.0	2110	422	2910	3.4	
4.6	1790	365	2920	4.0	
1.9	4410	891	1930	1.20	JRTR69R39DN63S4 JRTRF69R39DN63S4
2.3	3520	730	2100	1.50	
2.6	3050	644	2170	1.75	
2.9	2660	571	2220	2.0	
3.5	2190	486	2270	2.4	
2.0	4140	836	1990	1.30	JRTR69R39DN63S4 JRTRF69R39DN63S4
2.2	3390	750	2120	1.55	
2.6	3080	646	2170	1.75	
2.9	2790	574	2200	1.90	
3.4	2410	495	2250	2.2	
3.8	1950	438	2290	2.7	JRTR59R39DN63S4 JRTRF59R39DN63S4
2.5	3150	678	1680	1.25	
2.8	2860	604	1700	1.40	
3.1	2610	537	1720	1.50	
3.6	2290	471	1740	1.75	
4.7	1690	357	1770	2.4	JRTR59R39DN63S4 JRTRF59R39DN63S4
5.3	1480	319	1780	2.7	
4.7	1810	359	1760	2.2	
5.2	1640	324	1770	2.4	
5.8	1430	290	1780	2.8	
6.4	1290	262	1780	3.1	JRTR49R39DN63S4 JRTRF49R39DN63S4
6.8	1180	246	1790	3.4	
7.6	1030	220	1790	3.8	
3.3	2370	510	1250	1.10	
3.9	1970	436	1300	1.35	
4.1	1820	408	1310	1.45	JRTR49R39DN63S4 JRTRF49R39DN63S4
4.9	1480	344	1340	1.80	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.16HP					
3.9	2200	429	1270	1.20	JRTR49R39DN63S4 JRTRF49R39DN63S4
4.5	1880	372	1310	1.40	
4.8	1740	348	1320	1.50	
5.6	1480	301	1340	1.80	
6.6	1220	255	1350	2.2	
7.4	1070	228	1360	2.5	
8.6	890	195	1370	3.0	
5.0	1560	338	1100	1.15	JRTR39R19DN63S4 JRTRF39R19DN63S4
5.7	1490	296	1150	1.20	
6.5	1290	259	1240	1.35	
7.4	1140	228	1270	1.55	
8.4	980	199	1290	1.80	
9.8	860	172	1310	2.0	JRTR39R19DN63S4 JRTRF39R19DN63S4
5.1	1670	328	1020	1.05	
5.8	1430	289	1190	1.25	
6.3	1350	265	1220	1.30	
7.4	1080	226	1280	1.65	
8.3	1000	202	1290	1.75	
9.4	870	179	1310	2.0	
8.4	960	200	900	1.20	JRTR29R19DN63S4 JRTRF29R19DN63S4
9.5	830	177	920	1.35	
10	810	166	920	1.40	
7.4	1080	227	840	1.05	JRTR29R19DN63S4 JRTRF29R19DN63S4
8.3	1000	203	890	1.15	
9.4	870	179	910	1.30	
11	725	156	930	1.60	JRTR79DN63S4 JRTRF79DN63S4
5.6	1780	195.24	2920	4.1	
6.6	1520	166.59	2920	4.8	
7.5	1330	145.67	2920	5.4	JRTR69DN63M6 JRTRF69DN63M6
5.5	1830	199.81	2300	2.9	
6.0	1680	184.07	2310	3.1	
7.0	1440	158.14	2330	3.7	
8.0	1260	137.67	2340	4.2	
8.5	1180	128.97	2340	4.5	
9.7	1040	113.94	2350	5.1	
8.4	1190	199.81	2340	4.4	JRTR69DN63S4 JRTRF69DN63S4
9.1	1100	184.07	2340	4.8	
5.9	1710	186.89	1770	2.3	JRTR59DN63M4 JRTRF59DN63M4
6.4	1570	172.17	1770	2.5	
7.4	1350	147.92	1780	2.9	
8.5	1170	128.77	1790	3.4	
9.1	1100	120.63	1790	3.6	
10	970	106.58	1790	4.1	
11	900	98.99	1790	4.4	
9.0	1120	186.89	1790	3.5	JRTR59DN63S4 JRTRF59DN63S4
9.8	1030	172.17	1790	3.9	
11	880	147.92	1790	4.5	
13	770	128.77	1800	5.2	JRTR49DN63M6 JRTRF49DN63M6
6.2	1620	176.88	1330	1.65	
6.8	1490	162.94	1340	1.80	
7.9	1280	139.99	1350	2.1	
9.0	1110	121.87	1360	2.4	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.16HP					
9.5	1060	176.88	1360	2.5	JRTR49DN63S4 JRTRF49DN63S4
10	970	162.94	1370	2.7	
12	830	139.99	1370	3.2	
14	730	121.87	1380	3.6	
15	685	114.17	1380	3.9	
17	605	100.86	1380	4.4	
18	560	93.68	1380	4.7	
8.2	1230	134.82	1250	1.45	JRTR39DN63M6 JRTRF39DN63M6
8.9	1130	123.66	1270	1.55	
10	960	105.28	1300	1.85	
12	830	90.77	1310	2.1	
13	775	84.61	1320	2.3	
15	675	73.96	1330	2.6	JRTR39DN63S4 JRTRF39DN63S4
12	800	134.82	1320	2.2	
14	740	123.66	1320	2.4	
16	630	105.28	1340	2.8	
19	540	90.77	1340	3.2	
20	505	84.61	1350	3.5	
23	440	73.96	1350	4.0	
10	960	105.49	900	1.20	JRTR29DN63M6 JRTRF29DN63M6
12	830	90.96	920	1.40	
13	775	84.78	920	1.50	
15	675	74.11	940	1.70	JRTR29DN63S4 JRTRF29DN63S4
12	810	135.09	920	1.40	
14	740	123.91	930	1.55	
16	630	105.49	940	1.80	
18	545	90.96	950	2.1	
20	505	84.78	960	2.3	
23	440	74.11	960	2.6	
24	415	69.47	970	2.8	
27	365	61.30	930	3.1	
30	335	55.87	910	3.4	
35	285	48.17	870	4.0	
37	265	44.90	850	4.3	JRTR19DN63M6 JRTRF19DN63M6
16	645	70.39	535	1.15	
17	600	65.61	545	1.25	
19	525	57.35	560	1.45	
20	490	53.76	560	1.55	
23	430	47.44	560	1.75	JRTR19DN63S4 JRTRF19DN63S4
21	485	81.64	560	1.55	
24	420	70.39	560	1.80	
26	390	65.61	560	1.90	
29	340	57.35	560	2.2	
31	320	53.76	560	2.3	
35	280	47.44	550	2.6	
38	265	44.18	535	2.8	
44	230	38.61	520	3.2	
46	215	36.20	510	3.5	
53	192	31.94	490	3.9	
59	170	28.32	475	4.4	
70	144	24.07	450	5.2	



Output speed n_s [r/min]	Output torque T_s [lbf • in]	Ratio i	Permitted overhung load F_{R_s} ¹⁾ [lbf]	Service factor f_s	Model	
0.16HP						
277	36	6.07	900	10	JRTRX69DN63S4	
325	31	5.18	850	21		
371	27	4.53	820	27		
391	26	4.30	800	27		
305	33	5.50	710	10	JRTRX59DN63S4	
332	30	5.07	690	10		
386	26	4.35	655	23		
443	23	3.79	625	27		
473	21	3.55	615	29		
536	19	3.14	590	31		
577	18	2.91	575	34		
636	16	2.64	555	39		
709	14	2.37	535	43		
823	12	2.04	510	50		
875	12	1.92	500	53		
1015	9.9	1.65	475	62		
0.25HP						
0.12	102800	14075	14700	1.10	JRTR149R79DN63M4	
0.14	89000	12344	15200	1.30		
0.15	78800	11143	15600	1.45		
0.17	70200	9743	15800	1.65		
0.20	57200	8443	16100	2.0		
0.23	49500	7307	16300	2.3		
0.26	43700	6447	16400	2.6		
0.31	37700	5568	16500	3.0		
0.35	34800	4926	16500	3.3		
0.39	29700	4325	16600	3.9		
0.45	26500	3754	16600	4.3		
0.51	22600	3302	16700	5.1		
0.19	59500	8784	12500	1.20	JRTR139R79DN63M4	
0.23	48900	7479	13000	1.45		
0.26	47300	6559	13000	1.50		
0.29	38200	5834	13300	1.85		
0.33	36900	5116	13300	1.90		
0.38	30200	4464	13500	2.3	JRTR139R79DN63M4	
0.43	26600	3928	13600	2.7		
0.36	34800	4709	13400	2.0		
0.42	29700	4018	13500	2.4		
0.48	25900	3514	13600	2.7		
0.51	24600	3338	13600	2.9	JRTR139R79DN63M4	
0.58	21600	2929	13600	3.3		
0.38	30000	4435	7540	1.25		JRTR109R79DN63M4
0.44	26700	3896	7830	1.40		
0.56	21900	3039	8130	1.75		
0.43	28900	3918	7840	1.30	JRTR109R79DN63M4	
0.51	24700	3343	7990	1.55		
0.56	22400	3034	8120	1.70		
0.64	19600	2653	8210	1.95		
0.75	16800	2280	8280	2.3	JRTR109R79DN63M4	
0.82	15000	2067	8330	2.5		
0.86	14200	1987	8350	2.7		
0.93	12500	1827	8380	3.0		

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.25HP					
1.1	10600	1599	8420	3.6	JRTR109R79DN63M4
1.2	9610	1400	8430	4.0	
1.4	8120	1226	8450	4.7	
0.64	20700	2668	5590	1.30	JRTR99R59DN63M4
0.76	17000	2245	5990	1.55	
0.84	15100	2016	6140	1.75	
0.98	13700	1733	6200	1.95	
1.1	12700	1623	6230	2.1	
1.2	11100	1434	6280	2.4	
1.4	9180	1207	6330	2.9	
1.6	8130	1084	6360	3.3	
1.8	6840	934	6380	3.9	
1.9	6370	878	6390	4.2	
2.2	5340	755	6410	5.0	
0.62	21500	2722	4430	1.25	JRTR99R59DN63M4
0.74	18100	2311	5440	1.45	
0.82	16300	2078	5990	1.60	
1.1	11700	1489	4110	1.15	JRTR89R59DN63M4
1.2	10900	1395	4220	1.25	
1.4	9570	1232	4380	1.45	
1.5	8830	1145	4460	1.55	
1.6	7890	1037	4490	1.75	
1.8	6980	931	4490	1.95	
2.1	5880	802	4490	2.3	JRTR89R59DN63M4
1.1	11500	1524	3590	1.20	
1.3	9460	1303	4380	1.45	
1.5	8300	1143	4490	1.65	
1.9	6730	885	4490	2.0	
2.2	5900	776	4490	2.3	
2.0	6780	858	2330	1.05	JRTR79R39DN63M4
2.2	5920	757	2500	1.20	
2.5	5190	671	2610	1.40	
3.0	4330	571	2720	1.65	JRTR79R39DN63M4
2.1	6070	821	2470	1.20	
2.3	5510	731	2560	1.30	
2.6	5220	646	2610	1.40	
3.0	4520	560	2700	1.60	
3.5	3810	488	2780	1.90	
3.9	3370	436	2820	2.1	
4.6	2910	373	2860	2.5	
5.2	2550	327	2880	2.8	
5.9	2290	289	2900	3.2	JRTR69R39DN63M4
3.0	4410	571	1930	1.20	
3.5	3690	486	2070	1.45	
3.0	4560	574	1900	1.15	JRTR69R39DN63M4
3.4	3930	495	2030	1.35	
3.9	3300	438	2130	1.60	
4.4	2920	388	2190	1.80	
4.9	2730	344	2210	1.95	
5.8	2170	294	2270	2.4	
6.5	2010	261	2280	2.6	JRTR59R39DN63M4
3.7	3450	454	1650	1.15	
4.2	3110	410	1680	1.30	
3.6	3740	471	1620	1.05	JRTR59R39DN63M4
4.8	2790	357	1700	1.40	
5.3	2460	319	1730	1.60	
6.2	2070	273	1750	1.90	
7.1	1780	241	1760	2.2	
7.9	1590	215	1770	2.5	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
0.25HP					
4.7	2930	359	1690	1.35	JRTR59R39DN63M4 JRTRF59R39DN63M4
5.2	2650	324	1710	1.50	
5.9	2330	290	1730	1.70	
6.5	2100	262	1750	1.90	
6.9	1950	246	1760	2.0	
7.7	1720	220	1770	2.3	
9.0	1440	188	1780	2.8	
11	1210	159	1780	3.3	
5.7	2410	301	1250	1.10	JRTR49R39DN63M4 JRTRF49R39DN63M4
6.7	2020	255	1290	1.30	
7.5	1780	228	1310	1.50	
8.7	1490	195	1340	1.75	
8.5	1590	199	1080	1.10	JRTR39R19DN63M4 JRTRF39R19DN63M4
9.9	1390	172	1220	1.25	
11	1200	150	1250	1.45	
8.4	1630	202	1050	1.10	
9.5	1420	179	1200	1.25	JRTR39R19DN63M4 JRTRF39R19DN63M4
11	1210	156	1250	1.45	
12	1080	141	840	1.05	
14	950	124	900	1.20	
15	860	110	910	1.35	JRTR29R19DN63M4 JRTRF29R19DN63M4
18	720	94	930	1.60	
13	1050	135	860	1.10	
14	970	118	900	1.20	
16	840	104	920	1.35	JRTR29R19DN63M4 JRTRF29R19DN63M4
19	725	90	930	1.60	
8.7	1810	195.24	2920	4.0	JRTR79DN63M4 JRTRF79DN63M4
10	1540	166.59	2920	4.7	
12	1350	145.67	2920	5.4	
12	1280	138.39	2920	5.7	
5.5	2870	195.24	2860	2.5	JRTR79DN71S6 JRTRF79DN71S6
6.4	2450	166.59	2890	3.0	
7.3	2140	145.67	2910	3.4	
7.7	2030	138.39	2910	3.6	
8.8	1780	121.42	2920	4.1	JRTR69DN63M4 JRTRF69DN63M4
8.5	1850	199.81	2300	2.9	
9.2	1700	184.07	2310	3.1	
11	1480	158.14	2330	3.6	
12	1270	137.67	2340	4.2	
13	1190	128.97	2340	4.4	
15	1050	113.94	2350	5.0	
16	980	105.83	2350	5.4	JRTR69DN71S6 JRTRF69DN71S6
5.4	2940	199.81	2190	1.80	
5.8	2710	184.07	2210	1.95	
6.8	2320	158.14	2260	2.3	
7.8	2020	137.67	2280	2.6	
8.3	1900	128.97	2290	2.8	
9.4	1670	113.94	2310	3.2	
10	1550	105.83	2320	3.4	
11	1410	95.91	2330	3.8	
12	1260	86.11	2340	4.2	
14	1090	74.17	2340	4.9	JRTR59DN63M4 JRTRF59DN63M4
15	1020	69.75	2350	5.2	
9.1	1730	186.89	1770	2.3	
9.9	1590	172.17	1770	2.5	
11	1370	147.92	1780	2.9	
13	1190	128.77	1790	3.3	
14	1110	120.63	1790	3.6	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
0.25HP					
16	980	106.58	1790	4.0	JRTR59DN63M4 JRTRF59DN63M4
17	910	98.99	1790	4.3	
19	830	89.71	1790	4.8	
5.7	2750	186.89	1710	1.45	JRTR59DN71S6 JRTRF59DN71S6
6.2	2530	172.17	1720	1.55	
7.2	2170	147.92	1740	1.85	
8.3	1890	128.77	1760	2.1	
8.9	1770	120.63	1760	2.2	JRTR49DN63M4 JRTRF49DN63M4
9.6	1640	116.88	1330	1.60	
10	1510	102.94	1340	1.75	
12	1290	139.99	1350	2.0	
14	1130	121.87	1360	2.4	
15	1050	114.17	1360	2.5	
17	930	100.86	1370	2.8	
18	860	93.68	1370	3.1	
20	785	84.90	1370	3.4	
22	705	76.23	1380	3.8	
13	1250	134.82	1250	1.40	JRTR39DN63M4 JRTRF39DN63M4
14	1140	123.66	1270	1.55	
16	970	105.28	1290	1.80	
19	840	90.77	1310	2.1	
20	780	84.61	1320	2.3	
23	685	73.96	1330	2.6	
25	640	69.33	1340	2.8	
28	565	61.18	1330	3.1	
30	515	55.76	1300	3.4	
35	445	48.08	1240	4.0	
10	1550	105.28	1110	1.15	JRTR39DN71S6 JRTRF39DN71S6
12	1330	90.77	1230	1.30	
13	1240	84.61	1250	1.40	
14	1140	123.91	795	1.00	JRTR29DN63M4 JRTRF29DN63M4
16	970	105.49	900	1.20	
19	840	90.96	920	1.35	
20	785	84.78	920	1.45	
23	685	74.11	930	1.65	
24	640	69.47	930	1.80	
28	565	61.30	900	2.0	
30	515	55.87	880	2.2	
35	445	48.17	840	2.6	
38	415	44.90	830	2.8	
43	360	39.25	795	3.2	JRTR29DN63M4 JRTRF29DN63M4
46	340	36.79	780	3.4	
52	300	32.47	750	3.8	
59	265	28.78	725	4.3	
69	225	24.47	690	5.1	
60	260	28.37	720	4.4	
65	240	26.09	700	4.8	
76	205	22.32	670	5.6	
88	179	19.35	640	6.4	
94	168	18.08	625	6.9	
109	145	15.63	600	7.9	JRTR19DN63M4 JRTRF19DN63M4
128	123	13.28	570	9.3	
21	755	81.64	390	1.00	
24	650	70.39	535	1.15	
26	605	65.61	540	1.25	
30	530	57.35	540	1.40	
32	495	53.76	530	1.50	JRTR19DN63M4 JRTRF19DN63M4
36	435	47.44	515	1.70	
38	405	44.18	510	1.85	



Output speed n_s [r/min]	Output torque T_s [lbf • in]	Ratio i	Permitted overhung load $F_{R_s}^{(1)}$ [lbf]	Service factor f_s	Model	
0.25HP						
44	355	38.61	490	2.1	JRTR19DN63M4 JRTRF19DN63M4	
47	335	36.20	485	2.2		
53	295	31.94	470	2.5		
60	260	28.32	455	2.9		
71	220	24.07	435	3.4		
67	230	25.23	440	3.2	JRTR19DN63M4 JRTRF19DN63M4	
73	210	23.15	430	3.5		
86	183	19.71	410	4.1		
100	158	16.99	395	4.8		
280	56	6.07	890	6.8	JRTRX69DN63M4 JRTRXF69DN63M4	
328	48	5.18	850	14		
376	42	4.53	810	17		
395	40	4.30	795	18		
451	35	3.77	765	22		
531	30	3.20	725	30		
588	27	2.89	700	35		
669	24	2.54	670	44		
708	22	2.40	655	49		
832	19	2.04	625	63		
309	51	5.50	705	6.8		JRTRX59DN63M4 JRTRXF59DN63M4
336	47	5.07	685	6.8		
391	40	4.35	650	15		
449	35	3.79	620	17		
479	33	3.55	610	19		
542	29	3.14	585	20		
584	27	2.91	570	22		
644	25	2.64	555	25		
717	22	2.37	535	28		
833	19	2.04	510	32		
885	18	1.92	500	34		
1030	15	1.65	475	40		
0.33HP						
0.17	97100	9743	14900	1.20	JRTR149R79DN71S4 JRTRF149R79DN71S4	
0.20	80500	8443	15500	1.45		
0.23	69700	7307	15800	1.65		
0.26	61500	6447	16000	1.85		
0.31	53100	5568	16200	2.2		
0.35	48400	4926	16300	2.4		
0.39	41600	4325	16400	2.8		
0.45	38900	3754	16500	3.1		
0.51	31800	3302	16600	3.6		
0.59	27600	2898	16600	4.2		
0.29	54300	5834	12800	1.30	JRTR139R79DN71S4 JRTRF139R79DN71S4	
0.33	51000	5116	12900	1.40		
0.38	42600	4464	13200	1.65		
0.43	37400	3928	13300	1.90		
0.36	47900	4709	13000	1.45	JRTR139R79DN71S4 JRTRF139R79DN71S4	
0.42	40900	4018	13200	1.75		
0.48	35800	3514	13400	2.0		
0.51	34000	3338	13400	2.1		
0.58	29800	2929	13500	2.4		
0.64	26800	2658	13600	2.6	JRTR139R79DN71S4 JRTRF139R79DN71S4	
0.70	24300	2412	13600	2.9		
0.82	20900	2073	13600	3.4		
0.92	17700	1839	13700	4.0		
1.2	13900	1397	13700	5.1		
1.4	11900	1226	13800	5.9		

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
0.33HP					
0.56	30300	3039	7520	1.25	JRTR109R79DN71S4 JRTRF109R79DN71S4
0.86	19700	1987	8200	1.90	
0.93	17600	1827	8260	2.2	
1.1	15000	1599	8330	2.5	
1.2	13500	1400	8360	2.8	
1.4	11500	1226	8400	3.3	
1.8	9060	939	8440	4.2	
2.1	7740	822	8450	4.9	
0.98	18500	1733	5840	1.45	JRTR99R59DN71S4 JRTRF99R59DN71S4
1.1	17300	1623	5970	1.55	
0.93	19200	1823	5120	1.40	
1.1	16700	1583	5880	1.60	
1.2	14300	1396	6170	1.85	
1.4	12400	1228	6240	2.1	
1.6	11400	1069	6270	2.3	
1.8	9900	938	6320	2.7	
2.1	8350	824	6350	3.2	
2.3	7460	737	6370	3.5	
2.7	6400	632	6390	4.2	JRTR89R59DN71S4 JRTRF89R59DN71S4
1.5	12000	1145	4070	1.15	
1.6	10700	1037	4240	1.25	
1.8	9580	931	4380	1.45	
2.1	8120	802	4490	1.70	
1.5	11400	1143	3630	1.20	
1.9	9200	885	4420	1.50	
2.2	8070	776	4490	1.70	
2.5	7120	685	4490	1.90	
2.8	5900	599	4490	2.3	
3.2	5180	525	4490	2.6	JRTR79R39DN71S4 JRTRF79R39DN71S4
3.7	4580	456	4490	3.0	
6.3	2640	268	4490	5.2	
3.0	5930	571	2500	1.20	
3.0	6080	560	2470	1.20	
3.5	5180	488	2610	1.40	
3.9	4580	436	2690	1.60	
4.6	3950	373	2770	1.85	
5.2	3460	327	2810	2.1	
5.9	3090	289	2840	2.3	
6.5	2750	260	2870	2.6	JRTR69R39DN71S4 JRTRF69R39DN71S4
7.6	2280	224	2900	3.2	
4.4	4010	388	2010	1.30	
4.9	3690	344	2070	1.45	
5.8	2990	294	2180	1.75	
6.5	2740	261	2210	1.95	
7.3	2460	234	2240	2.1	
8.5	2070	200	2280	2.5	
9.7	1790	176	2300	3.0	
11	1600	158	2320	3.3	
4.4	4220	384	1970	1.25	JRTR59R39DN71S4 JRTRF59R39DN71S4
4.7	3930	359	2030	1.35	
5.5	3370	310	2120	1.55	
6.5	2830	264	2200	1.85	
7.2	2500	235	2240	2.1	
8.5	2110	201	2280	2.5	
9.4	1900	181	2290	2.8	
5.3	3360	319	1660	1.20	
6.2	2830	273	1700	1.40	
7.1	2450	241	1730	1.60	
7.9	2190	215	1740	1.80	JRTR59R39DN71S4 JRTRF59R39DN71S4
9.1	1940	187	1760	2.0	
10	1670	164	1770	2.4	
12	1460	142	1780	2.7	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
0.33HP					
5.2	3560	324	1640	1.10	JRTR59R39DN71S4 JRTRF59R39DN71S4
5.9	3150	290	1680	1.25	
6.5	2840	262	1700	1.40	
6.9	2640	246	1710	1.50	
7.7	2340	220	1730	1.70	
7.5	2420	228	1250	1.10	JRTR49R39DN71S4 JRTRF49R39DN71S4
8.7	2040	195	1290	1.30	
9.3	1900	182	1300	1.40	
11	1580	154	1330	1.70	
11	1620	150	1060	1.10	JRTR39R19DN71S4 JRTRF39R19DN71S4
13	1370	130	1220	1.30	
14	1300	124	1230	1.35	
15	1150	110	1260	1.55	
18	980	94	1290	1.80	
13	1420	135	1200	1.25	JRTR39R19DN71S4 JRTRF39R19DN71S4
13	1390	127	1210	1.25	
16	1130	104	1270	1.55	
19	980	90	1290	1.80	
5.6	3690	195.24	2790	1.95	JRTR79R19DN71M6 JRTRF79R19DN71M6
6.6	3150	166.59	2840	2.3	
7.5	2750	145.67	2870	2.6	
8.7	2380	195.24	2890	3.0	
10	2030	166.59	2910	3.6	
12	1780	145.67	2920	4.1	JRTR79R19DN71S4 JRTRF79R19DN71S4
12	1690	138.39	2920	4.3	
14	1480	121.42	2920	4.9	
5.5	3770	199.81	2060	1.40	JRTR69R19DN71M6 JRTRF69R19DN71M6
6.0	3480	184.07	2110	1.50	
7.0	2990	158.14	2180	1.75	
8.0	2600	137.67	2230	2.0	
8.5	2430	128.97	2240	2.2	
9.7	2150	113.94	2270	2.5	JRTR69R19DN71S4 JRTRF69R19DN71S4
10	2000	105.83	2290	2.6	
8.5	2440	199.81	2240	2.2	
9.2	2250	184.07	2260	2.4	
11	1930	158.14	2290	2.7	
12	1680	137.67	2310	3.1	JRTR59R19DN71M6 JRTRF59R19DN71M6
13	1570	128.97	2320	3.4	
15	1390	113.94	2330	3.8	
16	1290	105.83	2330	4.1	
18	1170	95.91	2340	4.5	
20	1050	86.11	2350	5.0	JRTR59R19DN71S4 JRTRF59R19DN71S4
5.9	3530	186.89	1640	1.15	
6.4	3250	172.17	1670	1.20	
7.4	2790	147.92	1700	1.40	
8.5	2430	128.77	1730	1.65	
9.1	2280	120.63	1740	1.75	JRTR59R19DN71S4 JRTRF59R19DN71S4
10	2010	106.58	1750	1.95	
11	1870	98.99	1760	2.1	
9.1	2280	186.89	1740	1.75	
9.9	2100	172.17	1750	1.90	
11	1810	147.92	1760	2.2	JRTR59R19DN71S4 JRTRF59R19DN71S4
13	1570	128.77	1770	2.5	
14	1470	120.63	1780	2.7	
16	1300	106.58	1780	3.0	
17	1210	98.99	1790	3.3	
19	1090	89.71	1790	3.6	JRTR59R19DN71S4 JRTRF59R19DN71S4
21	980	80.55	1790	4.0	
25	840	69.23	1770	4.7	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
0.33HP					
9.6	2160	176.88	1280	1.25	JRTR49DN71S4 JRTRF49DN71S4
10	1990	162.94	1290	1.35	
12	1710	139.99	1320	1.55	
14	1490	121.87	1340	1.80	
15	1390	114.17	1340	1.90	
17	1230	100.86	1350	2.1	JRTR49DN71S4 JRTRF49DN71S4
18	1140	93.68	1360	2.3	
20	1030	84.90	1360	2.5	
22	930	76.23	1370	2.8	
25	830	68.54	1370	3.2	
26	785	64.21	1370	3.4	JRTR39DN71S4 JRTRF39DN71S4
30	690	56.73	1330	3.8	
32	640	52.69	1300	4.1	
36	580	47.75	1260	4.5	
13	1650	134.82	1040	1.05	JRTR39DN71S4 JRTRF39DN71S4
14	1510	123.66	1140	1.15	
16	1280	105.28	1240	1.35	
19	1110	90.77	1270	1.60	
20	1030	84.61	1280	1.70	
23	900	73.96	1300	1.95	JRTR39DN71S4 JRTRF39DN71S4
25	840	69.33	1310	2.1	
28	745	61.18	1310	2.4	
30	680	55.76	1280	2.6	
35	585	48.08	1220	3.0	JRTR29DN71S4 JRTRF29DN71S4
38	545	44.81	1200	3.2	
43	475	39.17	1150	3.7	
46	445	36.72	1130	3.9	
52	395	32.40	1090	4.5	
20	1030	84.78	870	1.10	JRTR29DN71S4 JRTRF29DN71S4
23	900	74.11	910	1.25	
24	850	69.47	910	1.35	
28	750	61.30	880	1.55	
30	680	55.87	860	1.70	
35	585	48.17	820	1.95	JRTR29DN71S4 JRTRF29DN71S4
38	545	44.90	810	2.1	
43	480	39.25	780	2.4	
46	450	36.79	765	2.5	
52	395	32.47	740	2.9	
59	350	28.78	715	3.3	JRTR29DN71S4 JRTRF29DN71S4
69	295	24.47	680	3.8	
60	345	28.37	710	3.3	
65	315	26.09	695	3.6	
76	270	22.32	660	4.2	JRTR29DN71S4 JRTRF29DN71S4
88	235	19.35	635	4.9	
94	220	18.08	620	5.2	
109	191	15.63	595	6.0	
128	163	13.28	565	7.1	
143	145	11.86	545	7.9	JRTR29DN71S4 JRTRF29DN71S4
168	124	10.13	520	8.7	
181	115	9.41	505	9.4	
208	100	8.16	485	10	
223	93	7.63	475	11	
258	81	6.59	450	12	JRTR29DN71S4 JRTRF29DN71S4
304	69	5.60	430	13	
340	61	5.00	415	14	
398	52	4.27	395	15	
425	49	4.00	385	15	
505	41	3.37	365	17	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model	
0.33HP						
30	700	57.35	470	1.05	JRTR190N71S4 JRTRF190N71S4	
32	655	53.76	500	1.15		
36	580	47.44	490	1.30		
38	540	44.18	485	1.40		
44	470	38.61	470	1.60		
47	440	36.20	465	1.70		
53	390	31.94	450	1.90		
60	345	28.32	440	2.2	JRTR190N63M2 JRTRF190N63M2	
71	290	24.07	420	2.5		
167	124	19.71	335	6.0		
194	107	16.99	320	7.0		
208	100	15.84	315	7.5		
238	87	13.84	300	8.6		
254	82	12.98	295	9.2		
288	72	11.45	285	9.9		
325	64	10.15	275	11		
382	54	8.63	260	12		
437	48	7.55	250	10	JRTR190N71S4 JRTRF190N71S4	
469	44	7.04	245	11		
537	39	6.15	235	12		
572	36	5.76	230	13		
649	32	5.09	220	14		
732	28	4.51	210	15		
861	24	3.83	200	16		
67	305	25.23	425	2.4		
73	280	23.15	420	2.6		
86	240	19.71	400	3.1		
100	205	16.99	385	3.6	JRTR190N71S4 JRTRF190N71S4	
107	194	15.84	380	3.9		
123	169	13.84	365	4.4		
131	159	12.98	360	4.7		
148	140	11.45	345	5.1		
280	74	6.07	890	5.1		
328	63	5.18	840	10		
376	55	4.53	810	13		
395	53	4.30*	795	13		
451	46	3.77	760	17		
531	39	3.20*	720	23	JRTRX690N71S4 JRTRXF690N71S4	
588	35	2.89	695	27		
669	31	2.54	670	34		
708	29	2.40*	655	37		
832	25	2.04	620	47		
309	67	5.50*	700	5.1		
336	62	5.07	680	5.1		
391	53	4.35	650	11		
449	46	3.79	620	13		
479	43	3.55*	605	14		
542	38	3.14	585	15	JRTRX590N71S4 JRTRXF590N71S4	
584	36	2.91	570	17		
644	32	2.64*	550	19		
717	29	2.37	530	21		
833	25	2.04	505	24		
885	24	1.92*	495	26		
1030	20	1.65	475	30		
0.50HP						
0.23	112500	7307	14200	1.00		JRTR149R790N71M4 JRTRF149R790N71M4
0.26	99300	6447	14800	1.15		
0.31	85700	5568	15300	1.35		
0.35	77300	4926	15600	1.50		

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.50HP					
0.39	67000	4325	15900	1.70	JRTR149R790N71M4 JRTRF149R790N71M4
0.45	58900	3754	16100	1.95	
0.51	51100	3302	16300	2.2	
0.59	44600	2898	16400	2.6	
0.38	68700	4464	12100	1.05	JRTR139R790N71M4 JRTRF139R790N71M4
0.43	60500	3928	12500	1.15	
0.42	64800	4018	12300	1.10	
0.48	56600	3514	12700	1.25	
0.51	53800	3338	12800	1.30	
0.58	47200	2929	13000	1.50	JRTR139R790N71M4 JRTRF139R790N71M4
0.68	39800	2484	13300	1.80	
0.76	35600	2242	13400	2.0	
0.64	42600	2658	13200	1.65	
0.70	38600	2412	13300	1.85	
0.82	33200	2073	13400	2.1	JRTR139R790N71M4 JRTRF139R790N71M4
0.92	28600	1839	13500	2.5	
1.2	22200	1397	13600	3.2	
1.4	19200	1226	13700	3.7	
1.6	17300	1090	13700	4.1	JRTR109R790N71M4 JRTRF109R790N71M4
1.8	15100	951	13700	4.7	
0.82	33100	2067	7230	1.15	
1.0	26900	1693	7820	1.40	
1.1	24100	1550	8030	1.55	
1.2	21900	1407	8130	1.75	JRTR109R790N71M4 JRTRF109R790N71M4
1.4	18800	1209	8230	2.0	
1.6	16400	1055	8300	2.3	
0.86	31500	1987	7390	1.20	
0.93	28400	1827	7690	1.35	
1.1	24500	1599	8010	1.55	JRTR99R590N71M4 JRTRF99R590N71M4
1.2	21800	1400	8140	1.75	
1.4	18800	1226	8230	2.0	
1.8	14600	939	8340	2.6	
2.1	12600	822	8380	3.0	
1.4	19700	1207	5710	1.35	JRTR99R590N71M4 JRTRF99R590N71M4
1.6	17500	1084	5940	1.50	
1.2	22600	1396	4100	1.15	
1.4	19700	1228	4980	1.35	
1.6	17700	1069	5920	1.50	JRTR89R590N71S4 JRTRF89R590N71S4
1.8	15400	938	6130	1.70	
2.1	13200	824	6210	2.0	
2.3	11800	737	6260	2.2	
2.7	10100	632	6310	2.6	
3.9	6990	431	6380	3.8	JRTR89R590N71S4 JRTRF89R590N71S4
4.5	6090	379	6400	4.4	
5.0	5460	336	6410	4.9	
2.1	12800	802	3940	1.05	
2.2	12000	754	4070	1.15	
2.6	10200	649	4300	1.35	JRTR89R590N71S4 JRTRF89R590N71S4
2.2	12600	776	3980	1.10	
2.5	11100	685	4190	1.25	
2.8	9460	599	4380	1.45	
3.2	8300	525	4490	1.65	
3.7	7280	456	4490	1.90	JRTR89R590N71S4 JRTRF89R590N71S4
6.3	4220	268	4490	3.2	
7.2	3730	236	4490	3.7	
3.2	9030	538	4440	1.50	
3.6	7870	472	4490	1.75	JRTR89R590N71S4 JRTRF89R590N71S4
4.2	6610	400	4490	2.1	
4.7	5930	361	4490	2.3	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
0.50HP					
4.6	6160	373	2460	1.20	JRTR79R39DN71S4 JRTRF79R39DN71S4
5.2	5400	327	2580	1.35	
5.9	4810	289	2670	1.50	
6.5	4290	260	2730	1.70	
7.6	3610	224	2800	2.0	
8.7	3170	197	2840	2.3	
10	2780	169	2870	2.6	
11	2420	149	2890	3.0	
5.8	4730	294	1860	1.10	JRTR69R39DN71M4 JRTRF69R39DN71M4
6.5	4290	261	1960	1.25	
7.3	3850	234	2040	1.40	
8.5	3260	200	2140	1.65	JRTR99DN80M6 JRTRF99DN80M6
3.8	8300	289.74	6350	3.2	
4.3	7320	255.71	6370	3.6	
4.8	6910	241.25	6380	3.8	
5.1	6190	216.28	6390	4.3	
4.5	7060	246.54	4490	1.95	JRTR89DN80M6 JRTRF89DN80M6
5.1	6200	216.54	4490	2.2	
5.3	5890	205.71	4490	2.3	
6.0	5200	181.77	4490	2.6	
7.1	4450	155.34	4490	3.1	
7.7	4080	142.41	4490	3.4	JRTR79DN80M6 JRTRF79DN80M6
6.6	4770	166.59	2670	1.50	
7.5	4170	145.67	2740	1.75	
8.0	3960	138.39	2760	1.85	JRTR79DN71M4 JRTRF79DN71M4
8.7	3620	195.24	2800	2.0	
10	3080	166.59	2840	2.4	
12	2700	145.67	2870	2.7	
12	2560	138.39	2880	2.8	
14	2250	121.42	2900	3.2	
17	1900	102.99	2920	3.8	
18	1720	92.97	2920	4.2	JRTR69DN80M6 JRTRF69DN80M6
7.0	4530	158.14	1900	1.15	
8.0	3940	137.67	2030	1.35	
8.5	3690	128.97	2070	1.45	
9.7	3260	113.94	2140	1.65	
8.5	3700	199.81	2070	1.45	JRTR69DN71M4 JRTRF69DN71M4
9.2	3410	184.07	2120	1.55	
11	2930	158.14	2190	1.80	
12	2550	137.67	2230	2.1	
13	2390	128.97	2250	2.2	
15	2110	113.94	2280	2.5	
16	1960	105.83	2290	2.7	
18	1770	95.91	2300	3.0	
20	1590	86.11	2320	3.3	
23	1370	74.17	2330	3.9	
24	1290	69.75	2340	4.1	JRTR59DN80M6 JRTRF59DN80M6
28	1130	61.26	2340	4.7	
30	1050	56.89	2350	5.0	
8.5	3690	128.77	1630	1.10	
9.1	3450	120.63	1650	1.15	
10	3050	106.58	1680	1.30	
11	2830	98.99	1700	1.40	JRTR59DN71M4 JRTRF59DN80M4
9.1	3460	186.89	1650	1.15	
9.9	3190	172.17	1670	1.25	
11	2740	147.92	1710	1.45	
13	2380	128.77	1730	1.65	
14	2230	120.63	1740	1.80	
16	1970	106.58	1750	2.0	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
0.50HP					
17	1830	98.99	1760	2.2	JRTR59DN71M4 JRTRF59DN80M4
19	1660	89.71	1770	2.4	
21	1490	80.55	1780	2.7	
25	1280	69.23	1730	3.1	
26	1200	64.85	1700	3.3	
30	1060	57.29	1640	3.8	
32	980	53.22	1600	4.0	
35	890	48.23	1560	4.5	JRTR49DN71M4 JRTRF49DN80M4
12	2590	139.99	1160	1.00	
14	2260	121.87	1270	1.15	
15	2110	114.17	1280	1.25	
17	1870	100.86	1310	1.40	
18	1730	93.68	1320	1.55	
20	1570	84.90	1330	1.70	
22	1410	76.23	1340	1.90	
25	1270	68.54	1350	2.1	
26	1190	64.21	1340	2.2	
30	1050	56.73	1290	2.5	JRTR49DN71M4 JRTRF49DN80M4
32	970	52.69	1270	2.7	
36	880	47.75	1230	3.0	
40	795	42.87	1190	3.3	
46	680	36.93	1140	3.9	
49	640	34.73	1120	4.1	
50	625	33.79	1110	3.4	JRTR49DN71M4 JRTRF49DN80M4
55	575	31.12	1090	3.4	
64	495	26.74	1040	5.3	
73	430	23.28	990	6.2	
78	400	21.81	970	6.6	
19	1680	90.77	1010	1.05	JRTR39DN71M4 JRTRF39DN71M4
20	1560	84.61	1100	1.15	
23	1370	73.96	1220	1.30	
25	1280	69.33	1240	1.40	
28	1130	61.18	1260	1.55	
30	1030	55.76	1230	1.70	
35	890	48.08	1190	2.0	
38	830	44.81	1160	2.1	
43	725	39.17	1120	2.4	
46	680	36.72	1100	2.6	
52	600	32.40	1060	2.9	JRTR39DN71S4 JRTRF39DN71S4
59	530	28.73	1020	3.3	
70	450	24.42	980	3.9	
60	525	28.32	1020	3.4	
65	480	26.03	1000	3.4	
76	410	22.27	950	4.3	
88	355	19.31	910	4.9	
94	330	18.05	890	5.3	JRTR29DN71S4 JRTRF29DN71S4
109	285	16.60	850	6.1	
128	245	13.25	810	6.8	
144	215	11.83	785	7.4	
28	1130	61.30	800	1.00	
30	1030	55.87	810	1.10	
35	890	48.17	785	1.30	
38	830	44.90	775	1.40	
43	725	39.25	750	1.60	JRTR29DN71S4 JRTRF29DN71S4
46	680	36.79	735	1.70	
52	600	32.47	715	1.90	
59	530	28.78	690	2.1	
69	450	24.47	660	2.5	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.5}$ [lbf]	Service factor f_s	Model
0.50HP					
60	525	28.37	690	2.2	JRTR29DN71S4 JRTRF29DN71S4
65	480	26.09	670	2.4	
76	410	22.32	645	2.8	
88	355	19.35	620	3.2	
94	335	18.08	605	3.4	
109	285	15.63	580	4.0	
128	245	13.28	555	4.7	JRTR19DN71S4 JRTRF19DN71S4
44	715	38.61	425	1.05	
47	670	36.20	425	1.10	
53	590	31.94	415	1.25	
60	525	28.32	405	1.45	
71	445	24.07	395	1.70	
208	151	15.84	305	5.0	JRTR19DN71S2 JRTRF19DN71S2
238	132	13.84	295	5.7	
254	124	12.98	290	6.1	
288	109	11.45	280	6.5	
325	97	10.15	270	7.0	
382	82	8.63	255	7.7	
437	72	7.55	245	6.9	
469	67	7.04	240	7.2	
537	59	6.15	230	8.1	
572	55	5.76	225	8.5	
649	49	5.09	215	9.3	
732	43	4.51	210	9.9	
861	37	3.83	199	11	JRTR19DN71M4 JRTRF19DN71M4
67	465	25.23	400	1.60	
73	425	23.15	390	1.75	
86	365	19.71	380	2.1	
100	315	16.99	365	2.4	
107	290	15.84	360	2.6	
123	255	13.84	350	2.9	
131	240	12.98	345	3.1	
148	210	11.45	335	3.4	
167	188	10.15	325	3.6	
197	160	8.63	310	4.0	
225	140	7.55	290	3.5	
242	131	7.04	285	3.7	
276	114	6.15	275	4.2	
295	107	5.76	270	4.4	
334	94	5.09	260	4.8	
377	84	4.51	255	5.1	
443	71	3.83	240	5.6	JRTRX69DN71M4 JRTRXF69DN71M4
280	113	6.07	880	3.4	
328	96	5.18	840	6.9	
376	84	4.53	800	8.6	
395	80	4.30	790	8.9	
451	70	3.77	755	11	
531	59	3.20	720	15	
588	54	2.89	695	18	
669	47	2.54	665	22	
708	45	2.40	655	24	
832	38	2.04	620	31	JRTRX59DN71M4 JRTRXF59DN71M4
309	102	5.50	695	3.4	
336	94	5.07	675	3.4	
391	81	4.35	645	7.5	
449	70	3.79	615	8.7	
479	66	3.55	605	9.3	
542	58	3.14	580	9.9	
584	54	2.91	565	11	
644	49	3.64	550	12	
717	44	2.37	530	14	
833	38	2.04	505	16	
885	36	1.92	495	17	
1030	31	1.65	470	20	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.5}$ [lbf]	Service factor f_s	Model
0.75HP					
0.28	138100	6077	27000	1.15	JRTR169R99DN80S4 JRTRF169R99DN80S4
0.31	122900	5407	27000	1.30	
0.36	104100	4650	27000	1.55	
0.41	90100	4129	27000	1.75	
0.39	104900	4325	14800	1.10	JRTR149R79DN80S4 JRTRF149R79DN80S4
0.45	91900	3754	15100	1.25	
0.51	80100	3302	15500	1.45	
0.58	70000	2898	15800	1.65	
0.66	63600	2555	16000	1.80	
0.76	55000	2211	16200	2.1	JRTR149R79DN80S4 JRTRF149R79DN80S4
0.87	48600	1951	16300	2.4	
0.99	41300	1705	16400	2.8	
1.1	36900	1536	16500	3.1	
1.3	32000	1329	16600	3.6	
1.4	27700	1166	16600	4.1	JRTR139R79DN80S4 JRTRF139R79DN80S4
0.68	61900	2484	12400	1.15	
0.64	66200	2658	12200	1.05	JRTR139R79DN80S4 JRTRF139R79DN80S4
0.70	60100	2412	12500	1.20	
0.82	51600	2073	12900	1.35	
0.92	45000	1839	13100	1.55	
1.1	38400	1596	13300	1.85	
1.2	34600	1397	13400	2.0	JRTR109R79DN80S4 JRTRF109R79DN80S4
1.4	30100	1226	13500	2.4	
1.6	27000	1090	13600	2.6	
1.8	23500	951	13600	3.0	
2.0	20000	831	13700	3.5	
1.2	34400	1407	7080	1.10	JRTR109R79DN80S4 JRTRF109R79DN80S4
1.4	29500	1209	7590	1.30	
1.6	25800	1055	7910	1.45	
1.8	22500	919	8110	1.70	
2.1	20100	815	8190	1.90	
2.4	17600	717	8260	2.2	JRTR99R59DN80S4 JRTRF99R59DN80S4
2.7	15300	626	8320	2.5	
1.2	34200	1400	7100	1.10	
1.4	29700	1226	7570	1.30	
1.5	26500	1104	7850	1.45	
1.8	22900	939	8100	1.65	JRTR89R59DN80S4 JRTRF89R59DN80S4
2.1	19900	822	8200	1.90	
2.0	20500	824	4730	1.30	
2.3	18300	737	5380	1.45	
2.7	15700	632	6110	1.70	
3.0	13600	560	6200	1.95	JRTR79R39DN80S4 JRTRF79R39DN80S4
3.5	11800	484	6260	2.2	
3.9	10800	431	6290	2.5	
4.5	9460	379	6330	2.8	
5.0	8440	336	6350	3.1	
5.7	7380	296	6370	3.6	JRTR79R39DN80S4 JRTRF79R39DN80S4
6.8	6120	249	6400	4.3	
3.2	12900	525	3090	1.05	
3.7	11300	456	4170	1.20	
4.2	9760	398	4360	1.40	
4.8	8660	352	4470	1.60	JRTR89R59DN80S4 JRTRF89R59DN80S4
5.5	7430	305	4490	1.85	
3.6	12100	472	4060	1.15	
4.2	10200	400	4310	1.35	
4.7	9180	361	4420	1.50	
6.1	7090	276	2270	1.00	JRTR79R39DN80S4 JRTRF79R39DN80S4
7.2	6030	236	2480	1.20	
7.6	5630	221	2550	1.30	
9.1	4710	186	2680	1.55	JRTR79R39DN80S4 JRTRF79R39DN80S4



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
0.75HP					
3.9	12200	289.74	6250	2.2	JRTR99DN80S6 JRTRF99DN80S6
4.4	10700	255.71	6290	2.5	
4.6	10100	241.25	6310	2.6	
5.2	9130	216.28	6340	2.9	
5.8	8100	289.74	6360	3.3	JRTR99DN80S4 JRTRF99DN80S4
6.6	7150	255.71	6380	3.7	
7.0	6750	241.25	6380	3.9	
7.8	6050	216.28	6400	4.4	
4.5	10400	246.54	4030	1.30	JRTR89DN80S6 JRTRF89DN80S6
5.2	9140	216.54	4430	1.50	
5.4	8680	205.71	4470	1.60	
6.2	7670	181.77	4490	1.80	
7.2	6550	155.34	4490	2.1	JRTR89DN80S4 JRTRF89DN80S4
6.8	6890	246.54	4490	2.0	
7.8	6050	216.54	4490	2.3	
8.2	5750	205.71	4490	2.4	
9.3	5080	181.77	4490	2.7	
11	4340	155.34	4490	3.2	
12	3980	142.41	4490	3.4	
14	3490	124.97	4490	3.9	
14	3310	118.43	4490	4.1	JRTR79DN80S4 JRTRF79DN80S4
16	2900	103.65	4490	4.7	
10	4660	166.59	2680	1.55	
12	4070	145.67	2750	1.80	
12	3870	138.39	2770	1.85	
14	3390	121.42	2820	2.1	
16	2880	102.99	2860	2.5	
18	2600	92.97	2880	2.8	
21	2280	81.80	2900	3.2	JRTR69DN80S4 JRTRF69DN80S4
22	2160	77.24	2910	3.4	
26	1840	65.77	2920	3.9	
11	4420	158.14	1930	1.20	
12	3850	137.67	2040	1.40	
13	3600	128.97	2090	1.45	
15	3180	113.94	2150	1.65	
16	2960	105.83	2180	1.80	
18	2680	95.91	2220	2.0	JRTR59DN80S4 JRTRF59DN80S4
20	2400	86.11	2250	2.2	
23	2070	74.17	2280	2.6	
24	1950	69.75	2290	2.7	
28	1710	61.26	2310	3.1	
30	1590	56.89	2320	3.3	
14	3370	120.63	1660	1.20	
16	2980	106.58	1690	1.35	JRTR49DN80S4 JRTRF49DN80S4
17	2760	98.99	1710	1.45	
19	2510	89.71	1720	1.60	
21	2250	80.55	1740	1.75	
24	1930	69.23	1680	2.1	
26	1810	64.85	1650	2.2	
30	1600	57.29	1590	2.5	
32	1480	53.22	1560	2.7	JRTR39DN80S4 JRTRF39DN80S4
35	1340	48.23	1520	3.0	
39	1210	43.30	1470	3.3	
45	1040	37.30	1410	3.8	
48	980	35.07	1390	4.1	
64	735	26.31	1280	5.4	
68	695	24.99	1260	5.7	
77	610	21.93	1210	6.5	JRTR29DN80S4 JRTRF29DN80S4
91	520	18.60	1150	7.7	
18	2620	93.68	1140	1.00	
20	2370	84.90	1250	1.10	
22	2130	76.23	1280	1.25	
25	1910	68.54	1300	1.40	
26	1790	64.21	1290	1.50	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
0.75HP					
30	1580	56.73	1250	1.65	JRTR49DN80S4 JRTRF49DN80S4
32	1470	52.69	1220	1.80	
35	1330	47.75	1190	2.0	
39	1190	42.87	1160	2.2	
46	1030	36.93	1110	2.6	
49	970	34.73	1090	2.7	
57	830	29.88	1050	3.2	
63	745	26.74	1020	3.5	JRTR39DN80S4 JRTRF39DN80S4
73	650	23.28	980	4.1	
78	610	21.81	960	4.3	
28	1710	61.18	990	1.05	
30	1560	55.76	1100	1.15	
35	1340	48.08	1130	1.30	
38	1250	44.81	1110	1.40	
43	1090	39.17	1080	1.60	JRTR29DN80S4 JRTRF29DN80S4
46	1020	36.72	1060	1.70	
52	900	32.40	1030	1.95	
59	800	28.73	990	2.2	
69	680	24.42	950	2.6	
76	620	22.27	930	2.8	
88	540	19.31	890	3.3	
94	500	18.05	870	3.5	JRTR19DN80S4 JRTRF19DN80S4
108	435	15.60	840	4.0	
128	370	13.25	800	4.5	
143	330	11.83	770	4.9	
43	1090	39.25	705	1.05	
46	1020	36.79	695	1.10	
52	900	32.47	675	1.25	
59	800	28.78	660	1.45	JRTR19DN71M2 JRTRF19DN71M2
69	680	24.47	635	1.70	
76	620	22.32	620	1.85	
87	540	19.35	595	2.1	
93	505	18.08	585	2.3	
108	435	15.63	565	2.6	
127	370	13.28	540	3.1	
143	330	11.86	525	3.4	JRTR19DN71M2 JRTRF19DN71M2
167	280	10.13	500	3.8	
180	260	9.41	485	4.1	
207	225	8.16	465	4.5	
222	210	7.63	455	4.6	
256	184	6.59	435	5.1	
302	157	5.60	415	5.6	
338	140	5.00	405	6.0	JRTR19DN71M2 JRTRF19DN71M2
396	120	4.27	385	6.4	
422	112	4.00	375	6.7	
502	94	3.37	355	7.4	
86	550	19.71	345	1.35	
99	475	16.99	340	1.60	
107	440	15.84	335	1.70	
122	385	13.84	325	1.95	
130	360	12.98	320	2.1	JRTR19DN71M2 JRTRF19DN71M2
148	320	11.45	315	2.2	
166	280	10.15	305	2.4	
196	240	8.63	295	2.6	
224	210	7.55	275	2.4	
240	197	7.04	270	2.5	
275	172	6.15	265	2.8	
293	161	5.76	260	2.9	JRTR19DN71M2 JRTRF19DN71M2
332	142	5.09	250	3.2	
375	126	4.51	245	3.4	
441	107	3.83	235	3.7	
396	119	8.63	245	5.3	
453	104	7.55	235	4.8	
486	97	7.04	230	5.0	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
0.75HP					
556	85	6.15	220	5.6	JRTR19DN71M2 JRTRF19DN71M2
593	80	5.76	215	5.9	
672	70	5.09	210	6.4	
758	62	4.51	200	6.8	
892	53	3.83	193	7.5	
326	145	5.18	830	4.6	JRTRX69DN80S4 JRTRXF69DN80S4
373	127	4.53	800	5.7	
393	120	4.30	785	5.9	
448	106	3.77	755	7.3	
528	90	3.20	715	9.9	
585	81	2.89	690	12	
665	71	2.54	665	15	
704	67	2.40	650	16	
827	57	2.04	620	21	
910	52	1.86	600	21	
1050	45	1.61	570	22	
388	122	4.35	640	4.9	JRTRX59DN80S4 JRTRXF59DN80S4
446	106	3.79	610	5.8	
476	99	3.55	600	6.2	
539	88	3.14	575	6.5	
580	81	2.91	560	7.3	
640	74	2.64	545	8.3	
713	66	2.37	525	9.2	
828	57	2.04	500	11	
880	54	1.92	490	11	
1025	46	1.65	470	13	
1145	41	1.48	450	15	
1295	37	1.30	435	15	
1.0HP					
0.38	138400	4050	27000	1.15	JRTR169R99DN80M4 JRTRF169R99DN80M4
0.42	120500	4129	27000	1.30	
0.47	105500	3692	27000	1.50	
0.66	82200	2657	27000	1.95	JRTR169R99DN80M4 JRTRF169R99DN80M4
0.75	70200	2333	27000	2.3	
0.84	61600	2085	27000	2.6	
0.93	54300	1877	27000	2.9	
1.2	44500	1438	27000	3.6	
0.53	104700	3302	14600	1.10	JRTR149R79DN80M4 JRTRF149R79DN80M4
0.60	91600	2898	15100	1.25	
0.69	82800	2555	15400	1.40	JRTR149R79DN80M4 JRTRF149R79DN80M4
0.79	71700	2211	15800	1.60	
0.90	63200	1951	16000	1.80	
1.0	54100	1705	16200	2.1	
1.1	48500	1536	16300	2.4	
1.3	41900	1329	16400	2.7	
1.5	36500	1166	16500	3.1	
0.94	59600	1863	12500	1.20	JRTR139R79DN80M4 JRTRF139R79DN80M4
1.1	50300	1586	12900	1.40	
1.3	45100	1391	13100	1.55	
1.4	40500	1256	13200	1.75	
1.6	35400	1105	13400	2.0	
1.7	33300	1043	13400	2.1	
2.0	28200	888	13500	2.5	
0.84	67200	2073	12200	1.05	JRTR139R79DN80M4 JRTRF139R79DN80M4
0.95	58800	1839	12600	1.20	
1.1	50400	1598	12900	1.40	
1.2	45100	1397	13100	1.55	
1.4	39300	1226	13300	1.80	
1.6	35200	1090	13400	2.0	
1.8	30700	951	13500	2.3	
2.1	26200	831	13600	2.7	
2.4	22800	730	13600	3.1	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
1.0HP					
1.7	33700	1055	7160	1.15	JRTR109R79DN80M4 JRTRF109R79DN80M4
1.9	29400	919	7590	1.30	
2.1	26300	815	7870	1.45	
2.4	23000	717	8100	1.65	
2.8	20000	626	8190	1.90	
3.3	16500	528	8290	2.3	JRTR109R79DN80M4 JRTRF109R79DN80M4
1.6	34800	1104	7030	1.10	
1.9	30000	939	7540	1.25	
2.1	26000	822	7890	1.45	
2.9	19000	614	8220	2.0	
3.2	16700	544	8290	2.3	
3.6	15100	492	8330	2.5	
4.2	12800	417	8380	3.0	
4.8	11600	369	8400	3.3	
5.4	10100	323	8420	3.8	
3.7	15300	469	8320	2.5	JRTR109R79DN80M4 JRTRF109R79DN80M4
4.1	13900	426	8350	2.7	
2.3	24300	755	5080	1.10	JRTR99R59DN80M4 JRTRF99R59DN80M4
2.4	23900	737	3720	1.10	
2.8	20500	632	5620	1.30	JRTR99R59DN80M4 JRTRF99R59DN80M4
3.1	17800	560	5910	1.50	
3.6	15500	484	6120	1.70	
4.1	14000	431	6180	1.90	
4.6	12300	379	6250	2.2	
5.2	10900	336	6290	2.4	
5.9	9610	296	6320	2.8	
7.0	7990	249	6360	3.3	
2.8	20900	625	5570	1.25	JRTR89R59DN80M4 JRTRF89R59DN80M4
3.2	18200	549	5870	1.45	
3.8	15400	466	6130	1.70	
4.2	13800	520	6190	1.90	
4.7	12100	370	6250	2.2	
5.0	11400	349	6270	2.3	
5.9	9690	297	6320	2.7	
6.5	8770	270	6340	3.0	
4.4	12700	398	3960	1.05	JRTR89R59DN80M4 JRTRF89R59DN80M4
5.0	11300	352	4170	1.20	
5.7	9730	305	4360	1.40	
6.5	8610	268	4480	1.60	
7.4	7600	236	4490	1.80	
8.4	6610	209	4490	2.1	
4.4	13200	400	3880	1.05	JRTR89R59DN80M4 JRTRF89R59DN80M4
4.8	11900	361	4090	1.15	
5.8	9840	300	4350	1.40	
6.8	8330	256	4490	1.65	
7.5	7540	232	4490	1.80	
9.0	6430	195	4490	2.1	
8.9	6390	197	2410	1.15	JRTR79R39DN80M4 JRTRF79R39DN80M4
10	5560	169	2560	1.30	
12	4870	149	2660	1.50	
9.4	6130	186	2460	1.20	
11	5130	158	1750	1.05	JRTR69R39DN80M4 JRTRF69R39DN80M4
4.6	13800	255.71	6190	1.90	
4.8	13000	241.25	6220	2.0	
5.4	11600	216.28	6260	2.3	
6.2	10000	186.30	6310	2.6	
6.8	9190	170.02	6330	2.9	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
6.0	10400	289.74	6300	2.5	JRTR99DN80M4 JRTRF99DN80M4
6.8	9200	255.71	6330	2.9	
7.3	8680	241.25	6350	3.1	
8.1	7780	216.28	6370	3.4	
9.4	6700	186.30	6390	4.0	
10	6110	170.02	6400	4.3	
5.4	11700	216.54	3550	1.15	JRTR89DN90S6 JRTRF89DN90S6
5.7	11100	205.71	3770	1.25	
6.4	9830	181.77	4240	1.40	
7.5	8400	155.34	4490	1.65	
8.2	7700	142.41	4490	1.80	
9.3	6750	124.97	4490	2.0	
9.8	6400	118.43	4490	2.1	JRTR89DN80M4 JRTRF89DN80M4
11	5600	103.56	4490	2.5	
12	5050	93.38	4490	2.7	
7.1	8870	246.54	4450	1.55	
8.1	7790	216.54	4490	1.75	
8.5	7400	205.71	4490	1.85	
9.6	6540	181.77	4490	2.1	JRTR79DN90S6 JRTRF79DN90S6
11	5580	155.34	4490	2.5	
12	5120	142.41	4490	2.7	
14	4490	124.97	4490	3.0	
15	4260	118.43	4490	3.2	
17	3720	103.65	4490	3.7	
19	3360	93.38	4490	4.1	JRTR79DN80M4 JRTRF79DN80M4
9.6	6560	121.42	2380	1.10	
11	5560	102.99	2580	1.30	
13	5020	92.97	2640	1.45	
14	4420	81.80	2710	1.65	
15	4170	77.24	2740	1.75	
18	3550	65.77	2800	2.0	JRTR69DN90S6 JRTRF69DN90S6
20	3110	57.68	2840	2.3	
22	2810	52.07	2870	2.6	
25	2470	45.81	2890	2.9	
11	5990	166.59	2490	1.20	
12	5240	145.67	2610	1.40	JRTR49DN80M4 JRTRF49DN80M4
13	4970	138.39	2640	1.45	
14	4360	121.42	2720	1.65	
17	3700	102.99	2790	1.95	
19	3340	92.97	2820	2.2	
21	2940	81.80	2860	2.5	
23	2770	77.24	2870	2.6	JRTR39DN90S6 JRTRF39DN90S6
27	2360	65.77	2890	3.1	
30	2070	57.68	2910	3.5	
34	1870	52.07	2920	3.9	
38	1640	45.81	2920	4.4	
40	1550	43.26	2920	4.7	JRTR29DN80M4 JRTRF29DN80M4
12	5180	95.91	1730	1.00	
14	4650	86.11	1870	1.15	
16	4010	74.17	2010	1.30	
17	3770	69.75	2060	1.40	
19	3310	61.26	2130	1.60	
20	3070	56.89	2170	1.75	JRTR19DN80M4 JRTRF19DN80M4
23	2780	51.56	2200	1.90	
25	2500	46.29	2240	2.1	
29	2150	39.88	2270	2.4	
31	2020	37.50	2280	2.5	
36	1740	32.27	2310	2.7	
40	1550	28.83	2320	3.0	JRTR9DN80M4 JRTRF9DN80M4
13	4950	137.67	1800	1.05	
14	4640	128.97	1880	1.15	
15	4090	113.94	2000	1.30	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
17	3800	105.83	2050	1.40	JRTR59DN80M4 JRTRF59DN80M4
18	3450	95.91	2110	1.55	
20	3090	86.11	2160	1.70	
24	2660	74.17	2220	2.0	
25	2500	69.75	2240	2.1	
29	2200	61.26	2270	2.4	
31	2040	56.89	2280	2.6	JRTR59DN90S6 JRTRF59DN90S6
34	1850	51.56	2300	2.9	
38	1660	46.29	2310	3.2	
17	3740	69.23	1620	1.05	
18	3500	64.85	1640	1.15	
20	3090	57.29	1680	1.30	
22	2870	53.22	1680	1.40	JRTR59DN80M4 JRTRF59DN80M4
24	2600	48.23	1620	1.55	
27	2340	43.30	1580	1.70	
31	2010	37.30	1520	1.95	
33	1890	35.07	1500	2.1	
39	1630	30.18	1440	2.4	JRTR59DN80M4 JRTRF59DN80M4
43	1450	26.97	1400	2.7	
16	3830	106.58	1610	1.05	
18	3560	98.99	1640	1.10	
20	3220	89.71	1670	1.25	
22	2890	80.55	1660	1.35	JRTR59DN80M4 JRTRF59DN80M4
25	2490	69.23	1600	1.60	
27	2330	64.85	1580	1.70	
31	2060	57.29	1530	1.95	
33	1910	53.22	1500	2.1	
36	1730	48.23	1470	2.3	JRTR59DN80M4 JRTRF59DN80M4
40	1550	43.30	1420	2.6	
47	1340	37.30	1370	3.0	
50	1260	35.07	1350	3.1	
58	1080	30.18	1290	3.7	
65	970	26.97	1250	4.1	JRTR59DN80M4 JRTRF59DN80M4
67	940	26.31	1240	4.2	
70	890	24.99	1220	4.4	
80	785	21.93	1180	5.0	
94	665	18.60	1120	6.0	
24	2580	47.75	1170	1.05	JRTR49DN90S6 JRTRF49DN90S6
27	2310	42.87	1220	1.15	
32	1990	36.93	1180	1.35	
34	1870	34.73	1170	1.40	
39	1610	29.88	1130	1.65	
44	1440	26.70	1090	1.85	JRTR49DN80M4 JRTRF49DN80M4
49	1270	23.59	1060	2.1	
26	2460	68.54	1240	1.10	
27	2310	64.21	1220	1.15	
31	2040	56.73	1190	1.30	
33	1890	52.69	1170	1.40	JRTR49DN80M4 JRTRF49DN80M4
37	1710	47.75	1140	1.55	
41	1540	42.87	1110	1.70	
47	1320	36.93	1070	2.0	
50	1240	34.73	1050	2.1	
59	1070	29.88	1010	2.5	JRTR49DN80M4 JRTRF49DN80M4
66	960	26.70	980	2.8	
74	840	23.59	950	3.1	
65	960	26.74	980	2.8	
75	830	23.28	950	3.2	
80	780	21.81	930	3.4	JRTR39DN90S6 JRTRF39DN90S6
91	690	19.27	900	3.8	
98	640	17.89	880	4.0	
108	580	16.22	850	4.2	
41	1550	28.73	1050	1.15	
48	1320	24.42	1010	1.35	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
36	1720	48.08	980	1.00	JRTR39DN80M4 JRTRF39DN80M4
39	1610	44.81	1060	1.10	
45	1400	39.17	1030	1.25	
48	1320	36.72	1010	1.35	
54	1160	32.40	980	1.50	
61	1030	28.73	950	1.70	
72	870	24.42	920	2.0	
79	800	22.27	890	2.2	JRTR39DN80M4 JRTRF39DN80M4
91	690	19.31	860	2.5	
97	645	18.05	850	2.7	
112	560	15.60	810	3.1	
132	475	13.25	775	3.5	
148	425	11.83	750	3.8	
173	360	10.11	715	4.1	
185	340	9.47	705	4.3	JRTR29DN80M4 JRTRF29DN80M4
61	1030	28.78	620	1.10	
72	880	24.47	600	1.30	
78	800	22.32	590	1.45	
91	695	19.35	570	1.65	
97	650	18.08	560	1.75	
112	560	15.63	540	2.0	
132	475	13.28	520	2.4	JRTR29DN80M4 JRTRF29DN80M4
148	425	11.86	505	2.7	
173	360	10.13	485	3.0	
186	335	9.41	465	3.2	
215	290	8.16	450	3.5	
230	270	7.63	440	3.6	
266	235	6.59	425	4.0	
313	200	5.60	405	4.3	JRTR19DN80M4 JRTRF19DN80M4
350	180	5.00	390	4.7	
89	705	19.71	310	1.05	
103	610	16.99	310	1.25	
111	565	15.84	305	1.30	
126	495	13.84	300	1.50	
135	465	12.98	300	1.60	
153	410	11.45	295	1.75	JRTR19DN80M4 JRTRF19DN80M4
172	365	10.15	285	1.85	
203	310	8.63	280	2.0	
232	270	7.55	260	1.80	
249	250	7.04	255	1.90	
285	220	6.15	250	2.2	
304	205	5.76	245	2.3	
344	183	5.09	240	2.5	JRTR19DN80S2 JRTRF19DN80S2
388	162	4.51	235	2.6	
457	138	3.83	225	2.9	
176	355	19.71	285	2.1	
205	305	16.99	280	2.4	
219	285	15.84	275	2.6	
251	250	13.84	265	3.0	
268	235	12.98	260	3.2	JRTR19DN80S2 JRTRF19DN80S2
304	205	11.45	255	3.5	
342	184	10.15	250	3.7	
403	156	8.63	240	4.1	
461	137	7.55	225	3.6	
494	127	7.04	220	3.8	
565	111	6.15	215	4.3	
603	104	5.76	210	4.5	JRTR139R79DN90S4 JRTRF139R79DN90S4
683	92	5.09	205	4.9	
771	82	4.51	196	5.2	
907	69	3.83	188	5.7	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
338	186	5.18	820	3.6	JRTRX69DN80M4 JRTRXF69DN80M4
387	163	4.53	780	4.5	
407	155	4.30	770	4.6	
464	136	3.77	740	5.7	
547	115	3.20	700	7.7	
606	104	2.89	680	9.0	
689	91	2.54	650	11	
730	86	2.40	640	13	JRTRX59DN80M4 JRTRXF59DN80M4
857	74	2.04	605	16	
943	67	1.86	590	17	
1090	58	1.61	560	17	
402	157	4.35	625	3.8	
462	136	3.79	595	4.5	
493	128	3.55	585	4.8	
558	113	3.14	565	5.1	JRTRX59DN80M4 JRTRXF59DN80M4
601	105	2.91	550	5.7	
663	95	2.64	535	6.4	
739	85	2.37	515	7.2	
858	73	2.04	490	8.3	
912	69	1.92	480	8.8	
1060	59	1.65	460	10	
1185	53	1.48	445	11	JRTR169R99DN90S4 JRTRF169R99DN90S4
1340	47	1.30	425	12	
0.66	126400	2657	27000	1.25	
0.76	109000	2333	27000	1.45	
0.85	96200	2085	27000	1.65	
0.94	85400	1877	27000	1.85	
1.1	76000	1670	27000	2.1	
1.2	68400	1438	27000	2.3	JRTR149R79DN90S4 JRTRF149R79DN90S4
1.4	60800	1279	27000	2.6	
1.6	52400	1123	27000	3.0	
0.80	108400	2211	14400	1.05	
0.90	95700	1951	15000	1.20	
1.0	82400	1705	15400	1.40	
1.1	74000	1536	15700	1.55	
1.3	64000	1329	16000	1.80	JRTR139R79DN90S4 JRTRF139R79DN90S4
1.5	55900	1186	16200	2.1	
1.7	49000	1029	16300	2.3	
2.0	42600	889	16400	2.7	
2.2	37300	784	16500	3.1	
2.5	32900	695	16600	3.5	
1.3	68200	1391	12100	1.05	JRTR139R79DN90S4 JRTRF139R79DN90S4
1.4	61400	1256	12500	1.15	
1.6	53800	1105	12800	1.30	
1.7	50700	1043	12900	1.40	
2.0	42900	888	13200	1.65	
2.5	33500	699	13400	2.1	
2.9	29000	609	13500	2.4	
1.3	68300	1397	12100	1.05	JRTR139R79DN90S4 JRTRF139R79DN90S4
1.4	59700	1226	12500	1.20	
1.6	53300	1090	12800	1.35	
1.9	46500	951	13000	1.50	
2.1	40000	831	13200	1.75	
2.4	34900	730	13400	2.0	
2.8	29800	629	13500	2.4	JRTR139R79DN90S4 JRTRF139R79DN90S4
3.1	27100	560	13500	2.6	
3.6	23200	490	13600	3.0	
3.1	27900	564	13500	2.5	JRTR139R79DN90S4 JRTRF139R79DN90S4
3.4	25500	517	13600	2.8	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
1.5HP					
2.5	34900	717	7020	1.10	JRTR109R79DN90S4
2.8	30400	626	7500	1.25	JRTRF109R79DN90S4
3.3	25300	528	7950	1.50	
2.9	29200	614	7610	1.30	
3.2	25800	544	7910	1.45	
3.6	23300	492	8080	1.65	
4.2	19700	417	8200	1.90	JRTR109R79DN90S4
4.8	17700	369	8260	2.1	JRTRF109R79DN90S4
5.5	15500	323	8320	2.5	
6.2	13600	285	8360	2.8	
7.0	11900	253	8390	3.2	
3.8	23200	469	8090	1.65	
4.1	21100	426	8160	1.80	JRTR109R79DN90S4
4.7	18600	377	8240	2.0	JRTRF109R79DN90S4
5.4	15900	325	8310	2.4	
6.2	13900	284	8350	2.7	
3.6	23500	484	8820	1.15	
4.1	21200	431	8530	1.25	
4.7	18600	379	8830	1.45	
5.2	16500	336	8040	1.60	JRTR99R59DN90S4
6.0	14500	296	6170	1.85	JRTRF99R59DN90S4
7.1	12100	249	6250	2.2	
7.5	11200	234	6280	2.4	
8.4	10000	209	6310	2.6	
3.8	23200	466	5250	1.15	
4.2	20900	420	5560	1.25	
4.8	18300	370	5860	1.45	JRTR99R59DN90S4
5.0	17300	349	5970	1.55	JRTRF99R59DN90S4
5.9	14800	297	6160	1.80	
6.5	13300	270	6210	2.0	
7.8	11300	227	6280	2.4	
6.6	13000	268	3910	1.05	JRTR89R59DN90S4
7.5	11500	236	4140	1.20	JRTRF89R59DN90S4
8.4	10000	209	4320	1.35	
6.9	12600	256	3980	1.10	JRTR89R59DN90S4
7.6	11400	232	4160	1.20	JRTRF89R59DN90S4
9.0	9710	195	4370	1.40	
6.3	14800	186.30	6150	1.80	JRTR99DN90L6
					JRTRF99DN90L6
6.1	15500	289.74	6120	1.70	
6.9	13700	255.71	6200	1.95	
7.3	12900	241.25	6220	2.0	
8.2	11600	216.28	6270	2.3	JRTR99DN90S4
9.5	9990	186.30	6310	2.7	JRTRF99DN90S4
10	9110	170.02	6340	2.9	
12	8080	150.78	6360	3.3	
14	6790	126.75	6380	3.9	
15	6240	116.48	6390	4.2	
7.2	13200	246.54	3000	1.05	
8.1	11600	216.54	3590	1.20	
8.6	11000	205.71	3800	1.25	
9.7	9740	181.77	4270	1.40	
11	8330	155.34	4490	1.65	
12	7630	142.41	4490	1.80	
14	6700	124.97	4490	2.0	JRTR89DN90S4
15	6350	118.43	4490	2.2	JRTRF89DN90S4
17	5550	103.65	4490	2.5	
19	5000	93.38	4490	2.7	
22	4390	81.92	4490	3.1	
24	3890	72.57	4490	3.5	
28	3410	63.68	4490	4.0	
29	3230	60.35	4490	4.2	
33	2830	52.82	4490	4.8	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
1.5HP					
15	6510	121.42	2390	1.10	
17	5520	102.99	2560	1.30	
19	4980	92.97	2640	1.45	
22	4380	81.80	2720	1.65	
23	4140	77.24	2750	1.75	JRTR79DN90S4
27	3520	65.77	2810	2.1	JRTRF79DN90S4
31	3090	57.68	2840	2.4	
34	2790	52.07	2870	2.6	
38	2450	45.81	2890	3.0	
41	2320	43.26	2900	3.1	
48	1970	36.83	2880	3.7	
53	1790	33.47	2800	4.0	
18	5140	95.91	1750	1.05	
20	4610	86.11	1880	1.15	
24	3970	74.17	2020	1.35	
25	3740	69.75	2060	1.40	
29	3280	61.26	2140	1.60	JRTR69DN90S4
31	3050	56.89	2170	1.75	JRTRF69DN90S4
34	2760	51.56	2210	1.90	
38	2480	46.29	2240	2.1	
44	2130	39.88	2270	2.4	
47	2010	37.50	2290	2.5	
55	1730	32.27	2240	2.8	
61	1540	28.83	2170	3.0	
63	1500	28.13	2150	3.2	
66	1430	26.72	2120	3.3	JRTR69DN90S4
75	1250	23.44	2040	3.9	JRTRF69DN90S4
89	1060	19.89	1940	5.0	
25	3710	69.23	1490	1.05	
27	3470	64.85	1470	1.15	
31	3070	57.29	1440	1.30	
33	2850	53.22	1410	1.40	
37	2580	48.23	1380	1.55	JRTR59DN90S4
41	2320	43.30	1350	1.70	JRTRF59DN90S4
47	2000	37.30	1300	2.0	
50	1880	35.07	1290	2.1	
58	1610	30.18	1240	2.5	
65	1440	26.97	1200	2.8	
67	1410	26.31	1200	2.8	
70	1340	24.99	1180	3.0	JRTR59DN90S4
80	1170	21.93	1140	3.4	JRTRF59DN90S4
95	990	18.60	1090	4.0	
105	900	16.79	1060	4.4	
37	2560	47.75	1060	1.05	
41	2290	42.87	1040	1.15	
46	1980	36.93	1010	1.35	JRTR49DN90S4
51	1860	34.73	1000	1.45	JRTRF49DN90S4
59	1600	29.88	960	1.65	
66	1430	26.70	940	1.85	
75	1260	23.59	910	2.1	
66	1430	26.74	940	1.85	
76	1240	23.28	910	2.1	
81	1160	21.81	890	2.3	
91	1030	19.27	860	2.5	JRTR49DN90S4
98	950	17.89	850	2.7	JRTRF49DN90S4
109	860	16.22	830	2.8	
121	780	14.56	800	3.0	
140	670	12.54	770	3.3	
149	630	11.79	755	3.4	
174	540	10.15	725	3.7	
194	485	9.07	700	4.0	



Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load $F_{H_{\max}}$ lbf	Service factor f_s	Model
1.5HP					
54	1730	32.40	785	1.00	JRTR39DN90S4 JRTRF39N90S4
61	1540	28.73	850	1.15	
72	1300	24.42	860	1.35	
79	1190	22.27	840	1.50	JRTR39DN90S4 JRTRF39N90S4
91	1030	19.31	820	1.70	
98	960	18.05	810	1.85	
113	830	15.60	775	2.1	
133	710	13.25	745	2.4	
149	630	11.83	725	2.5	
174	540	10.11	695	2.8	
186	505	9.47	680	2.9	
221	425	7.97	650	3.2	
264	355	6.67	615	3.6	
311	300	5.67	585	4.1	JRTR29DN90S4 JRTRF29N90S4
348	270	5.06	570	4.4	
91	1030	19.35	525	1.10	
97	960	18.08	520	1.20	
113	830	15.63	505	1.35	
133	710	13.28	490	1.60	
149	635	11.86	475	1.80	
174	540	10.13	460	2.0	
187	500	9.41	440	2.1	
216	435	8.16	430	2.4	
231	405	7.63	420	2.4	JRTR29DN80M2 JRTRF29N80M2
267	350	6.59	405	2.6	
315	300	5.60	390	2.9	
352	265	5.00	380	3.1	
413	225	4.27	365	3.4	
440	210	4.00	355	3.5	
523	181	3.37	340	3.9	
156	605	22.32	470	1.90	
180	520	19.35	455	2.2	
193	490	18.08	450	2.4	
223	420	15.63	435	2.7	JRTR19DN80M2 JRTRF19N80M2
262	360	13.28	415	3.2	
294	320	11.86	405	3.5	
344	270	10.13	385	3.9	
370	255	9.41	375	4.2	
427	220	8.16	360	4.6	
457	205	7.63	355	4.8	
529	179	6.59	340	5.2	
622	152	5.60	325	5.8	
697	136	5.00	315	6.2	
816	116	4.27	300	6.7	JRTR19DN80M2 JRTRF19N80M2
871	108	4.00	295	6.9	
1035	91	3.37	280	7.7	
177	530	19.71	255	1.40	
205	460	16.99	250	1.65	
220	425	15.84	245	1.75	
252	375	13.84	245	2.0	
269	350	12.98	240	2.1	
304	310	11.45	235	2.3	
343	275	10.15	230	2.5	
404	230	8.63	225	2.7	JRTR139R79DN90L4 JRTRF139R79DN90L4
462	200	7.55	210	2.4	
495	191	7.04	205	2.5	
567	167	6.15	200	2.9	
605	156	5.76	198	3.0	
685	138	5.09	192	3.3	
773	122	4.51	187	3.5	
909	104	3.83	180	3.8	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{\max}}$ [lbf]	Service factor f_s	Model
1.5HP					
204	460	8.65	1720	2.6	JRTRX89DN90S4 JRTRXF89N90S4
275	340	6.41	1240	2.6	JRTRX79DN90S4 JRTRXF79N90S4
313	300	5.63	1190	3.2	
329	285	5.35	1170	3.2	
373	250	4.73	1120	4.3	
340	275	5.18	800	2.4	
389	240	4.53	765	3.0	JRTRX69DN90S4 JRTRXF69N90S4
410	230	4.30	755	3.1	
467	200	3.77	725	3.8	
551	172	3.20	690	5.2	
610	155	2.89	670	6.0	
693	136	2.54	645	7.7	
734	129	2.40	630	8.4	
862	110	2.04	600	11	
949	100	1.86	580	11	
1095	86	1.61	555	12	
1260	75	1.40	530	12	
405	230	4.35	610	2.6	JRTRX59DN90S4 JRTRXF59DN90S4
465	200	3.79	585	3.0	
496	190	3.55	575	3.2	
562	168	3.14	550	3.4	
605	156	2.91	540	3.8	
667	142	2.64	525	4.3	
743	127	2.37	505	4.8	
863	110	2.04	485	5.6	
918	103	1.92	475	5.9	
1065	89	1.65	455	6.9	
1195	79	1.48	435	7.6	
1350	70	1.30	420	8.0	
2.0HP					
0.76	147800	2333	27000	1.10	JRTR169R99DN90L4 JRTRF169R99DN90L4
0.85	130900	2085	27000	1.20	
0.94	116700	1877	27000	1.35	
1.1	103800	1670	27000	1.55	
1.2	92300	1438	27000	1.70	
1.4	82100	1279	27000	1.95	
1.8	71100	1123	27000	2.2	
1.8	63300	999	27000	2.5	
2.0	54500	861	27000	2.9	
4.1	27000	426	16600	4.2	JRTR149R89DN90L4 JRTRF149R89DN90L4
4.8	23300	368	16700	4.9	
1.0	110800	1705	14300	1.05	
1.1	99600	1536	14800	1.15	
1.3	86200	1329	15300	1.35	
1.5	75300	1166	15700	1.55	
1.7	66100	1029	15900	1.75	
2.0	57300	889	16100	2.0	
2.2	50400	784	16300	2.3	
2.5	44500	695	16400	2.6	JRTR149R79DN90L4 JRTRF149R79DN90L4
2.9	40200	619	16500	2.9	
3.2	36100	558	16500	3.2	
1.7	68000	1043	12100	1.05	
2.0	57700	888	12600	1.25	
2.5	45100	699	13100	1.55	
2.9	39100	609	13300	1.80	
1.6	71400	1090	12000	1.00	
1.9	62300	951	12400	1.15	
2.1	53900	831	12800	1.30	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{h0} [lbf]	Service factor f_s	Model
2.0HP					
2.4	47100	730	13000	1.50	JRTR139R79DN90L4 JRTRF139R79DN90L4
2.8	40200	629	13200	1.75	
3.1	36400	560	13300	1.95	
3.6	31400	490	13500	2.2	
4.1	27400	428	13500	2.6	
4.6	24800	381	13600	2.9	JRTR139R79DN90L4 JRTRF139R79DN90L4
5.5	21000	323	13600	3.4	
3.1	37400	564	13300	1.90	
3.4	34300	517	13400	2.1	
3.9	30000	453	13500	2.4	
4.7	24700	376	13600	2.9	JRTR109R79DN90L4 JRTRF109R79DN90L4
3.4	34100	528	7120	1.10	
3.2	34800	544	7030	1.10	
3.6	31500	492	7400	1.20	
4.2	26700	417	7840	1.40	
4.8	23900	369	8050	1.60	JRTR109R79DN90L4 JRTRF109R79DN90L4
5.5	20800	323	8170	1.80	
6.2	18300	285	8240	2.1	
7.0	16200	253	8300	2.4	
8.2	13700	214	8360	2.8	
3.8	31100	469	7430	1.20	JRTR109R79DN90L4 JRTRF109R79DN90L4
4.2	28300	426	7700	1.35	
4.7	24900	377	7980	1.50	
5.5	21400	325	8150	1.80	
6.2	18600	284	8240	2.0	
6.9	16700	256	8290	2.3	JRTR99R59DN90L4 JRTRF99R59DN90L4
8.0	14400	220	8340	2.6	
9.1	12500	193	8380	3.0	
4.7	24900	379	4990	1.05	
5.2	22100	336	5400	1.20	
6.0	19400	296	5740	1.35	JRTR99R59DN90L4 JRTRF99R59DN90L4
7.1	16200	249	6060	1.65	
7.6	15100	234	6140	1.75	
8.5	13500	209	6200	1.95	
4.8	24600	370	5040	1.10	
5.1	23200	349	5260	1.15	JRTR99R59DN90L4 JRTRF99R59DN90L4
5.9	19700	297	5710	1.35	
6.5	17800	270	5910	1.50	
7.8	15100	227	6140	1.75	
9.1	12900	195	3930	1.05	JRTR89R59DN90L4 JRTRF89R59DN90L4
4.7	26700	251.15	7830	1.40	JRTR109DN100L4 JRTRF109R59DN100L4
5.1	24500	229.95	8010	1.55	
5.8	21600	203.16	8140	1.75	
6.8	18300	172.34	8240	2.1	
7.4	16900	158.68	8280	2.2	
8.3	15100	141.83	8330	2.5	JRTR99DN90L4 JRTRF99R59DN90L4
6.9	18200	255.71	5430	1.45	
7.3	17200	241.25	5740	1.55	
8.2	15400	216.28	6130	1.70	
9.5	13200	186.30	6210	2.0	
10	12100	170.02	6250	2.2	JRTR99DN90L4 JRTRF99R59DN90L4
12	10700	150.78	6290	2.5	
14	9030	126.75	6340	2.9	
15	8300	116.48	6350	3.2	
17	7370	103.44	6370	3.6	
19	6590	92.48	6390	4.0	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{h0} [lbf]	Service factor f_s	Model
2.0HP					
9.7	12900	181.77	3090	1.05	JRTR89DN90L4 JRTRF89DN90L4
11	11000	155.34	3780	1.25	
12	10100	142.41	4120	1.35	
14	8910	124.97	4450	1.55	
15	8440	118.43	4490	1.60	
17	7390	103.65	4490	1.85	JRTR89DN90L4 JRTRF89DN90L4
19	6650	93.38	4490	2.1	
22	5840	81.92	4490	2.4	
24	5170	72.57	4490	2.6	
28	4540	63.68	4490	3.0	
29	4300	60.35	4490	3.2	JRTR79DN90L4 JRTRF79DN90L4
33	3760	52.82	4490	3.6	
37	3390	47.58	4450	4.0	
42	2970	41.74	4270	4.6	
48	2620	36.84	4110	5.2	
19	6630	92.97	2370	1.10	JRTR79DN90L4 JRTRF79DN90L4
22	5830	81.80	2510	1.25	
23	5500	77.24	2570	1.30	
27	4680	65.77	2680	1.55	
31	4110	57.68	2750	1.75	
34	3710	52.07	2790	1.95	JRTR79DN90L4 JRTRF79DN90L4
39	3260	45.81	2830	2.2	
41	3080	43.26	2840	2.4	
48	2620	36.83	2830	2.8	
53	2380	33.47	2750	3.0	
61	2060	29.00	2640	3.5	JRTR79DN90L4 JRTRF79DN90L4
70	1790	25.23	2530	3.8	
76	1660	23.37	2470	4.3	
82	1520	21.43	2410	4.8	
94	1340	18.80	2320	5.2	
25	4970	69.75	1790	1.05	JRTR69DN90L4 JRTRF69DN90L4
29	4360	61.26	1940	1.20	
31	4050	56.89	2010	1.30	
34	3670	51.56	2070	1.45	
38	3300	46.29	2140	1.60	
44	2840	39.88	2200	1.80	JRTR69DN90L4 JRTRF69DN90L4
47	2670	37.50	2220	1.90	
55	2300	32.27	2190	2.1	
61	2050	28.83	2120	2.2	
63	2000	28.13	2110	2.4	
66	1900	26.72	2080	2.5	JRTR69DN90L4 JRTRF69DN90L4
75	1670	23.44	2000	3.0	
89	1410	19.89	1910	3.7	
98	1280	17.95	1850	4.1	
33	3790	53.22	1330	1.05	JRTR59DN90L4 JRTRF59DN90L4
37	3430	48.23	1310	1.15	
41	3080	43.30	1280	1.30	
47	2650	37.30	1240	1.50	
50	2500	35.07	1230	1.60	
59	2150	30.18	1190	1.85	JRTR59DN90L4 JRTRF59DN90L4
66	1920	26.97	1160	2.1	
67	1870	26.31	1150	2.1	
71	1780	24.99	1140	2.2	
81	1560	21.93	1100	2.5	
95	1320	18.60	1060	3.0	JRTR59DN90L4 JRTRF59DN90L4
105	1190	16.79	1030	3.3	
120	1050	14.77	1000	3.6	
127	990	13.95	980	3.8	
149	840	11.88	940	4.2	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
2.0HP					
48	2630	36.93	950	1.00	JRTR49DN90L4 JRTRF49DN90L4
51	2470	34.73	940	1.05	
59	2130	29.88	910	1.25	
66	1900	26.70	890	1.40	
75	1680	23.59	870	1.60	
76	1660	23.28	870	1.60	JRTR49DN90L4 JRTRF49DN90L4
81	1550	21.81	860	1.70	
92	1370	19.27	830	1.90	
99	1270	17.89	820	2.0	
109	1150	16.22	800	2.1	
121	1030	14.56	775	2.3	
141	890	12.54	750	2.5	
150	840	11.79	735	2.6	
174	720	10.15	705	2.8	
195	645	9.07	685	3.0	
221	570	8.01	665	3.2	
228	550	7.76	650	2.6	
254	495	6.96	630	2.8	
295	425	6.00	605	3.2	
313	400	5.64	595	3.4	
364	345	4.85	570	3.8	
407	305	4.34	550	4.2	
461	270	3.83	530	4.7	
72	1740	24.42	600	1.00	JRTR39DN90L4 JRTRF39DN90L4
92	1370	19.31	720	1.30	JRTR39DN90L4 JRTRF39DN90L4
98	1280	18.05	750	1.40	
113	1110	15.60	745	1.60	
133	940	13.25	715	1.80	
149	840	11.83	700	1.90	
175	720	10.11	670	2.1	
187	675	9.47	660	2.2	
222	565	7.97	635	2.4	
265	475	6.67	600	2.7	
312	400	5.67	575	3.1	
349	360	5.06	555	3.3	JRTR39DN90S2 JRTRF39DN90S2
409	305	4.32	530	3.6	
437	285	4.05	520	3.7	
518	240	3.41	495	4.1	
526	235	6.67	495	5.3	
619	200	5.67	470	6.2	JRTR29DN90L4 JRTRF29DN90L4
693	182	5.06	455	6.6	
811	155	4.32	435	7.2	
866	145	4.05	425	7.4	
1030	123	3.41	405	8.1	
113	1110	15.63	470	1.05	JRTR29DN90S2 JRTRF29DN90S2
133	940	13.28	460	1.20	
149	840	11.86	450	1.35	
174	720	10.13	435	1.50	
217	580	8.16	405	1.75	
232	540	7.63	400	1.80	
268	470	6.59	390	2.0	
316	395	5.60	375	2.2	
353	355	5.00	365	2.4	
414	300	4.27	350	2.5	
442	285	4.00	345	2.6	JRTR29DN90S2 JRTRF29DN90S2
524	240	3.37	330	2.9	
532	235	6.59	330	4.0	
626	200	5.60	315	4.3	
701	180	5.00	305	4.7	
821	154	4.27	295	5.0	
876	144	4.00	285	5.2	
1040	121	3.37	275	5.8	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
2.0HP					
232	540	7.63	1640	2.4	JRTRX89DN90L4
245	510	7.20	1610	2.4	JRTRXF89DN90L4
314	400	5.63	1170	2.4	JRTRX79DN90L4 JRTRXF79DN90L4
330	380	5.35	1150	2.4	
374	335	4.73	1110	3.2	
437	285	4.04	1060	4.4	
477	260	3.70	1030	5.1	
544	230	3.25	990	7.0	JRTRX69DN90L4 JRTRXF69DN90L4
574	215	3.08	970	7.8	
656	192	2.70	930	9.9	
728	173	2.43	900	11	
390	320	4.53	755	2.2	
411	305	4.30	745	2.3	JRTRX59DN90L4 JRTRXF59DN90L4
468	265	3.77	715	2.9	
552	225	3.20	680	3.9	
612	205	2.89	660	4.5	
695	181	2.54	635	5.8	
736	171	2.40	625	6.4	JRTRX49DN90L4 JRTRXF49DN90L4
865	146	2.04	595	8.1	
951	132	1.86	575	8.4	
1100	115	1.61	550	8.8	
1260	100	1.40	525	9.2	
466	270	3.79	570	2.3	JRTRX39DN90L4 JRTRXF39DN90L4
498	250	3.55	560	2.4	
563	220	3.14	540	2.6	
607	205	2.91	530	2.9	
669	188	2.64	515	3.2	
745	169	2.37	500	3.6	JRTRX29DN90L4 JRTRXF29DN90L4
865	146	2.04	475	4.2	
920	137	1.92	470	4.5	
1070	118	1.65	445	5.2	
1195	105	1.48	430	5.7	
1355	93	1.30	415	6.0	JRTRX19DN90L4 JRTRXF19DN90L4
3.0HP					
1.1	157700	1674	27000	1.00	JRTR169R109DN100S4 JRTRF169R109DN100S4
1.2	138000	1485	27000	1.15	
1.3	123400	1342	27000	1.30	
1.4	114400	1229	27000	1.40	
1.6	102200	1111	27000	1.55	
1.9	90200	950	27000	1.75	JRTR149R109DN100S4 JRTRF149R109DN100S4
2.0	81000	860	27000	1.95	
2.3	70900	763	27000	2.2	
2.6	63400	690	27000	2.5	
1.1	160300	1670	27000	1.00	
1.2	141000	1438	27000	1.15	JRTR129R109DN100S4 JRTRF129R109DN100S4
1.4	125400	1279	27000	1.25	
1.6	109200	1123	27000	1.45	
1.8	97100	999	27000	1.65	
2.0	83700	861	27000	1.90	
2.3	74100	760	27000	2.1	JRTR109R109DN100S4 JRTRF109R109DN100S4
2.7	61400	656	27000	2.6	
3.3	51100	533	16300	2.2	
3.8	43900	462	16400	2.6	
4.1	41500	426	16400	2.8	
4.8	35800	368	16500	3.2	JRTR149R89DN100S4 JRTRF149R89DN100S4
5.4	31700	326	16600	3.6	
1.5	114700	1166	14100	1.00	
1.7	101000	1029	14700	1.15	
2.0	87400	889	15300	1.30	
2.2	76900	784	15600	1.50	JRTR149R79DN100S4 JRTRF149R79DN100S4
2.5	68000	695	15900	1.70	
2.8	61200	619	16000	1.90	
3.2	55000	558	16200	2.1	
3.6	48100	489	16300	2.4	
4.2	40800	415	16400	2.8	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
3.0HP					
2.5	68800	699	12100	1.05	JRTR139R79DN100S4
2.9	59700	609	12500	1.20	JRTRF139R79DN100S4
2.4	71700	730	11900	1.00	JRTR139R79DN100S4 JRTRF139R79DN100S4
2.8	61500	629	12500	1.15	
3.1	55300	560	12700	1.30	
3.6	48000	490	13000	1.45	
4.1	41900	428	13200	1.70	
4.6	37700	381	13300	1.90	
5.5	31900	323	13400	2.2	
6.0	28700	291	13500	2.5	
6.9	25100	255	13600	2.8	JRTR89DN100S4 JRTRF89DN100S4
7.9	22000	223	13600	3.2	
3.1	56800	564	12700	1.25	JRTR139R79DN100S4 JRTRF139R79DN100S4
3.4	52000	517	12900	1.35	
3.9	45500	453	13100	1.55	
4.7	37600	376	13300	1.90	
5.2	33800	339	13400	2.1	
5.9	29600	297	13500	2.4	
4.8	36300	369	6840	1.05	JRTR109R79DN100S4 JRTRF109R79DN100S4
5.5	31800	323	7360	1.20	
6.2	28000	285	7730	1.35	
7.0	24700	253	7990	1.55	
8.2	20900	214	8160	1.80	JRTR109R79DN100S4 JRTRF109R79DN100S4
9.4	18300	187	8250	2.1	
4.7	37800	377	6640	1.00	
5.4	32500	325	7290	1.15	
6.2	28400	284	7690	1.35	
6.9	25500	256	7930	1.50	
8.0	21900	220	8130	1.75	
9.1	19100	193	8220	2.0	
10	17200	172	8270	2.2	JRTR99R59DN100S4 JRTRF99R59DN100S4
7.1	24700	249	5020	1.05	
7.5	23000	234	5280	1.15	
8.4	20600	209	5600	1.30	
7.8	22800	227	5300	1.15	JRTR99R59DN100S4 JRTRF99R59DN100S4
5.8	32500	203.16	7290	1.15	JRTR109DN112M6 JRTRF109DN112M6
6.8	27600	172.34	7760	1.40	
7.4	25400	158.68	7940	1.50	
8.3	22700	141.83	8110	1.65	JRTR109DN100S4 JRTRF109DN100S4
7.0	26900	251.15	7820	1.40	
7.7	24600	229.95	8000	1.55	
8.7	21700	203.16	8140	1.75	
10	18400	172.34	8240	2.1	
11	17000	158.68	8280	2.2	
12	15200	141.83	8330	2.5	
14	13600	127.68	8360	2.8	
15	12400	115.63	8380	3.1	
17	10900	102.53	8310	3.5	
19	9940	92.70	8070	3.8	
8.2	23200	216.28	3940	1.15	JRTR99DN100S4 JRTRF99DN100S4
9.5	19900	186.30	4900	1.35	
10	18200	170.02	5430	1.45	
12	16100	150.78	6050	1.65	
14	13500	128.75	6200	1.95	
15	12400	116.48	6240	2.1	
17	11000	103.44	6280	2.4	
19	9920	92.48	6320	2.7	
21	8910	83.15	6250	3.0	
24	7740	72.17	6000	3.4	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
3.0HP					
27	6990	65.21	5830	3.8	JRTR99DN100S4 JRTRF99DN100S4
29	6420	59.92	5680	4.1	
33	5700	53.21	5490	4.7	
37	5100	47.58	5310	5.2	
14	13400	124.97	2930	1.00	JRTR89DN100S4 JRTRF89DN100S4
15	12700	118.43	3190	1.10	
17	11100	103.65	3770	1.25	
19	10000	93.38	4170	1.35	
22	8780	81.92	4460	1.55	
24	7780	72.57	4490	1.75	
28	6830	63.68	4490	2.0	
29	6470	60.35	4490	2.1	
33	5660	52.82	4480	2.4	
37	5100	47.58	4350	2.7	
42	4470	41.74	4190	3.1	
48	3950	36.84	4040	3.5	JRTR79DN100S4 JRTRF79DN100S4
54	3500	32.66	3900	3.9	
51	3690	34.40	3960	3.6	
56	3360	31.40	3850	4.1	
63	2980	27.84	3720	4.6	
75	2510	23.40	3520	5.5	
82	2300	21.51	3440	5.8	
27	7050	65.77	2280	1.05	JRTR79DN100S4 JRTRF79DN100S4
31	6180	57.68	2450	1.15	
34	5580	52.07	2550	1.30	
38	4910	45.81	2650	1.50	
41	4640	43.26	2690	1.55	
46	3950	36.83	2730	1.85	
53	3590	33.47	2660	2.0	
61	3110	29.00	2560	2.3	
70	2700	25.23	2470	2.5	
75	2500	23.37	2410	2.9	
82	2290	21.43	2360	3.2	
94	2010	18.80	2270	3.4	
99	1910	17.82	2230	3.6	JRTR69DN100S4 JRTRF69DN100S4
113	1670	15.60	2150	3.9	
125	1500	14.05	2080	4.2	
38	4960	46.29	1800	1.05	
44	4270	39.88	1960	1.20	
47	4020	37.50	2010	1.25	
55	3460	32.27	2100	1.40	
61	3090	28.83	2040	1.50	
75	2510	23.44	1940	1.95	
89	2130	19.89	1850	2.5	
98	1920	17.95	1800	2.7	
112	1690	15.79	1740	2.9	JRTR59DN100S4 JRTRF59DN100S4
118	1590	14.91	1710	3.0	
139	1360	12.70	1640	3.4	
153	1230	11.54	1590	3.6	
176	1070	10.00	1530	3.9	
203	930	8.70	1460	4.2	
226	830	7.79	1420	4.0	
47	4000	37.30	1120	1.00	
50	3760	35.07	1110	1.05	
58	3230	30.18	1090	1.25	
65	2890	26.97	1070	1.40	
80	2350	21.93	1030	1.70	JRTR59DN100S4 JRTRF59DN100S4
95	1990	18.60	1000	2.0	
105	1800	16.79	980	2.2	
119	1580	14.77	950	2.4	
126	1490	13.95	940	2.5	
148	1270	11.88	900	2.8	
163	1150	10.79	880	3.0	
188	1000	9.35	850	3.3	
194	970	9.06	840	3.4	
221	850	7.97	810	3.7	



Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load $F_{R0.1}$ lbf	Service factor f_s	Model
3.0HP					
75	2530	23.59	790	1.05	JRTR49DN100S4 JRTRF49DN100S4
91	2060	19.27	770	1.25	JRTRX59DN100S4 JRTRXF59DN100S4
109	1730	16.22	745	1.40	
121	1560	14.56	730	1.50	
140	1340	12.54	705	1.65	
149	1260	11.79	700	1.70	
174	1080	10.15	675	1.85	
194	970	9.07	655	2.0	
220	850	8.01	635	2.1	
227	830	7.76	620	1.75	
253	745	6.96	605	1.90	
294	640	6.00	580	2.1	JRTR49DN100S4 JRTRF49DN100S4
312	605	5.64	575	2.3	
363	520	4.85	550	2.5	
406	465	4.34	535	2.8	
460	410	3.83	515	3.1	
113	1670	15.60	395	1.05	
133	1420	13.25	490	1.20	
149	1260	11.83	545	1.30	
174	1080	10.11	600	1.40	
186	1010	9.47	620	1.45	
221	850	7.97	600	1.60	JRTR39DN100S4 JRTRF39DN100S4
264	715	6.67	570	1.80	
311	605	5.67	545	2.1	
348	540	5.06	530	2.2	
408	460	4.32	510	2.4	
435	430	4.05	505	2.5	
517	365	3.41	480	2.7	
529	355	6.67	480	3.6	
622	300	5.67	455	4.1	
697	270	5.06	445	4.4	JRTR39DN90L2 JRTRF39DN90L2
816	230	4.32	425	4.8	
871	215	4.05	415	5.0	
1035	183	3.41	395	5.4	
174	1080	10.13	335	1.00	
267	705	6.59	320	1.35	
315	600	5.60	345	1.45	JRTR29DN100S4 JRTRF29DN100S4
352	535	5.00	340	1.55	
413	455	4.27	330	1.70	
440	425	4.00	325	1.75	
523	360	3.37	315	1.95	
462	405	7.63	320	2.4	
535	350	6.59	310	2.6	
629	300	5.60	300	2.9	JRTR29DN90L2 JRTRF29DN90L2
705	265	5.00	290	3.1	
825	225	4.27	280	3.4	
881	210	4.00	275	3.5	
1045	181	3.37	265	3.9	
373	505	4.73	1090	2.1	
436	430	4.04	1040	2.9	
476	395	3.70	1010	3.4	
542	345	3.25	970	4.6	JRTRX79DN100S4 JRTRXF79DN100S4
572	330	3.08	960	5.2	
654	285	2.70	920	6.6	
726	260	2.43	890	7.3	
827	225	2.13	860	7.7	
937	200	1.88	820	8.2	
1055	179	1.67	790	8.6	
1240	153	1.42	755	9.0	
467	400	3.77	695	1.90	JRTRX69DN100S4 JRTRXF69DN100S4
551	340	3.20	660	2.6	
610	305	2.89	645	3.0	
693	270	2.54	620	3.8	
734	255	2.40	610	4.2	
862	215	2.04	580	5.4	
949	199	1.86	565	5.6	
1095	173	1.61	540	5.8	
1260	150	1.40	520	6.1	

Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load $F_{R0.1}$ lbf	Service factor f_s	Model
3.0HP					
562	335	3.14	520	1.70	JRTRX59DN100S4 JRTRXF59DN100S4
667	280	2.64	495	2.2	
743	250	2.37	480	2.4	
863	215	2.04	460	2.8	
918	205	1.92	455	3.0	
1065	177	1.85	435	3.4	
1195	158	1.48	420	3.8	
1350	140	1.30	405	4.0	
4.0HP					
1.6	146900	1123	27000	1.10	JRTR169R99DN100L4 JRTRF169R99DN100L4
1.8	130700	999	27000	1.20	
2.0	112600	861	27000	1.40	
2.3	99600	760	27000	1.60	
2.7	83500	656	27000	1.90	
3.5	64000	503	27000	2.5	
3.3	69000	533	15800	1.65	JRTR149R89DN100L4 JRTRF149R89DN100L4
3.8	59400	462	16100	1.95	
4.1	55800	426	16200	2.1	
4.8	48200	368	16300	2.4	
5.4	42600	326	16400	2.7	
6.3	36000	280	16500	3.2	
2.0	117300	889	14000	1.00	JRTR139R79DN100L4 JRTRF139R79DN100L4
2.2	103300	784	14600	1.10	
2.5	91400	695	15100	1.25	
2.9	82000	619	15500	1.40	
3.2	73800	558	15700	1.55	
3.6	64400	490	12300	1.10	JRTR139R79DN100L4 JRTRF139R79DN100L4
4.1	56200	428	12700	1.25	
4.6	50500	381	12900	1.40	
5.5	42800	323	13200	1.65	
6.0	38500	291	13300	1.85	
6.9	33700	255	13400	2.1	
7.9	29500	223	13500	2.4	
3.4	69500	517	12100	1.00	JRTR109R79DN100L4 JRTRF109R79DN100L4
3.9	60900	453	12500	1.15	
7.0	33200	253	7210	1.15	
8.2	28200	214	7710	1.35	
9.4	24600	187	8000	1.55	
6.9	34200	256	7100	1.10	JRTR109R79DN100L4 JRTRF109R79DN100L4
7.4	33900	158.68	7140	1.10	
8.3	30300	141.83	7510	1.25	JRTR109DN132S6 JRTRF109DN132S6
9.2	27300	127.68	7790	1.40	
7.7	32800	229.95	7260	1.15	JRTR109DN100L4 JRTRF109DN100L4
8.7	29000	203.16	7640	1.30	
10	24600	172.34	8000	1.55	
11	22600	158.68	8110	1.70	
12	20200	141.83	8190	1.90	
14	18200	127.68	8250	2.1	
15	16500	115.63	8290	2.3	
17	14600	102.53	8160	2.6	
19	13200	92.70	7930	2.9	
22	11200	78.57	7560	3.4	JRTR99DN100L4 JRTRF99DN100L4
24	10400	72.88	7390	3.6	
12	21500	150.78	4430	1.25	
14	18100	126.75	5460	1.45	
15	16600	116.48	5900	1.60	
17	14700	103.44	6160	1.80	
19	13200	92.48	6210	2.0	
21	11800	83.15	6100	2.2	
24	10300	72.17	5870	2.6	
27	9320	65.21	5700	2.9	JRTR99DN100L4 JRTRF99DN100L4
29	8560	59.92	5570	3.1	
33	7600	53.21	5390	3.5	
37	6800	47.58	5220	3.9	
41	6110	42.78	5060	4.3	
47	5300	37.13	4850	5.0	
53	4750	33.25	4700	5.4	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
4.0HP					
19	13300	93.38	2950	1.05	JRTR89DN100L4 JRTRF89DN100L4
22	11700	81.92	3550	1.15	
24	10300	72.57	4040	1.30	
28	9100	63.68	4430	1.50	
29	8620	60.35	4480	1.60	
33	7550	52.82	4360	1.80	
37	6800	47.58	4240	2.0	
42	5960	41.74	4090	2.3	
48	5260	36.84	3960	2.6	
54	4660	32.66	3820	2.9	
63	3980	27.88	3650	3.3	
51	4910	34.40	3880	2.7	JRTR89DN100L4 JRTRF89DN100L4
56	4480	31.40	3780	3.1	
63	3980	27.84	3650	3.5	
75	3340	23.40	3470	4.1	
82	3070	21.51	3390	4.3	
92	2730	19.10	3270	4.7	
103	2440	17.08	3160	5.0	JRTR79DN100L4 JRTRF79DN100L4
115	2190	15.35	3060	5.4	
36	6540	45.81	2380	1.10	
41	6180	43.26	2450	1.15	
48	5260	36.83	2600	1.40	
53	4780	33.47	2570	1.50	JRTR79DN100L4 JRTRF79DN100L4
61	4140	29.00	2480	1.75	
70	3600	25.23	2400	1.90	
75	3340	23.37	2350	2.2	
82	3060	21.43	2300	2.4	
94	2680	18.80	2220	2.6	
99	2540	17.82	2190	2.7	
113	2220	15.60	2110	2.9	
125	2000	14.05	2040	3.2	
143	1760	12.33	1970	3.5	
162	1550	10.88	1900	3.8	JRTR69DN100L4 JRTRF69DN100L4
183	1370	9.64	1830	4.0	
205	1220	8.59	1780	4.5	
228	1100	7.74	1730	4.9	
260	970	6.79	1660	5.3	
75	3350	23.44	1870	1.50	
89	2840	19.89	1790	1.85	
98	2560	17.95	1750	2.0	
112	2250	15.79	1690	2.2	
118	2130	14.91	1670	2.3	
139	1810	12.70	1600	2.5	JRTR59DN100L4 JRTRF59DN100L4
153	1640	11.54	1560	2.7	
176	1420	10.00	1500	2.9	
65	3850	26.97	980	1.05	
80	3130	21.93	960	1.25	
95	2650	18.60	940	1.50	JRTR59DN100L4 JRTRF59DN100L4
105	2400	16.79	920	1.65	
119	2110	14.77	900	1.80	
126	1990	13.95	890	1.90	
148	1690	11.88	860	2.1	
163	1540	10.79	840	2.2	
189	1330	9.35	820	2.5	
195	1290	9.06	810	2.6	
221	1130	7.97	790	2.8	
234	1070	7.53	775	2.9	JRTRX59DN100L4 JRTRXF59DN100L4
275	910	6.41	745	3.2	
303	830	5.82	725	3.4	
349	720	5.05	700	3.7	
402	625	4.39	675	4.0	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
4.0HP					
109	2310	16.22	670	1.05	JRTR49DN100L4 JRTRF49DN100L4
121	2080	14.56	680	1.15	
141	1790	12.54	665	1.25	
149	1680	11.79	660	1.30	
174	1450	10.15	640	1.40	
194	1290	9.07	625	1.50	
220	1140	8.01	610	1.60	
227	1100	7.76	590	1.30	
253	990	6.96	575	1.40	
294	850	6.00	560	1.60	JRTR39DN100L4 JRTRF39DN100L4
313	800	5.64	550	1.70	
363	690	4.85	530	1.90	
407	615	4.34	515	2.1	
460	545	3.83	500	2.3	
174	1440	10.11	340	1.05	
186	1350	9.47	380	1.10	
221	1130	7.97	455	1.20	
264	950	6.67	400	1.35	
311	800	5.67	455	1.55	
348	720	5.06	485	1.65	JRTR39DN100L2 JRTRF39DN100L2
408	615	4.32	490	1.80	
436	575	4.05	485	1.85	
517	485	3.41	465	2.0	
527	475	6.67	465	2.7	
621	405	5.67	445	3.1	
695	360	5.06	430	3.3	
814	305	4.32	415	3.6	
869	290	4.05	405	3.7	
1030	240	3.41	390	4.1	JRTR29DN100L4 JRTRF29DN100L4
315	800	5.60	193	1.10	
353	710	5.00	235	1.20	
413	610	4.27	280	1.25	
441	570	4.00	295	1.30	
523	480	3.37	295	1.45	
534	470	6.59	295	2.0	
628	400	5.60	285	2.2	
703	355	5.00	280	2.4	
823	305	4.27	270	2.5	
879	285	4.00	265	2.6	JRTRX29DN100L4 JRTRXF29DN100L4
1045	240	3.37	255	2.9	
373	675	4.73	1070	1.60	
436	575	4.04	1020	2.2	
476	525	3.70	1000	2.6	
542	460	3.25	960	3.5	
572	440	3.08	940	3.9	
467	535	3.77	670	1.45	
551	455	3.20	645	1.95	
610	410	2.89	625	2.3	JRTRX69DN100L4 JRTRXF69DN100L4
694	360	2.54	605	2.9	
735	340	2.40	595	3.2	
863	290	2.04	570	4.1	
949	265	1.86	550	4.2	
1095	225	1.61	530	4.4	
1260	200	1.40	510	4.6	
562	445	3.14	500	1.30	
668	375	2.64	480	1.60	
744	335	2.37	465	1.80	JRTRX59DN100L4 JRTRXF59DN100L4
864	290	2.04	450	2.1	
918	270	1.92	440	2.2	
1065	235	1.65	425	2.6	
1195	210	1.48	410	2.9	
1350	186	1.30	395	3.0	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
5.0HP					
1.9	154500	950	27000	1.05	JRTR169R109DN100L4 JRTRF169R109DN100L4
2.0	139200	860	27000	1.15	
2.3	122500	763	27000	1.30	
2.5	110100	690	27000	1.45	
3.0	92200	585	27000	1.75	
4.0	74000	446	27000	2.1	JRTR169R109DN100L4 JRTRF169R109DN100L4
4.4	66000	399	27000	2.4	
4.9	59300	361	27000	2.7	
5.4	53600	328	27000	3.0	
2.0	142000	861	27000	1.10	JRTR169R99DN100L4 JRTRF169R99DN100L4
2.3	125600	760	27000	1.25	
2.7	105900	656	27000	1.50	
3.5	81200	503	27000	1.95	
4.7	60800	376	27000	2.6	
5.2	54000	335	27000	2.9	JRTR149R89DN100L4 JRTRF149R89DN100L4
3.3	87200	533	15300	1.30	
3.8	75100	462	15700	1.55	
4.1	70400	426	15800	1.65	
4.8	60800	368	16100	1.90	
5.4	53700	326	16200	2.1	JRTR149R79DN100L4 JRTRF149R79DN100L4
6.3	45600	280	16400	2.5	
7.1	40200	247	16500	2.9	
2.5	115100	695	14100	1.00	
2.8	103100	619	14600	1.10	
3.1	92800	558	15100	1.25	JRTR139R79DN100L4 JRTRF139R79DN100L4
3.6	81300	489	15500	1.40	
4.2	68900	415	15800	1.65	
4.1	70800	428	12000	1.00	
4.6	63500	381	12400	1.10	
5.4	53800	323	12800	1.30	JRTR139R79DN100L4 JRTRF139R79DN100L4
6.0	48500	291	13000	1.45	
6.9	42300	255	13200	1.65	
7.9	37100	223	13300	1.90	
8.9	32700	197	13400	2.2	
10	28900	175	13500	2.4	JRTR139R79DN100L4 JRTRF139R79DN100L4
4.7	63400	376	12400	1.10	
5.2	57000	339	12700	1.25	
5.9	50000	297	12900	1.40	
8.2	35500	214	6950	1.05	JRTR109R79DN100L4 JRTRF109R79DN100L4
9.4	31000	187	7450	1.25	
8.0	37000	220	6760	1.05	
9.1	32400	193	7300	1.15	
10	29000	172	7630	1.30	
8.7	36400	203.16	6840	1.05	JRTR109DN100L4 JRTRF109DN100L4
10	30800	172.34	7460	1.25	
11	28400	158.68	7690	1.35	
12	25400	141.83	7940	1.50	
14	22800	127.68	8100	1.65	
15	20700	115.63	8170	1.85	JRTR99DN100L4 JRTRF99DN100L4
17	18300	102.53	8010	2.1	
19	16600	92.70	7790	2.3	
22	14000	78.57	7450	2.7	
24	13000	72.88	7290	2.9	
12	27000	150.78	2790	1.00	JRTR99DN100L4 JRTRF99DN100L4
14	22700	126.75	4080	1.15	
15	20800	116.48	4640	1.25	
17	18500	103.44	5340	1.45	
19	16500	92.48	5830	1.60	
21	14800	83.15	5950	1.80	
24	12900	72.17	5740	2.0	
27	11600	65.12	5590	2.3	
29	10700	59.92	5470	2.5	
33	9530	53.21	5290	2.8	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
5.0HP					
37	8520	47.58	5130	3.1	JRTR99DN100L4 JRTRF99DN100L4
41	7660	42.78	4980	3.5	
47	6650	37.13	4790	4.0	
53	5950	33.25	4640	4.3	
24	13000	72.57	3080	1.05	JRTR89DN100L4 JRTRF89DN100L4
28	11400	63.68	3660	1.20	
29	10800	60.35	3860	1.25	
33	9460	52.82	4010	1.45	
37	8520	47.58	4100	1.60	
42	7480	41.74	4010	1.85	
48	6600	36.84	3880	2.1	
54	5850	32.66	3760	2.3	
63	4990	27.88	3600	2.7	
51	6160	34.40	3810	2.1	
56	5620	31.40	3720	2.4	
63	4980	27.84	3600	2.8	JRTR89DN100L4 JRTRF89DN100L4
75	4190	23.40	3420	3.3	
82	3850	21.51	3340	3.4	
92	3420	19.10	3230	3.7	
103	3060	17.08	3130	4.0	
114	2750	15.35	3030	4.3	JRTR79DN100L4 JRTRF79DN100L4
48	6600	36.83	2370	1.10	
53	5990	33.47	2480	1.20	
61	5190	29.00	2410	1.40	
70	4520	25.23	2330	1.55	
75	4180	23.37	2290	1.75	
82	3830	21.43	2240	1.90	
93	3360	18.80	2170	2.0	
99	3190	17.82	2140	2.2	
113	2790	15.60	2070	2.3	
125	2510	14.05	2010	2.5	
143	2200	12.33	1940	2.8	JRTR69DN100L4 JRTRF69DN100L4
162	1940	10.88	1870	3.0	
182	1720	9.64	1810	3.2	
205	1530	8.59	1760	3.6	
227	1380	7.74	1710	3.9	
259	1210	6.79	1640	4.2	
75	4200	23.44	1800	1.20	
88	3560	19.89	1740	1.50	
98	3210	17.95	1700	1.60	
111	2830	15.79	1650	1.75	
118	2670	14.91	1620	1.80	
138	2270	12.70	1560	2.0	JRTR59DN100L4 JRTRF59DN100L4
152	2060	11.54	1520	2.1	
176	1790	10.00	1470	2.3	
202	1550	8.70	1410	2.5	
226	1390	7.79	1370	2.4	
239	1310	7.36	1350	2.5	
281	1120	6.27	1290	2.6	
309	1020	5.70	1260	2.7	
356	880	4.93	1210	2.9	
80	3920	21.93	890	1.00	
95	3330	18.60	880	1.20	
105	3000	16.79	870	1.30	JRTR59DN100L4 JRTRF59DN100L4
119	2640	14.77	850	1.45	
126	2490	13.95	840	1.50	
148	2120	11.88	820	1.70	
163	1930	10.79	810	1.80	
188	1670	9.35	785	1.95	
194	1620	9.06	785	2.0	
221	1420	7.97	765	2.2	
234	1340	7.53	755	2.3	
274	1140	6.41	725	2.6	
302	1040	5.82	710	2.7	
348	900	5.05	685	3.0	
400	785	4.39	660	3.1	



Output speed n_a [r/min]	Output torque T_a lbf · in	Ratio i	Permitted overhung load $F_{R_{0.1}}$ lbf	Service factor f_s	Model
5.0HP					
140	2240	12.54	545	1.00	
149	2110	11.79	590	1.05	
173	1810	10.15	605	1.10	
194	1620	9.07	595	1.20	
219	1430	8.01	585	1.25	JRTR49DN100L4
227	1380	7.76	560	1.05	JRTRF49DN100L4
262	1240	6.96	550	1.15	
293	1070	6.00	535	1.30	
312	1010	5.64	530	1.35	
362	860	4.85	515	1.55	
405	775	4.34	500	1.65	
459	685	3.83	485	1.85	
438	715	8.01	505	2.5	JRTR49DN100L2
452	695	7.76	490	2.1	JRTRF49DN100L2
504	625	6.96	475	2.2	
264	1190	6.67	197	1.05	
310	1010	5.67	285	1.25	
348	900	5.06	335	1.30	JRTR39DN100L4
407	770	4.32	390	1.45	JRTRF39DN100L4
434	725	4.05	410	1.50	
516	610	3.41	445	1.60	
371	850	9.47	465	1.75	
440	715	7.97	470	1.95	
526	595	6.67	445	2.1	
619	505	5.67	430	2.5	JRTR39DN100L2
693	450	5.06	420	2.6	JRTRF39DN100L2
812	385	4.32	405	2.9	
867	360	4.05	400	3.0	
1030	305	3.41	380	3.2	
412	765	4.27	148	1.00	JRTR29DN100L4
440	715	4.00	172	1.05	
522	600	3.37	225	1.15	JRTRF29DN100L4
532	590	6.59	230	1.60	
626	500	5.60	265	1.75	
702	445	5.00	265	1.85	JRTR29DN100L2
821	380	4.27	260	2.0	JRTRF29DN100L2
877	355	4.00	255	2.1	
1040	300	3.37	245	2.3	
372	840	4.73	1040	1.30	JRTRX79DN100L4
435	720	4.04	1000	1.75	JRTRXF79DN100L4
475	660	3.70	980	2.0	
541	580	3.25	940	2.8	
571	550	3.08	930	3.1	
466	675	3.77	650	1.15	
549	570	3.20	625	1.55	
609	515	2.89	610	1.80	JRTRX69DN100L4
692	455	2.54	590	2.3	JRTRXF69DN100L4
732	430	2.40	580	2.5	
860	365	2.04	555	3.2	
947	330	1.86	540	3.4	
1095	285	1.61	520	3.5	
1255	250	1.40	500	3.7	

Output speed n_a [r/min]	Output torque T_a lbf · in	Ratio i	Permitted overhung load $F_{R_{0.1}}$ lbf	Service factor f_s	Model
5.0HP					
561	560	3.14	480	1.00	
666	470	2.64	460	1.30	
742	420	2.37	450	1.45	JRTRX55DN100L4
861	365	2.04	435	1.65	JRTRXF55DN100L4
916	340	1.92	425	1.75	
1065	295	1.65	410	2.1	
1190	260	1.48	400	2.3	
1350	230	1.30	385	2.4	
5.4HP					
2.1	149800	860	27000	1.05	
2.3	131900	763	27000	1.20	JRTR169R109DN112M4
2.6	118600	690	27000	1.35	JRTRF169R109DN112M4
3.0	99400	585	27000	1.60	
4.0	79600	446	27000	2.0	
4.4	71000	399	27000	2.2	JRTR169R109DN112M4
4.9	63800	361	27000	2.5	JRTRF169R109DN112M4
5.4	57700	328	27000	2.8	
2.0	152700	861	27000	1.05	
2.3	135000	760	27000	1.20	
2.7	114000	656	27000	1.40	JRTR169R99DN112M4
3.5	87400	503	27000	1.80	JRTRF169R99DN112M4
4.7	65400	376	27000	2.4	
5.3	58200	335	27000	2.7	
3.3	93800	533	15000	1.25	
3.8	80800	462	15500	1.40	
4.2	75600	426	15700	1.60	
4.8	65300	368	15900	1.75	
5.4	57800	326	16100	2.0	JRTR149R89DN112M4
6.3	49000	280	16300	2.3	JRTRF149R89DN112M4
7.2	43200	247	16400	2.7	
8.3	37300	214	16500	3.1	
9.4	33000	189	16600	3.5	
11	27700	159	16600	4.1	
2.9	110800	619	14300	1.05	
3.2	99700	558	14800	1.15	JRTR149R79DN112M4
3.6	87300	489	15300	1.30	JRTRF149R79DN112M4
4.3	74000	415	15700	1.55	
4.6	68200	381	12100	1.05	
5.5	57800	323	12600	1.20	
6.1	52100	291	12900	1.35	JRTR139R79DN112M4
6.9	45500	255	13100	1.55	JRTRF139R79DN112M4
7.9	39800	223	13300	1.75	
9.0	35100	197	13400	2.0	
10	31100	175	13500	2.3	
4.7	68100	376	12100	1.05	JRTR139R79DN112M4
5.2	61300	339	12500	1.15	JRTRF139R79DN112M4
6.0	53700	297	12800	1.30	
8.2	38100	214	6600	1.00	JRTR109R79DN112M4
9.4	33300	187	7200	1.15	JRTRF109R79DN112M4
9.1	38400	193	7030	1.10	JRTR109R79DN112M4
10	31200	172	7430	1.20	JRTRF109R79DN112M4



Output speed n_n [r/min]	Output torque T_n [lbf · in]	Ratio i	Permitted overhung load $F_{n,1}$ [lbf]	Service factor f_s	Model
5.4HP					
5.3	64100	222.60	12300	1.10	JRTR139DN132S6 JRTRF139DN132S6
6.3	54200	188.45	12800	1.30	
6.8	50200	174.40	12900	1.40	
7.6	45000	156.31	13100	1.55	
8.4	40600	141.12	13200	1.75	
9.2	36900	128.18	13300	1.90	
10	32700	113.72	13400	2.2	
11	29700	103.20	13500	2.4	
13	25500	88.70	13600	2.8	
10	33100	172.34	7230	1.15	JRTR109DN112M4 JRTRF109DN112M4
11	30500	158.68	7500	1.25	
12	27200	141.83	7790	1.40	
14	24500	127.68	8010	1.55	
15	22200	115.63	8120	1.70	
17	19700	102.53	7940	1.95	
19	17800	92.70	7730	2.1	
23	15100	78.57	7390	2.5	
24	14000	72.88	7230	2.7	
27	12600	65.60	7020	3.0	
30	11400	59.41	6830	3.3	
34	10100	52.68	6590	3.8	
14	24300	126.75	3580	1.10	JRTR99DN112M4 JRTRF99DN112M4
15	22400	116.48	4180	1.20	
17	19800	103.44	4930	1.35	
19	17700	92.48	5560	1.50	
21	15900	83.15	5880	1.65	
25	13800	72.17	5680	1.90	
27	12500	65.21	5530	2.1	
30	11500	59.92	5410	2.3	
33	10200	53.21	5250	2.6	
37	9150	47.58	5090	2.9	
41	8220	42.78	4940	3.2	
48	7140	37.13	4750	3.7	
53	6390	33.25	4610	4.0	
55	6160	32.05	4560	3.7	JRTR97DN112M4 JRTRF97DN112M4
65	5220	27.19	4350	4.3	
71	4810	25.03	4240	5.2	
79	4300	22.37	4100	5.6	
88	3870	20.14	3980	6.0	JRTR89DN112M4 JRTRF89DN112M4
28	12200	63.68	3360	1.10	
29	11600	60.35	3550	1.20	
33	10100	52.82	3740	1.35	
37	9150	47.58	3860	1.50	
42	8020	41.74	3960	1.70	
48	7080	36.84	3840	1.95	
54	6280	32.66	3720	2.2	
63	5360	27.88	3570	2.5	
51	6610	34.40	3770	2.0	JRTR89DN112M4 JRTRF89DN112M4
56	6030	31.40	3680	2.3	
64	5350	27.84	3560	2.6	
76	4500	23.40	3400	3.0	
82	4130	21.51	3320	3.2	
93	3670	19.10	3210	3.5	
104	3280	17.08	3110	3.7	

Output speed n_n [r/min]	Output torque T_n [lbf · in]	Ratio i	Permitted overhung load $F_{n,1}$ [lbf]	Service factor f_s	Model
5.4HP					
115	2950	15.35	3010	4.0	JRTR89DN112M4
133	2560	13.33	2890	4.4	JRTRF89DN112M4
148	2290	11.93	2790	4.7	JRTRF89DN112M4
48	7080	36.83	2270	1.00	JRTR79DN112M4 JRTRF79DN112M4
53	6430	33.47	2400	1.15	
61	5570	29.00	2370	1.30	
70	4850	25.23	2300	1.40	
76	4490	23.37	2260	1.60	JRTR79DN112M4 JRTRF79DN112M4
83	4120	21.43	2210	1.75	
94	3610	18.80	2140	1.90	
99	3420	17.82	2120	2.0	
113	2990	15.60	2050	2.2	
126	2700	14.05	1990	2.4	
144	2370	12.33	1920	2.6	
163	2090	10.88	1860	2.8	
183	1850	9.64	1800	3.0	
206	1650	8.59	1750	3.4	
229	1480	7.74	1700	3.6	
260	1300	6.79	1640	3.9	
295	1150	5.99	1580	4.2	
333	1020	5.31	1520	4.4	
89	3820	19.89	1710	1.40	JRTR69DN112M4 JRTRF69DN112M4
99	3450	17.95	1670	1.50	
112	3030	15.79	1630	1.65	
119	2860	14.91	1600	1.70	
139	2440	12.70	1540	1.90	
153	2210	11.54	1510	2.0	
177	1920	10.00	1450	2.2	
203	1670	8.70	1400	2.3	
227	1490	7.79	1360	2.2	
240	1410	7.36	1340	2.3	
282	1200	6.27	1280	2.4	
311	1090	5.70	1250	2.5	
359	940	4.93	1200	2.7	
412	820	4.29	1150	2.9	
95	3570	18.60	850	1.10	JRTR59DN112M4 JRTRF59DN112M4
105	3220	16.79	840	1.25	
120	2840	14.77	830	1.35	
127	2680	13.95	830	1.40	
149	2280	11.88	810	1.55	
164	2070	10.79	795	1.65	
189	1790	9.35	775	1.80	
195	1740	9.06	770	1.90	
222	1530	7.97	750	2.0	
235	1440	7.53	745	2.1	
276	1230	6.41	715	2.4	
304	1120	5.82	700	2.5	
351	970	5.05	675	2.8	
403	840	4.39	655	2.9	
446	760	7.97	635	4.1	JRTR59DN112M2 JRTRF59DN112M2
472	720	7.53	625	4.3	
554	610	6.41	600	4.8	
610	555	5.82	585	5.1	
704	480	5.05	560	5.6	
809	420	4.39	540	5.9	



Output speed n_s [r/min]	Output torque T_s lbf • in	Ratio i	Permitted overhung load F_{R_s} ¹⁾ lbf	Service factor f_s	Model
5.4HP					
174	1950	10.15	590	1.05	JRTR49DN112M4 JRTRF49DN112M4
195	1740	9.07	585	1.10	
221	1540	8.01	575	1.20	
254	1330	6.96	540	1.05	
295	1150	6.00	525	1.20	
314	1080	5.64	520	1.25	
364	930	4.85	505	1.40	
408	830	4.34	495	1.55	
462	735	3.83	480	1.75	
458	740	7.76	480	1.95	JRTR49DN112M2 JRTRF49DN112M2
510	665	6.96	470	2.1	
592	570	6.00	455	2.4	
630	540	5.64	445	2.5	
732	460	4.85	430	2.9	
819	415	4.34	420	3.1	
927	365	3.83	405	3.5	
438	775	4.04	990	1.65	JRTR79DN112M4 JRTRF79DN112M4
478	710	3.70	970	1.90	
544	625	3.25	930	2.6	
574	590	3.08	920	2.9	
656	515	2.70	890	3.7	
728	465	2.43	860	4.1	
830	405	2.13	830	4.3	
941	360	1.88	795	4.6	
1060	320	1.67	770	4.8	
1245	270	1.42	735	5.0	
553	615	3.20	615	1.45	JRTRX69DN112M4 JRTRXF69DN112M4
612	555	2.89	600	1.70	
696	485	2.54	580	2.1	
737	460	2.40	575	2.4	
866	390	2.04	550	3.0	
953	355	1.86	535	3.1	
1100	305	1.61	515	3.3	
1265	265	1.40	495	3.4	
670	505	2.64	455	1.20	JRTRX59DN112M4 JRTRXF59DN112M4
746	455	2.37	440	1.35	
866	390	2.04	425	1.55	
921	365	1.92	420	1.65	
1070	315	1.65	405	1.90	
1200	280	1.48	395	2.1	
1355	250	1.30	380	2.2	
7.5HP					
3.0	140600	585	27000	1.15	JRTR169R109DN132S4
3.5	121800	511	27000	1.30	JRTRF169R109DN132S4
5.1	81400	349	27000	1.95	JRTR169R109DN132S4 JRTRF169R109DN132S4
6.5	64500	270	27000	2.5	
7.7	54100	229	27000	2.9	
4.0	111400	446	27000	1.45	JRTR169R109DN132S4 JRTRF169R109DN132S4
4.4	99500	399	27000	1.60	
4.9	89600	361	27000	1.80	
5.4	81100	328	27000	1.95	
6.1	71600	291	27000	2.2	
6.7	64700	264	27000	2.5	
7.8	55200	227	27000	2.9	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
7.5HP					
2.7	160300	656	27000	1.00	JRTR169R99DN132S4 JRTRF169R99DN132S4
3.0	139800	579	27000	1.15	
3.5	122900	503	27000	1.30	
4.1	104300	432	27000	1.55	
4.7	92000	376	27000	1.75	
5.3	81800	335	27000	1.95	
5.8	73000	303	27000	2.2	
6.3	67300	279	27000	2.4	
3.8	113400	462	14200	1.00	JRTR149R89DN132S4 JRTRF149R89DN132S4
4.2	105700	426	14500	1.10	
4.8	91300	368	15100	1.25	
5.4	80700	326	15500	1.40	
6.3	68800	280	15900	1.65	
7.2	60700	247	16100	1.90	
8.3	52400	214	16200	2.2	
9.4	46400	189	16400	2.5	
11	38900	159	16500	3.0	
4.3	103300	415	14600	1.10	JRTR149R79DN132S4 JRTRF149R79DN132S4
6.9	63500	255	12400	1.10	JRTR139R79DN132S4 JRTRF139R79DN132S4
7.9	55600	223	12700	1.25	
9.0	49000	197	13000	1.45	
10	43400	175	13100	1.65	
7.3	65100	163.31	15900	1.75	JRTR149DN132L6 JRTRF149DN132L6
8.1	58500	148.91	16100	1.95	
9.9	47700	119.86	16300	2.4	
11	43500	109.31	16400	2.6	
13	37700	94.60	16500	3.0	
14	33200	83.47	16600	3.5	
6.8	69500	174.40	12100	1.00	JRTR139DN132L6 JRTRF139DN132L6
7.6	62300	156.31	12400	1.15	
8.4	56200	141.12	12700	1.25	
9.2	51100	128.18	12900	1.40	
10	45300	113.72	13100	1.55	
11	41100	103.20	13200	1.70	
7.9	59400	222.60	12600	1.20	JRTR139DN132S4 JRTRF139DN132S4
9.4	50300	188.45	12900	1.40	
10	46600	174.40	13000	1.50	
11	41700	156.31	13200	1.70	
13	37700	141.12	13300	1.90	
14	34200	128.18	13400	2.1	
16	30300	113.72	13500	2.3	
17	27500	103.20	13500	2.6	
20	23700	88.70	13600	3.0	
22	21600	80.91	13600	3.3	
24	19600	73.49	13700	3.6	
27	17400	65.20	13700	4.1	
30	15800	59.17	13700	4.5	
35	13500	50.86	13700	5.2	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H, N}$ [lbf]	Service factor f_s	Model
7.5HP					
12	37900	141.83	6640	1.00	JRTR1090N132S4 JRTRF1090N132S4
14	34100	127.68	7110	1.10	
15	30900	115.63	7460	1.25	
17	27400	102.53	7610	1.40	
19	24700	92.70	7430	1.55	
22	21000	78.57	7140	1.80	
24	19400	72.88	7000	1.95	
27	17500	65.60	6820	2.2	
30	15800	59.41	6640	2.4	
34	14000	52.68	6430	2.7	
37	12700	47.63	6250	3.0	JRTR990N132S4 JRTRF990N132S4
44	10700	40.37	5970	3.5	
19	24700	92.48	3480	1.05	
21	22200	83.15	4230	1.20	
24	19200	72.17	5110	1.40	
27	17400	65.21	5280	1.50	
30	16000	59.92	5190	1.65	
33	14200	53.21	5040	1.85	
37	12700	47.58	4910	2.1	
41	11400	42.78	4780	2.3	
46	9920	37.13	4610	2.7	JRTR990N132S4 JRTRF990N132S4
53	8880	33.25	4480	2.9	
64	7370	27.58	4260	3.2	
55	8560	32.05	4440	2.6	
65	7260	27.19	4240	3.1	
71	6690	25.03	4150	3.7	
79	5980	22.37	4020	4.0	
88	5380	20.14	3900	4.3	
97	4870	18.24	3790	4.5	
109	4320	16.17	3660	4.9	JRTR890N132S4 JRTRF890N132S4
37	12700	47.58	3880	1.10	
42	11100	41.74	3770	1.25	
48	9840	36.84	3670	1.40	
54	8720	32.66	3570	1.55	
63	7450	27.88	3440	1.80	
64	7440	27.84	3440	1.85	
76	6250	23.40	3290	2.2	
82	5740	21.51	3220	2.3	
93	5100	19.10	3120	2.5	
104	4560	17.08	3030	2.7	
115	4100	15.35	2940	2.9	
133	3560	13.33	2830	3.2	
148	3180	11.93	2740	3.4	JRTR790N132S4 JRTRF790N132S4
179	2640	9.90	2600	4.0	
193	2440	9.14	2560	4.4	
215	2190	8.22	2480	4.7	
248	1900	7.13	2380	5.0	
70	6740	25.23	1950	1.00	
94	5020	18.80	2040	1.35	
99	4760	17.82	2020	1.45	
113	4160	15.60	1960	1.55	
126	3750	14.05	1910	1.70	
143	3290	12.33	1850	1.85	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H, N}$ [lbf]	Service factor f_s	Model
7.5HP					
163	2900	10.88	1800	2.0	JRTR790N132S4 JRTRF790N132S4
183	2570	9.64	1740	2.2	
206	2290	8.59	1710	2.4	
228	2060	7.74	1660	2.6	
260	1810	6.79	1600	2.8	
295	1600	5.99	1550	3.0	
333	1410	5.31	1490	3.2	
112	4220	15.79	1530	1.15	JRTR690N132S4 JRTRF690N132S4
119	3980	14.91	1510	1.20	
139	3390	12.70	1460	1.35	
153	3080	11.54	1440	1.45	
177	2670	10.00	1390	1.55	
203	2320	8.70	1350	1.65	
227	2080	7.79	1320	1.60	
240	1960	7.36	1300	1.65	
282	1670	6.27	1250	1.75	
310	1520	5.70	1210	1.80	JRTR590N132S4 JRTRF590N132S4
358	1310	4.93	1170	1.95	
412	1140	4.29	1120	2.1	
127	3720	13.95	675	1.00	
149	3170	11.88	725	1.15	
164	2880	10.79	720	1.20	
189	2490	9.35	710	1.30	
222	2130	7.97	700	1.45	
235	2010	7.53	695	1.55	
276	1710	6.41	675	1.75	JRTR590N132S2 JRTRF590N132S2
304	1550	5.82	660	1.80	
350	1340	5.05	645	2.0	
403	1170	4.39	625	2.1	
240	1960	14.77	685	1.95	
254	1860	13.95	680	2.0	
298	1580	11.88	660	2.3	
328	1430	10.79	650	2.4	
379	1240	9.35	630	2.6	
445	1060	7.97	610	3.0	JRTR490N132S4 JRTRF490N132S4
471	1000	7.53	600	3.1	
553	850	6.41	580	3.5	
608	775	5.82	565	3.6	
702	670	5.05	545	4.0	
807	585	4.39	525	4.2	
364	1290	4.85	465	1.00	
408	1150	4.34	460	1.10	
461	1020	3.83	450	1.25	
283	1670	12.54	495	1.30	JRTR490N132S2 JRTRF490N132S2
300	1570	11.79	500	1.40	
349	1350	10.15	490	1.50	
391	1200	9.07	480	1.60	
442	1060	8.01	470	1.70	
591	795	6.00	430	1.75	
628	750	5.64	425	1.80	
730	645	4.85	410	2.0	
817	575	4.34	400	2.2	
925	510	3.83	390	2.5	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
7.5HP					
267	1770	6.63	2210	2.3	JRTRX109DN132S4 JRTRXF109DN132S4
315	1490	5.61	2110	2.7	
341	1380	5.19	2060	4.4	
380	1240	4.65	2000	5.0	
305	1540	5.79	1770	2.4	JRTRX99DN132S4 JRTRXF99DN132S4
360	1310	4.91	1690	2.7	
391	1200	4.52	1650	4.3	
437	1080	4.04	1600	4.9	
486	970	3.64	1550	5.4	
536	880	3.30	1510	6.0	
605	780	2.92	1450	6.7	
669	705	2.64	1410	7.5	
789	595	2.24	1340	8.8	
904	520	1.96	1290	9.6	
1080	435	1.64	1220	10	
1250	375	1.42	1160	11	
393	1200	4.50	1280	2.1	JRTRX89DN132S4 JRTRXF89DN132S4
467	1010	3.78	1220	2.7	
509	920	3.48	1200	3.9	
573	820	3.09	1160	4.3	
641	735	2.76	1120	4.9	
712	660	2.48	1090	5.4	
821	575	2.15	1040	5.9	JRTRX79DN132S4 JRTRXF79DN132S4
544	880	3.25	900	1.85	
574	820	3.08	890	2.1	
656	720	2.70	860	2.6	
728	645	2.43	830	2.9	
830	565	2.13	800	3.1	
940	500	1.88	775	3.3	
1060	445	1.67	750	3.4	
1240	380	1.42	715	3.6	JRTRX69DN132S4 JRTRXF69DN132S4
696	675	2.54	550	1.55	
737	640	2.40	545	1.70	
865	545	2.04	520	2.2	
952	495	1.86	510	2.2	
1100	425	1.61	490	2.4	JRTRX59DN132S4 JRTRXF59DN132S4
1265	370	1.40	475	2.5	
866	545	2.04	250	1.10	
921	510	1.92	265	1.20	
1070	440	1.65	295	1.40	JRTR169R109DN132M4 JRTRF169R109DN132M4
1200	390	1.48	305	1.50	
1355	345	1.30	325	1.60	
5.1	110200	349	27000	1.45	
6.6	86800	270	27000	1.85	JRTR169R109DN132M4 JRTRF169R109DN132M4
7.7	73100	229	27000	2.2	
8.8	63400	200	27000	2.5	
4.0	148700	446	27000	1.05	JRTR169R109DN132M4 JRTRF169R109DN132M4
4.4	133000	399	27000	1.20	
4.9	119800	361	27000	1.35	
5.4	108500	328	27000	1.45	
6.1	95900	291	27000	1.65	
6.7	86700	264	27000	1.85	
7.8	74100	227	27000	2.1	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
10.0HP					
9.0	64300	198	27000	2.5	JRTR169R109DN132M4
11	54100	168	27000	2.9	JRTRF169R109DN132M4
4.1	140100	432	27000	1.15	JRTR169R99DN132M4 JRTRF169R99DN132M4
4.7	123100	376	27000	1.30	
5.3	109500	335	27000	1.45	
5.9	98100	303	27000	1.60	
6.4	90400	279	27000	1.75	JRTR149R89DN132M4 JRTRF149R89DN132M4
5.4	107700	326	14400	1.05	
6.3	92000	280	15100	1.25	
7.2	81200	247	15500	1.40	
8.3	70100	214	15800	1.65	
9.4	62000	189	16000	1.85	
11	52100	159	16200	2.2	
9.0	65300	197	12300	1.10	JRTR139R79DN132M4
10	57900	175	12600	1.20	JRTRF139R79DN132M4
5.2	122400	229.71	27000	1.30	JRTR169DN160M6 JRTRF169DN160M6
6.3	99600	186.93	27000	1.60	
7.7	81500	153.07	27000	1.95	
8.4	74600	139.98	27000	2.1	
9.7	64900	121.81	27000	2.5	
11	57200	107.49	27000	2.8	
13	49600	93.19	27000	3.2	
14	44100	82.19	27000	3.6	
16	39200	73.70	27000	4.0	
18	35900	67.40	27000	4.4	
7.2	87000	163.31	15300	1.30	JRTR149DN160M6 JRTRF149DN160M6
8.1	78300	146.91	15600	1.45	
9.9	63800	119.86	16000	1.80	
11	58200	109.31	16100	1.95	
12	50400	94.60	16300	2.3	
14	44400	83.47	16400	2.6	
9.4	66900	188.45	12200	1.05	JRTR139DN132M4 JRTRF139DN132M4
10	61900	174.40	12400	1.15	
11	55500	156.31	12700	1.30	
13	50100	141.12	12900	1.40	
14	45500	128.18	13100	1.55	
16	40300	113.72	13200	1.75	
17	36600	103.20	13300	1.95	
20	31500	88.70	13500	2.2	
22	28700	80.91	13500	2.5	
24	26100	73.49	13600	2.7	
27	23100	65.20	13600	3.1	
30	21000	59.17	13600	3.4	
35	18000	50.86	13700	3.9	JRTR109DN132M4 JRTRF109DN132M4
17	36400	102.53	6840	1.05	
19	32900	92.70	7080	1.15	
23	27900	78.57	6840	1.35	
24	25800	72.88	6720	1.45	
27	23200	65.60	6560	1.65	
30	21000	59.41	6410	1.80	
34	18700	52.68	6230	2.0	
37	16900	47.63	6070	2.2	
44	14300	40.37	5810	2.6	
50	12500	35.26	5610	3.0	
60	10400	29.49	5340	3.6	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
10.0HP					
58	10900	30.77	5400	3.5	JRTR109DN132M4 JRTRF109DN132M4
64	9790	27.58	5240	3.9	
71	8840	24.90	5090	4.3	
78	8030	22.62	4950	4.7	
25	25600	72.17	3210	1.05	JRTR99DN132M4 JRTRF99DN132M4
27	23100	65.21	4980	1.15	
30	21200	59.92	4910	1.25	
33	18800	53.21	4800	1.40	
37	16800	47.58	4690	1.55	
41	15100	42.78	4580	1.75	
48	13100	37.13	4440	2.0	
53	11800	33.25	4320	2.2	
64	9790	27.58	4130	2.4	JRTR99DN132M4 JRTRF99DN132M4
55	11300	32.05	4290	2.0	
65	9650	27.19	4110	2.4	
71	8890	25.03	4030	2.8	
79	7940	22.37	3910	3.0	
88	7150	20.14	3800	3.2	
97	6470	18.24	3700	3.4	JRTR89DN132M4 JRTRF89DN132M4
48	13000	36.84	3470	1.05	
54	11500	32.66	3390	1.20	
64	9900	27.88	3280	1.35	
64	9880	27.84	3280	1.40	JRTR89DN132M4 JRTRF89DN132M4
78	8310	23.40	3160	1.65	
82	7630	21.51	3100	1.75	
93	6780	19.10	3010	1.90	
104	6060	17.08	2930	2.0	
116	5450	15.35	2860	2.2	
133	4730	13.33	2750	2.4	
149	4230	11.93	2670	2.6	
179	3510	9.90	2540	3.0	
194	3240	9.14	2520	3.3	
216	2910	8.22	2440	3.5	
249	2530	7.13	2340	3.7	
278	2260	6.39	2270	4.0	JRTR79DN132M4 JRTRF79DN132M4
335	1880	5.30	2140	4.3	
94	6670	18.80	1540	1.05	
100	6320	17.82	1600	1.10	
114	5530	15.60	1740	1.20	
126	4990	14.05	1820	1.30	
144	4370	12.33	1770	1.40	
163	3860	10.88	1720	1.50	
184	3420	9.64	1680	1.65	
206	3050	8.59	1660	1.85	
229	2740	7.74	1620	1.95	JRTR69DN132M4 JRTRF69DN132M4
261	2410	6.79	1560	2.1	
296	2120	5.99	1510	2.2	
334	1880	5.31	1460	2.4	
140	4510	12.70	1250	1.00	
154	4090	11.54	1350	1.10	
177	3550	10.00	1320	1.15	JRTR69DN132M4 JRTRF69DN132M4
204	3080	8.70	1280	1.25	
228	2760	7.79	1260	1.20	
241	2610	7.36	1240	1.25	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
10.0HP					
283	2220	6.27	1200	1.30	JRTR69DN132M4 JRTRF69DN132M4
311	2020	5.70	1170	1.35	
360	1750	4.93	1130	1.45	
413	1520	4.29	1090	1.55	
223	2830	7.97	460	1.10	JRTR59DN132M4 JRTRF59DN132M4
236	2670	7.53	510	1.15	
277	2270	6.41	625	1.30	
305	2060	5.82	615	1.35	
352	1790	5.05	605	1.50	
404	1550	4.39	590	1.60	
240	2620	14.77	625	1.45	JRTR59DN132M2 JRTRF59DN132M2
254	2470	13.95	625	1.55	
296	2110	11.88	610	1.70	
328	1910	10.79	605	1.80	
379	1660	9.35	590	1.95	
445	1410	7.97	580	2.2	
471	1330	7.53	575	2.3	
553	1130	6.41	555	2.6	JRTRX109DN132M4 JRTRXF109DN132M4
609	1030	5.82	545	2.7	
703	890	5.05	525	3.0	
807	780	4.39	510	3.2	
268	2350	6.63	2150	1.75	JRTRX109DN132M4 JRTRXF109DN132M4
316	1990	5.61	2060	2.0	
342	1840	5.19	2010	3.3	
381	1650	4.65	1950	3.7	
422	1490	4.20	1900	4.9	JRTRX99DN132M4 JRTRXF99DN132M4
306	2050	5.79	1720	1.60	
361	1740	4.91	1650	2.0	
392	1600	4.52	1610	3.3	
438	1430	4.04	1560	3.7	
487	1290	3.64	1520	4.1	
538	1170	3.30	1480	4.5	
607	1030	2.92	1430	5.1	JRTRX89DN132M4 JRTRXF89DN132M4
394	1590	4.50	1230	1.60	
469	1340	3.78	1180	2.0	
510	1230	3.48	1160	2.9	
575	1090	3.09	1120	3.3	
643	980	2.76	1090	3.7	
715	880	2.48	1060	4.1	
824	760	2.15	1020	4.5	
920	680	1.93	980	4.6	
1110	565	1.60	930	4.9	
1275	490	1.39	900	5.2	JRTRX79DN132M4 JRTRXF79DN132M4
546	1150	3.25	860	1.40	
576	1090	3.08	850	1.55	
658	950	2.70	820	2.0	
730	860	2.43	800	2.2	
833	755	2.13	775	2.3	
944	665	1.88	750	2.5	JRTRX69DN132M4 JRTRXF69DN132M4
1065	590	1.67	725	2.6	
1245	505	1.42	695	2.7	
698	900	2.54	490	1.15	
739	850	2.40	505	1.30	
868	725	2.04	490	1.65	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
10.0HP					
955	655	1.86	480	1.70	JRTRX08DN132M4
1105	570	1.61	465	1.75	JRTRXF69DN132M4
1265	495	1.40	450	1.85	
1075	585	1.65	52	1.05	JRTRX59DN132M4
1200	520	1.48	78	1.15	JRTRXF59DN132M4
1360	460	1.30	120	1.20	
12.3HP					
5.1	136900	349	27000	1.15	
6.0	114600	295	27000	1.40	
6.6	107600	270	27000	1.50	JRTR169R109DN132L4
7.7	90600	229	27000	1.75	JRTRF169R109DN132L4
8.9	78700	200	27000	2.0	
10	65900	189	27000	2.4	
4.9	147700	361	27000	1.10	
5.4	133900	328	27000	1.20	
6.1	118400	291	27000	1.35	
6.7	107200	264	27000	1.50	JRTR169R109DN132L4
7.8	91700	227	27000	1.75	JRTRF169R109DN132L4
9.0	79600	198	27000	2.0	
11	67100	168	27000	2.4	
4.7	152000	376	27000	1.05	
5.3	135200	335	27000	1.20	JRTR169R99DN132L4
5.9	121300	303	27000	1.30	JRTRF169R99DN132L4
6.4	111700	279	27000	1.40	
6.3	113500	280	14200	1.00	
7.2	100100	247	14800	1.15	
8.3	86500	214	15300	1.35	JRTR149R89DN132L4
9.4	76500	189	15600	1.50	JRTRF149R89DN132L4
11	64300	159	16000	1.80	
7.7	100200	229.71	27000	1.60	
9.5	81600	186.93	27000	1.95	
12	66800	153.07	27000	2.4	JRTR169DN132L4
13	61100	139.98	27000	2.6	JRTRF169DN132L4
15	53100	121.81	27000	3.0	
11	71300	163.31	15800	1.60	
12	64100	146.91	16000	1.80	
15	52300	119.86	16200	2.2	
16	47700	109.31	16300	2.4	JRTR149DN132L4
19	41300	94.60	16400	2.8	JRTRF149DN132L4
21	36400	83.47	16500	3.2	
25	31400	72.09	16600	3.6	
26	29200	66.99	16600	3.9	
11	68200	156.31	12100	1.05	
13	61600	141.12	12500	1.15	
14	55900	128.18	12700	1.25	
16	49600	113.72	12900	1.45	
17	45000	103.20	13100	1.55	
20	38700	88.70	13300	1.85	JRTR139DN132L4
22	35300	80.91	13400	2.0	JRTRF139DN132L4
24	32000	73.49	13400	2.2	
27	28400	65.20	13500	2.5	
30	25800	59.17	13600	2.7	
35	22200	50.86	13600	3.2	
40	19300	44.39	13700	3.6	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
12.3HP					
23	34300	78.57	6570	1.10	
24	31800	72.88	6470	1.20	
27	28600	65.60	6340	1.35	
30	25900	59.41	6210	1.45	JRTR109DN132L4
34	23000	52.68	6040	1.65	JRTRF109DN132L4
37	20700	47.63	5900	1.85	
44	17600	40.37	5680	2.2	
50	15300	35.26	5490	2.5	
60	12800	29.49	5240	3.0	
58	13400	30.77	5300	2.8	
64	12000	27.58	5140	3.2	JRTR109DN132L4
71	10800	24.90	5000	3.5	JRTRF109DN132L4
78	9870	22.62	4870	3.9	
88	8760	20.07	4710	4.3	
30	26100	59.92	4660	1.00	
33	23200	53.21	4580	1.15	
37	20700	47.58	4490	1.30	JRTR99DN132L4
41	18600	42.78	4400	1.40	JRTRF99DN132L4
48	16200	37.13	4280	1.65	
53	14500	33.25	4180	1.75	
64	12000	27.58	4010	1.95	
71	10900	25.03	3920	2.3	
79	9760	22.37	3820	2.5	
88	8790	20.14	3720	2.6	JRTR99DN132L4
97	7960	18.24	3630	2.8	JRTRF99DN132L4
110	7060	16.17	3510	3.0	
121	6380	14.62	3420	3.2	
143	5410	12.39	3270	3.6	
64	12100	27.88	3140	1.10	
83	9390	21.51	2990	1.40	
93	8330	19.10	2920	1.55	
104	7450	17.08	2850	1.65	
116	6700	15.35	2780	1.75	JRTR89DN132L4
133	5810	13.33	2690	1.95	JRTRF89DN132L4
149	5200	11.93	2610	2.1	
179	4320	9.90	2490	2.4	
194	3990	9.14	2480	2.7	
216	3580	8.22	2410	2.9	
249	3110	7.13	2310	3.0	
278	2780	6.39	2240	3.2	
126	6130	14.05	1370	1.05	
144	5380	12.33	1500	1.15	
163	4740	10.88	1600	1.25	
184	4210	9.64	1620	1.30	JRTR79DN132L4
229	3370	7.74	1560	1.60	JRTRF79DN132L4
261	2960	6.79	1520	1.75	
296	2610	5.99	1480	1.85	
334	2310	5.31	1430	1.95	
342	2260	5.19	1970	2.7	
382	2030	4.65	1920	3.0	JRTRX109DN132L4
423	1830	4.20	1860	4.0	JRTRXF109DN132L4
465	1660	3.81	1810	4.4	
524	1470	3.38	1750	5.0	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
12.3HP					
392	1970	4.52	1570	2.7	
439	1760	4.04	1530	3.0	
488	1580	3.64	1490	3.3	
538	1430	3.30	1450	3.7	
607	1270	2.92	1400	4.1	JRTRX99DN132L4
672	1150	2.64	1360	4.6	JRTRXF99DN132L4
792	970	2.24	1300	5.4	
907	850	1.96	1250	5.9	
1085	710	1.64	1180	6.2	
1255	615	1.42	1130	6.5	
511	1510	3.48	1120	2.4	
575	1340	3.09	1090	2.7	
643	1200	2.76	1060	3.0	
715	1080	2.48	1030	3.3	JRTRX89DN132L4
824	940	2.15	990	3.6	JRTRXF89DN132L4
920	840	1.93	960	3.7	
1110	695	1.60	910	4.0	
1275	605	1.39	880	4.2	
731	1060	2.43	770	1.80	
833	930	2.13	750	1.90	JRTRX79DN132L4
944	820	1.88	725	2.0	JRTRXF79DN132L4
1065	725	1.67	705	2.1	
1245	620	1.42	675	2.2	
15.0HP					
6.0	141100	295	27000	1.15	
6.6	131900	270	27000	1.20	JRTR169R109DN160M4
7.8	111300	229	27000	1.45	JRTRF169R109DN160M4
8.9	96700	200	27000	1.65	
10	81100	169	27000	1.95	
6.1	144900	291	27000	1.10	
6.7	131200	264	27000	1.20	
7.8	112300	227	27000	1.40	JRTR169R109DN160M4
9.0	97600	198	27000	1.65	JRTRF169R109DN160M4
11	82400	168	27000	1.95	
5.9	148500	303	27000	1.05	JRTR169R99DN160M4
6.4	136800	279	27000	1.15	JRTRF169R99DN160M4
8.3	105700	214	14500	1.10	JRTR149R89DN160M4
9.4	93400	189	15000	1.25	JRTRF149R89DN160M4
11	78500	159	15600	1.45	
7.7	122200	229.71	27000	1.30	
9.5	99400	186.93	27000	1.60	
12	81400	153.07	27000	1.95	
13	74400	139.98	27000	2.1	JRTR169DN160M4
15	64800	121.81	27000	2.5	JRTRF169DN160M4
17	57200	107.49	27000	2.8	
19	49500	93.19	27000	3.2	
21	44100	82.91	27000	3.6	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
15.0HP					
39	24400	46.00	27000	2.5	JRTR169DN160M4
					JRTRF169DN160M4
11	86900	163.31	15300	1.30	JRTR149DN160M4
12	78100	146.91	15600	1.45	JRTRF149DN160M4
15	63700	119.86	16000	1.80	
16	58100	109.31	16100	2.0	
19	50300	94.60	16300	2.3	
21	44400	83.47	16400	2.6	JRTR149DN160M4
25	38300	72.09	16500	3.0	JRTRF149DN160M4
27	35600	66.99	16500	3.2	
29	32500	61.09	16600	3.5	
34	28100	52.87	16600	4.1	
14	68200	128.18	12100	1.05	
16	60500	113.72	12500	1.15	
17	54900	103.20	12700	1.30	
20	47200	88.70	13000	1.50	
22	43000	80.91	13200	1.65	
24	39100	73.49	13300	1.80	JRTR139DN160M4
27	34600	65.20	13400	2.0	JRTRF139DN160M4
30	31400	59.17	13500	2.2	
35	27000	50.86	13500	2.6	
40	23600	44.39	13600	3.0	
47	20000	37.65	13700	3.5	
54	17500	32.91	13700	4.0	
24	38700	72.88	6180	1.00	
27	34900	65.60	6070	1.10	
30	31600	59.41	5970	1.20	
34	28000	52.68	5830	1.35	JRTR109DN160M4
37	25300	47.63	5710	1.50	JRTRF109DN160M4
44	21400	40.37	5510	1.75	
50	18700	35.26	5340	2.0	
60	15600	29.49	5120	2.4	
58	16300	30.77	5170	2.3	
64	14600	27.58	5030	2.6	
71	13200	24.90	4900	2.9	JRTR109DN160M4
79	12000	22.62	4780	3.2	JRTRF109DN160M4
89	10600	20.07	4630	3.6	
98	9680	18.21	4510	3.9	
37	25300	47.58	4260	1.05	
42	22700	42.78	4190	1.15	JRTR99DN160M4
48	19700	37.13	4100	1.35	JRTRF99DN160M4
53	17600	33.25	4020	1.45	
64	14600	27.58	3880	1.60	



Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
15.0HP					
71	13300	25.03	3800	1.90	JRTR99DN160M4 JRTRF99DN160M4
79	11900	22.37	3710	2.0	
88	10700	20.14	3620	2.1	
97	9700	18.24	3540	2.3	
110	8600	16.17	3430	2.5	
121	7780	14.62	3350	2.6	
143	6590	12.39	3210	2.9	
164	5760	10.83	3090	3.2	
191	4940	9.29	3010	3.6	
212	4460	8.39	2930	4.0	
250	3780	7.12	2790	4.7	JRTR89DN160M4 JRTRF89DN160M4
286	3300	6.21	2680	5.1	
83	11400	21.51	2870	1.15	
93	10100	19.10	2810	1.25	
104	9080	17.08	2750	1.35	
116	8170	15.35	2690	1.45	
133	7090	13.33	2610	1.60	
149	6350	11.93	2540	1.70	
179	5260	9.90	2430	2.0	
194	4860	9.14	2440	2.2	
216	4370	8.22	2370	2.4	JRTR79DN160M4 JRTRF79DN160M4
249	3790	7.13	2280	2.5	
278	3390	6.39	2210	2.6	
335	2820	5.30	2100	2.9	
163	5780	10.88	1190	1.00	
184	5130	9.64	1310	1.10	JRTR109DN160M4 JRTRF109DN160M4
229	4110	7.74	1220	1.30	
262	3610	6.79	1320	1.40	
296	3180	5.99	1390	1.50	
334	2820	5.31	1400	1.60	JRTRX99DN160M4 JRTRXF99DN160M4
342	2760	5.19	1920	2.2	
382	2470	4.65	1870	2.5	
423	2230	4.20	1820	3.3	
466	2020	3.81	1780	3.6	
525	1800	3.38	1720	4.1	
578	1630	3.07	1680	4.5	
673	1400	2.64	1610	5.2	JRTRX89DN160M4 JRTRXF89DN160M4
393	2400	4.52	1530	2.2	
439	2150	4.04	1490	2.5	
488	1930	3.64	1450	2.7	
539	1750	3.30	1410	3.0	
608	1550	2.92	1370	3.4	
672	1400	2.64	1330	3.7	
793	1190	2.24	1270	4.4	
908	1040	1.96	1230	4.8	
1085	870	1.64	1170	5.1	JRTRX79DN160M4 JRTRXF79DN160M4
1255	750	1.42	1120	5.3	
511	1840	3.48	1080	1.95	
575	1640	3.09	1050	2.2	
643	1460	2.76	1030	2.4	
716	1320	2.48	1000	2.7	
825	1140	2.15	970	3.0	
921	1020	1.93	940	3.1	
1110	850	1.60	890	3.3	
1275	740	1.39	860	3.5	

Output speed n_s [r/min]	Output torque T_s lbf • in	Ratio i	Permitted overhung load $F_{R0.1}$ lbf	Service factor f_s	Model
15.0HP					
731	1290	2.43	560	1.45	JRTRX79DN160M4 JRTRXF79DN160M4
834	1130	2.13	600	1.55	
945	1000	1.88	625	1.65	
1065	880	1.67	645	1.75	
1250	755	1.42	655	1.80	
20HP					
7.8	149500	229	27000	1.05	JRTR169R109DN160L4
8.9	130100	200	27000	1.20	JRTRF169R109DN160L4
10	109300	169	27000	1.45	JRTR169R109DN160L4 JRTRF169R109DN160L4
7.8	150500	227	27000	1.05	
9.0	131000	198	27000	1.20	
11	110700	168	27000	1.45	
11	105000	159	14600	1.10	
7.7	162800	229.71	27000	1.00	JRTR169DN160L4 JRTRF169DN160L4
9.5	132500	186.93	27000	1.20	
12	108500	153.07	27000	1.45	
13	99200	139.98	27000	1.60	
15	86300	121.81	27000	1.85	
17	76200	107.49	27000	2.1	
19	66000	93.19	27000	2.4	
21	58700	82.91	27000	2.7	
24	52200	73.70	27000	3.0	
26	47700	67.40	27000	3.3	
39	32600	46.00	27000	1.90	JRTR169DN160L4
47	26700	37.74	27000	3.0	JRTRF169DN160L4
11	115800	163.31	14000	1.00	JRTR149DN160L4 JRTRF149DN160L4
12	104100	146.91	14600	1.10	
15	84900	119.86	15400	1.35	
16	77500	109.31	15600	1.50	
19	67000	94.60	15900	1.70	
21	59100	83.47	16100	1.95	
25	51100	72.09	16300	2.2	
27	47500	66.99	16300	2.4	
29	43300	61.09	16400	2.7	
34	37400	52.87	16500	3.1	
38	33000	46.65	16600	3.5	
20	62900	88.70	12400	1.15	JRTR139DN160L4 JRTRF139DN160L4
22	57300	80.91	12600	1.25	
24	52100	73.49	12900	1.35	
27	46200	65.20	13100	1.55	
30	41900	59.17	13200	1.70	
35	36000	50.86	13400	1.95	
40	31400	44.39	13500	2.2	
47	26700	37.65	13600	2.6	
54	23300	32.91	13600	3.0	
64	19700	27.83	13700	3.4	
34	37300	52.68	5440	1.00	JRTR109DN160L4 JRTRF109DN160L4
37	33700	47.63	5360	1.15	
44	28600	40.37	5210	1.35	
50	25000	35.26	5080	1.50	
60	20900	29.49	4900	1.80	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{\text{zul}}}$ [lbf]	Service factor f_s	Model
20HP					
58	21800	30.77	4940	1.75	JRTR109DN160L4
64	19500	27.58	4830	1.95	
71	17600	24.90	4720	2.1	
79	16000	22.62	4610	2.4	
89	14200	20.07	4480	2.7	
98	12900	18.21	4380	3.0	
114	11000	15.65	4210	3.4	
130	9680	13.66	4060	3.9	
48	26300	37.13	3760	1.00	JRTR99DN160L4
53	23500	33.25	3720	1.10	JRTR99DN160L4
64	19500	27.58	3630	1.20	
71	17700	25.03	3570	1.40	JRTR99DN160L4
79	15800	22.37	3500	1.50	
88	14200	20.14	3440	1.60	
97	12900	18.24	3370	1.70	
110	11400	16.17	3290	1.85	
122	10300	14.62	3220	1.95	
143	8780	12.39	3100	2.2	
164	7670	10.83	3000	2.4	
191	6580	9.29	2940	2.7	
212	5950	8.39	2860	3.0	
250	5040	7.12	2730	3.5	
286	4400	6.21	2630	3.8	
104	12100	17.08	2560	1.00	JRTR89DN160L4
116	10800	15.35	2520	1.10	
133	9450	13.33	2460	1.20	
149	8460	11.93	2410	1.30	
179	7020	9.90	2320	1.50	
194	6480	9.14	2360	1.65	
216	5820	8.22	2300	1.75	
249	5050	7.13	2220	1.85	
278	4530	6.39	2150	2.0	
335	3750	5.30	2050	2.1	
342	3680	5.19	1830	1.65	JRTRX109DN160L4
382	3290	4.65	1790	1.85	
423	2970	4.20	1750	2.5	
466	2700	3.81	1710	2.7	
525	2400	3.38	1660	3.1	
579	2170	3.07	1620	3.4	
673	1870	2.64	1560	3.9	
771	1630	2.30	1500	4.5	
909	1380	1.95	1430	4.9	
1040	1210	1.71	1380	5.2	
1230	1020	1.44	1320	5.6	JRTRX99DN160L4
393	3200	4.52	1450	1.65	
439	2860	4.04	1420	1.85	
488	2580	3.64	1380	2.0	
539	2330	3.30	1350	2.2	
608	2070	2.92	1320	2.5	
672	1870	2.64	1280	2.8	
793	1580	2.24	1230	3.3	
908	1380	1.96	1190	3.6	
1085	1160	1.64	1130	3.9	
1255	1000	1.42	1090	4.0	JRTRXF99DN160L4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{zul}}$ [lbf]	Service factor f_s	Model
20HP					
511	2460	3.48	1010	1.45	JRTRX89DN160L4 JRTRXF89DN160L4
576	2180	3.09	990	1.65	
644	1950	2.76	970	1.85	
716	1750	2.48	950	2.0	
825	1520	2.15	920	2.2	
921	1360	1.93	900	2.3	
1110	1130	1.60	860	2.5	
1275	980	1.39	830	2.6	
25HP					
11	137300	169	27000	1.15	JRTR169R109DN180M4 JRTRF169R109DN180M4
11	138700	168	27000	1.15	JRTR169R109DN180M4 JRTRF169R109DN180M4
12	135300	153.07	27000	1.20	JRTR169DN180M4 JRTRF169DN180M4
13	123800	139.98	27000	1.30	
15	107700	121.81	27000	1.50	
17	95000	107.49	27000	1.70	
19	82400	93.19	27000	1.95	
21	73300	82.91	27000	2.2	
24	65100	73.70	27000	2.4	
26	59600	67.40	27000	2.7	
30	51800	58.65	27000	3.1	
47	33300	37.74	27000	2.4	
15	106000	119.86	14500	1.10	JRTR149DN180M4 JRTRF149DN180M4
16	96600	109.31	14900	1.20	
19	83600	94.60	15400	1.35	
21	73800	83.47	15700	1.55	
25	63700	72.09	16000	1.80	
27	59200	66.99	16100	1.95	
29	54000	61.09	16200	2.1	
34	46700	52.87	16300	2.5	
38	41200	46.65	16400	2.8	
44	35600	40.29	16500	3.2	
22	71500	80.91	12000	1.00	JRTR139DN180M4 JRTRF139DN180M4
24	64900	73.49	12300	1.10	
27	57600	65.20	12600	1.25	
30	52300	59.17	12800	1.35	
35	44900	50.86	13100	1.55	
40	39200	44.39	13300	1.80	
47	33300	37.65	13400	2.1	
54	29100	32.91	13500	2.4	
64	24600	27.83	13600	2.8	
60	26100	29.57	13600	2.6	
74	21300	24.12	13600	3.3	
81	19400	22.00	13700	3.6	
94	16800	19.04	13700	4.2	
106	14800	16.80	13700	4.8	
44	35700	40.37	4910	1.05	JRTR109DN180M4
51	31100	35.26	4810	1.20	JRTRF109DN180M4
60	26000	29.49	4670	1.45	



Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load F_{H_1} lbf	Service factor f_s	Model
25HP					
72	22000	24.90	4530	1.75	
79	20000	22.62	4440	1.90	
89	17700	20.07	4330	2.1	
98	16100	18.21	4240	2.4	
114	13800	15.65	4090	2.8	JRTR109DN180M4
130	12000	13.66	3960	3.1	JRTRF109DN180M4
154	10200	11.59	3800	3.7	
176	8950	10.13	3670	4.2	
227	6940	7.86	3470	3.8	
267	5890	6.66	3310	4.5	
88	17800	20.14	3250	1.30	
98	16100	18.24	3200	1.35	
110	14300	16.17	3140	1.50	
122	12900	14.62	3080	1.55	
144	10900	12.39	2980	1.75	
165	9570	10.83	2900	1.95	JRTR99DN180M4
192	8210	9.29	2870	2.2	JRTRF99DN180M4
212	7420	8.39	2800	2.4	
250	6290	7.12	2680	2.8	
287	5490	6.21	2580	3.0	
343	4590	5.20	2460	3.4	
396	3970	4.50	2360	3.6	
149	10500	11.93	2280	1.05	
180	8750	9.90	2210	1.20	
195	8080	9.14	2270	1.30	JRTR89DN180M4
217	7260	8.22	2220	1.40	JRTRF89DN180M4
250	6300	7.13	2150	1.50	
279	5640	6.39	2090	1.60	
336	4680	5.30	2000	1.70	
424	3710	4.20	1670	2.0	
467	3370	3.81	1640	2.2	
526	2990	3.38	1600	2.5	
580	2710	3.07	1560	2.7	JRTRX109DN180M4
675	2330	2.64	1510	3.1	JRTRXF109DN180M4
773	2030	2.30	1460	3.6	
911	1720	1.95	1400	3.9	
1045	1510	1.71	1350	4.1	
1235	1270	1.44	1290	4.5	
489	3210	3.64	1320	1.65	
540	2910	3.30	1290	1.80	
609	2580	2.92	1260	2.0	JRTRX99DN180M4
674	2330	2.64	1240	2.2	JRTRXF99DN180M4
795	1980	2.24	1190	2.7	
910	1730	1.96	1150	2.9	
1090	1440	1.64	1100	3.1	
1255	1250	1.42	1060	3.2	
645	2440	2.76	870	1.45	
718	2190	2.48	890	1.65	JRTRX89DN180M4
827	1900	2.15	870	1.80	JRTRXF89DN180M4
923	1700	1.93	850	1.85	
1115	1410	1.60	820	1.95	
1280	1230	1.39	795	2.1	

Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load F_{H_1} lbf	Service factor f_s	Model
30HP					
12	162400	153.07	27000	1.00	
13	148500	139.98	27000	1.05	
15	129200	121.81	27000	1.25	
17	114000	107.49	27000	1.40	
19	98900	93.19	27000	1.60	JRTR169DN180L4
21	87900	82.91	27000	1.80	JRTRF169DN180L4
24	78200	73.70	27000	2.0	
26	71500	67.40	27000	2.2	
30	62200	58.65	27000	2.6	
34	54900	51.76	27000	2.9	
40	47600	44.87	27000	3.3	
47	40000	37.74	27000	2.0	JRTR169DN180L4
58	32500	30.71	27000	2.7	JRTRF169DN180L4
16	116000	109.31	14000	1.00	
19	100300	94.60	14800	1.15	
21	88500	83.47	15200	1.30	
25	76500	72.09	15600	1.50	
27	71000	66.99	15800	1.60	JRTR149DN180L4
29	64800	61.09	16000	1.75	JRTRF149DN180L4
34	56100	52.87	16200	2.0	
38	49500	46.65	16300	2.3	
44	42700	40.29	16400	2.7	
50	37800	35.64	16500	3.0	
59	31700	29.95	16600	3.6	
27	69100	65.20	12100	1.00	
30	62700	59.17	12400	1.15	
35	53900	50.86	12800	1.30	JRTR139DN180L4
40	47100	44.39	13000	1.50	JRTRF139DN180L4
47	39900	37.65	13300	1.75	
54	34900	32.91	13400	2.0	
64	29500	27.83	13500	2.3	
60	31300	29.57	13500	2.2	
74	25600	24.12	13600	2.8	
81	23300	22.00	13600	3.0	JRTR139DN180L4
94	20200	19.04	13700	3.5	JRTRF139DN180L4
106	17800	16.80	13700	4.0	
123	15300	14.51	13600	4.6	
139	13600	12.83	13200	5.2	
51	37400	35.26	4550	1.00	JRTR109DN180L4
60	31200	29.49	4450	1.20	JRTRF109DN180L4
72	26400	24.90	4340	1.45	
79	24000	22.62	4270	1.60	
89	21200	20.07	4180	1.80	
98	19300	18.21	4100	1.95	
114	16600	15.65	3970	2.3	JRTR109DN180L4
130	14400	13.66	3860	2.6	JRTRF109DN180L4
154	12200	11.59	3710	3.1	
176	10700	10.13	3590	3.5	
208	9080	8.56	3440	4.2	
227	8330	7.86	3420	3.1	
267	7070	6.66	3270	3.7	
306	6180	5.82	3140	4.2	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{\max}}$ [lbf]	Service factor f_s	Model	
30HP						
88	21300	20.14	3070	1.10	JRTR99DN180L4 JRTRF99DN180L4	
98	19300	18.24	3040	1.15		
110	17100	16.17	2990	1.25		
122	15500	14.62	2950	1.30		
144	13100	12.39	2870	1.45		
165	11400	10.83	2800	1.60		
192	9850	9.29	2800	1.80		
212	8900	8.39	2740	2.0		
250	7550	7.12	2630	2.3		
287	6590	6.21	2540	2.5		
343	5510	5.20	2420	2.9	JRTR89DN180L4 JRTRF89DN180L4	
396	4770	4.50	2330	3.0		
180	10500	9.90	2110	1.00		
195	9700	9.14	2190	1.10		
217	8720	8.22	2150	1.20		
250	7570	7.13	2090	1.25		
279	6770	6.39	2040	1.35	JRTRX109DN180L4 JRTRXF109DN180L4	
336	5620	5.30	1950	1.45		
424	4450	4.20	1600	1.65		
467	4040	3.81	1570	1.80		
526	3590	3.38	1540	2.0		
580	3250	3.07	1510	2.2		
675	2800	2.64	1460	2.6		
773	2440	2.30	1410	3.0	JRTRX99DN180L4 JRTRXF99DN180L4	
911	2070	1.95	1360	3.3		
1045	1810	1.71	1310	3.4		
1235	1530	1.44	1260	3.7		
489	3880	3.64	1250	1.35		
540	3490	3.30	1230	1.50		
609	3100	2.92	1210	1.70		
674	2800	2.64	1190	1.90		
795	2370	2.24	1150	2.2	JRTRX89DN180L4 JRTRXF89DN180L4	
910	2070	1.96	1110	2.4		
1090	1730	1.64	1070	2.6		
1255	1500	1.42	1030	2.7		
645	2920	2.76	920	1.20		
718	2630	2.48	890	1.35		
827	2280	2.15	865	1.50		
923	2040	1.93	810	1.55		
1115	1690	1.60	750	1.65	JRTR169DN200L4 JRTRF169DN200L4	
1280	1470	1.39	760	1.75		
40HP						
17	151900	107.49	27000	1.05		JRTR169DN200L4 JRTRF169DN200L4
19	131700	93.19	27000	1.20		
22	117100	82.91	27000	1.35		
24	104100	73.70	27000	1.55		
26	95200	67.40	27000	1.65		
30	82800	58.65	27000	1.90		
34	73100	51.78	27000	2.2		
40	63400	44.87	27000	2.5		
45	56400	39.92	27000	2.8		
52	48600	34.41	27000	3.3		
64	39500	27.96	27000	4.0		
75	33500	23.71	27000	4.8		

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{\text{max}}}$ [lbf]	Service factor f_s	Model
40HP					
58	43400	30.71	27000	2.0	JRTR169DN200L4 JRTRF169DN200L4
25	101800	72.09	14700	1.15	JRTR149DN200L4 JRTRF149DN200L4
27	94600	66.99	15000	1.20	
29	86300	61.09	15300	1.35	
34	74700	52.87	15700	1.55	
38	65900	46.65	15900	1.75	
44	56900	40.29	16100	2.0	
50	50300	35.64	16300	2.3	
60	42300	29.95	16400	2.7	JRTR149DN200L4 JRTRF149DN200L4
74	34100	24.19	16500	3.1	
87	28800	20.44	16600	3.7	
99	25400	18.04	16600	3.6	
114	22100	15.64	16700	5.2	JRTR139DN200L4 JRTRF139DN200L4
35	71800	50.86	11900	1.00	
40	62700	44.39	12400	1.15	
47	53200	37.65	12800	1.35	
54	46500	32.91	13100	1.50	
64	39300	27.83	13300	1.75	
74	34000	24.12	13400	2.1	
81	31000	22.00	13500	2.3	JRTR139DN200L4 JRTRF139DN200L4
94	26900	19.04	13500	2.6	
106	23700	16.80	13300	3.0	
123	20500	14.51	13000	3.5	
139	18100	12.83	12700	3.9	
165	15200	10.79	12300	4.6	
235	10700	7.59	11500	4.2	
279	9010	6.38	11000	5.0	JRTR109DN200L4 JRTRF109DN200L4
89	28300	20.07	3880	1.35	
98	25700	18.21	3830	1.50	
114	22100	15.65	3740	1.70	
131	19300	13.66	3650	1.95	
154	16300	11.59	3540	2.3	
176	14300	10.13	3440	2.7	
208	12100	8.56	3310	3.1	
227	11100	7.86	3320	2.4	
268	9410	6.66	3180	2.8	JRTR99DN200L4 JRTRF99DN200L4
306	8230	5.82	3070	3.2	
362	6960	4.92	2930	3.7	
122	20600	14.62	2680	1.00	
144	17500	12.39	2640	1.10	
165	15300	10.83	2600	1.20	
192	13100	9.29	2670	1.35	
212	11800	8.39	2610	1.50	
251	10000	7.12	2520	1.75	
287	8780	6.21	2450	1.90	JRTRX109DN200L4 JRTRXF109DN200L4
343	7340	5.20	2340	2.1	
396	6360	4.50	2260	2.3	
527	4780	3.38	1410	1.55	
581	4340	3.07	1390	1.70	
675	3730	2.64	1360	1.95	
774	3250	2.30	1330	2.2	
912	2780	1.95	1280	2.5	
1045	2410	1.71	1240	2.6	
1235	2040	1.44	1200	2.8	



Output speed n_s [r/min]	Output torque T_s lbf • in	Ratio i	Permitted overhung load $F_{H_{\max}}$ lbf	Service factor f_s	Model
40HP					
610	4130	2.92	990	1.25	JRTRX99DN200L4 JRTRXF99DN200L4
675	3730	2.64	1060	1.40	
796	3160	2.24	1060	1.65	
911	2760	1.96	1040	1.80	
1090	2310	1.64	1000	1.95	
1260	2000	1.42	970	2.0	
50HP					
22	146300	82.91	27000	1.10	JRTR169DN225S4 JRTRF169DN225S4
24	130000	73.70	27000	1.20	
26	118900	67.40	27000	1.35	
30	103500	58.65	27000	1.55	
34	91300	51.76	27000	1.75	
40	79100	44.87	27000	2.0	
45	70400	39.92	27000	2.3	
52	60700	34.41	27000	2.6	
64	49300	27.96	27000	3.2	JRTR169DN225S4 JRTRF169DN225S4
58	54100	30.71	27000	1.65	
73	43300	24.57	27000	2.9	
82	38500	21.85	27000	3.0	
94	33500	19.03	27000	4.2	
105	29900	16.98	27000	4.4	
29	107800	61.09	14400	1.05	
34	93300	52.87	15000	1.25	
38	82300	46.65	15400	1.40	
44	71100	40.29	15800	1.60	
50	62800	35.64	16000	1.85	
60	52800	29.95	16200	2.2	
74	42600	24.19	16400	2.5	
87	36000	20.44	16500	2.9	
99	31800	18.04	16600	2.9	
114	27500	15.64	16600	4.2	
128	24500	13.91	16600	4.5	
47	66400	37.65	12200	1.05	
54	58000	32.91	12600	1.20	
64	49100	27.83	13000	1.40	
74	42500	24.12	13000	1.65	
81	38800	22.00	12900	1.80	
94	33600	19.04	12800	2.1	
106	29600	16.80	12600	2.4	
123	25600	14.51	12400	2.8	
139	22600	12.83	12200	3.1	
166	19000	10.79	11800	3.7	
205	15300	8.71	11400	4.5	
235	13300	7.59	11200	3.4	
280	11200	6.38	10800	4.0	
346	9090	5.15	10300	4.5	

Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load $F_{H_{\max}}$ lbf	Service factor f_s	Model
50HP					
89	35400	20.07	3580	1.05	JRTR109DN225S4 JRTRF109DN225S4
98	32100	18.21	3560	1.20	
114	27600	15.65	3510	1.40	
131	24100	13.66	3450	1.60	
154	20400	11.59	3360	1.85	
176	17800	10.13	3290	2.1	
208	15100	8.56	3180	2.5	JRTR99DN225S4 JRTRF99DN225S4
227	13800	7.86	3220	1.90	
268	11700	6.66	3100	2.2	
306	10200	5.82	2990	2.6	
362	8690	4.92	2870	3.0	
192	16300	9.29	2530	1.10	JRTR99DN225S4 JRTRF99DN225S4
213	14800	8.39	2490	1.20	
251	12500	7.12	2420	1.40	
287	10900	6.21	2350	1.50	
343	9170	5.20	2270	1.70	
397	7940	4.50	2190	1.80	JRTRX109DN225S4 JRTRXF109DN225S4
527	5970	3.38	1290	1.25	
581	5420	3.07	1280	1.35	
676	4650	2.64	1260	1.60	
775	4060	2.30	1240	1.80	
913	3440	1.95	1210	1.95	
1045	3010	1.71	1180	2.1	JRTRX99DN225S4 JRTRXF99DN225S4
1235	2540	1.44	1140	2.2	
611	5150	2.92	410	1.00	
675	4660	2.64	520	1.15	
797	3950	2.24	650	1.35	
912	3450	1.96	755	1.45	
1090	2880	1.64	830	1.55	JRTR169DN225M4 JRTRF169DN225M4
1260	2500	1.42	870	1.60	
24	156000	73.70	27000	1.00	
26	142700	67.40	27000	1.10	
30	124200	58.65	27000	1.30	
34	109600	51.76	27000	1.45	
40	95000	44.87	27000	1.70	JRTR169DN225M4 JRTRF169DN225M4
45	84500	39.92	27000	1.90	
52	72800	34.41	27000	2.2	
64	59200	27.96	27000	2.7	
75	50200	23.71	27000	3.2	
58	65000	30.71	27000	1.35	JRTR169DN225M4 JRTRF169DN225M4
73	52000	24.57	27000	2.4	
82	46200	21.85	27000	2.5	
94	40300	19.03	27000	3.5	
105	35900	16.98	27000	3.7	
34	111900	52.87	14200	1.05	JRTR149DN225M4 JRTRF149DN225M4
38	98800	46.65	14800	1.15	
44	85300	40.29	15300	1.35	
50	75400	35.64	15700	1.50	
60	63400	29.95	16000	1.80	
74	51200	24.19	16300	2.1	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
60HP					
87	43200	20.44	16400	2.5	JRTR149DN225M4 JRTRF149DN225M4
99	38100	18.04	16500	2.4	
114	33100	15.64	16600	3.5	
128	29400	13.91	16600	3.8	
149	25300	11.99	16600	4.5	
246	15300	7.25	16600	5.0	JRTR139DN225M4 JRTRF139DN225M4
54	69600	32.91	11600	1.00	
64	58900	27.83	11900	1.15	JRTR139DN225M4 JRTRF139DN225M4
74	51000	24.12	12000	1.40	
81	46500	22.00	12000	1.50	
94	40300	19.04	12000	1.75	
106	35500	16.80	11900	2.0	
123	30700	14.51	11800	2.3	
139	27100	12.83	11700	2.6	
166	22800	10.79	11400	3.1	
205	18400	8.71	11000	3.8	
235	16000	7.59	10900	2.8	
280	13500	6.38	10500	3.4	JRTR109DN225M4 JRTRF109DN225M4
346	10900	5.15	10100	3.7	
114	33100	15.65	3270	1.15	
131	28900	13.66	3240	1.30	
154	24500	11.59	3190	1.55	
176	21400	10.13	3140	1.75	
208	18100	8.56	3060	2.1	
227	16600	7.86	3120	1.60	JRTRX109DN225M4 JRTRXF109DN225M4
268	14100	6.66	3010	1.85	
306	12300	5.82	2920	2.1	
362	10400	4.92	2810	2.5	
527	7160	3.38	755	1.00	
581	6500	3.07	870	1.15	JRTR169DN225M4 JRTRF169DN225M4
676	5590	2.64	1010	1.30	
775	4880	2.30	1110	1.50	
913	4130	1.95	1130	1.65	
1045	3610	1.71	1110	1.70	
1235	3050	1.44	1080	1.85	75HP
30	155200	58.65	27000	1.05	
34	137000	51.76	27000	1.15	
40	118700	44.87	27000	1.35	
45	105600	39.92	27000	1.50	
52	91000	34.41	27000	1.75	
64	74000	27.96	27000	2.1	
75	62700	23.71	27000	2.5	
73	65000	24.57	27000	1.90	
82	57800	21.85	27000	2.0	
94	50300	19.03	27000	2.8	JRTR189DN250M4 JRTRF189DN250M4
105	44900	16.98	27000	3.0	
123	38300	14.48	27000	4.2	
149	31700	11.99	25900	4.7	
44	106600	40.29	14500	1.10	
50	94300	35.64	15000	1.20	JRTR149DN250M4 JRTRF149DN250M4
60	79200	29.95	15500	1.45	
74	64000	24.19	16000	1.65	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
75HP					
87	54100	20.44	16200	1.95	JRTR149DN250M4 JRTRF149DN250M4
99	47700	18.04	16300	1.95	
114	41300	15.64	16400	2.8	
128	36800	13.91	16500	3.0	
149	31700	11.99	16600	3.6	
183	25700	9.74	16600	4.5	JRTR139DN250M4 JRTRF139DN250M4
246	19100	7.25	16300	4.0	
303	15500	5.89	15500	4.9	
94	50400	19.04	10900	1.40	
106	44400	16.80	10900	1.60	
123	38400	14.51	10900	1.85	
139	33900	12.83	10900	2.1	
166	28500	10.79	10800	2.5	JRTR169DN280S4 JRTRF169DN280S4
205	23000	8.71	10500	3.0	
235	20000	7.59	10500	2.2	
280	16800	6.38	10200	2.7	
346	13600	5.15	9780	3.0	
100HP					
40	158300	44.87	27000	1.00	JRTR169DN280S4 JRTRF169DN280S4
45	140900	39.92	27000	1.15	
52	121400	34.41	27000	1.30	
64	98600	27.96	27000	1.60	
75	83600	23.71	27000	1.90	
73	86700	24.57	27000	1.45	JRTR169DN280S4 JRTRF169DN280S4
82	77100	21.85	27000	1.50	
94	67100	19.03	27000	2.1	
105	59900	16.98	27000	2.2	
123	51000	14.48	26200	3.1	
149	42300	11.99	25200	3.5	JRTR149DN280S4 JRTRF149DN280S4
174	36100	10.24	24300	4.2	
60	105700	29.95	14500	1.10	
74	85300	24.19	15300	1.25	
87	72100	20.44	15800	1.45	
99	63600	18.04	16000	1.45	
114	55100	15.64	16200	2.1	
128	49100	13.91	16300	2.3	
149	42300	11.99	16400	2.7	
183	34300	9.74	16500	3.3	
216	29100	8.26	16400	3.9	JRTR139DN280S4 JRTRF139DN280S4
246	25500	7.25	15800	3.0	
303	20700	5.89	15100	3.7	
357	17600	5.00	14600	4.3	
94	67200	19.04	8930	1.05	
106	59200	16.80	9230	1.20	
123	51200	14.51	9460	1.40	
139	45200	12.83	9590	1.55	
166	38000	10.79	9660	1.85	JRTR149DN280S4 JRTRF149DN280S4
205	30700	8.71	9630	2.3	
235	26700	7.59	9770	1.70	
280	22500	6.38	9580	2.0	
346	18100	5.15	9300	2.2	



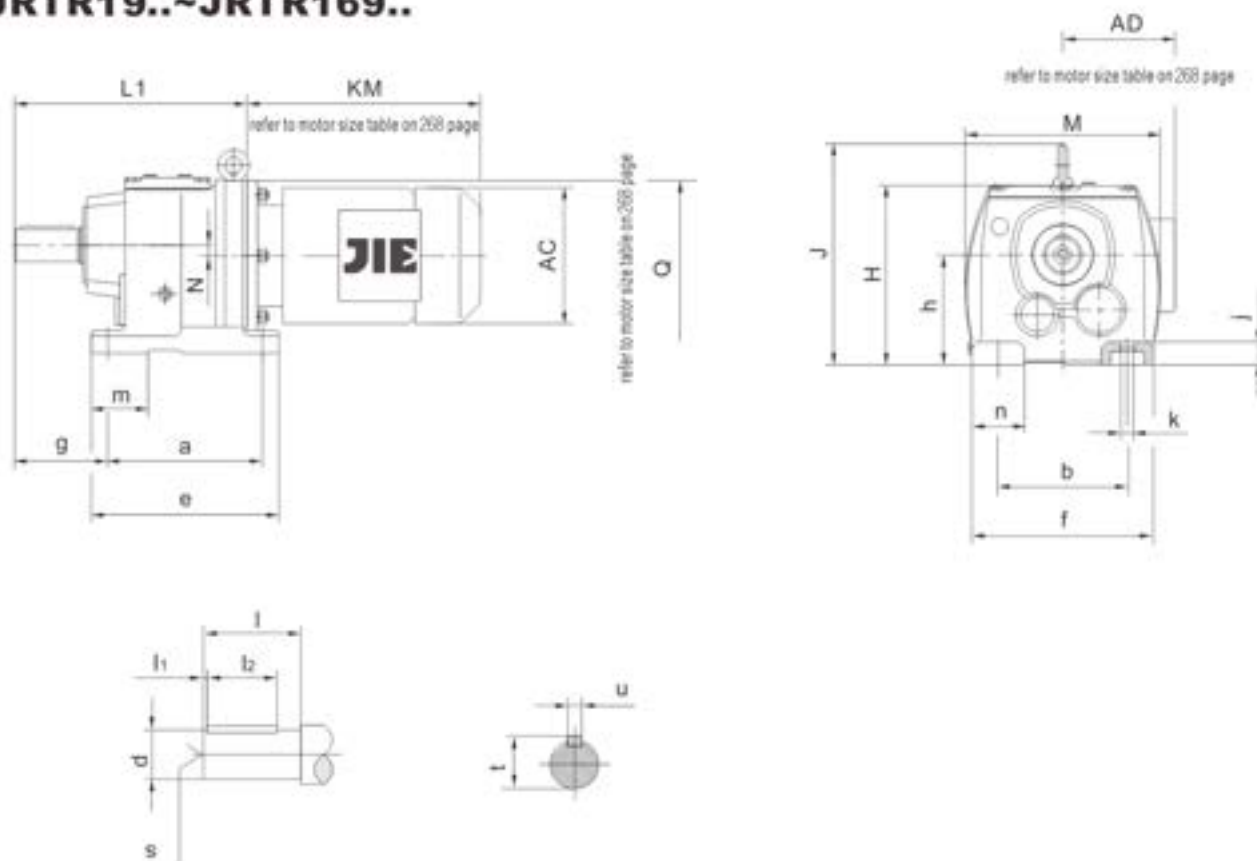
Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
125HP					
52	151900	34.41	27000	1.05	JRTR169DN280M4
64	123400	27.96	27000	1.30	JRTRF169DN280M4
75	104600	23.71	27000	1.50	
73	108400	24.57	27000	1.15	JRTR169DN280M4 JRTRF169DN280M4
82	96400	21.85	27000	1.20	
94	84000	19.03	26500	1.70	
105	74900	16.98	26100	1.75	JRTR169DN280M4
123	63900	14.48	25400	2.5	JRTRF169DN280M4
149	52900	11.99	24500	2.8	
174	45100	10.24	23700	3.3	
74	106700	24.19	14500	1.00	JRTR149DN280M4 JRTRF149DN280M4
87	90200	20.44	15200	1.20	JRTR149DN280M4 JRTRF149DN280M4
99	79600	18.04	15500	1.15	
114	69000	15.64	15800	1.65	
128	61400	13.91	16000	1.80	
149	52900	11.99	16200	2.2	JRTR149DN280M4
183	43000	9.74	16200	2.7	JRTRF149DN280M4
216	36400	8.26	15800	3.1	
246	32000	7.25	15300	2.4	
303	26000	5.89	14700	3.0	
357	22000	5.00	14200	3.5	
123	64000	14.51	8000	1.10	
139	56600	12.83	8290	1.25	
165	47600	10.79	8570	1.50	JRTR139DN280M4
205	38400	8.71	8750	1.80	JRTRF139DN280M4
235	33500	7.59	9060	1.35	
280	28100	6.38	8980	1.60	
346	22700	5.15	8810	1.80	
150HP					
64	147600	27.96	26100	1.10	JRTR169DN315S4
75	125100	23.71	25900	1.25	JRTRF169DN315S4
94	100400	19.03	25400	1.40	JRTR169DN315S4 JRTRF169DN315S4
105	89600	16.98	25000	1.50	
124	76400	14.48	24500	2.1	JRTR169DN315S4
149	63300	11.99	23700	2.4	JRTRF169DN315S4
175	54000	10.24	23100	2.8	
175HP					
76	145900	23.71	24500	1.10	JRTR169DN315M4 JRTRF169DN315M4
94	117100	19.03	24200	1.20	JRTR169DN315M4
105	104500	16.98	24000	1.25	JRTRF169DN315M4
124	89100	14.48	23600	1.80	JRTR169DN315M4
149	73800	11.99	23000	2.0	JRTRF169DN315M4
175	63000	10.24	22500	2.4	
200HP					
124	102000	14.48	22700	1.55	JRTR169DN315L4
149	84500	11.99	22300	1.80	JRTRF169DN315L4
175	72100	10.24	21800	2.1	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
225HP					
124	114700	14.48	21900	1.40	JRTR169DN315L4
149	95000	11.99	21600	1.60	JRTRF169DN315L4
175	81100	10.24	21200	1.85	
250HP					
124	127200	14.48	21000	1.25	JRTR169DN315H4
149	105400	11.99	20900	1.45	JRTRF169DN315H4
175	89900	10.24	20600	1.65	
300HP					
124	152800	14.48	19300	1.05	JRTR169DN315H4
149	126600	11.99	19400	1.20	JRTRF169DN315H4
175	108000	10.24	19400	1.40	

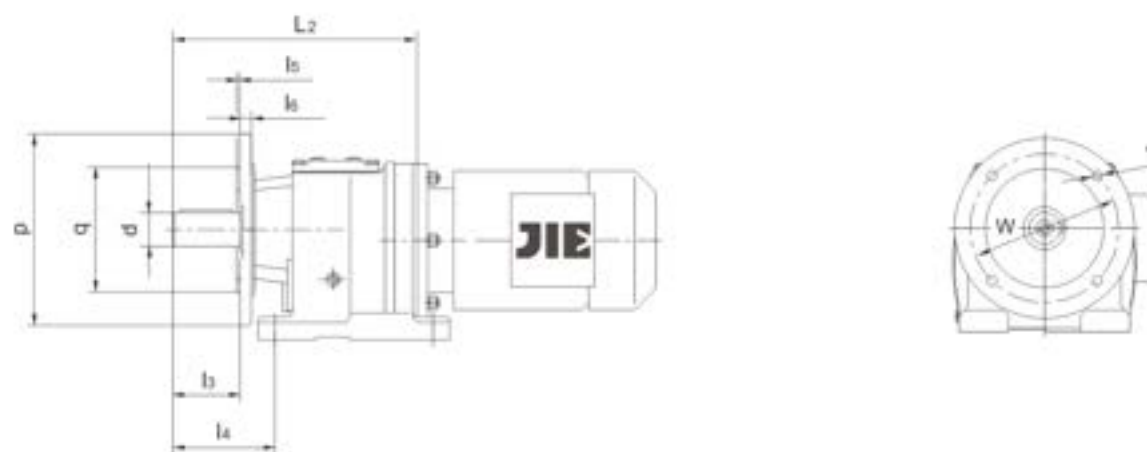


5. Features size table

JRTR19..~JRTR169..



JRTR19F..~JRTR89F..





size	a b	e f	g	h	j	k	m n	Shaft dimension				
								d	l	$\frac{l_1}{l_2}$	s	$\frac{t}{u}$
JRTR19	110	131	58	75 _{±0.3}	12	9	28	0.750in _{-0.0005}	40	0.26in 1.06in	1/4-20×0.63in	0.83in 0.1875in
JRTR19F	110	135					25					
JRTR29	130	152	75	90 _{±0.3}	18	9	27	1.000in _{-0.0005}	50	0.33in 1.31in	3/8-16×0.86in	1.11in 0.250in
JRTR29F	110	145					32					
JRTR39	130	160	75	90 _{±0.3}	18	9	40	1.000in _{-0.0005}	50	0.33in 1.31in	3/8-16×0.86in	1.11in 0.250in
JRTR39F	110	145					35.5					
JRTR49	165	195	90	115 _{±0.3}	24	13.5	50	1.250in _{-0.0005}	60	0.28in 1.69in	1/2-13×1.12in	1.36in 0.250in
JRTR49F	135	170					43					
JRTR59	165	200	100	115 _{±0.3}	24	13.5	60	1.375in _{-0.0005}	70	0.47in 1.81in	1/2-13×1.12in	1.51in 0.3125in
JRTR59F	135	184					52					
JRTR69	195	235	100	130 _{±0.3}	30	14	60	1.375in _{-0.0005}	70	0.47in 1.81in	1/2-13×1.12in	1.51in 0.3125in
JRTR69F	150	204					59					
JRTR79	205	245	115	140 _{±0.3}	30	17.5	60	1.625in _{-0.001}	80	0.45in 2.25in	5/8-11×1.37in	1.79in 0.375in
JRTR79F	170	228					66					
JRTR89	260	310	140	180 _{±0.3}	45	17.5	90	2.125in _{-0.001}	100	0.66in 2.63in	3/4-10×1.61in	2.35in 0.500in
JRTR89F	215	290					83					
size	flange dimension					H	J	L ₁	L ₂	M	N	Q
	p q	$\frac{l_3}{l_4}$	$\frac{l_5}{l_6}$	v w								
JRTR19	120	40	66	3	6.5	134	/	207	215	140	0	/
JRTR19F	80j6			8	100							
JRTR29	120	50	81	3	6.5	147	/	193	199	151	3.4	120
JRTR29F	80j6			8	100							
JRTR39	120	50	81	3	6.6	149.5	/	201	207	156	10.1	120
JRTR39F	80j6			8	100							
JRTR49	140	60	90	3	9	185	/	235	235	174	14	160
JRTR49F	95j6			10	115							
JRTR59	160	70	100	3.5	9	186	/	257	257	200	11.2	160
JRTR59F	110j6			10	130							
JRTR69	200	70	100	3.5	11	209.5	243	280	280	210	20.7	160
JRTR69F	130j6			12	165							
JRTR79	250	80	115	4	13.5	228	269	300	300	236	15.9	200
JRTR79F	180j6			15	215							
JRTR89	300	100	140	4	13.5	292.5	345	372	372	296	12.6	250
JRTR89F	230j6			16	265							

size	a b	e f	g	h	j	k	m n	Shaft dimension					H	J	L ₁ M	N	Q
								d	l	$\frac{l_1}{l_2}$	s	$\frac{t}{u}$					
JRTR99	310	365	160	225 _{±0.3}	55	22	100	2.375in _{-0.001}	120	0.55in 3.63in	3/4-10×1.61in	2.65in 0.625in	365	418	440 348	10.2	300
	250	334					95										
JRTR109F	370	440	185	250 _{±0.3}	65	26	125	2.875in _{-0.001}	140	0.69in 4.13in	3/4-10×1.61in	3.20in 0.750in	408	475	495 409	20.4	350
	290	400					110										
JRTR139	410	490	220	315 _{±0.3}	70	33	130	3.625in _{-0.001}	170	0.66in 5.38in	1-8×2.12in	4.01in 0.875in	495	562	589 458	25.1	400
	340	450					110										
JRTR149F	500	590	260	355 _{±0.3}	80	39	150	4.375in _{-0.001}	210	1.13in 6.00in	1-8×2.12in	4.82in 1.000in	565	637	695 540	33.4	450
	380	530					150										
JRTR169	580	670	270	425 _{±0.3}	100	39	160	4.750in _{-0.001}	210	0.85in 6.56in	1-8×2.12in	5.29in 1.250in	675	749	790 670	59.9	550
	500	660					160										

JRTRF19..~JRTRF169..

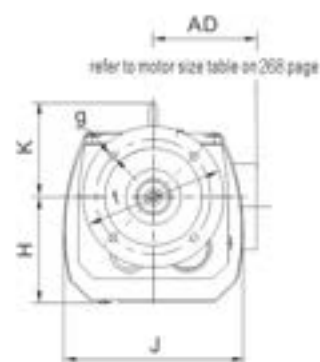
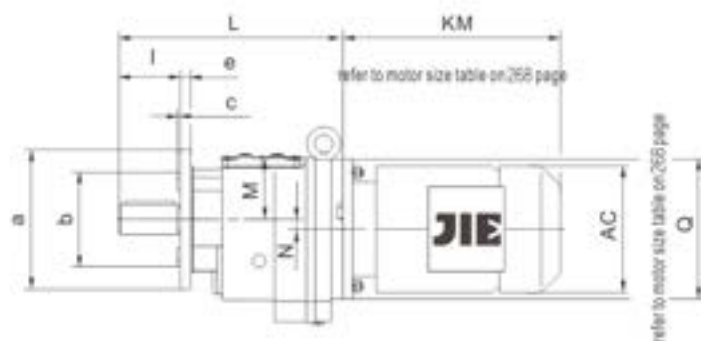
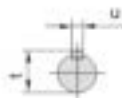
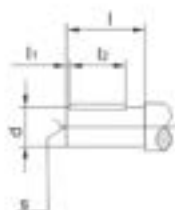


Fig.1



Fig.2

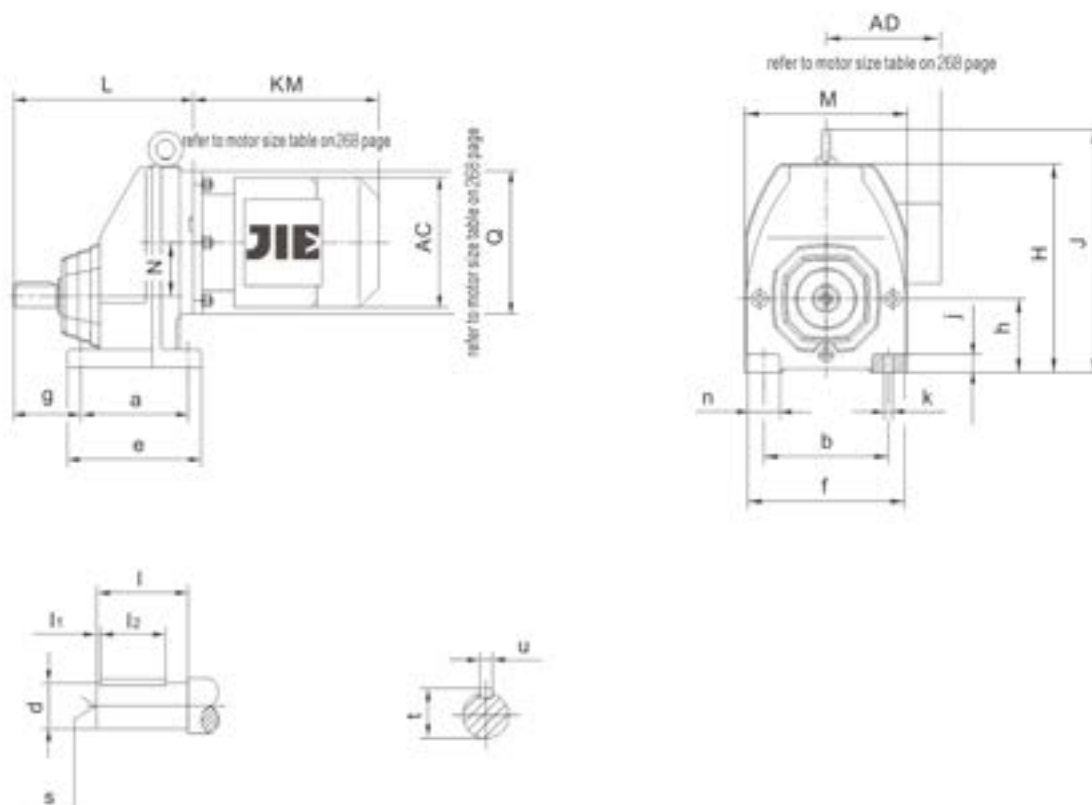
flange form





size	flange	a	b	c	e	f	g	H	L	Q	Shaft dimension				
		a II	b II	c II	e II	f II	g II	J	M		d	l	l ₁	s	t
		a III	b III	c III	e III	f III	g III	K	N				l ₂		u
JRTRF19..	Fig.1	120 140 /	80j6 95j6 /	3 3 /	8 9 /	100 115 /	6.5 8.5 /	76 130 /	215 59 0	/	0.750in-0.0005	40	0.26in 1.06in	1/4-20×0.63in	0.83in 0.1875in
JRTRF29..	Fig.1	120 140 160	80j6 95j6 110j6	3 3 3.5	8 9 10	100 115 130	6.5 8.5 8.5	92 142 /	199 57 3.4	120	1.000in-0.0005	50	0.33in 1.31in	3/8-16×0.86in	1.11in 0.250in
JRTRF39..	Fig.1	120 160 200	80j6 110j6 130j6	3 3.5 3.5	8 10 12	100 130 165	6.6 9 11	96 156 /	207 58.5 10.1	120	1.000in-0.0005	50	0.33in 1.31in	3/8-16×0.86in	1.11in 0.250in
JRTRF49..	Fig.1	140 160 200	95j6 110j6 130j6	3 3.5 3.5	10 10 12	115 130 165	9 9 11	117 174 /	235 67.5 14	160	1.250in-0.0005	60	0.28in 1.69in	1/2-13×1.12in	1.36in 0.250in
JRTRF59..	Fig.1	160 200 250	110j6 130j6 180j6	3.5 3.5 4	10 12 15	130 165 215	9 11 13.5	117 200 /	257 71 11.2	160	1.375in-0.0005	70	0.47in 1.81in	1/2-13×1.12in	1.51in 0.3125in
JRTRF69..	Fig.1	200 250 /	130j6 180j6 /	3.5 4 /	12 15 /	165 215 /	11 13.5 /	134 217 113	280 81.5 20.7	160	1.375in-0.0005	70	0.47in 1.81in	1/2-13×1.12in	1.51in 0.3125in
JRTRF79..	Fig.1	250 300 /	180j6 230j6 /	4 4 /	15 18.5 /	215 265 /	13.5 13.5 /	143 236 127.5	300 87 15.9	200	1.625in-0.001	80	0.45in 2.25in	5/8-11×1.37in	1.79in 0.375in
JRTRF89..	Fig.1	300 350 /	230j6 250h6 /	4 5 /	16 18 /	265 300 /	13.5 17.5 /	183 292 162.5	372 112.5 12.6	250	2.125in-0.001	100	0.66in 2.63in	3/4-10×1.61in	2.35in 0.500in
JRTRF99..	Fig.1 Fig.2 /	350 450 /	250h6 350h6 /	5 5 /	18 22 /	300 400 /	17.5 17.5 /	228 340 193	440 140 10.2	300	2.375in-0.001	120	0.55in 3.63in	3/4-10×1.61in	2.65in 0.625in
JRTRF109..	Fig.1 Fig.2 /	350 450 /	250h6 350h6 /	5 5 /	20 22 /	300 400 /	17.5 17.5 /	255 409 224	495 158 20.4	350	2.875in-0.001	140	0.69in 4.13in	3/4-10×1.61in	3.20in 0.750in
JRTRF139..	Fig.2	450 550 /	350h6 450h6 /	5 5 /	22 25 /	400 500 /	17.5 17.5 /	320 458 247	589 180 25.1	400	3.625in-0.001	170	0.66in 5.38in	1-8×2.12in	4.01in 0.875in
JRTRF149..	Fig.2	450 550 /	350h6 450h6 /	5 5 /	22 25 /	400 500 /	17.5 17.5 /	361 540 285	695 210 33.4	450	4.375in-0.001	210	1.13in 6.00in	1-8×2.12in	4.82in 1.000in
JRTRF169..	Fig.2	550 660 /	450h6 550h6 /	5 6 /	25 28 /	500 600 /	17.5 22 /	430 670 324	790 250 59.9	550	4.750in-0.001	210	0.85in 6.56in	1-8×2.12in	5.29in 1.250in

JRTRX59..~JRTRX109..



size	a	e	g	h	j	k	n	Shaft dimension					H	J	L M	N	Q
	b	f						d	l	l ₁ l ₂	s	t u					
JRTRX59..	110 125	137 156	56	63 _{±0.5}	18	11	31	0.750in-0.0005	40	0.26in 1.06in	1/4-20×0.63in	0.83in 0.1875in	202	/	174 162	52	160
JRTRX69..	120 135	150 170	75	80 _{±0.5}	20	13.5	35	1.000in-0.0005	50	0.33in 1.31in	3/8-16×0.86in	1.11in 0.250in	226	/	201 176	60	160
JRTRX79..	150 170	190 204	85	90 _{±0.5}	25	17.5	50	1.250in-0.0005	60	0.28in 1.69in	1/2-13×1.12in	1.36in 0.250in	271	311	227 210	72	200
JRTRX89..	160 215	206 266	110	100 _{±0.5}	30	17.5	60	1.625in-0.001	80	0.45in 2.25in	5/8-11×1.37in	1.79in 0.375in	332	372	269 272	93.5	250
JRTRX99..	185 250	240 320	140	112 _{±0.5}	35	22	70	2.125in-0.001	100	0.66in 2.63in	3/4-10×1.61in	2.35in 0.500in	393	440	316 328	116	300
JRTRX109..	210 310	260 360	152	140 _{±0.5}	45	22	80	2.375in-0.001	120	0.55in 3.63in	3/4-10×1.61in	2.65in 0.625in	459	506	364 370	130	350

JRTRXF59..~JRTRXF109..

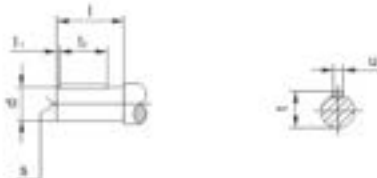
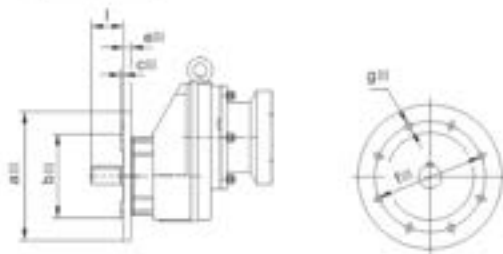
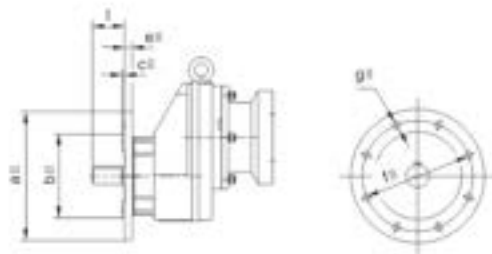


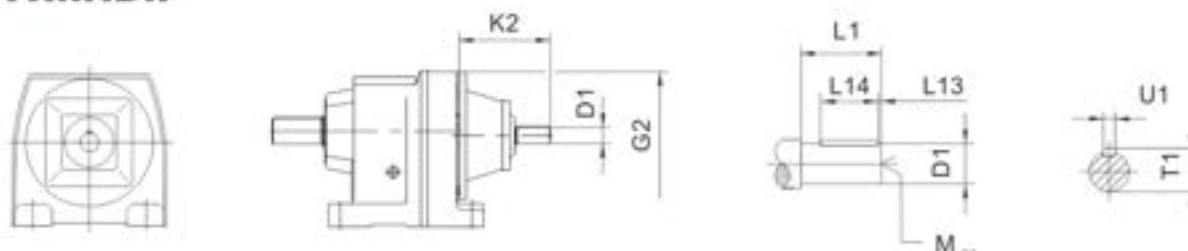
Fig.1

Fig.2

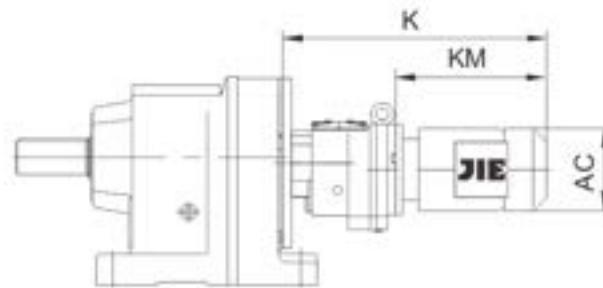
flange form

size	flange dimension	Shaft dimension													
		a	b	c	e	f	g	H	L	Q					
		a II	b II	c II	e II	f II	g II	J	M		d	l	l ₁	s	t
		a III	b III	c III	e III	f III	g III	K	N				l ₂		u
JRTRXF59..	Fig.1	140	95j6	3	10	115	9	139	174	160	0.750in _{-0.0005}	40	0.26in	1/4-20×0.63in	0.83in
		160	110j6	3.5	10	130	9	162	62						
		200	130j6	3.5	12	165	11	/	52						
JRTRXF69..	Fig.1	160	110j6	3.5	10	130	9	147	201	160	1.000in _{-0.0005}	50	0.33in	3/8-16×0.86in	1.11in
		200	130j6	3.5	12	165	11	175	70						
		250	180j6	4	15	215	13.5	/	60						
JRTRXF79..	Fig.1	200	130j6	3.5	12	165	11	181	227	200	1.250in _{-0.0005}	60	0.28in	1/2-13×1.12in	1.36in
		250	180j6	4	15	215	13.5	210	78						
		/	/	/	/	/	/	221	72						
JRTRXF89..	Fig.1	250	180j6	4	15	215	13.5	232	269	250	1.625in _{-0.001}	80	0.45in	5/8-11×1.37in	1.79in
		300	230j6	4	16	265	13.5	272	98						
		/	/	/	/	/	/	272	93.5						
JRTRXF99..	Fig.1	300	230j6	4	16	265	13.5	281	316	300	2.125in _{-0.001}	100	0.66in	3/4-10×1.61in	2.35in
		350	250h6	5	18	300	17.5	328	118						
		/	/	/	/	/	/	328	116						
JRTRXF109..	Fig.1 Fig.2 /	350	250h6	5	18	300	17.5	319	364	350	2.375in _{-0.001}	120	0.55in	3/4-10×1.61in	2.65in
		450	350h6	5	22	400	17.5	370	135						
		/	/	/	/	/	/	366	130						

JRTR..AD..



		G2	K2	D1	L1	L13	L14	T1	U1	M
JRTR..29	AD1	120	102	16k6	40	4	32	18	5	M5
JRTR..39	AD2		130	19k6	40	4	32	21.5	6	M6
JRTR..49	AD2	160	123	19k6	40	4	32	21.5	6	M6
JRTR..59	AD3		159	24k6	50	5	40	27	8	M8
JRTR..69										
JRTR..79	AD2	200	116	19k6	40	4	32	21.5	6	M6
	AD3		151	24k6	50	5	40	27	8	M8
	AD4		224	38k6	80	5	70	41	10	M12
JRTR..89	AD2	250	111	19k6	40	4	32	21.5	6	M6
	AD3		156	28k6	60	5	50	31	8	M10
	AD4		219	38k6	80	5	70	41	10	M12
	AD5		292	42k6	110	10	70	45	12	M16
JRTR..99	AD3	300	151	28k6	60	5	50	31	8	M10
	AD4		214	38k6	80	5	70	41	10	M12
	AD5		287	42k6	110	10	70	45	12	M16
	AD6		327	48k6	110	10	80	51.5	14	M16
JRTR..109	AD3	350	145	28k6	60	5	50	31	8	M10
	AD4		208	38k6	80	5	70	41	10	M12
	AD5		281	42k6	110	10	70	45	12	M16
	AD6		321	48k6	110	10	80	51.5	14	M16
JRTR..139	AD4	400	201	38k6	80	5	70	41	10	M12
	AD5		274	42k6	110	10	70	45	12	M16
	AD6		314	48k6	110	10	80	51.5	14	M16
	AD7		308	55m6	110	10	90	59	16	M20
JRTR..149	AD4	450	193	38k6	80	5	70	41	10	M12
	AD5		266	42k6	110	10	70	45	12	M16
	AD6		306	48k6	110	10	80	51.5	14	M16
	AD7		300	55m6	110	10	90	59	16	M20
	AD8		383	70m6	140	15	110	74.5	20	M20

JRTR..R..

		AC	K	KM
JRTR..29R19 JRTR..39R19	DN63..	120	373	198
	DN71..	135	403	228
	DN80..	156	454	279
JRTR..49R39 JRTR..59R39 JRTR..69R39	DN63..	120	363	198
	DN71..	135	393	228
	DN80..	156	444	279
JRTR..79R39	DN63..	120	355	198
	DN71..	135	385	228
	DN80..	156	436	279
	DN90..	175	508	351
JRTR..89R59	DN63..	120	408	192
	DN71..	135	437	221
	DN80..	156	488	272
	DN90..	175	500	284
JRTR..99R59	DN63..	120	403	192
	DN71..	135	432	221
	DN80..	156	483	272
	DN90..	175	495	284
	DN100..	198	517	359
JRTR..109R79	DN63..	120	433	186
	DN71..	135	461	214
	DN80..	156	512	265
	DN90..	175	524	277
	DN100..	198	599	352
	DN112M	221	628	383
	DN132S	221	628	383
	DN132M	263	708	463
	DN160..	314	755	508
JRTR..139R79	DN63..	120	426	186
	DN71..	135	454	214
	DN80..	156	505	265
	DN90..	175	517	277
	DN100..	198	592	352
	DN112M	221	621	383
	DN132S	221	621	383
	DN132M	263	701	463
	DN160..	314	748	508

		AC	K	KM
JRTR..149R79	DN63..	120	418	186
	DN71..	135	446	214
	DN80..	156	497	265
	DN90..	175	509	277
	DN100..	198	584	352
	DN112M	221	613	383
	DN132S	221	613	383
	DN132M	263	693	463
	DN160..	314	740	508
JRTR..149R89	DN80..	156	540	260
	DN90..	175	552	272
	DN100..	198	627	347
	DN112M	221	626	378
	DN132S	221	626	378
	DN132M	263	736	458
	DN160..	314	783	503
	DN180M	355	704	624
	DN180L	355	952	672
JRTR..169R99	DN90..	175	592	267
	DN100..	198	667	342
	DN112M	221	696	373
	DN132S	221	696	373
	DN132M	263	776	453
	DN160..	314	823	498
	DN180M	355	944	619
	DN180L	355	992	667
JRTR..169R109	DN90L	175	702	320
	DN100..	198	718	336
	DN112M	221	747	367
	DN132S	221	747	367
	DN132M	263	827	447
	DN160..	314	874	492
	DN180M	355	995	613
	DN180L	355	1043	661
	DN200L	397	1056	674
	DN225S	445	1069	687
	DN225M	445	1094	712

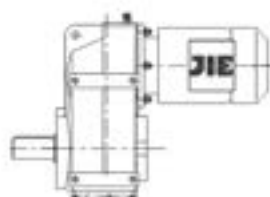
Notes: The dimension of motor in the above table is only for reference. If you have special require, please our company.

VII. JRTF Parallel Shaft Helical Gearmotor

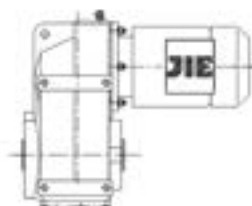
1. Versions of JIE gearmotor



JRTF The following types of Parallel Shaft–Helical Geared Motors can be supplied:

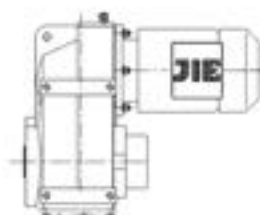


JRTF..D..
Solid shaft

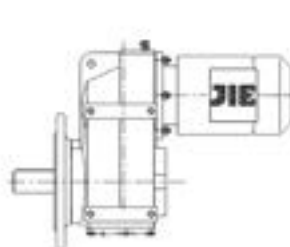


JRTFA..B D..
Hollow shaft with key

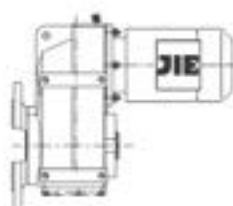
JRTFV..B D..
Aplined hollow shaft



JRTFH..B D..
Shrink disk hollow shaft



JRTFF..D..
Solid shaft
Flange mount (D & B5 style flange with through holes)



JRTFAF..D..

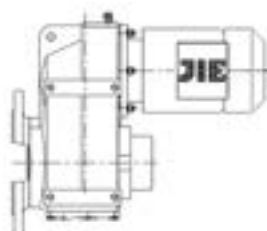
Hollow shaft with key

Flange mount(D & B5 style flange with through holes)

JRTFVF..D..

Hollow shaft with key

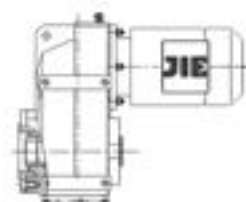
Flange mount(D & B5 style flange with through holes)



JRTFHF..D..

Shrink disk hollow shaft

Flange mount (D & B5 style flange with through holes)



JRTFAZ..D..

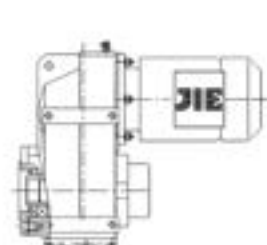
Hollow shaft with key

Face mount (C & B14 style flange with tapped holes)

JRTFVZ..D..

Hollow shaft with key

Face mount (C & B14 style flange with tapped holes)



JRTFHZ..D..

Shrink disk hollow shaft

Face mount (C & B14 style flange with tapped holes)

2. Type of combination

The below is combination table between gear box and electromotor in each list the ratio range.



Motor power hp Type	Stages	0.16-0.50	0.75-1	1.5-2	3-4	5	7.5	10
JRTF/FF/FA_B/FAF39	2	4.22-7.44 8.97-23.63	3.77-23.63	3.77-20.57	3.77-6.74 8.01-14.33 17.03			
JRTF/FF/FA_B/FAF39	3	23.88-128.51	23.88-100.36	23.88-51.70 58.32-88.53	23.88-31.69 38.31 51.70 58.32 70.50			
JRTF/FF/FA_B/FAF49	2	6.34-8.96 13.93-30.86	4.99-30.86	4.99-30.86	4.99-25.72			
JRTF/FF/FA_B/FAF49	3	28.88-190.76	28.88-150.06	28.88-130.07	28.88-56.49 68.09-105.09			
JRTF/FF/FA_B/FAF59	2	6.58-9.31 13.52-40.13	5.18-34.24	5.18-29.94	5.18-24.96	5.18-21.17		
JRTF/FF/FA_B/FAF59	3	30.15-199.70	30.15-167.09	30.15-136.16	30.15-58.97 83.46-110.01	30.15-50.10 83.46-93.47		
JRTF/FF/FA_B/FAF69	2	7.53-9.08 18.29-36.30	5.95-9.08 14.46-36.30	3.97-36.30	3.97-32.08	3.97-27.41	3.97-22.05	3.97-22.05
JRTF/FF/FA_B/FAF69	3	43.20-228.99	34.01-195.39	34.01-170.85	34.01-142.40	34.01-67.65 90.59-120.79	34.01-53.73 90.59-95.94	34.01-53.73 90.59-95.94
JRTF/FF/FA_B/FAF79	2	21.43-36.58	8.26-9.30 17.49-36.58	5.76-9.30 12.20-36.58	4.28-36.58	4.28-31.51	4.28-25.50	4.28-25.50
JRTF/FF/FA_B/FAF79	3	48.37-72.50 94.93-281.71	38.23-225.79	25.54-198.31	25.54-166.47	25.54-142.27	25.54-58.32 75.02-114.45	25.54-58.32 75.02-114.45
JRTF/FF/FA_B/FAF89	2		23.68-33.92	7.35-8.29 17.12-33.92	5.63-8.29 13.12-33.92	5.63-8.29 13.12-33.92	4.12-33.92	4.12-33.92
JRTF/FF/FA_B/FAF89	3		109.49-270.68	39.30-50.36 76.39-270.68	29.20-228.93	29.20-197.20	29.20-159.61	29.20-159.61
JRTF/FF/FA_B/FAF99	2			9.06 22.11-43.28	7.07-9.06 17.25-43.28	7.07-9.06 17.25-43.28	4.57-43.28	4.57-43.28
JRTF/FF/FA_B/FAF99	3			58.06-72.29 80.31 89.85-97.58 112.99-276.77	44.49-72.29 80.31-276.77	44.49-72.29 80.31-276.77	32.50-223.88	32.50-223.88
JRTF/FF/FA_B/FAF109	2				21.76-33.79	21.76-33.79	7.40-9.69 14.67-33.79	7.40-9.69 14.67-33.79
JRTF/FF/FA_B/FAF109	3				58.12-83.99 92.47-254.40	58.12-83.99 92.47-254.40	37.61-254.40	37.61-254.40
JRTF/FF/FA_B/FAF129	2							7.88-8.86 14.55-26.86
JRTF/FF/FA_B/FAF129	3							37.28-170.83



Motor power hp Type	Stages	12.3	15	20	25-30	40
JRTF/FF/FA_B/FAF79	2	4.28-19.70	4.28-19.70			
JRTF/FF/FA_B/FAF79	3	25.54-43.58	25.54-43.58			
JRTF/FF/FA_B/FAF89	2	4.12-26.50	4.12-26.50	4.12-26.50	4.12-21.32	
JRTF/FF/FA_B/FAF89	3	29.20-123.29	29.20-123.29	29.20-123.29	29.20-50.36	
JRTF/FF/FA_B/FAF99	2	4.57-33.91	4.57-33.91	4.57-33.91	4.57-27.44	4.57-22.11
JRTF/FF/FA_B/FAF99	3	32.50-89.85 102.16-174.87	32.50-89.85 102.16-174.87	32.50-89.85 102.16-174.87	32.50-75.63 86.59 102.16-140.71	32.50-58.06 75.63 86.59 102.16-112.99
JRTF/FF/FA_B/FAF109	2	6.22-9.69 12.33-33.79	6.22-9.69 12.33-33.79	6.22-9.69 12.33-33.79	6.22-33.79	6.22-27.57
JRTF/FF/FA_B/FAF109	3	31.80-199.31	31.80-199.31	31.80-199.31	31.80-161.28	31.80-74.52 88.49 101.38-129.97
JRTF/FF/FA_B/FAF129	2	6.80-8.86 12.54-26.86	6.80-8.86 12.54-26.86	6.80-8.86 12.54-26.86	5.52-26.86	4.68-26.86
JRTF/FF/FA_B/FAF129	3	31.33-170.83	31.33-170.83	31.33-170.83	25.30-153.67	25.30-125.37
JRTF/FF/FA_B/FAF159	2		16.85-53.55	16.85-53.55	13.96-43.94	11.92-35.75
JRTF/FF/FA_B/FAF159	3		40.06-267.43	40.06-267.43	32.55-217.62	27.60-178.20
JRTF/FH_B169	2	11.37-36.12	11.37-36.12	11.37-36.12	9.6-29.64	8.19-24.12
JRTF/FH_B169	3	24.56-32.3 57.51-182.73	24.56-32.3 57.51-182.73	24.56-32.3 57.51-182.73	20.35-32.3 57.51-149.94	17.37-122

Motor power hp Type	Stages	50-60	75	100-125	150-200	250-300
JRTF/FF/FA_B/FAF109	2	6.22-27.57				
JRTF/FF/FA_B/FAF109	3	31.80-74.52 88.49 101.38-129.97				
JRTF/FF/FA_B/FAF129	2	4.68-26.86	4.68-21.38	4.68-21.38		
JRTF/FF/FA_B/FAF129	3	25.30-125.37	25.30-55.31 75.41-98.95	25.30-55.31 75.41-98.95		
JRTF/FF/FA_B/FAF159	2	11.92-35.75	11.92-28.60	11.92-28.60	11.92-22.16	11.92-16.85
JRTF/FF/FA_B/FAF159	3	27.60-178.20	27.60-68.28 96.53-141.80	27.60-68.28 96.53-141.80	27.60-52.24 96.53-108.49	27.60-40.06
JRTF/FH_B169	2	8.19-24.12	8.19-19.29	8.19-19.29	8.19-14.95	8.19-11.37
JRTF/FH_B169	3	17.37-122	17.37-97.6	17.37-97.6	17.37-75.62	17.37-24.66 40.67-57.51

3. Ratio and Max. Torque

JRTF39-59 $n_g = 1700$ r/min


JRTF39			1760lbf · in	
i	n_a [r/min]	M_{max} lbf · in	F_{Ra} lbf	AD
3-stage				
128.51	13	1760	960	AD1
117.88	14	1760	960	
100.36	17	1760	960	
86.53	20	1760	960	
80.65	21	1760	960	
70.50	24	1760	960	
66.09	26	1760	960	
58.32	29	1760	960	
54.54	31	1760	960	
51.70	33	1760	960	AD2
47.02	36	1760	960	
43.83	39	1760	960	
38.31	44	1760	960	
35.91	47	1760	930	
31.89	54	1760	880	
28.09	61	1760	830	
23.88	71	1760	770	
2-stage				
23.63	72	1760	765	AD2
20.57	83	1760	715	
19.27	88	1760	690	
17.03	100	1760	645	
15.81	108	1760	625	
14.33	119	1760	590	
12.87	132	1760	555	
11.08	153	1680	530	
10.42	163	1630	520	
8.97	190	1540	500	
8.01	212	1500	475	
7.44	228	1280	475	
6.74	252	1230	460	
6.05	281	1190	445	
5.21	326	1100	430	
4.90	347	1060	425	
4.22	403	970	415	
3.77	451	920	400	

JRTF49			3530lbf · in	
i	n_a [r/min]	M_{max} lbf · in	F_{Ra} lbf	AD
3-stage				
190.76	8.9	3530	1330	AD1
175.38	9.7	3530	1330	
150.06	11	3530	1330	
130.07	13	3530	1330	
121.57	14	3530	1330	
105.09	16	3530	1330	
89.29	19	3530	1330	
79.72	21	3530	1330	AD2
68.09	25	3530	1330	
65.36	26	3530	1330	
56.49	30	3530	1330	
48.00	35	3530	1330	
42.86	40	3530	1330	
38.61	46	3530	1330	
34.29	50	3530	1290	
28.88	59	3530	1180	
2-stage				
30.86	55	3530	1220	AD2
29.32	58	3530	1190	
25.72	66	3530	1110	
21.82	78	3530	1020	
19.70	86	3530	970	
17.33	98	3530	900	
16.36	104	3530	870	
13.93	122	3530	795	
12.66	134	3530	750	
10.97	155	3530	685	
8.96	190	2910	650	
7.88	216	3360	515	
7.44	228	3360	490	
6.34	268	3090	485	
5.76	295	3000	465	
4.99	341	2830	450	

JRTF59		5300lbf · in		
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
3-stage				
199.70	8.5	5300	2070	AD2
183.60	9.3	5300	2070	
157.09	11	5300	2070	
136.16	12	5300	2070	
127.27	13	5300	2070	
110.01	15	5300	2070	
93.47	18	5300	2070	
83.46	20	5300	2070	
72.98	23	5300	2070	
68.22	25	5300	2070	
58.97	29	5300	2070	
50.10	34	5300	1980	
44.73	38	5300	1880	
38.21	44	5300	1740	
35.79	47	5300	1690	
30.15	56	5220	1560	
2-stage				
40.13	42	2560	2200	AD2
34.24	50	4420	1780	
29.94	57	4820	1620	
28.45	60	4730	1590	
24.96	68	5080	1440	
21.17	80	5300	1290	AD3
19.11	89	5300	1220	
16.81	101	5300	1130	
15.88	107	5300	1100	
13.52	126	5300	1000	
12.29	138	5300	940	
10.64	160	5300	860	
9.31	183	3710	960	
8.19	208	3710	900	
7.73	220	3710	870	
6.58	258	3710	790	
5.98	284	3710	745	
5.18	328	3670	690	

JRTF69-89 $n_s=1700$ r/min

JRTF69			7250lbf · in	
i	n_s [r/min]	M_{max} lbf · in	F_{Ra} lbf	AD
3-stage				
228.99	7.4	7250	2320	AD2
195.39	8.7	7250	2320	
170.85	10.0	7250	2320	
162.31	10	7250	2320	
142.40	12	7250	2320	
120.79	14	7250	2320	
109.04	16	7250	2320	
95.94	18	7250	2320	
90.59	19	7250	2320	
79.76	21	7250	2320	
67.65	25	7250	2320	
61.07	28	7250	2320	
53.73	32	7250	2320	
50.74	34	7250	2320	
43.20	39	7250	2320	
39.26	43	6900	2320	
34.01	50	6540	2470	
2-stage				
36.30	47	7250	2320	AD3
32.08	53	7250	2320	
27.41	62	7250	2320	
25.13	68	7250	2320	
22.05	77	7250	2320	
20.90	81	7250	2320	
18.29	93	7250	2320	
16.48	103	7250	2320	
14.46	118	7250	2320	
12.76	133	7250	2320	
11.31	150	7250	2320	
9.66	176	7250	2240	
9.08	187	4680	2370	
8.60	198	5040	2270	
7.53	226	5390	2100	
6.78	251	5480	2000	
5.95	286	5390	1910	
5.25	324	5220	1830	
4.66	365	4950	1780	
3.97	428	4420	1740	

JRTF79			13200lbf • in	
i	n _s [r/min]	M _{max} lbf • in	F _{Ra} lbf	AD
3-stage				
281.71	6.0	13200	3530	AD2
262.93	6.5	13200	3530	
225.79	7.5	13200	3530	
198.31	8.6	13200	3530	
188.40	9.0	13200	3530	
166.47	10	13200	3530	
142.27	12	13200	3530	
130.42	13	13200	3530	
114.45	15	13200	3530	
108.46	16	13200	3530	
94.93	18	13200	3530	
85.52	20	13200	3530	
75.02	23	13200	3530	
72.50	23	13200	3530	
66.46	26	13200	3530	
58.32	29	13200	3530	
55.27	31	13200	3530	
48.37	35	13200	3530	
43.58	39	13200	3530	
38.23	44	13200	3530	
33.74	50	13200	3530	
29.91	57	13200	3530	
25.54	67	12800	3610	
2-stage				AD3
36.58	46	9820	4010	AD3
31.51	54	12200	3700	
28.75	59	12600	3640	
25.50	67	13200	3530	
21.43	79	13200	3530	
19.70	86	13200	3530	
17.49	97	13200	3530	
15.64	109	13200	3420	AD4
14.06	121	13200	3280	
12.20	139	13200	3090	
10.93	156	13200	2950	
9.30	183	9550	2860	
8.26	206	9550	2720	
7.39	230	9550	2590	
6.64	256	9550	2470	
5.76	295	9550	2320	
5.16	329	9550	2210	
4.28	397	8930	2100	

JRTF89			26500lbf · in	
i	n _s [r/min]	M _{amax} lbf · in	F _{Ra} lbf	AD
3-stage				
270.68	6.3	26500	4450	AD2
255.37	6.7	26500	4450	
228.93	7.4	26500	4450	
197.20	8.6	26500	4450	
179.97	9.4	26500	4450	
159.61	11	26500	4450	
134.16	13	26500	4450	
123.29	14	26500	4450	
109.49	16	26500	4450	
97.89	17	26500	4450	
88.01	19	26500	4450	
76.39	22	26500	4200	
68.40	25	26500	3960	AD3
56.75	30	26500	3560	
50.36	34	26000	3370	
45.28	38	24900	3270	
39.30	43	24000	3090	AD4
35.19	48	23000	2990	
29.20	58	22200	2760	
2-stage				
33.92	50	23000	2930	AD5
28.78	59	21600	2790	
26.50	64	26500	2180	
23.68	72	26500	2000	
21.32	80	26500	1840	
19.31	88	26500	1700	
17.12	99	26500	1530	
15.48	110	26500	1390	
13.12	130	26500	1180	
11.46	148	26500	1010	
9.58	177	25400	910	
8.29	205	13500	1780	
7.35	231	13500	1650	
6.65	256	13500	1550	
5.63	302	13500	1390	
4.92	346	13500	1260	
4.12	413	12900	1170	



JRTF99-129 $n_s = 1700$ r/min

JRTF99			38000lbf · in	
i	n_s [r/min]	M_{amax} lbf · in	F_{R0} lbf	AD
3-stage				
276.77	6.1	38000	6720	AD3
253.41	6.7	38000	6720	
223.88	7.6	38000	6720	
189.92	9.0	38000	6720	
174.87	9.7	38000	6720	
156.30	11	38000	6720	
140.71	12	38000	6720	
127.42	13	38000	6720	
112.99	15	38000	6720	
102.16	17	38000	6720	
97.58	17	38000	6720	
89.85	19	38000	6720	
86.59	20	38000	6720	AD4
80.31	21	38000	6540	
75.63	22	38000	6350	
72.29	24	38000	6200	
65.47	26	38000	5890	
58.06	29	38000	5520	
52.49	32	38000	5230	AD5
44.49	38	38000	4770	
38.86	44	38000	4410	
32.50	52	38000	3960	
2-stage				
43.28	39	27100	5660	AD4
36.64	46	27100	5230	
33.91	50	38000	4060	AD5
30.39	56	38000	3800	
27.44	62	38000	3550	
24.92	68	38000	3340	
22.11	77	38000	3070	
20.07	85	38000	2870	
17.25	99	38000	2560	
15.06	113	38000	2300	
12.77	133	38000	1990	AD6
11.16	152	36200	1910	
9.06	188	20800	2680	
8.22	207	20800	2530	
7.07	240	20800	2300	
6.17	276	19900	2200	
5.23	325	19000	2070	
4.57	372	18100	1980	

JRTF109			69300lbf · in	
i	n_s [r/min]	M_{amax} lbf · in	F_{R0} lbf	AD
3-stage				
254.40	6.7	67900	11200	AD3
215.37	7.9	67900	11200	
199.31	8.5	67900	11200	
178.64	9.5	67900	11200	
161.28	11	67900	11200	
146.49	12	67900	11200	
129.97	13	67900	11200	
117.94	14	67900	11200	AD4
101.38	17	67900	11200	
92.47	18	67900	11200	
88.49	19	67900	11200	
83.99	20	67900	11200	
74.52	23	67900	11000	
67.62	25	67900	10600	
58.12	29	67900	9880	AD5
50.73	34	67900	9300	
43.03	40	67900	8640	
37.61	45	67900	8110	
31.80	53	67900	7390	
2-stage				
33.79	50	65400	7880	AD6
27.57	62	69300	6640	
25.14	68	69300	6260	
21.76	78	69300	5670	
19.20	89	69300	5170	
16.58	103	69300	4600	
14.67	116	67900	4300	
12.33	138	61900	4390	
9.96	171	57500	4180	
9.69	175	43400	4660	
8.37	203	42400	4350	
7.40	230	40700	4220	
6.22	273	40700	3730	
5.03	338	40700	3140	

JRTF129			106100lbf · in	
i	n_s [r/min]	M_{max} lbf · in	F_{R0} lbf	AD
3-stage				
170.83	10.0	106100	20200	AD4
153.67	11	106100	20200	
125.37	14	106100	19000	
114.34	15	106100	18300	
98.95	17	106100	17200	
87.31	19	106100	16400	
75.41	23	106100	15400	
70.07	24	106100	14900	AD5
63.91	27	106100	14300	
55.31	31	106100	13300	
48.80	35	106100	12500	
42.15	40	106100	11500	
37.28	46	106100	10700	AD6
31.33	54	106100	9660	AD7
25.30	67	106100	8400	
2-stage				
26.86	63	75200	11500	AD6
24.57	69	75200	11000	
21.38	80	106100	7440	AD8
18.87	90	97300	7680	
16.36	104	97300	6930	
14.55	117	97300	6340	
12.54	136	88400	6550	
10.19	167	84000	6060	
8.86	192	61900	7490	
7.88	216	53000	7650	
6.80	250	61900	6610	
5.52	308	53000	6540	
4.68	363	53000	6060	

JRTF159-169 $n_g = 1700$ r/min

JRTF159			159200lbf · in	
i	n_s [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
267.43	6.4	159200	22500	AD5
217.62	7.8	159200	22500	
178.20	9.5	159200	22500	
162.96	10	159200	22500	
141.80	12	159200	22500	
125.14	14	159200	22500	
108.49	16	159200	21900	
96.53	18	159200	20800	
85.80	20	159200	19800	
78.46	22	159200	19100	
68.28	25	159200	18000	
60.25	28	159200	17000	
52.24	33	159200	16000	AD6
46.48	37	159200	15200	AD7
40.06	42	159200	14100	
32.55	52	159200	12800	AD8
27.60	62	159200	11800	
2-stage				
53.55	32	70700	20600	AD5
43.94	39	88400	18400	AD6
35.75	48	97300	16500	
28.60	59	150400	12500	AD8
25.43	67	132700	12700	
22.16	77	159200	10500	
19.77	86	150400	10400	
16.85	101	159200	9060	
13.96	122	150400	8570	
11.92	143	141500	8270	



JRTF39/49R19, JRTF59R39 $n_s = 1700 \text{ r/min}$

JRTF39R19 1760lbf · in						
i	n_s [r/min]	Stage		M_{max}	F_{R0}	
		F39	R19	lbf · in	lbf	
8193	0.21	3	3	1760	960	
7064	0.24	3	3	1760	960	
6585	0.26	3	3	1760	960	
5756	0.30	3	3	1760	960	
4963	0.34	3	3	1760	960	
4434	0.38	3	3	1760	960	
3875	0.44	3	3	1760	960	
3392	0.50	3	3	1760	960	
2965	0.57	3	3	1760	960	
2587	0.66	3	3	1760	960	
2284	0.74	3	3	1760	960	
1997	0.85	3	3	1760	960	
1929	0.88	2	3	1760	960	
1742	0.98	3	3	1760	960	
1679	1.0	2	3	1760	960	
1550	1.1	2	3	1760	960	
1545	1.1	3	3	1760	960	
1370	1.2	3	2	1760	960	
1356	1.3	2	3	1760	960	
1198	1.4	3	2	1760	960	
1180	1.4	2	3	1760	960	
1047	1.6	3	2	1760	960	
1044	1.6	2	3	1760	960	
915	1.9	3	2	1760	960	
914	1.9	2	3	1760	960	
808	2.1	2	3	1760	960	
807	2.1	3	2	1760	960	
707	2.4	3	2	1760	960	
698	2.4	2	3	1760	960	
617	2.8	3	2	1760	960	
616	2.8	2	3	1760	960	
544	3.1	2	3	1760	960	
538	3.2	3	2	1760	960	
477	3.6	3	2	1760	960	
466	3.6	2	3	1760	960	
412	4.1	3	2	1760	960	
411	4.1	2	3	1760	960	
365	4.7	3	2	1760	960	
364	4.7	2	3	1760	960	
326	5.2	2	2	1760	960	
322	5.3	3	2	1760	960	
285	6.0	2	2	1760	960	
278	6.1	3	2	1760	960	
250	6.8	2	2	1760	960	
242	7.0	3	2	1760	960	
221	7.7	3	2	1760	960	
219	7.8	2	2	1760	960	
195	8.7	3	2	1760	960	
186	9.1	2	2	1760	960	
168	10	3	2	1760	960	
167	10	2	2	1760	960	
147	12	3	2	1760	960	
145	12	2	2	1760	960	
129	13	2	2	1760	960	
127	13	3	2	1760	960	
121	14	3	2	1760	960	
118	14	2	2	1760	960	
108	16	3	2	1760	960	
98	17	2	2	1760	960	
91	19	3	2	1760	960	
87	20	2	2	1760	960	

JRTF49R19 3530lbf · in						
i	n_s [r/min]	Stage		M_{max}	F_{R0}	
		F49	R19	lbf · in	lbf	
12251	0.14	3	3	3530	1330	
10619	0.16	3	3	3530	1330	
9848	0.17	3	3	3530	1330	
8534	0.20	3	3	3530	1330	
7460	0.23	3	3	3530	1330	
6536	0.26	3	3	3530	1330	
5748	0.30	3	3	3530	1330	
5022	0.34	3	3	3530	1330	
4401	0.39	3	3	3530	1330	
3883	0.44	3	3	3530	1330	
3443	0.49	3	3	3530	1330	
2976	0.57	3	3	3530	1330	
2629	0.65	3	3	3530	1330	
2519	0.67	2	3	3530	1330	
2394	0.71	2	3	3530	1330	
2304	0.74	3	3	3530	1330	
2172	0.78	2	3	3530	1330	
2033	0.84	3	3	3530	1330	
2025	0.84	2	3	3530	1330	
1785	0.95	3	2	3530	1330	
1770	0.96	2	3	3530	1330	
1578	1.1	3	2	3530	1330	
1576	1.1	2	3	3530	1330	
1364	1.2	3	2	3530	1330	
1363	1.2	2	3	3530	1330	
1203	1.4	3	2	3530	1330	
1192	1.4	2	3	3530	1330	
1061	1.6	2	3	3530	1330	
1049	1.6	3	2	3530	1330	
931	1.8	2	3	3530	1330	
918	1.9	3	2	3530	1330	
822	2.1	2	3	3530	1330	
809	2.1	3	2	3530	1330	
706	2.4	2	3	3530	1330	
700	2.4	3	2	3530	1330	
622	2.7	3	2	3530	1330	
619	2.7	2	3	3530	1330	
543	3.1	3	2	3530	1330	
524	3.2	2	2	3530	1330	
489	3.5	2	2	3530	1330	
475	3.6	3	2	3530	1330	
427	4.0	2	2	3530	1330	
419	4.1	3	2	3530	1330	
381	4.5	2	2	3530	1330	
370	4.6	3	2	3530	1330	
334	5.1	2	2	3530	1330	
324	5.2	3	2	3530	1330	
295	5.8	2	2	3530	1330	
288	5.9	3	2	3530	1330	
253	6.7	2	2	3530	1330	
249	6.8	3	2	3530	1330	
218	7.8	3	2	3530	1330	
217	7.8	2	2	3530	1330	
193	8.8	3	2	3530	1330	
190	8.9	2	2	3530	1330	
178	9.6	2	2	3530	1330	
175	9.7	3	2	3530	1330	
149	11	2	2	3530	1330	
147	12	3	2	3530	1330	
131	13	2	2	3530	1330	
130	13	3	2	3530	1330	

JRTF59R39 5300lbf · in						
i	n_s [r/min]	Stage		M_{max}	F_{R0}	
		F59	R39	lbf · in	lbf	
14832	0.11	3	3	5300	2070	
13604	0.12	3	3	5300	2070	
12602	0.13	3	3	5300	2070	
11252	0.15	3	3	5300	2070	
9986	0.17	3	3	5300	2070	
8787	0.19	3	3	5300	2070	
7908	0.21	3	3	5300	2070	
6913	0.25	3	3	5300	2070	
6030	0.28	3	3	5300	2070	
5289	0.32	3	3	5300	2070	
4654	0.37	3	3	5300	2070	
4060	0.42	3	3	5300	2070	
3564	0.48	3	3	5300	2070	
3161	0.54	3	3	5300	2070	
2737	0.62	3	3	5300	2070	
2409	0.71	3	3	5300	2070	
2131	0.80	3	3	5300	2070	
1840	0.92	3	3	5300	2070	
1623	1.0	3	3	5300	2070	
1439	1.2	3	3	5300	2070	
1238	1.4	3	3	5300	2070	
2854	0.60	2	3	5300	2070	
2576	0.66	2	3	5300	2070	
2266	0.75	2	3	5300	2070	
2012	0.84	2	3	5300	2070	
1791	0.95	2	3	5300	2070	
1617	1.1	2	3	5300	2070	
1422	1.2	2	3	5300	2070	
1243	1.4	2	3	5300	2070	
1066	1.6	2	3	5300	2070	
949	1.8	2	3	5300	2070	
856	2.0	2	3	5300	2070	
749	2.3	2	3	5300	2070	
658	2.6	2	3	5300	2070	
549	3.1	2	3	5300	2070	
483	3.5	3	3	5300	2070	
1106	1.5	3	2	5300	2070	
967	1.8	3	2	5300	2070	
851	2.0	3	2	5300	2070	
738	2.3	3	2	5300	2070	
646	2.6	3	2	5300	2070	
558	3.0	3	2	5300	2070	
506	3.4	3	2	5300	2070	
452	3.8	3	2	5300	2070	
386	4.4	3	2	5300	2070	
338	5.0	3	2	5300	2070	
255	6.7	3	2	5300	2070	
201	8.5	3	2	5300	2070	
181	9.4	3	2	5300	2070	
155	11	3	2	5300	2070	
426	4.0	3	2	5300	2070	
382	4.5	2	2	5300	2070	
330	5.2	2	2	5300	2070	
298	5.7	2	2	5300	2070	
262	6.5	2	2	5300	2070	
226	7.5	2	2	5300	2070	
200	8.5	2	2	5300	2070	
170	10	2	2	5300	2070	
152	11	2	2	5300	2070	
134	13	2	2	5300	2070	

JRTF69/79R39, JRTF89R59 $n_g=1700$ r/min

JRTF69R39		7250lbf · in			
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf
		F69	R39		
19199	0.09	3	3	7250	2320
17610	0.10	3	3	7250	2320
14992	0.11	3	3	7250	2320
12926	0.13	3	3	7250	2320
11480	0.15	3	3	7250	2320
10220	0.17	3	3	7250	2320
8933	0.19	3	3	7250	2320
7940	0.21	3	3	7250	2320
7096	0.24	3	3	7250	2320
6080	0.28	3	3	7250	2320
5341	0.32	3	3	7250	2320
4690	0.36	3	3	7250	2320
4091	0.42	3	3	7250	2320
3574	0.48	3	3	7250	2320
3133	0.54	3	3	7250	2320
2756	0.62	3	3	7250	2320
2439	0.70	3	3	7250	2320
3377	0.50	2	3	7250	2320
2912	0.58	2	3	7250	2320
2714	0.63	2	3	7250	2320
2372	0.72	2	3	7250	2320
2126	0.80	2	3	7250	2320
1859	0.91	2	2	7250	2320
1631	1.0	2	2	7250	2320
1437	1.2	2	3	7250	2320
1256	1.4	2	2	7250	2320
1126	1.5	2	3	7250	2320
984	1.7	2	3	7250	2320
864	2.0	2	2	7250	2320
722	2.4	2	2	7250	2320
634	2.7	2	3	7250	2320
539	3.2	2	3	7250	2320
2106	0.81	3	2	7250	2320
1884	0.90	3	2	7250	2320
1635	1.0	3	2	7250	2320
1429	1.2	3	2	7250	2320
1271	1.3	3	2	7250	2320
1102	1.5	3	2	7250	2320
970	1.8	3	2	7250	2320
858	2.0	3	2	7250	2320
755	2.3	3	2	7250	2320
641	2.7	3	2	7250	2320
572	3.0	3	2	7250	2320
509	3.3	3	2	7250	2320
437	3.9	3	2	7250	2320
384	4.4	3	2	7250	2320
338	5.0	3	2	7250	2320
305	5.6	3	2	7250	2320
257	6.6	3	2	7250	2320
231	7.4	3	2	7250	2320
205	8.3	3	2	7250	2320
175	9.7	3	2	7250	2320
500	3.4	2	2	7250	2320
454	3.7	2	2	7250	2320
392	4.3	2	2	7250	2320
333	5.1	2	2	7250	2320
297	5.7	2	2	7250	2320
261	6.5	2	2	7250	2320
238	7.1	2	2	7250	2320
200	8.5	2	2	7250	2320
176	9.7	2	2	7250	2320

JRTF79R39		13200lbf · in			
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf
		F79	R39		
19180	0.09	3	3	13200	3530
17593	0.10	3	3	13200	3530
16128	0.11	3	3	13200	3530
14978	0.11	3	3	13200	3530
13731	0.12	3	3	13200	3530
12049	0.14	3	3	13200	3530
11035	0.15	3	3	13200	3530
9683	0.18	3	3	13200	3530
8464	0.20	3	3	13200	3530
7520	0.23	3	3	13200	3530
6580	0.26	3	3	13200	3530
5808	0.29	3	3	13200	3530
5026	0.34	3	3	13200	3530
4435	0.38	3	3	13200	3530
3832	0.44	3	3	13200	3530
3381	0.50	3	3	13200	3530
2978	0.57	3	3	13200	3530
2613	0.65	3	3	13200	3530
2284	0.74	3	3	13200	3530
2029	0.84	3	3	13200	3530
4931	0.34	2	3	9820	4010
4523	0.38	2	3	9820	4010
3851	0.44	2	3	9820	4010
3320	0.51	2	3	9820	4010
3095	0.55	2	3	9820	4010
2705	0.63	2	3	9820	4010
2536	0.67	2	3	9820	4010
2238	0.76	2	3	9820	4010
2039	0.83	2	3	9820	4010
1759	0.97	2	3	9820	4010
1639	1.0	2	3	9820	4010
1433	1.2	2	3	9820	4010
1343	1.3	2	3	9820	4010
1185	1.4	2	3	9820	4010
1051	1.6	2	3	9820	4010
893	1.9	2	3	9820	4010
1728	0.98	3	2	13200	3530
1544	1.1	3	2	13200	3530
1354	1.3	3	2	13200	3530
1200	1.4	3	2	13200	3530
1053	1.6	3	2	13200	3530
910	1.9	3	2	13200	3530
810	2.1	3	2	13200	3530
710	2.4	3	2	13200	3530
615	2.8	3	2	13200	3530
538	3.2	3	2	13200	3530
480	3.5	3	2	13200	3530
413	4.1	3	2	13200	3530
367	4.6	3	2	13200	3530
323	5.3	3	2	13200	3530
280	6.1	3	2	13200	3530
247	6.9	3	2	13200	3530
221	7.7	3	2	13200	3530
199	8.5	3	2	13200	3530
815	2.1	2	2	9820	4010
706	2.4	2	2	9820	4010
660	2.6	2	2	9820	4010
571	3.0	2	2	9820	4010
485	3.5	2	2	9820	4010
433	3.9	2	2	9820	4010
370	4.6	2	2	9820	4010
346	4.9	2	2	9820	4010
292	5.8	2	2	9820	4010

JRTF89R59		26500lbf · in			
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf
		F89	R59		
23042	0.07	3	3	26500	4450
20462	0.08	3	3	26500	4450
18238	0.09	3	3	26500	4450
15877	0.11	3	3	26500	4450
14099	0.12	3	3	26500	4450
12205	0.14	3	3	26500	4450
10433	0.16	3	3	26500	4450
9381	0.18	3	3	26500	4450
8142	0.21	3	3	26500	4450
7100	0.24	3	3	26500	4450
6273	0.27	3	3	26500	4450
5510	0.31	3	3	26500	4450
4954	0.34	3	3	26500	4450
4245	0.40	3	3	26500	4450
3721	0.46	3	3	26500	4450
4952	0.34	2	3	26500	4450
4562	0.37	2	3	26500	4450
3919	0.43	2	3	26500	4450
3503	0.49	2	3	26500	4450
3196	0.53	2	3	26500	4450
2857	0.60	2	3	26500	4450
2524	0.67	2	3	26500	4450
2134	0.80	2	3	26500	4450
1913	0.89	2	3	26500	4450
1717	0.99	2	3	26500	4450
1476	1.2	2	3	26500	4450
1278	1.3	2	3	26500	4450
1142	1.5	2	3	26500	4450
988	1.7	2	3	26500	4450
883	1.9	2	3	26500	4450
748	2.3	2	3	26500	4450
3244	0.52	3	2	26500	4450
2881	0.59	3	2	26500	4450
2576	0.66	3	2	26500	4450
2199	0.77	3	2	26500	4450
1930	0.88	3	2	26500	4450
1709	0.99	3	2	26500	4450
1493	1.1	3	2	26500	4450
1300	1.3	3	2	26500	4450
1148	1.5	3	2	26500	4450
1010	1.7	3	2	26500	4450
887	1.9	3	2	26500	4450
780	2.2	3	2	26500	4450
674	2.5	3	2	26500	4450
609	2.8	3	2	26500	4450
515	3.3	3	2	26500	4450
452	3.8	3	2	26500	4450
345	4.9	3	2	26500	4450
300	5.7	3	2	26500	4450
249	6.8	3	2	26500	4450
662	2.6	2	2	26500	4450
592	2.9	2	2	26500	4450
519	3.3	2	2	26500	4450
468	3.6	2	2	26500	4450
398	4.3	2	2	26500	4450
350	4.9	2	2	26500	4450
315	5.4	2	2	26500	4450
281	6.0	2	2	26500	4450
240	7.1	2	2	26500	4450
211	8.1	2	2	26500	4450
193	8.8	2	2	26500	4450



JRTF99R59, JRTF109R79, JRTF129R79 $n_s = 1700$ r/min

JRTF99R59		38000lbf · in			
i	n_s [r/min]	Stage	M_{max} F99 R59	F_{Rz} lbf · in	F_{Rz} lbf
29211	0.06	3	3	38000	6720
26911	0.06	3	3	38000	6720
23814	0.07	3	3	38000	6720
20813	0.08	3	3	38000	6720
18119	0.09	3	3	38000	6720
15472	0.11	3	3	38000	6720
14022	0.12	3	3	38000	6720
12324	0.14	3	3	38000	6720
10838	0.16	3	3	38000	6720
9576	0.18	3	3	38000	6720
8318	0.20	3	3	38000	6720
7328	0.23	3	3	38000	6720
6469	0.26	3	3	38000	6720
5615	0.30	3	3	38000	6720
4961	0.34	3	3	38000	6720
4333	0.39	3	3	38000	6720
3838	0.43	2	3	38000	6720
3368	0.47	2	3	38000	6720
2914	0.51	2	3	38000	6720
2488	0.56	2	3	38000	6720
2099	0.62	2	3	38000	6720
1744	0.69	2	3	38000	6720
1419	0.77	2	3	38000	6720
1119	0.86	2	3	38000	6720
898	0.96	2	3	38000	6720
716	1.07	2	3	38000	6720
568	1.19	2	3	38000	6720
453	1.33	2	3	38000	6720
366	1.49	2	3	38000	6720
297	1.67	2	3	38000	6720
245	1.87	2	3	38000	6720
200	2.09	2	3	38000	6720
162	2.34	2	3	38000	6720
131	2.62	2	3	38000	6720
105	2.94	2	3	38000	6720
84	3.30	2	3	38000	6720
67	3.69	2	3	38000	6720
53	4.12	2	3	38000	6720
42	4.59	2	3	38000	6720
33	5.10	2	3	38000	6720
26	5.64	2	3	38000	6720
21	6.22	2	3	38000	6720
16	6.84	2	3	38000	6720
12	7.50	2	3	38000	6720
9	8.20	2	3	38000	6720
7	8.94	2	3	38000	6720
5	9.72	2	3	38000	6720
4	10.54	2	3	38000	6720
3	11.40	2	3	38000	6720
2	12.30	2	3	38000	6720
1	13.24	2	3	38000	6720

JRTF109R79		69300lbf · in			
i	n_s [r/min]	Stage	M_{max} F109 R79	F_{Rz} lbf · in	F_{Rz} lbf
25375	0.07	3	3	69300	11200
21652	0.08	3	3	69300	11200
18933	0.09	3	3	69300	11200
16888	0.10	3	3	69300	11200
14767	0.12	3	3	69300	11200
11348	0.15	3	3	69300	11200
10039	0.17	3	3	69300	11200
8548	0.20	3	3	69300	11200
7674	0.22	3	3	69300	11200
6767	0.25	3	3	69300	11200
5954	0.29	3	3	69300	11200
5223	0.33	3	3	69300	11200
4567	0.37	3	3	69300	11200
3948	0.43	3	3	69300	11200
3521	0.48	3	3	69300	11200
5383	0.52	2	3	69300	11100
4593	0.57	2	3	69300	11100
4016	0.62	2	3	69300	11100
3815	0.65	2	3	69300	11100
3347	0.71	2	3	69300	11100
2839	0.80	2	3	69300	11100
2563	0.86	2	3	69300	11100
2255	0.93	2	3	69300	11100
2129	1.00	2	3	69300	11100
1813	1.09	2	3	69300	11100
1590	1.19	2	3	69300	11100
1436	1.29	2	3	69300	11100
1263	1.40	2	3	69300	11100
1193	1.51	2	3	69300	11100
1015	1.63	2	3	69300	11100
923	1.76	2	3	69300	11100
800	1.90	2	3	69300	11100
696	2.05	2	3	69300	11100
3037	0.56	3	2	67900	11200
2756	0.62	3	2	67900	11200
2369	0.72	3	2	67900	11200
2068	0.82	3	2	67900	11200
1826	0.93	3	2	67900	11200
1597	1.05	3	2	67900	11200
1401	1.18	3	2	67900	11200
1243	1.32	3	2	67900	11200
1087	1.47	3	2	67900	11200
950	1.63	3	2	67900	11200
834	1.80	3	2	67900	11200
736	2.00	3	2	67900	11200
640	2.21	3	2	67900	11200
560	2.44	3	2	67900	11200
489	2.69	3	2	67900	11200
436	2.96	3	2	67900	11200
370	3.25	3	2	67900	11200
333	3.55	3	2	67900	11200
291	3.87	3	2	67900	11200
255	4.21	3	2	67900	11200
225	4.57	3	2	67900	11200
190	4.94	3	2	67900	11200
164	5.33	3	2	67900	11200
141	5.73	3	2	67900	11200
118	6.15	3	2	67900	11200
100	6.58	3	2	67900	11200
84	7.03	3	2	67900	11200
71	7.50	3	2	67900	11200
60	7.98	3	2	67900	11200
50	8.48	3	2	67900	11200
42	8.99	3	2	67900	11200
35	9.52	3	2	67900	11200
29	10.06	3	2	67900	11200
24	10.62	3	2	67900	11200
19	11.19	3	2	67900	11200
15	11.78	3	2	67900	11200
12	12.38	3	2	67900	11200
9	12.99	3	2	67900	11200
7	13.61	3	2	67900	11200
5	14.25	3	2	67900	11200
4	14.90	3	2	67900	11200
3	15.56	3	2	67900	11200
2	16.24	3	2	67900	11200
1	16.93	3	2	67900	11200

JRTF129R79		106100lbf · in			
i	n_s [r/min]	Stage	M_{max} F129 R79	F_{Rz} lbf · in	F_{Rz} lbf
24478	0.07	3	3	106100	20200
22323	0.08	3	3	106100	20200
19048	0.09	3	3	106100	20200
16656	0.10	3	3	106100	20200
14722	0.12	3	3	106100	20200
12912	0.13	3	3	106100	20200
11656	0.15	3	3	106100	20200
10191	0.17	3	3	106100	20200
8831	0.19	3	3	106100	20200
7643	0.22	3	3	106100	20200
6715	0.25	3	3	106100	20200
5925	0.29	3	3	106100	20200
5153	0.33	3	3	106100	20200
4533	0.38	3	3	106100	20200
3926	0.43	3	3	106100	20200
3454	0.49	3	3	106100	20200
3031	0.56	3	3	106100	20200
2672	0.64	3	2	106100	20200
2357	0.72	3	2	106100	20200
2038	0.83	3	2	106100	20200
1784	0.95	3	2	106100	20200
1606	1.1	3	2	106100	20200
1390	1.2	3	2	106100	20200
1220	1.4	3	2	106100	20200
1077	1.6	3	2	106100	20200
930	1.8	3	2	106100	20200
820	2.1	3	2	106100	20200
727	2.3	3	2	106100	20200
648	2.6	3	2	106100	20200
549	3.1	3	2	106100	20200
495	3.4	3	2	106100	20200
428	4.0	3	2	106100	20200
376	4.5	3	2	106100	20200

JRTF129R89, JRTF159R99, JRTF169R99 $n_s = 1700$ r/min

JRTF129R89		106100lbf · in				
i	n_s	Stage		M_{max}	F_{R2}	
	[r/min]	F129	R89	lbf · in	lbf	
483	3.5	3	2	106100	20200	
418	4.1	3	2	106100	20200	
374	4.5	3	2	106100	20200	
312	5.4	3	2	106100	20200	
293	5.8	3	2	106100	20200	
259	6.6	3	2	106100	20200	
223	7.6	3	2	106100	20200	
198	8.6	3	2	106100	20200	
166	10	3	2	106100	20200	

JRTF159R99		159200lbf · in				
i	n_s	Stage		M_{max}	F_{R2}	
	[r/min]	F159	R99	lbf · in	lbf	
31434	0.05	3	3	159200	22500	
26173	0.06	3	3	159200	22500	
23464	0.07	3	3	159200	22500	
20212	0.08	3	3	159200	22500	
17984	0.09	3	3	159200	22500	
16358	0.10	3	3	159200	22500	
13751	0.12	3	3	159200	22500	
12235	0.14	3	3	159200	22500	
10033	0.17	3	3	159200	22500	
9021	0.19	3	3	159200	22500	
8026	0.21	3	3	159200	22500	
7075	0.24	3	3	159200	22500	
6295	0.27	3	3	159200	22500	
5404	0.31	3	3	159200	22500	
4831	0.35	3	3	159200	22500	
4130	0.41	3	3	159200	22500	
3607	0.47	3	3	159200	22500	
3210	0.53	3	3	159200	22500	
2780	0.61	3	3	159200	22500	
1441	1.2	3	3	159200	22500	
2427	0.70	3	2	159200	22500	
2185	0.78	3	2	159200	22500	
1944	0.87	3	2	159200	22500	
1674	1.0	3	2	159200	22500	
1308	1.3	3	2	159200	22500	
1169	1.5	3	2	159200	22500	
953	1.8	3	2	159200	22500	
845	2.0	3	2	159200	22500	
764	2.2	3	2	159200	22500	
680	2.5	3	2	159200	22500	
576	3.0	3	3	159200	22500	
503	3.4	3	2	159200	22500	
446	3.8	3	2	159200	22500	
353	4.8	3	2	159200	22500	
302	5.6	3	2	159200	22500	
273	6.2	3	2	159200	22500	
232	7.3	3	2	159200	22500	
202	8.4	3	2	159200	22500	
197	8.6	3	2	159200	22500	



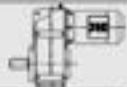
4. Selection table

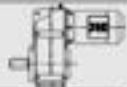
Selection table for geared motors



p_m [kW]	n_a [r/min]	M_a [Nm]	i	$F_{Ra}^{(1)}$ [N]	JIE- f_B	
Rated power driving motor	Output speed	Output torque	Gear unit ratio	Permitted overhung load	Service factor	Gear type Motor type

For particularly low output speeds



M_{amax} [Nm]	n_a [r/min]	i	$F_{Ra}^{(1)}$ [N]	
Max. permissible output torque	Output Speed	Gear unit ratio	Permitted overhung load	Gear type Motor type

Cutline

1)Overhung load specified for foot-mounted gear unit with solid shaft

Notice:

In drives for particularly low output speeds(multi-stage geared motors),the motor power must be limited according to the maximum permitted output torque of the gear unit.

Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load F_{H2} lbf	Service factor f_s	Model
0.16HP					
0.08	95100	22323	20200	1.10	
0.09	81200	19048	20200	1.30	JRTFA129R79DN63S4
0.10	71000	16656	20200	1.50	JRTFAF129R79DN63S4
0.11	62700	14722	20200	1.70	JRTF129R79DN63S4
0.13	53800	12912	20200	1.95	JRTFF129R79DN63S4
0.14	47000	11656	20200	2.3	
0.16	42500	10191	20200	2.5	
0.11	62900	14767	11500	1.10	
0.15	48300	11348	12400	1.40	
0.17	37500	10039	13000	1.80	JRTFA109R79DN63S4
0.20	30000	8548	13400	2.3	JRTFAF109R79DN63S4
0.22	32000	7674	13300	2.1	JRTF109R79DN63S4
0.25	27300	6767	13500	2.5	JRTFF109R79DN63S4
0.28	22800	5954	13700	3.0	
0.32	19500	5223	13900	3.5	
0.37	19400	4567	13900	3.5	
0.48	14200	3521	14100	4.8	
0.26	28200	6469	7380	1.35	JRTFA99R59DN63S4
0.30	26500	5615	7480	1.45	JRTFAF99R59DN63S4
0.34	22900	4961	7690	1.65	JRTF99R59DN63S4
0.39	20000	4333	7840	1.90	JRTFF99R59DN63S4
0.43	18700	3906	7900	2.0	JRTFA89R59DN63S4
0.50	16200	3352	8020	2.3	JRTFAF89R59DN63S4
0.58	13100	2907	8150	2.9	JRTF89R59DN63S4
0.66	12200	2553	8190	3.1	JRTFF89R59DN63S4
0.40	19000	4245	5840	1.40	JRTFA89R59DN63S4
0.45	14700	3721	6160	1.80	JRTFAF89R59DN63S4
0.52	15700	3244	6090	1.70	JRTF89R59DN63S4
0.58	13900	2881	6210	1.90	JRTFF89R59DN63S4
0.65	12400	2576	6300	2.1	
0.76	10500	2199	6420	2.5	JRTFA89R59DN63S4
0.87	9050	1930	6500	2.9	JRTFAF89R59DN63S4
0.98	8190	1709	6540	3.2	JRTF89R59DN63S4
1.1	7230	1493	6590	3.7	JRTFF89R59DN63S4
1.3	5530	1300	6670	4.8	
1.5	5080	1148	6690	5.2	
0.74	10900	2284	3870	1.20	JRTFA79R39DN63S4
0.83	9680	2029	4030	1.35	JRTFAF79R39DN63S4
0.97	8200	1728	4170	1.60	JRTF79R39DN63S4
1.1	7650	1544	4220	1.75	JRTFF79R39DN63S4
1.2	6710	1354	4290	2.0	JRTFA79R39DN63S4
1.4	5940	1200	4340	2.2	JRTFAF79R39DN63S4
1.6	5210	1053	4390	2.5	JRTF79R39DN63S4
1.9	4430	910	4430	3.0	JRTFF79R39DN63S4
2.1	3610	810	4460	3.7	
2.4	3170	710	4470	4.2	
1.2	6650	1429	2440	1.10	
1.3	6030	1271	2560	1.20	
1.5	4980	1102	2720	1.45	
1.7	4380	970	2790	1.65	JRTFA69R39DN63S4
2.0	3830	858	2850	1.90	JRTFAF69R39DN63S4
2.2	3370	755	2890	2.1	JRTF69R39DN63S4
2.6	2860	641	2920	2.5	JRTFF69R39DN63S4
2.9	2710	572	2920	2.7	
3.3	2270	509	2920	3.2	
3.9	1970	437	2920	3.7	

Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load F_{H2} lbf	Service factor f_s	Model
0.16HP					
2.0	4320	851	2250	1.25	JRTFA59R39DN63S4
2.3	3680	738	2350	1.45	JRTFAF59R39DN63S4
2.6	3200	646	2430	1.65	JRTF59R39DN63S4
3.0	2720	558	2490	1.95	JRTFF59R39DN63S4
3.3	2400	506	2540	2.2	
3.7	2040	452	2580	2.6	
4.0	2180	426	2560	2.4	JRTFA59R39DN63S4
4.4	1910	382	2580	2.8	JRTFAF59R39DN63S4
5.1	1620	330	2580	3.3	JRTF59R39DN63S4
5.6	1470	298	2580	3.6	JRTFF59R39DN63S4
6.4	1290	262	2580	4.1	
3.1	2720	543	1570	1.30	JRTFA49R19DN63S4
3.5	2320	475	1650	1.50	JRTFAF49R19DN63S4
4.0	2020	419	1710	1.75	JRTF49R19DN63S4
3.2	2680	524	1580	1.30	JRTFF49R19DN63S4
3.4	2480	489	1620	1.45	JRTFA49R19DN63S4
3.9	2130	427	1690	1.65	JRTFAF49R19DN63S4
4.4	1880	381	1730	1.90	JRTF49R19DN63S4
5.0	1650	334	1760	2.1	JRTFF49R19DN63S4
5.7	1430	295	1790	2.5	
6.6	1180	253	1810	3.0	
5.2	1520	322	1040	1.15	JRTFA39R19DN63S4
6.1	1330	278	1090	1.30	JRTFAF39R19DN63S4
6.9	1120	242	1140	1.60	JRTF39R19DN63S4
7.6	1090	221	1150	1.60	JRTFF39R19DN63S4
5.2	1650	326	1000	1.05	JRTFA39R19DN63S4
5.9	1420	285	1070	1.25	JRTFAF39R19DN63S4
6.7	1240	250	1120	1.45	JRTF39R19DN63S4
7.7	1090	219	1150	1.60	JRTFF39R19DN63S4
9.0	920	186	1180	1.90	
10	820	167	1190	2.1	
4.8	2090	228.99	2920	3.5	JRTFA69DN63M6
5.6	1790	195.39	2920	4.0	JRTFAF69DN63M6
6.4	1560	170.85	2920	4.6	JRTF69DN63M6
6.8	1480	163.31	2920	4.9	JRTFF69DN63M6
7.7	1300	142.40	2920	5.6	
5.5	1820	199.70	2580	2.9	JRTFA59DN63M6
6.0	1680	183.60	2580	3.2	JRTFAF59DN63M6
7.0	1430	157.09	2580	3.7	JRTF59DN63M6
8.1	1240	136.16	2580	4.2	JRTFF59DN63M6
8.6	1160	127.27	2580	4.5	
8.4	1190	199.70	2580	4.4	JRTFA59DN63S4
9.2	1100	183.60	2580	4.8	JRTFAF59DN63S4
11	940	157.09	2580	5.6	JRTF59DN63S4
12	810	136.16	2580	6.5	JRTFF59DN63S4
5.8	1740	190.76	1750	2.0	JRTFA49DN63M6
6.3	1600	175.38	1770	2.2	JRTFAF49DN63M6
7.3	1370	150.06	1790	2.6	JRTF49DN63M6
8.5	1190	130.07	1810	3.0	JRTFF49DN63M6
9.1	1110	121.57	1820	3.2	JRTFA49DN63S4
10	960	105.09	1830	3.7	JRTFAF49DN63S4
12	810	89.29	1840	4.3	JRTF49DN63S4
14	730	79.72	1840	4.8	JRTFF49DN63S4
8.8	1140	190.76	1820	3.1	JRTFA49DN63S4
9.6	1050	175.38	1820	3.4	JRTFAF49DN63S4
11	900	150.06	1830	3.9	JRTF49DN63S4
13	780	130.07	1840	4.5	JRTFF49DN63S4
8.6	1170	128.51	1130	1.50	JRTFA39DN63M6
9.3	1080	117.88	1150	1.65	JRTFAF39DN63M6
11	910	100.35	1180	1.90	JRTF39DN63M6
13	790	86.53	1190	2.2	JRTFF39DN63M6
14	735	80.65	1200	2.4	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{0.2}$ [lbf]	Service factor f_s	Model
0.16HP					
13	770	128.51	1200	2.3	JRTFA39DN63S4
14	705	117.88	1200	2.5	JRTFAF39DN63S4
17	600	100.36	1220	2.9	JRTF39DN63S4
19	515	86.53	1220	3.4	JRTFF39DN63S4
21	480	80.65	1230	3.7	
0.25HP					
0.13	93100	12912	20200	1.15	JRTFA129R79DN63M4
0.15	82500	11656	20200	1.30	JRTFAF129R79DN63M4
0.17	73500	10191	20200	1.45	JRTF129R79DN63M4
0.19	59800	8831	20200	1.75	JRTFF129R79DN63M4
0.22	51800	7643	20200	2.0	
0.25	49000	6715	20200	2.2	
0.20	55900	8548	12000	1.20	
0.22	55300	7674	12000	1.25	JRTFA109R79DN63M4
0.25	47900	6767	12400	1.40	JRTFAF109R79DN63M4
0.29	40900	5954	12800	1.65	JRTF109R79DN63M4
0.33	35400	5223	13100	1.90	JRTFF109R79DN63M4
0.37	33300	4567	13200	2.0	
0.48	24900	3521	13800	2.7	
0.56	22100	3037	13800	3.1	JRTFA109R79DN63M4
0.62	20100	2756	13900	3.4	JRTFAF109R79DN63M4
0.72	17300	2369	14000	3.9	JRTF109R79DN63M4
0.82	15100	2068	14100	4.5	JRTFF109R79DN63M4
0.39	33200	4333	7060	1.15	JRTFA99R59DN63M4
					JRTFAF99R59DN63M4
					JRTF99R59DN63M4
					JRTFF99R59DN63M4
0.44	30700	3906	7230	1.25	
0.51	26500	3352	7480	1.45	
0.58	22100	2907	7730	1.70	JRTFA99R59DN63M4
0.67	20100	2553	7840	1.90	JRTFAF99R59DN63M4
0.76	17600	2245	7950	2.1	JRTF99R59DN63M4
0.86	15300	1970	8060	2.5	JRTFF99R59DN63M4
0.99	13600	1722	8130	2.8	
1.1	12100	1527	8200	3.1	
1.3	9730	1327	8290	3.9	
1.4	9270	1171	8310	4.1	
0.66	20400	2576	5720	1.30	
0.77	17300	2199	5970	1.55	
0.88	14900	1930	6140	1.75	
0.99	13400	1709	6240	1.95	JRTFA89R59DN63M4
1.1	11800	1493	6340	2.2	JRTFAF89R59DN63M4
1.3	9530	1300	6470	2.8	JRTF89R59DN63M4
1.5	8610	1148	6520	3.1	JRTFF89R59DN63M4
1.7	7410	1010	6580	3.6	
1.9	6650	887	6620	4.0	
2.2	5720	760	6660	4.6	
1.1	12400	1544	3670	1.05	
1.3	10800	1354	3890	1.20	
1.4	9630	1200	4030	1.40	JRTFA79R39DN63M4
1.6	8450	1053	4150	1.55	JRTFAF79R39DN63M4
1.9	7230	910	4250	1.85	JRTF79R39DN63M4
2.1	6100	810	4330	2.2	JRTFF79R39DN63M4
2.4	5350	710	4380	2.5	
2.8	4800	615	4410	2.8	
2.0	6470	858	2480	1.10	
2.2	5690	755	2610	1.25	JRTFA69R39DN63M4
2.6	4830	641	2740	1.50	JRTFAF69R39DN63M4
3.0	4470	572	2780	1.60	JRTF69R39DN63M4
3.3	3830	509	2850	1.90	JRTFF69R39DN63M4
3.9	3310	437	2900	2.2	
4.4	2990	384	2920	2.4	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{0.2}$ [lbf]	Service factor f_s	Model
0.25HP					
3.4	4020	500	2830	1.80	
3.8	3680	454	2870	1.95	
4.3	3150	392	2910	2.3	JRTFA69R39DN63M4
5.1	2630	333	2920	2.8	JRTFAF69R39DN63M4
5.7	2320	297	2920	3.1	JRTF69R39DN63M4
6.5	2040	261	2920	3.5	JRTFF69R39DN63M4
7.2	1810	238	2920	4.0	
8.5	1500	200	2920	4.8	
3.0	4430	558	2230	1.20	JRTFA59R39DN63M4
3.4	3960	506	2310	1.35	JRTFAF59R39DN63M4
3.8	3430	452	2390	1.55	JRTF59R39DN63M4
4.4	2930	386	2460	1.80	JRTFF59R39DN63M4
5.0	2540	338	2520	2.1	
4.0	3510	426	2380	1.50	
4.5	3100	382	2440	1.70	JRTFA59R39DN63M4
5.2	2650	330	2500	2.0	JRTFAF59R39DN63M4
5.7	2390	298	2540	2.2	JRTF59R39DN63M4
6.5	2110	262	2570	2.5	JRTFF59R39DN63M4
7.5	1770	226	2580	3.0	
8.5	1530	200	2580	3.5	
4.6	2840	370	1540	1.25	JRTFA49R19DN63M4
5.3	2630	324	1590	1.35	JRTFAF49R19DN63M4
5.9	2270	288	1670	1.55	JRTF49R19DN63M4
6.8	1910	249	1720	1.85	JRTFF49R19DN63M4
5.1	2690	334	1580	1.30	
5.8	2350	295	1650	1.50	JRTFA49R19DN63M4
6.7	1970	253	1720	1.80	JRTFAF49R19DN63M4
7.8	1770	217	1740	2.0	JRTF49R19DN63M4
9.0	1540	190	1780	2.3	JRTFF49R19DN63M4
9.6	1430	178	1790	2.5	
9.1	1500	186	1050	1.20	JRTFA39R19DN63M4
10	1340	167	1090	1.30	JRTFAF39R19DN63M4
12	1190	145	1130	1.50	JRTF39R19DN63M4
13	1050	129	1150	1.65	JRTFF39R19DN63M4
3.8	4150	281.71	4440	3.2	JRTFA79DN71S6
4.1	3870	262.93	4450	3.4	JRTFAF79DN71S6
4.7	3320	225.79	4470	4.0	JRTF79DN71S6
					JRTFF79DN71S6
7.4	2120	228.99	2920	3.4	JRTFA69DN63M4
8.7	1810	195.39	2920	4.0	JRTFAF69DN63M4
9.9	1580	170.85	2920	4.6	JRTF69DN63M4
					JRTFF69DN63M4
4.7	3370	228.89	2890	2.1	JRTFA69DN71S6
5.5	2870	195.39	2920	2.5	JRTFAF69DN71S6
6.3	2510	170.85	2920	2.9	JRTF69DN71S6
					JRTFF69DN71S6
8.5	1850	199.70	2580	2.9	
9.3	1700	183.60	2580	3.1	JRTFA59DN63M4
11	1450	157.09	2580	3.6	JRTFAF59DN63M4
12	1260	136.16	2580	4.2	JRTF59DN63M4
13	1180	127.27	2580	4.5	JRTFF59DN63M4
5.4	2940	199.70	2460	1.80	
5.8	2700	183.60	2500	1.95	
6.8	2310	157.09	2550	2.3	JRTFA59DN71S6
7.9	2000	136.16	2580	2.6	JRTFAF59DN71S6
8.4	1870	127.27	2580	2.8	JRTF59DN71S6
9.7	1620	110.01	2580	3.3	JRTFF59DN71S6
8.9	1760	190.76	1750	2.0	
9.7	1620	175.38	1760	2.2	JRTFA49DN63M4
11	1390	150.06	1790	2.5	JRTFAF49DN63M4
13	1200	130.07	1810	2.9	JRTF49DN63M4
14	1120	121.57	1820	3.1	JRTFF49DN63M4
5.6	2810	190.76	1550	1.25	
6.1	2580	175.38	1600	1.35	JRTFA49DN71S6
7.1	2210	150.06	1680	1.60	JRTFAF49DN71S6
8.2	1910	130.07	1720	1.85	JRTF49DN71S6
8.8	1790	121.57	1740	2.0	JRTFF49DN71S6

Output speed n_g [r/min]	Output torque T_g lbf · in	Ratio i	Permitted overhung load F_{a2} lbf	Service factor f_s	Model
0.25HP					
13	1190	128.51	1130	1.50	JRTFA39DN63M4 JRTFAF39DN63M4 JRTF39DN63M4 JRTFF39DN63M4
14	1090	117.88	1150	1.60	
17	930	100.36	1170	1.90	
20	800	86.53	1190	2.2	
21	745	80.65	1200	2.4	
24	650	70.50	1210	2.7	
26	610	66.09	1210	2.9	
29	540	58.32	1220	3.3	
9.1	1730	117.88	980	1.00	JRTFA39DN71S6 JRTFAF39DN71S6 JRTF39DN71S6 JRTFF39DN71S6
11	1470	100.36	1060	1.20	
12	1270	86.53	1110	1.40	
13	1180	80.65	1130	1.50	
15	1030	70.50	1160	1.70	
0.33HP					
0.19	84200	8831	20200	1.25	JRTFA129R79DN71S4 JRTFAF129R79DN71S4 JRTF129R79DN71S4 JRTFF129R79DN71S4
0.22	72900	7643	20200	1.45	
0.25	67600	6715	20200	1.55	
0.29	59600	5925	20200	1.80	
0.33	50600	5153	20200	2.1	
0.37	43600	4533	20200	2.4	
0.29	57300	5954	11900	1.20	JRTFA109R79DN71S4 JRTFAF109R79DN71S4 JRTF109R79DN71S4 JRTFF109R79DN71S4
0.33	49800	5223	12300	1.35	
0.37	45900	4567	12600	1.50	
0.48	34600	3521	13200	1.95	
0.56	30600	3037	13400	2.2	JRTFA109R79DN71S4 JRTFAF109R79DN71S4 JRTF109R79DN71S4 JRTFF109R79DN71S4
0.62	27800	2756	13500	2.4	
0.72	23900	2369	13700	2.8	
0.82	20800	2068	13800	3.2	
1.1	15900	1597	14100	4.3	
1.2	13600	1401	14100	5.0	
0.58	30200	2907	7260	1.25	JRTFA99R59DN71S4 JRTFAF99R59DN71S4 JRTF99R59DN71S4 JRTFF99R59DN71S4
0.67	27200	2553	7440	1.40	
0.76	23900	2245	7630	1.60	
0.86	20800	1970	7800	1.85	
0.99	18400	1722	7920	2.1	
1.1	16300	1527	8010	2.3	
1.3	13400	1327	8140	2.8	
1.4	12500	1171	8180	3.0	
1.7	10900	1022	8240	3.5	
0.88	20300	1930	5730	1.30	JRTFA89R59DN71S4 JRTFAF89R59DN71S4 JRTF89R59DN71S4 JRTFF89R59DN71S4
0.99	18200	1709	5900	1.45	
1.1	16000	1493	6070	1.65	
1.3	13100	1300	6260	2.0	
1.5	11800	1148	6340	2.2	
1.7	10200	1010	6430	2.6	
1.9	9130	887	6500	2.9	
2.2	7900	780	6560	3.4	
2.5	6650	674	6620	4.0	
1.6	11300	1053	3820	1.15	JRTFA79R39DN71S4 JRTFAF79R39DN71S4 JRTF79R39DN71S4 JRTFF79R39DN71S4
1.9	9770	910	4020	1.35	
2.1	8370	810	4160	1.60	
2.4	7340	710	4250	1.80	
2.8	6520	615	4310	2.0	
3.2	5710	538	4360	2.3	
3.5	5050	480	4390	2.6	
4.1	4260	413	4430	3.1	
3.0	6070	572	2550	1.20	JRTFA69R39DN71S4 JRTFAF69R39DN71S4 JRTF69R39DN71S4 JRTFF69R39DN71S4
3.3	5250	509	2680	1.40	
3.9	4530	437	2700	1.60	

Output speed n_g [r/min]	Output torque T_g lbf • in	Ratio i	Permitted overhung load F_{a2} lbf	Service factor f_s	Model
0.33HP					
3.4	5440	500	2650	1.35	JRTFA69R39DN71S4 JRTFAF69R39DN71S4 JRTF69R39DN71S4 JRTFF69R39DN71S4
3.8	4970	454	2720	1.45	
4.3	4260	392	2810	1.70	
5.1	3570	333	2880	2.0	
5.7	3160	297	2910	2.3	
6.5	2780	261	2920	2.6	
7.2	2480	238	2920	2.9	
4.4	4010	386	2300	1.30	JRTFA59R39DN71S4 JRTFAF59R39DN71S4 JRTF59R39DN71S4 JRTFF59R39DN71S4
5.0	3490	338	2380	1.50	
6.7	2640	255	2500	2.0	
4.5	4180	382	2270	1.25	JRTFA59R39DN71S4 JRTFAF59R39DN71S4 JRTF59R39DN71S4 JRTFF59R39DN71S4
5.2	3590	330	2370	1.50	
5.7	3240	298	2420	1.65	
6.5	2850	262	2480	1.85	
7.5	2410	226	2540	2.2	
8.5	2090	200	2580	2.5	
10	1780	170	2580	3.0	
6.8	2610	249	1600	1.35	JRTFA49R19DN71S4 JRTFAF49R19DN71S4 JRTF49R19DN71S4 JRTFF49R19DN71S4
7.8	2330	218	1650	1.50	
8.8	2050	193	1700	1.70	
9.8	1860	175	1730	1.90	
6.7	2680	253	1580	1.30	JRTFA49R19DN71S4 JRTFAF49R19DN71S4 JRTF49R19DN71S4 JRTFF49R19DN71S4
7.8	2390	217	1640	1.50	
9.0	2070	190	1700	1.70	
9.6	1840	178	1720	1.80	
11	1610	149	1770	2.2	
13	1410	131	1790	2.5	
12	1600	145	1020	1.10	JRTFA39R19DN71S4 JRTFAF39R19DN71S4 JRTF39R19DN71S4 JRTFF39R19DN71S4
13	1420	129	1070	1.25	
14	1290	118	1100	1.35	
17	1070	98	1150	1.65	
20	930	87	1170	1.90	
3.9	5320	281.71	4380	2.5	JRTFA79DN71M6 JRTFAF79DN71M6 JRTF79DN71M6 JRTFF79DN71M6
4.2	4970	262.93	4400	2.7	
4.9	4270	225.79	4430	3.1	
5.5	3750	198.31	4450	3.5	
5.8	3560	188.40	4460	3.7	
4.8	4330	228.99	2800	1.65	JRTFA69DN71M6 JRTFAF69DN71M6 JRTF69DN71M6 JRTFF69DN71M6
5.6	3690	195.39	2860	1.95	
6.4	3230	170.85	2910	2.2	
6.8	3070	162.31	2920	2.4	
7.7	2690	142.40	2920	2.7	
7.4	2800	228.99	2920	2.6	
8.7	2390	195.39	2920	3.0	
9.9	2090	170.85	2920	3.5	JRTFA69DN71S4 JRTFAF69DN71S4 JRTF69DN71S4 JRTFF69DN71S4
10	1980	162.31	2920	3.6	
12	1740	142.40	2920	4.2	
5.5	3770	199.70	2340	1.40	JRTFA59DN71M6 JRTFAF59DN71M6 JRTF59DN71M6 JRTFF59DN71M6
6.0	3470	183.60	2380	1.55	
7.0	2970	157.09	2460	1.80	
8.1	2570	136.16	2510	2.1	
8.6	2400	127.27	2540	2.2	
10	2080	110.01	2580	2.5	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} ¹⁾ [lbf]	Service factor f_s	Model
0.33HP					
8.5	2440	199.70	2530	2.2	
9.3	2240	183.60	2560	2.4	JRTFA59DN71S4
11	1920	157.09	2580	2.8	JRTFAF59DN71S4
12	1660	136.16	2580	3.2	JRTF59DN71S4
13	1550	127.27	2580	3.4	JRTFF59DN71S4
15	1340	110.01	2580	3.9	
7.3	2830	150.06	1540	1.25	JRTFA49DN71M6
8.5	2460	130.07	1630	1.45	JRTFAF49DN71M6
9.1	2290	121.57	1660	1.55	JRTF49DN71M6
10	1980	105.09	1710	1.80	JRTFF49DN71M6
8.9	2330	190.76	1650	1.50	
9.7	2140	175.38	1690	1.65	
11	1830	150.06	1740	1.95	JRTFA49DN71S4
13	1590	130.07	1770	2.2	JRTFAF49DN71S4
14	1480	121.57	1780	2.4	JRTF49DN71S4
16	1280	105.09	1800	2.8	JRTFF49DN71S4
19	1090	89.29	1820	3.2	
13	1570	128.51	1030	1.10	
14	1440	117.88	1070	1.25	
17	1220	100.36	1120	1.45	
20	1050	86.53	1150	1.65	
21	980	80.65	1160	1.80	JRTFA39DN71S4
24	860	70.50	1180	2.0	JRTFAF39DN71S4
26	800	66.09	1190	2.2	JRTF39DN71S4
29	710	58.32	1200	2.5	JRTFF39DN71S4
31	665	54.54	1210	2.6	
33	630	51.70	1210	2.8	
36	575	47.02	1220	3.1	
39	535	43.83	1220	3.3	
44	465	38.31	1230	3.8	
47	435	35.91	1210	4.0	
54	385	31.69	1170	4.6	
0.50HP					
0.25	106900	6715	20200	1.00	
0.29	94400	5925	20200	1.10	JRTFA129R79DN71M4
0.33	80900	5153	20200	1.30	JRTFAF129R79DN71M4
0.37	70200	4533	20200	1.50	JRTF129R79DN71M4
0.43	61600	3926	20200	1.70	JRTFF129R79DN71M4
0.49	53500	3454	20200	2.0	
0.56	46700	3031	20200	2.3	
0.56	48700	3037	12400	1.40	JRTFA109R79DN71M4
0.62	44100	2756	12700	1.55	JRTFAF109R79DN71M4
0.72	37900	2369	13000	1.80	JRTF109R79DN71M4
0.82	33100	2068	13200	2.0	JRTFF109R79DN71M4
1.1	25300	1597	13600	2.7	
0.86	32500	1970	7110	1.15	
0.99	28600	1722	7360	1.35	
1.1	25400	1527	7550	1.50	JRTFA99R59DN71M4
1.3	21300	1327	7770	1.80	JRTFAF99R59DN71M4
1.4	19400	1171	7870	1.95	JRTF99R59DN71M4
1.7	17000	1022	7960	2.2	JRTFF99R59DN71M4
1.9	14200	898	8110	2.7	
1.3	20800	1300	5680	1.25	
1.5	18600	1148	5870	1.40	
1.7	16200	1010	6050	1.65	
1.9	14300	887	6180	1.85	JRTFA89R59DN71M4
2.2	12500	780	6300	2.1	JRTFAF89R59DN71M4
2.5	10600	674	6410	2.5	JRTF89R59DN71M4
2.8	9780	609	6460	2.7	JRTFF89R59DN71M4
3.3	8230	515	6540	3.2	
3.8	7260	452	6590	3.6	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} ¹⁾ [lbf]	Service factor f_s	Model
0.50HP					
2.1	13100	810	3550	1.00	
2.4	11500	710	3800	1.15	
2.8	10100	615	3970	1.30	JRTFA79R39DN71M4
3.2	8900	538	4110	1.50	JRTFAF79R39DN71M4
3.5	7900	480	4200	1.70	JRTF79R39DN71M4
4.1	6710	413	4290	2.0	JRTFF79R39DN71M4
4.6	6030	367	4340	2.2	
5.3	5380	323	4380	2.5	
4.4	6340	384	2500	1.15	JRTFA69R39DN71M4
5.0	5640	338	2620	1.30	JRTFAF69R39DN71M4
5.6	5030	305	2710	1.45	JRTF69R39DN71M4
6.6	4220	257	2810	1.70	JRTFF69R39DN71M4
7.4	3710	231	2860	1.95	
6.7	4160	255	2270	1.30	JRTFA59R39DN71M4
8.5	3240	201	2420	1.65	JRTFAF59R39DN71M4
9.4	2940	181	2460	1.80	JRTF59R39DN71M4
6.5	4420	262	2230	1.20	JRTFF59R39DN71M4
7.5	3760	226	2340	1.40	
8.5	3300	200	2410	1.60	JRTFA59R39DN71M4
10	2800	170	2480	1.90	JRTFAF59R39DN71M4
11	2480	152	2530	2.1	JRTF59R39DN71M4
13	2180	134	2560	2.4	JRTFF59R39DN71M4
9.8	2900	175	1530	1.20	JRTFA49R19DN71M4
12	2440	147	1630	1.45	JRTFAF49R19DN71M4
13	2150	130	1690	1.65	JRTF49R19DN71M4
4.1	7750	270.68	6570	3.4	JRTFA89DN80M6
4.3	7310	255.37	6590	3.6	JRTFAF89DN80M6
4.8	6560	228.93	6630	4.0	JRTF89DN80M6
4.9	6470	225.79	4310	2.0	JRTFF89DN80M6
5.5	5680	198.31	4360	2.3	JRTFA79DN80M6
5.8	5390	188.40	4380	2.5	JRTFAF79DN80M6
6.6	4770	166.47	4410	2.8	JRTF79DN80M6
7.7	4070	142.27	4440	3.3	JRTFF79DN80M6
6.0	5220	281.71	4390	2.5	JRTFA79DN71M4
6.5	4870	262.93	4400	2.7	JRTFAF79DN71M4
7.5	4180	225.79	4440	3.2	JRTF79DN71M4
8.6	3670	198.31	4460	3.6	JRTFF79DN71M4
5.6	5590	195.39	2630	1.30	
6.4	4890	170.85	2730	1.50	JRTFA69DN80M6
6.8	4650	162.31	2760	1.55	JRTFAF69DN80M6
7.7	4080	142.40	2830	1.80	JRTF69DN80M6
9.1	3460	120.79	2890	2.1	JRTFF69DN80M6
7.4	4240	228.99	2810	1.70	
8.7	3620	195.39	2870	2.0	JRTFA69DN71M4
9.9	3160	170.85	2910	2.3	JRTFAF69DN71M4
10	3010	162.31	2920	2.4	JRTF69DN71M4
12	2640	142.40	2920	2.8	JRTFF69DN71M4
14	2230	120.79	2920	3.2	
7.0	4500	157.09	2220	1.20	JRTFA59DN80M6
8.1	3900	136.16	2320	1.35	JRTFAF59DN80M6
8.6	3640	127.27	2360	1.45	JRTF59DN80M6
10	3150	110.01	2430	1.70	JRTFF59DN80M6
8.5	3700	199.70	2350	1.45	
9.3	3400	183.60	2400	1.55	
11	2910	157.09	2470	1.80	JRTFA59DN71M4
12	2520	136.16	2520	2.1	JRTFAF59DN71M4
13	2360	127.27	2540	2.2	JRTF59DN71M4
15	2040	110.01	2580	2.6	JRTFF59DN71M4
18	1730	93.47	2580	3.1	
20	1540	83.46	2580	3.4	
11	2780	150.06	1560	1.25	
13	2410	130.07	1640	1.45	JRTFA49DN71M4
16	1940	105.09	1720	1.80	JRTFAF49DN71M4
19	1650	89.29	1760	2.1	JRTF49DN71M4
21	1470	79.72	1780	2.4	JRTFF49DN71M4
25	1260	68.09	1800	2.8	
26	1210	65.36	1810	2.9	

Output speed n_g [r/min]	Output torque T_g [lbf · in]	Ratio i	Permitted overhung load F_{a2} [lbf]	Service factor f_s	Model
0.75HP					
0.27	143100	6295	23700	1.10	JRTFA159R99DN80S4
0.31	118000	5404	25100	1.35	JRTFAF159R99DN80S4
0.61	60700	2780	27000	2.6	JRTFF159R99DN80S4
0.70	53600	2427	27000	3.0	JRTFA159R99DN80S4
1.0	39200	1674	27000	4.1	JRTFAF159R99DN80S4
1.3	29600	1308	27000	5.4	JRTF159R99DN80S4
1.4	25800	1169	27000	6.2	JRTFF159R99DN80S4
0.43	96100	3926	20200	1.10	JRTFA129R79DN80S4
0.49	83800	3454	20200	1.25	JRTFAF129R79DN80S4
0.56	73300	3031	20200	1.45	JRTF129R79DN80S4
0.71	59000	2369	11800	1.15	JRTFF129R79DN80S4
0.82	51500	2068	12200	1.30	
0.93	43900	1826	12700	1.55	
1.1	39500	1597	12900	1.70	JRTFA109R79DN80S4
1.2	34400	1401	13200	1.95	JRTFAF109R79DN80S4
1.4	29900	1243	13400	2.3	JRTF109R79DN80S4
1.6	26900	1087	13500	2.5	JRTFF109R79DN80S4
1.8	22800	950	13700	3.0	
2.0	19800	834	13900	3.4	
2.6	15500	640	14100	4.4	
1.3	33100	1327	7070	1.15	
1.4	29800	1171	7280	1.25	
1.6	26100	1022	7510	1.45	
1.9	22100	898	7730	1.70	
2.1	19700	784	7860	1.95	JRTFA99R59DN80S4
2.5	17000	690	7980	2.2	JRTFAF99R59DN80S4
2.8	15000	605	8070	2.5	JRTF99R59DN80S4
3.2	13000	529	8160	2.9	JRTFF99R59DN80S4
3.6	11400	467	8220	3.3	
4.2	9870	406	8280	3.9	
4.7	8850	363	8320	4.3	
1.9	22200	887	5560	1.20	
2.2	19400	780	5800	1.35	
2.5	16600	674	6020	1.60	JRTFA89R59DN80S4
2.8	15100	609	6120	1.75	JRTFAF89R59DN80S4
3.3	12800	515	6280	2.1	JRTF89R59DN80S4
3.7	11200	452	6370	2.4	JRTFF89R59DN80S4
4.9	8400	345	6530	3.2	
3.5	12100	480	3710	1.10	JRTFA79R39DN80S4
4.1	10300	413	3950	1.30	JRTFAF79R39DN80S4
4.6	9290	367	4070	1.45	JRTF79R39DN80S4
5.2	8240	323	4170	1.60	JRTFF79R39DN80S4
6.6	6500	257	2470	1.10	JRTFA69R39DN80S4
7.3	5760	231	2600	1.25	JRTFAF69R39DN80S4
8.2	5160	205	2690	1.40	JRTF69R39DN80S4
9.7	4390	175	2790	1.65	JRTFF69R39DN80S4
4.1	11400	270.68	6370	2.3	JRTFA89DN90S6
4.4	10700	255.37	6400	2.5	JRTFAF89DN90S6
4.9	9660	228.93	6470	2.8	JRTF89DN90S6
5.7	8320	197.20	6540	3.2	JRTFF89DN90S6
6.2	7590	179.97	6580	3.5	
5.0	9530	225.79	4040	1.40	
5.7	8370	198.31	4160	1.60	JRTFA79DN90S6
5.9	7950	188.40	4200	1.65	JRTFAF79DN90S6
6.7	7020	166.47	4270	1.90	JRTF79DN90S6
7.9	6000	142.27	4340	2.2	JRTFF79DN90S6
8.6	5500	130.42	4370	2.4	

Output speed n_g [r/min]	Output torque T_g [lbf · in]	Ratio i	Permitted overhung load F_{a2} [lbf]	Service factor f_s	Model
0.75HP					
7.5	6310	225.79	4320	2.1	
8.5	5540	198.31	4370	2.4	
9.0	5270	188.40	4380	2.5	
10	4650	166.47	4410	2.9	JRTFA79DN80S4
12	3980	142.27	4440	3.3	JRTFAF79DN80S4
13	3640	130.42	4460	3.6	JRTF79DN80S4
15	3200	114.45	4470	4.1	JRTFF79DN80S4
16	3030	108.46	4480	4.4	
18	2650	94.93	4490	5.0	
8.7	5460	195.39	2650	1.35	
9.9	4780	170.85	2750	1.50	
10	4540	162.31	2770	1.60	
12	3980	142.40	2840	1.80	JRTFA69DN80S4
14	3370	120.79	2890	2.1	JRTFAF69DN80S4
16	3050	109.04	2920	2.4	JRTF69DN80S4
18	2680	95.94	2920	2.7	JRTFF69DN80S4
19	2530	90.59	2920	2.9	
21	2230	79.76	2920	3.2	
11	4390	157.09	2230	1.20	
12	3810	136.16	2330	1.40	
13	3560	127.27	2370	1.50	
15	3070	110.01	2440	1.70	JRTFA59DN80S4
18	2610	93.47	2510	2.0	JRTFAF59DN80S4
20	2330	83.46	2550	2.3	JRTF59DN80S4
23	2040	72.98	2580	2.6	JRTFF59DN80S4
25	1900	68.22	2580	2.8	
29	1640	58.97	2580	3.2	
16	2940	105.09	1520	1.20	
19	2490	89.29	1620	1.40	
21	2230	79.72	1670	1.60	JRTFA49DN80S4
25	1900	68.09	1730	1.85	JRTFAF49DN80S4
26	1820	65.36	1740	1.95	JRTF49DN80S4
30	1580	56.49	1770	2.2	JRTFF49DN80S4
35	1340	48.00	1800	2.6	
39	1190	42.86	1810	3.0	
29	1630	58.32	1010	1.10	
31	1520	54.54	1040	1.15	
33	1440	51.70	1070	1.20	
36	1310	47.02	1100	1.35	JRTFA39DN80S4
39	1220	43.83	1120	1.45	JRTFAF39DN80S4
44	1070	38.31	1110	1.65	JRTF39DN80S4
47	1000	35.91	1100	1.75	JRTFF39DN80S4
53	880	31.69	1070	2.0	
60	785	28.09	1040	2.2	
71	665	23.88	1000	2.6	
72	660	23.63	1000	2.7	
82	575	20.57	970	3.1	JRTFA39DN80S4
88	535	19.27	950	3.3	JRTFAF39DN80S4
99	475	17.03	920	3.7	JRTF39DN80S4
118	400	14.33	880	4.4	JRTFF39DN80S4
1.0HP					
0.32	157700	5404	22600	1.00	JRTFA159R99DN80M4
0.36	138100	4831	24000	1.15	JRTFAF159R99DN80M4
0.42	115500	4130	25200	1.40	JRTF159R99DN80M4
0.63	81100	2780	26600	1.95	JRTFF159R99DN80M4





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{21}}$ [lbf]	Service factor f_s	Model
1.0HP					
0.72	71700	2427	26900	2.2	
0.80	63200	2185	27000	2.5	JRTFA159R99DN80M4
0.90	56200	1944	27000	2.8	JRTFAF159R99DN80M4
1.1	51800	1674	27000	3.1	JRTF159R99DN80M4
1.3	39300	1308	27000	4.0	JRTFF159R99DN80M4
1.5	34500	1169	27000	4.6	
0.58	95800	3031	20200	1.10	JRTFA129R79DN80M4 JRTFAF129R79DN80M4 JRTF129R79DN80M4 JRTFF129R79DN80M4
0.66	86600	2672	20200	1.20	
0.74	75600	2357	20200	1.40	
0.86	65100	2038	20200	1.65	JRTFA129R79DN80M4
0.98	56600	1784	20200	1.85	JRTFAF129R79DN80M4
1.1	50700	1606	20200	2.1	JRTF129R79DN80M4
1.3	43900	1390	20200	2.4	JRTFF129R79DN80M4
1.4	38200	1220	20200	2.8	
0.82	68100	2129	11200	1.00	
0.97	57500	1813	11900	1.20	
1.1	51500	1590	12200	1.35	
1.2	46300	1436	12500	1.50	JRTFA109R79DN80M4
1.4	40500	1263	12900	1.70	JRTFAF109R79DN80M4
1.5	38100	1193	13000	1.80	JRTF109R79DN80M4
1.7	32200	1015	13300	2.1	JRTFF109R79DN80M4
1.9	29100	923	13400	2.4	
2.2	25000	800	13600	2.8	
0.85	67000	2068	11300	1.00	
0.96	57700	1826	11900	1.20	
1.1	51500	1597	12200	1.30	
1.2	44900	1401	12600	1.50	
1.4	39200	1243	12900	1.75	JRTFA109R79DN80M4
1.6	35100	1087	13100	1.95	JRTFAF109R79DN80M4
1.8	30000	950	13400	2.3	JRTF109R79DN80M4
2.1	26100	834	13600	2.6	JRTFF109R79DN80M4
2.4	22800	736	13700	3.0	
2.7	20300	640	13900	3.3	
4.0	13800	436	14100	4.9	
1.7	32900	1023	7080	1.15	JRTFA99R59DN80M4 JRTFAF99R59DN80M4 JRTF99R59DN80M4 JRTFF99R59DN80M4
1.7	33800	1022	7020	1.15	
1.9	28900	898	7340	1.30	
2.2	25600	784	7540	1.50	JRTFA99R59DN80M4
2.5	22200	690	7730	1.70	JRTFAF99R59DN80M4
2.9	19500	605	7860	1.95	JRTF99R59DN80M4
3.3	17000	529	7980	2.2	JRTFF99R59DN80M4
3.7	15000	467	8080	2.5	
4.3	12900	406	8160	3.0	
4.8	11500	363	8220	3.3	
2.0	29800	892	7280	1.25	
2.3	25300	760	7550	1.50	JRTFA99R59DN80M4
2.6	22200	667	7730	1.70	JRTFAF99R59DN80M4
3.1	18800	569	7900	2.0	JRTF99R59DN80M4
3.4	16800	510	7990	2.3	JRTFF99R59DN80M4
3.7	15500	473	8050	2.5	
4.3	13100	403	8160	2.9	
2.3	24200	748	5380	1.10	JRTFA89R59DN80M4 JRTFAF89R59DN80M4 JRTF89R59DN80M4 JRTFF89R59DN80M4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{21}}$ [lbf]	Service factor f_s	Model
1.0HP					
2.2	25300	780	5270	1.05	
2.6	21700	674	5610	1.20	
2.9	19700	609	5780	1.35	JRTFA89R59DN80M4
3.4	16800	515	6020	1.60	JRTFAF89R59DN80M4
3.9	14600	452	6160	1.80	JRTF89R59DN80M4
5.1	11000	345	6390	2.4	JRTFF89R59DN80M4
5.8	9510	300	6470	2.8	
2.6	22100	662	5570	1.20	
3.0	19700	592	5780	1.35	
3.4	17200	519	5970	1.55	JRTFA89R59DN80M4
3.8	15500	468	6100	1.70	JRTFAF89R59DN80M4
4.4	13100	398	6260	2.0	JRTF89R59DN80M4
5.0	11400	350	6360	2.3	JRTFF89R59DN80M4
5.6	10300	315	6430	2.6	
6.2	9170	281	6490	2.9	
4.8	12000	367	3730	1.10	
5.4	10600	323	3910	1.25	JRTFA79R39DN80M4
6.3	9190	280	4080	1.45	JRTFAF79R39DN80M4
7.1	8130	247	4180	1.65	JRTF79R39DN80M4
7.9	7240	221	4250	1.85	JRTFF79R39DN80M4
8.8	6460	199	4310	2.0	
6.0	9600	292	4040	1.00	JRTFA79R39DN80M4 JRTFAF79R39DN80M4 JRTF79R39DN80M4 JRTFF79R39DN80M4
8.5	6710	206	2430	1.10	JRTFA69R39DN80M4
10	5710	175	2610	1.25	JRTFAF69R39DN80M4 JRTF69R39DN80M4 JRTFF69R39DN80M4
8.7	6590	200	2460	1.10	JRTFA69R39DN80M4
10.0	6790	176	2600	1.25	JRTFAF69R39DN80M4 JRTF69R39DN80M4 JRTFF69R39DN80M4
11	5050	155	2120	1.05	JRTFA59R39DN80M4 JRTFAF59R39DN80M4 JRTF59R39DN80M4 JRTFF59R39DN80M4
11	5010	152	2120	1.05	JRTFA59R39DN80M4
13	4410	134	2230	1.20	JRTFAF59R39DN80M4 JRTF59R39DN80M4 JRTFF59R39DN80M4
4.2	14900	276.77	8080	2.5	JRTFA99DN90S6
4.6	13700	253.41	8130	2.8	JRTFAF99DN90S6
5.2	12100	223.88	8200	3.1	JRTF99DN90S6 JRTFF99DN90S6
4.3	14600	270.68	6160	1.80	
4.6	13800	255.37	6220	1.90	JRTFA89DN90S6
5.1	12300	228.93	6310	2.1	JRTFAF89DN90S6
5.9	10600	197.20	6410	2.5	JRTF89DN90S6
6.5	9730	179.97	6460	2.7	JRTFF89DN90S6
7.3	8630	159.61	6520	3.1	
6.5	9730	270.68	6460	2.7	JRTFA89DN80M4
6.9	9180	255.37	6490	2.9	JRTFAF89DN80M4
7.7	8230	228.93	6540	3.2	JRTF89DN80M4 JRTFF89DN80M4
5.9	10700	198.31	3910	1.25	
6.2	10100	188.40	3970	1.30	
7.0	9000	166.47	4100	1.45	
8.2	7690	142.27	4220	1.70	JRTFA79DN90S6
8.9	7050	130.42	4270	1.90	JRTFAF79DN90S6
10	6180	114.45	4330	2.1	JRTF79DN90S6
11	5860	108.46	4350	2.3	JRTFF79DN90S6
12	5130	94.93	4390	2.6	
14	4620	85.52	4420	2.9	

Output speed n_s [r/min]	Output torque T_s lbf • in	Ratio i	Permitted overhung load F_{s2} ¹⁾ lbf	Service factor f_s	Model
1.0HP					
7.8	8120	225.79	4180	1.65	
8.8	7130	198.31	4260	1.85	
9.3	6770	188.40	4290	1.95	
11	5980	166.47	4340	2.2	JRTFA79DN80M4
12	5110	142.27	4390	2.6	JRTFAF79DN80M4
13	4690	130.42	4410	2.8	JRTF79DN80M4
15	4110	114.45	4440	3.2	JRTFF79DN80M4
16	3900	108.46	4450	3.4	
9.7	6530	120.79	2470	1.10	
11	5890	109.04	2580	1.25	
12	5180	95.94	2690	1.40	
13	4890	90.59	2730	1.50	JRTFA69DN90S6
15	4310	79.76	2800	1.70	JRTFAF69DN90S6
17	3650	67.65	2870	2.0	JRTF69DN90S6
19	3300	61.07	2900	2.2	JRTFF69DN90S6
22	2900	53.73	2920	2.5	
23	2740	50.74	2920	2.6	
9.0	7030	195.39	2370	1.05	
10	6140	170.85	2540	1.20	
11	5840	162.31	2590	1.25	
12	5120	142.40	2700	1.40	
14	4340	120.79	2800	1.65	JRTFA69DN80M4
16	3920	109.04	2840	1.85	JRTFAF69DN80M4
18	3450	95.94	2890	2.1	JRTF69DN80M4
19	3250	90.59	2900	2.2	JRTFF69DN80M4
22	2880	79.76	2920	2.5	
26	2430	67.65	2920	3.0	
29	2190	61.07	2920	3.3	
12	5050	93.47	2120	1.05	
14	4510	83.46	2210	1.20	
16	3940	72.98	2310	1.35	
17	3680	68.22	2350	1.45	JRTFA59DN90S6
20	3180	58.97	2430	1.65	JRTFAF59DN90S6
23	2700	50.10	2500	1.95	JRTF59DN90S6
26	2410	44.73	2530	2.2	JRTFF59DN90S6
30	2060	38.21	2570	2.6	
33	1930	35.79	2530	2.7	
13	4890	136.16	2140	1.10	
14	4570	127.27	2200	1.15	
16	3950	110.01	2310	1.35	
19	3360	93.47	2400	1.60	JRTFA59DN80M4
21	3000	83.46	2450	1.75	JRTFAF59DN80M4
24	2620	72.98	2510	2.0	JRTF59DN80M4
26	2450	68.22	2530	2.2	JRTFF59DN80M4
30	2120	58.97	2570	2.5	
35	1800	50.10	2480	2.9	
39	1600	44.73	2410	3.3	
21	3050	56.49	1490	1.15	
24	2590	48.00	1600	1.35	
27	2310	42.86	1660	1.55	JRTFA49DN90S6
32	1970	36.61	1720	1.80	JRTFAF49DN90S6
34	1850	34.29	1730	1.90	JRTF49DN90S6
40	1560	28.88	1760	2.3	JRTFF49DN90S6

Output speed n_s [r/min]	Output torque T_s lbf • in	Ratio i	Permitted overhung load F_{s2} ¹⁾ lbf	Service factor f_s	Model
1.0HP					
20	3210	89.29	1440	1.10	
22	2860	79.72	1540	1.25	
26	2450	68.09	1630	1.45	
27	2350	65.36	1650	1.50	JRTFA49DN80M4
31	2030	56.49	1710	1.75	JRTFAF49DN80M4
36	1720	48.00	1750	2.0	JRTF49DN80M4
41	1540	42.86	1760	2.3	JRTFF49DN80M4
48	1310	36.61	1690	2.7	
51	1230	34.29	1670	2.9	
61	1030	28.88	1600	3.4	
37	1710	31.69	980	1.05	JRTFA39DN90S6
41	1510	28.09	1050	1.15	JRTFAF39DN90S6
49	1290	23.88	1020	1.35	JRTF39DN90S6
37	1690	47.02	990	1.05	
40	1570	43.83	1030	1.10	
46	1370	38.31	1030	1.30	JRTFA39DN80M4
49	1290	35.91	1020	1.35	JRTFAF39DN80M4
55	1140	31.69	1000	1.55	JRTF39DN80M4
62	1010	28.09	980	1.75	JRTFF39DN80M4
73	850	23.88	950	2.1	
74	850	23.63	950	2.1	
85	740	20.57	920	2.4	JRTFA39DN80M4
91	690	19.27	900	2.5	JRTFAF39DN80M4
103	610	17.03	880	2.9	JRTF39DN80M4
122	515	14.33	840	3.4	JRTFF39DN80M4
136	460	12.87	820	3.8	
1.5HP					
0.63	126700	2780	24600	1.25	
0.73	112000	2427	25400	1.40	
0.81	99500	2185	25900	1.60	
0.91	88500	1944	26300	1.80	
1.1	79600	1674	26800	2.0	JRTFA159R99DN90S4
1.4	61100	1308	27000	2.6	JRTFAF159R99DN90S4
1.5	53900	1169	27000	3.0	JRTF159R99DN90S4
1.9	42700	953	27000	3.7	JRTFF159R99DN90S4
2.1	37100	845	27000	4.3	
4.0	19600	446	27000	8.1	
5.8	13300	302	27000	12	
0.86	99000	2038	20200	1.05	
0.99	86200	1784	20200	1.25	
1.1	77400	1606	20200	1.35	
1.3	67000	1390	20200	1.60	JRTFA129R79DN90S4
1.4	58400	1220	20200	1.80	JRTFAF129R79DN90S4
1.6	52100	1077	20200	2.0	JRTF129R79DN90S4
1.9	44500	930	20200	2.4	JRTFF129R79DN90S4
2.1	39100	820	20200	2.7	
1.4	61500	1263	11600	1.15	
1.5	57900	1193	11800	1.20	JRTFA109R79DN90S4
1.7	49100	1015	12400	1.40	JRTFAF109R79DN90S4
1.9	44400	923	12600	1.55	JRTF109R79DN90S4
2.2	38300	800	13000	1.80	JRTFF109R79DN90S4
2.5	33100	696	13200	2.1	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H0.1}$ [lbf]	Service factor f_s	Model
1.5HP					
1.3	68200	1401	11200	1.00	
1.4	59900	1243	11700	1.15	
1.6	53100	1087	12100	1.30	
1.9	45800	950	12600	1.50	
2.1	39900	834	12900	1.70	JRTFA109R79DN90S4
2.4	35000	736	13100	1.95	JRTFAF109R79DN90S4
2.8	30900	640	13400	2.2	JRTFF109R79DN90S4
3.1	26500	560	13600	2.6	
3.6	23100	489	13700	2.9	
2.7	31900	644	13300	2.2	JRTFA109R79DN90S4
3.0	29200	591	13400	2.4	JRTFAF109R79DN90S4
3.4	25500	518	13600	2.7	JRTFF109R79DN90S4
3.6	24100	491	13700	2.9	JRTFF109R79DN90S4
2.6	33600	690	7030	1.15	
2.9	29600	605	7300	1.30	
3.3	25800	529	7530	1.45	JRTFA99R59DN90S4
3.8	22700	467	7700	1.65	JRTFAF99R59DN90S4
4.3	19600	406	7860	1.95	JRTFF99R59DN90S4
4.8	17600	363	7960	2.2	
6.2	13900	285	8120	2.7	
2.3	38100	760	6710	1.00	
2.6	33400	667	7050	1.15	
3.1	28300	569	7380	1.35	
3.5	25400	510	7550	1.50	JRTFA99R59DN90S4
3.7	23400	473	7660	1.60	JRTFAF99R59DN90S4
4.4	19900	403	7850	1.90	JRTFF99R59DN90S4
4.9	17800	361	7950	2.1	
5.6	15500	317	8050	2.4	
6.4	13700	275	8130	2.8	
3.4	25200	515	5280	1.05	JRTFA89R59DN90S4
3.9	22200	452	5570	1.20	JRTFAF89R59DN90S4
5.1	16700	345	6010	1.60	JRTFF89R59DN90S4
5.9	14500	300	6170	1.85	JRTFF89R59DN90S4
7.1	12000	249	6330	2.2	
3.4	26000	519	4900	1.00	
3.8	23400	468	5460	1.15	
4.4	19800	398	5770	1.35	
5.0	17300	350	5960	1.55	JRTFA89R59DN90S4
5.6	15600	315	6090	1.70	JRTFAF89R59DN90S4
6.3	13900	281	6210	1.90	JRTFF89R59DN90S4
7.3	11900	240	6330	2.2	
8.3	10400	211	6420	2.5	
9.1	9630	193	6470	2.8	
7.1	12200	247	3700	1.10	JRTFA79R39DN90S4
8.0	10900	221	3880	1.20	JRTFAF79R39DN90S4
8.9	9770	199	4020	1.35	JRTFF79R39DN90S4
4.3	22100	276.77	7730	1.70	
4.7	20200	253.41	7830	1.90	JRTFA99DN90L6
5.3	17800	223.88	7940	2.1	JRTFAF99DN90L6
6.2	15100	189.92	8070	2.5	JRTFF99DN90L6
6.8	13900	174.87	8120	2.7	
6.4	14800	276.77	8080	2.6	JRTFA99DN90S4
7.0	13500	253.41	8140	2.8	JRTFAF99DN90S4
7.9	12000	223.88	8200	3.2	JRTFF99DN90S4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H0.1}$ [lbf]	Service factor f_s	Model
1.5HP					
6.0	15700	197.20	6080	1.70	JRTFA89DN90L6
6.6	14300	179.97	6180	1.85	JRTFAF89DN90L6
7.4	12700	159.61	6280	2.1	JRTFF89DN90L6
6.5	14500	270.68	6170	1.85	
6.9	13600	255.37	6220	1.95	
7.7	12200	228.93	6310	2.2	JRTFA89DN90S4
8.9	10500	197.20	6420	2.5	JRTFAF89DN90S4
9.8	9650	179.97	6470	2.8	JRTFF89DN90S4
11	8560	159.61	6530	3.1	
13	7190	134.16	6600	3.7	
14	6610	123.29	6620	4.0	
7.8	12100	225.79	3720	1.10	
8.9	10600	198.31	3920	1.25	
9.3	10100	188.40	3980	1.30	
11	8920	166.47	4110	1.50	
12	7630	142.27	4220	1.75	JRTFA79DN90S4
14	6990	130.42	4270	1.90	JRTFAF79DN90S4
15	6130	114.45	4330	2.2	JRTFF79DN90S4
16	5810	108.46	4350	2.3	
19	5090	94.93	4390	2.6	
21	4580	85.52	4420	2.9	
23	4020	75.02	4440	3.3	
15	6470	120.79	2480	1.10	
16	5840	109.04	2590	1.25	
18	5140	95.94	2700	1.40	
19	4850	90.59	2740	1.50	
22	4270	79.76	2800	1.70	JRTFA69DN90S4
26	3620	67.65	2870	2.0	JRTFAF69DN90S4
29	3270	61.07	2900	2.2	JRTFF69DN90S4
33	2880	53.73	2920	2.5	
35	2720	50.74	2920	2.7	
41	2310	43.20	2900	3.1	
45	2100	39.26	2920	3.3	
52	1820	34.01	2920	3.6	
19	5010	93.47	2120	1.05	
21	4470	83.46	2220	1.20	
24	3910	72.98	2320	1.35	
26	3650	68.22	2360	1.45	JRTFA59DN90S4
30	3160	58.97	2430	1.70	JRTFAF59DN90S4
35	2680	50.10	2340	2.0	JRTFF59DN90S4
39	2390	44.73	2290	2.2	
46	2040	38.21	2200	2.6	
49	1910	35.79	2170	2.8	
58	1610	30.15	2080	3.2	
51	1830	34.24	2140	2.4	JRTFA59DN90S4
					JRTFAF59DN90S4
					JRTFF59DN90S4
27	3500	65.36	1340	1.00	
31	3030	56.49	1490	1.15	
37	2570	48.00	1600	1.35	JRTFA49DN90S4
41	2290	42.86	1620	1.55	JRTFAF49DN90S4
48	1960	36.61	1580	1.80	JRTFF49DN90S4
51	1830	34.29	1560	1.90	
61	1540	28.88	1500	2.3	

Output speed n_g [r/min]	Output torque T_g [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
1.5HP					
57	1650	30.86	1530	2.1	
60	1570	29.32	1510	2.2	JRTFA49DN90S4
68	1370	25.72	1470	2.6	JRTFAF49DN90S4
81	1170	21.82	1410	3.0	JRTF49DN90S4
89	1050	19.70	1380	3.4	JRTFF49DN90S4
56	1690	31.69	880	1.05	JRTFA39DN90S4
63	1500	28.09	870	1.15	JRTFAF39DN90S4
74	1280	23.88	860	1.40	JRTF39DN90S4
75	1260	1260	860	1.40	JRTFF39DN90S4
86	1100	1100	840	1.60	
91	1030	1030	830	1.70	
103	910	910	810	1.95	
111	840	840	800	2.1	JRTFA39DN90M2
123	765	765	790	2.3	JRTFAF39DN90M2
137	690	690	770	2.6	JRTF39DN90M2
159	590	590	745	2.8	JRTFF39DN90M2
169	555	555	735	2.9	
196	480	480	710	3.2	
435	215	215	580	6.9	
469	200	200	560	6.4	
517	183	183	545	6.8	JRTFA39DN80M2
576	164	164	530	7.3	JRTFAF39DN80M2
669	141	141	505	7.8	JRTF39DN80M2
711	133	133	500	8.0	JRTFF39DN80M2
826	114	114	475	8.5	
925	102	102	460	9.1	
2.0HP					
0.73	152400	2427	23000	1.05	
0.81	135800	2185	24100	1.15	
0.91	120800	1944	24900	1.30	
1.1	107500	1674	25800	1.50	JRTFA159R99DN90L4
1.4	82800	1308	26500	1.90	JRTFAF159R99DN90L4
1.5	73300	1169	26800	2.2	JRTF159R99DN90L4
1.9	58600	953	27000	2.7	JRTFF159R99DN90L4
2.1	51200	845	27000	3.1	
4.0	27000	446	27000	5.9	
5.8	18300	302	27000	8.7	
1.1	104100	1606	20200	1.00	
1.3	90100	1390	20200	1.20	
1.4	78700	1220	20200	1.35	
1.6	70000	1077	20200	1.50	JRTFA129R79DN90L4
1.9	60000	930	20200	1.75	JRTFAF129R79DN90L4
2.1	52700	820	20200	2.0	JRTF129R79DN90L4
2.4	46500	727	20200	2.3	JRTFF129R79DN90L4
2.7	42100	648	20200	2.5	
3.2	35700	549	20200	3.0	
1.7	66000	1015	11300	1.05	JRTFA109R79DN90L4
1.9	59800	823	11700	1.15	JRTFAF109R79DN90L4
2.2	51600	800	12200	1.35	JRTF109R79DN90L4
2.5	44700	696	12600	1.55	JRTFF109R79DN90L4
1.9	61600	950	11600	1.10	JRTFA109R79DN90L4
2.1	53800	834	12100	1.25	JRTFAF109R79DN90L4
2.4	47300	736	12500	1.45	JRTF109R79DN90L4
2.8	41600	640	12800	1.65	JRTFF109R79DN90L4

Output speed n_g [r/min]	Output torque T_g [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
2.0HP					
3.1	35800	560	13100	1.90	JRTFA109R79DN90L4
3.6	31300	489	13300	2.2	JRTFAF109R79DN90L4
4.0	28300	436	13500	2.4	JRTF109R79DN90L4
4.8	24000	370	13700	2.8	JRTFF109R79DN90L4
2.7	42800	644	12700	1.60	
3.0	39200	591	12900	1.75	JRTFA109R79DN90L4
3.4	34200	518	13200	2.0	JRTFAF109R79DN90L4
3.6	32400	491	13300	2.1	JRTF109R79DN90L4
4.1	28200	430	13500	2.5	JRTFF109R79DN90L4
4.6	25400	387	13600	2.7	
3.3	34500	529	6970	1.10	
3.8	30500	467	7240	1.25	
4.4	26300	406	7490	1.45	JRTFA99R59DN90L4
4.9	23600	363	7650	1.60	JRTFAF99R59DN90L4
6.2	18600	285	7910	2.0	JRTF99R59DN90L4
7.2	16000	245	8030	2.4	JRTFF99R59DN90L4
8.5	13600	208	8130	2.8	
9.1	12600	195	8170	3.0	
3.5	34000	510	7010	1.10	
3.7	31400	473	7180	1.20	JRTFA99R59DN90L4
4.4	26600	403	7480	1.45	JRTFAF99R59DN90L4
4.9	23900	361	7630	1.60	JRTF99R59DN90L4
5.6	20900	317	7790	1.80	JRTFF99R59DN90L4
6.4	18300	275	7920	2.1	
7.3	16100	242	8030	2.4	
5.1	22400	345	5540	1.20	JRTFA89R59DN90L4
5.9	19500	300	5800	1.35	JRTFAF89R59DN90L4
7.1	16100	249	6050	1.65	JRTF89R59DN90L4
5.0	23200	350	5470	1.15	JRTFF89R59DN90L4
5.6	20900	315	5680	1.25	JRTFA89R59DN90L4
6.3	18600	281	5870	1.40	JRTFAF89R59DN90L4
7.4	16000	240	6060	1.65	JRTF89R59DN90L4
8.4	14000	211	6200	1.90	JRTFF89R59DN90L4
9.2	12800	193	6280	2.1	
4.6	27100	254.40	13500	2.5	JRTFA109DN100L6
5.5	22900	215.37	13700	3.0	JRTFAF109DN100L6
5.9	21200	199.31	13800	3.2	JRTF109DN100L6
6.6	19000	178.64	13900	3.6	JRTFF109DN100L6
4.3	29500	276.77	7300	1.30	
4.7	27000	253.41	7460	1.40	JRTFA99DN100L6
5.3	23800	223.88	7640	1.60	JRTFAF99DN100L6
6.2	20200	189.92	7830	1.90	JRTF99DN100L6
6.8	18600	174.87	7910	2.0	JRTFF99DN100L6
6.4	19700	276.77	7850	1.95	
7.0	18000	253.41	7930	2.1	JRTFA99DN90L4
7.9	15900	223.88	8030	2.4	JRTFAF99DN90L4
9.3	13500	189.92	8140	2.8	JRTF99DN90L4
10	12400	174.87	8180	3.0	JRTFF99DN90L4
6.5	19300	270.68	5810	1.40	
6.9	18200	255.37	5900	1.45	
7.7	16300	228.93	6040	1.65	
9.0	14000	197.20	6200	1.90	JRTFA89DN90L4
9.8	12800	179.97	6280	2.1	JRTFAF89DN90L4
11	11300	159.61	6370	2.3	JRTF89DN90L4
13	9560	134.16	6470	2.8	JRTFF89DN90L4
14	8790	123.29	6510	3.0	
16	7800	109.49	6560	3.4	
18	6980	97.89	6610	3.8	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H0} [lbf]	Service factor f_s	Model
2.0HP					
11	11800	166.47	3750	1.10	JRTFA79DN90L4 JRTFAF79DN90L4 JRTF79DN90L4 JRTFF79DN90L4
12	10100	142.27	3980	1.30	
14	9300	130.42	4070	1.45	
15	8160	114.45	4180	1.65	
16	7730	108.46	4210	1.70	
19	6760	94.93	4290	1.95	
21	6090	85.52	4330	2.2	
24	5350	75.02	4380	2.5	
24	5160	72.50	4390	2.6	
27	4730	66.46	4410	2.8	
30	4150	58.32	4440	3.2	
32	3940	55.27	4450	3.4	
37	3440	48.37	4460	3.9	
41	3100	43.58	4480	4.3	
46	2720	38.23	4490	4.9	
48	2600	36.58	4490	3.8	JRTFA79DN90L4 JRTFAF79DN90L4
56	2240	31.51	4490	5.4	JRTF79DN90L4 JRTFF79DN90L4
18	6840	95.94	2410	1.05	JRTFA69DN90L4 JRTFAF69DN90L4 JRTF69DN90L4 JRTFF69DN90L4
20	6460	90.59	2480	1.10	
22	5680	79.76	2620	1.30	
26	4820	67.65	2740	1.50	
29	4350	61.07	2800	1.65	
33	3830	53.73	2850	1.90	
35	3610	50.74	2870	2.0	
41	3080	43.20	2920	2.4	
45	2790	39.26	2920	2.5	JRTFA69DN90L4 JRTFAF69DN90L4 JRTF69DN90L4 JRTFF69DN90L4
52	2420	34.01	2920	2.7	
49	2580	36.30	2920	2.8	
55	2280	32.08	2920	3.2	
64	1950	27.41	2920	3.7	JRTFA69DN90L4 JRTFAF69DN90L4 JRTF69DN90L4 JRTFF69DN90L4
70	1790	25.13	2920	4.0	
24	5200	72.98	2090	1.00	JRTFA59DN90L4 JRTFAF59DN90L4 JRTF59DN90L4 JRTFF59DN90L4
26	4860	68.22	2150	1.10	
30	4200	58.97	2270	1.25	
35	3570	50.10	2210	1.50	
40	3190	44.73	2160	1.65	
46	2720	38.21	2100	1.95	
49	2550	35.79	2070	2.1	
59	2140	30.15	1990	2.4	
59	2130	29.94	1990	2.3	JRTFA59DN90L4 JRTFAF59DN90L4 JRTF59DN90L4 JRTFF59DN90L4
62	2020	28.45	1970	2.3	
71	1770	24.96	1910	2.9	
37	3420	48.00	1370	1.05	JRTFA49DN90L4 JRTFAF49DN90L4 JRTF49DN90L4 JRTFF49DN90L4
41	3050	42.86	1480	1.15	
48	2610	36.61	1460	1.35	
52	2440	34.29	1450	1.45	
61	2050	28.88	1410	1.70	
57	2200	30.86	1430	1.60	JRTFA49DN90L4 JRTFAF49DN90L4 JRTF49DN90L4 JRTFF49DN90L4
60	2090	29.32	1420	1.70	
69	1830	25.72	1390	1.95	
81	1550	21.82	1340	2.3	
90	1400	19.70	1320	2.5	
102	1230	17.33	1280	2.9	
108	1160	16.36	1260	3.0	
127	990	13.93	1220	3.6	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{s0} ¹⁾ [lbf]	Service factor f_s	Model
2.0HP					JRTFA39DN90L4 JRTFAF39DN90L4 JRTF39DN90L4 JRTFF39DN90L4
74	1700	23.88	770	1.05	
86	1460	1460	765	1.20	
92	1370	1370	760	1.30	
104	1210	1210	750	1.45	
112	1120	1120	745	1.55	
123	1020	1020	735	1.75	
137	910	910	725	1.95	
159	790	790	705	2.1	JRTFA39DN90L4
170	740	740	700	2.2	JRTFAF39DN90L4
197	635	635	680	2.4	JRTF39DN90L4
220	570	570	660	2.6	JRTFF39DN90L4
238	530	530	640	2.4	
262	480	480	625	2.6	
292	430	430	610	2.8	
339	370	370	590	3.0	
361	345	345	580	3.0	
391	320	320	580	4.8	
437	285	285	560	5.2	
471	265	265	545	4.8	
520	240	240	530	5.1	JRTFA39DN90S2
579	215	215	515	5.5	JRTFAF39DN90S2
673	187	187	495	5.9	JRTF39DN90S2
715	176	176	485	6.0	JRTFF39DN90S2
831	152	152	465	6.4	
930	135	135	450	6.9	
3.0HP					
1.2	131400	1441	24400	1.20	
1.4	127100	1308	24600	1.25	
1.5	112900	1169	25300	1.40	
1.9	90900	953	26300	1.5	
2.1	79800	845	26600	2.0	JRTFA159R99DN100S4
2.3	71500	764	26900	2.2	JRTFAF159R99DN100S4
2.6	63600	680	27000	2.5	JRTF159R99DN100S4
3.1	53100	576	27000	3.0	JRTFF159R99DN100S4
4.0	42100	446	27000	3.8	
5.8	28500	302	27000	5.6	
6.5	25600	273	27000	6.2	
7.6	21300	232	27000	7.5	
9.0	18100	197	27000	8.8	
3.6	45900	483	20200	2.3	JRTFA129R89DN100S4
4.2	40200	418	20200	2.6	JRTFAF129R89DN100S4
4.7	35800	374	20200	3.0	JRTF129R89DN100S4
					JRTFF129R89DN100S4
1.6	106500	1077	20200	1.00	
1.9	91500	930	20200	1.15	
2.1	80500	820	20200	1.30	
2.4	71100	727	20200	1.50	JRTFA129R79DN100S4
2.7	64000	648	20200	1.65	JRTFAF129R79DN100S4
3.2	54200	549	20200	1.95	JRTF129R79DN100S4
3.6	48800	495	20200	2.2	JRTFF129R79DN100S4
4.1	42200	428	20200	2.5	
4.7	36900	376	20200	2.9	
					JRTFA109R79DN100S4
2.5	68300	696	11200	1.00	JRTFAF109R79DN100S4
					JRTF109R79DN100S4
					JRTFF109R79DN100S4
2.8	63300	640	11500	1.05	JRTFA109R79DN100S4
3.1	54800	560	12000	1.25	JRTFAF109R79DN100S4
					JRTF109R79DN100S4
3.6	47800	489	12400	1.40	JRTFF109R79DN100S4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
3.0HP					
4.0	43100	436	12700	1.60	
4.8	36500	370	13100	1.85	JRTFA109R79DN100S4
5.3	32800	333	13300	2.1	JRTFAF109R79DN100S4
6.0	28700	291	13500	2.4	JRTF109R79DN100S4
6.9	25100	255	13600	2.7	JRTFF109R79DN100S4
2.7	64900	644	11400	1.05	
3.0	59400	591	11700	1.15	
3.4	52000	518	12200	1.35	JRTFA109R79DN100S4
3.6	49200	491	12400	1.40	JRTFAF109R79DN100S4
4.1	43000	430	12700	1.60	JRTF109R79DN100S4
4.5	38700	387	13000	1.80	JRTFF109R79DN100S4
5.2	33800	340	13200	2.0	
5.9	29700	300	13400	2.3	
6.6	26300	266	13600	2.6	
4.8	35900	363	6870	1.05	JRTFA99R59DN100S4
6.2	28300	285	7380	1.35	JRTFAF99R59DN100S4
7.2	24300	245	7610	1.55	JRTF99R59DN100S4
8.5	20600	208	7810	1.85	JRTFF99R59DN100S4
9.0	19200	195	7880	1.95	
4.9	36200	361	6850	1.05	JRTFA99R59DN100S4
5.6	31700	317	7160	1.20	JRTFAF99R59DN100S4
6.4	27800	275	7410	1.35	JRTF99R59DN100S4
7.3	24400	242	7610	1.55	JRTFF99R59DN100S4
7.1	24600	249	5340	1.10	JRTFA89R59DN100S4
					JRTFAF89R59DN100S4
					JRTF89R59DN100S4
					JRTFF89R59DN100S4
7.3	24200	240	5380	1.10	JRTFA89R59DN100S4
8.3	21200	211	5650	1.25	JRTFAF89R59DN100S4
9.1	19500	193	5800	1.35	JRTF89R59DN100S4
					JRTFF89R59DN100S4
4.6	40700	254.40	12800	1.65	JRTFA109DN112M6
5.5	34500	215.37	13200	1.95	JRTFAF109DN112M6
5.9	31900	199.31	13300	2.1	JRTF109DN112M6
6.6	28600	178.64	13500	2.4	JRTFF109DN112M6
6.9	27200	254.40	13500	2.5	JRTFA109DN100S4
8.2	23100	215.37	13700	2.9	JRTFAF109DN100S4
8.8	21300	199.31	13800	3.2	JRTF109DN100S4
9.9	19100	178.64	13900	3.5	JRTFF109DN100S4
5.3	35800	223.88	6880	1.05	JRTFA99DN112M6
6.2	30400	189.92	7250	1.25	JRTFAF99DN112M6
6.7	28000	174.87	7400	1.35	JRTF99DN112M6
7.5	25000	156.30	7570	1.50	JRTFF99DN112M6
6.4	29600	276.77	7290	1.30	
7.0	27100	251.41	7450	1.40	
7.9	24000	223.88	7630	1.60	JRTFA99DN100S4
9.3	20300	189.92	7820	1.85	JRTFAF99DN100S4
10	18700	174.87	7900	2.0	JRTF99DN100S4
11	16700	156.30	8000	2.3	JRTFF99DN100S4
13	15000	140.71	8070	2.5	
14	13600	127.42	8130	2.8	
7.7	24500	228.93	5350	1.10	
8.9	21100	197.20	5660	1.25	
9.8	19300	179.97	5810	1.35	JRTFA89DN100S4
11	17100	159.81	5980	1.55	JRTFAF89DN100S4
					JRTF89DN100S4
13	14300	134.16	6180	1.85	JRTFF89DN100S4
14	13200	123.28	6250	2.0	
16	11700	109.49	6350	2.3	
18	10500	97.89	6270	2.5	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
3.0HP					
20	9440	88.01	6120	2.8	
23	8190	76.39	5920	3.2	JRTFA89DN100S4
26	7330	68.40	5760	3.6	JRTFAF89DN100S4
31	6080	56.75	5490	4.4	JRTF89DN100S4
35	5400	50.36	5320	4.8	JRTFF89DN100S4
39	4850	45.28	5170	5.1	
15	12200	114.45	3690	1.10	
16	11600	108.46	3790	1.15	
19	10100	94.93	3970	1.30	
21	9170	85.52	4080	1.45	
23	8040	75.02	4190	1.65	JRTFA79DN100S4
24	7770	72.50	4210	1.70	JRTFAF79DN100S4
27	7120	66.46	4260	1.85	JRTF79DN100S4
30	6250	58.32	4320	2.1	JRTFF79DN100S4
32	5920	55.27	4350	2.2	
36	5180	48.37	4390	2.6	
40	4670	43.58	4410	2.8	
48	3920	36.58	4450	2.5	JRTFA79DN100S4
56	3370	31.51	4470	3.6	JRTFAF79DN100S4
61	3080	28.75	4480	4.1	JRTF79DN100S4
69	2730	25.50	4490	4.8	JRTFF79DN100S4
26	7250	67.65	2320	1.00	
29	6550	61.07	2460	1.10	
33	5760	53.73	2600	1.25	JRTFA69DN100S4
35	5440	50.74	2650	1.35	JRTFAF69DN100S4
41	4630	43.20	2760	1.55	JRTF69DN100S4
45	4210	39.26	2810	1.65	JRTFF69DN100S4
52	3640	34.01	2870	1.80	
55	3440	32.08	2890	2.1	
64	2940	27.41	2920	2.5	JRTFA69DN100S4
70	2690	25.13	2920	2.7	JRTFAF69DN100S4
80	2360	22.05	2920	3.1	JRTF69DN100S4
84	2240	20.90	2920	3.2	JRTFF69DN100S4
96	1960	18.29	2920	3.7	
39	4790	44.73	1920	1.10	JRTFA59DN100S4
46	4090	38.21	1890	1.30	JRTFAF59DN100S4
					JRTF59DN100S4
					JRTFF59DN100S4
49	3830	35.79	1880	1.40	JRTFA59DN100S4
58	3230	30.15	1830	1.60	JRTFAF59DN100S4
					JRTF59DN100S4
					JRTFF59DN100S4
71	2670	24.96	1780	1.90	
83	2270	21.17	1720	2.3	JRTFA59DN100S4
92	2050	19.11	1680	2.6	JRTFAF59DN100S4
105	1800	16.81	1640	2.9	JRTF59DN100S4
111	1700	15.88	1620	3.1	JRTFF59DN100S4
61	3090	28.88	1240	1.15	JRTFA49DN100S4
					JRTFAF49DN100S4
					JRTF49DN100S4
					JRTFF49DN100S4
68	2750	25.72	1230	1.30	
81	2340	21.82	1210	1.50	
89	2110	19.70	1190	1.65	
102	1850	17.33	1170	1.90	JRTFA49DN100S4
108	1750	16.36	1160	2.0	JRTFAF49DN100S4
126	1490	13.93	1130	2.4	JRTF49DN100S4
139	1350	12.66	1110	2.6	JRTFF49DN100S4
161	1170	10.97	1080	3.0	
197	960	8.96	1010	3.0	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H0.1}$ [lbf]	Service factor f_s	Model
3.0HP					
123	1530	14.33	630	1.15	
137	1380	12.87	625	1.30	
159	1180	11.08	625	1.40	
169	1110	10.42	620	1.45	
196	960	8.97	610	1.60	JRTFA39DN100S4
220	850	8.01	600	1.75	JRTFAF39DN100S4
261	720	6.74	570	1.70	JRTF39DN100S4
291	645	6.05	560	1.85	JRTFF39DN100S4
338	555	5.21	550	2.0	
360	525	4.90	540	2.0	
418	450	4.22	525	2.1	
468	400	3.77	515	2.3	
474	395	7.44	515	3.2	
523	360	6.74	500	3.4	JRTFA39DN90L2
583	320	6.05	490	3.7	JRTFAF39DN90L2
676	275	5.21	475	4.0	JRTF39DN90L2
719	260	4.90	465	4.0	JRTF39DN90L2
836	225	4.22	450	4.3	JRTFF39DN90L2
935	200	3.77	435	4.6	
4.0HP					
1.5	152200	1169	23000	1.05	
1.9	122900	953	24800	1.30	
2.1	108200	845	25600	1.45	
2.3	97200	764	26000	1.65	JRTFA159R99DN100L4
2.6	86500	680	26400	1.85	JRTFAF159R99DN100L4
3.1	72500	576	26900	2.2	JRTF159R99DN100L4
4.0	57100	446	27000	2.8	JRTFF159R99DN100L4
5.8	38700	302	27000	4.1	
6.5	34700	273	27000	4.6	
7.6	29100	232	27000	5.5	
9.0	24700	197	27000	6.4	
2.4	95600	727	20200	1.10	JRTFA129R79DN100L4
2.7	85800	648	20200	1.25	JRTFAF129R79DN100L4
3.2	72700	549	20200	1.45	JRTF129R79DN100L4
3.6	65400	495	20200	1.60	JRTFF129R79DN100L4
4.0	57700	436	11900	1.20	JRTFA109R79DN100L4
4.8	48900	370	12400	1.40	JRTFAF109R79DN100L4
5.3	44000	333	12700	1.55	JRTF109R79DN100L4
6.1	38500	291	13000	1.75	JRTFF109R79DN100L4
4.6	54400	254.40	12100	1.25	JRTFA109DN132S6
5.5	46000	215.37	12500	1.45	JRTFAF109DN132S6
5.9	42600	199.31	12700	1.60	JRTF109DN132S6
6.6	38200	178.64	13000	1.80	JRTFF109DN132S6
6.9	36300	254.40	13100	1.85	
8.2	30700	215.37	13400	2.2	JRTFA109DN100L4
8.8	28400	199.31	13500	2.4	JRTFAF109DN100L4
9.9	25500	178.64	13600	2.7	JRTF109DN100L4
11	23000	161.28	13700	3.0	JRTFF109DN100L4
7.9	32000	223.88	7150	1.20	
9.3	27100	189.92	7450	1.40	
10	24900	174.87	7570	1.50	
11	22300	156.30	7720	1.70	JRTFA99DN100L4
13	20100	140.71	7840	1.90	JRTFAF99DN100L4
14	18200	127.42	7930	2.1	JRTF99DN100L4
16	16100	112.99	8020	2.4	JRTFF99DN100L4
17	14800	102.16	8090	2.6	
20	12800	89.85	8170	3.0	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H0.1}$ [lbf]	Service factor f_s	Model
3.0HP					
13	19100	134.16	5820	1.40	
14	17600	123.29	5950	1.50	
16	15600	109.49	6050	1.70	JRTFA89DN100L4
18	13900	97.89	5930	1.90	JRTFAF89DN100L4
20	12500	88.01	5810	2.1	JRTF89DN100L4
23	10900	76.39	5650	2.4	JRTFF89DN100L4
26	9770	68.40	5520	2.7	
31	8110	56.75	5290	3.3	
35	7190	50.36	5150	3.6	
21	12200	85.52	3700	1.10	
24	10700	75.02	3910	1.25	
27	9500	66.46	4050	1.40	JRTFA79DN100L4
30	8330	58.32	4160	1.60	JRTFAF79DN100L4
32	7900	55.27	4200	1.70	JRTF79DN100L4
36	6910	48.37	4280	1.90	JRTFF79DN100L4
40	6220	43.58	4330	2.1	
46	5460	38.23	4370	2.4	
48	5220	36.58	4390	1.90	
56	4500	31.51	4420	2.7	JRTFA79DN100L4
61	4110	28.75	4440	3.1	JRTFAF79DN100L4
69	3640	25.50	4460	3.6	JRTF79DN100L4
82	3060	21.43	4480	4.3	JRTFF79DN100L4
41	6170	43.20	2530	1.15	JRTFA69DN100L4
45	5610	39.26	2630	1.25	JRTFAF69DN100L4
52	4860	34.01	2730	1.35	JRTF69DN100L4
55	4580	32.08	2770	1.60	
64	3910	27.41	2840	1.85	JRTFA69DN100L4
70	3590	25.13	2870	2.0	JRTFAF69DN100L4
80	3150	22.05	2910	2.3	JRTF69DN100L4
84	2980	20.90	2920	2.4	JRTFF69DN100L4
96	2610	18.29	2920	2.8	
107	2350	16.48	2920	3.1	
122	2060	14.46	2920	3.5	
71	3560	24.96	1640	1.45	
83	3020	21.17	1610	1.75	
92	2730	19.11	1580	1.95	JRTFA59DN100L4
105	2400	16.81	1550	2.2	JRTFAF59DN100L4
111	2260	15.88	1530	2.3	JRTF59DN100L4
130	1930	13.52	1480	2.8	JRTFF59DN100L4
144	1750	12.29	1460	3.0	
166	1520	10.64	1410	3.5	
90	2810	19.70	1070	1.25	
102	2470	17.33	1070	1.45	JRTFA49DN100L4
108	2330	16.36	1060	1.50	JRTFAF49DN100L4
127	1990	13.93	1040	1.80	JRTF49DN100L4
139	1810	12.66	1030	1.95	JRTFF49DN100L4
161	1560	10.97	1010	2.3	
197	1280	8.96	950	2.3	
159	1580	11.08	540	1.05	
169	1490	10.42	540	1.10	
197	1280	8.97	545	1.20	
220	1140	8.01	540	1.30	JRTFA39DN100L4
262	960	6.74	515	1.30	JRTFAF39DN100L4
291	860	6.05	510	1.40	JRTF39DN100L4
338	745	5.21	505	1.50	JRTFF39DN100L4
360	700	4.90	500	1.50	
418	600	4.22	490	1.60	
468	535	3.77	485	1.70	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} ¹⁾ [lbf]	Service factor f_s	Model
3.0HP					
317	790	11.08	525	2.1	
337	745	10.42	520	2.2	
392	640	8.97	510	2.4	
439	570	8.01	500	2.6	JRTFA39DN100L2
522	480	6.74	475	2.6	JRTFAF39DN100L2
581	430	6.05	465	2.8	JRTF39DN100L2
675	370	5.21	450	3.0	JRTFF39DN100L2
718	350	4.90	445	3.0	
834	300	4.22	430	3.2	
933	270	3.77	420	3.4	
5.0HP					
1.9	155400	953	22800	1.00	
2.1	137000	845	24000	1.15	
2.3	123300	764	24800	1.30	
2.6	109700	680	25500	1.45	JRTFA159R99DN100L4
3.0	92100	576	26200	1.75	JRTFAF159R99DN100L4
3.9	72400	446	26900	2.2	JRTF159R99DN100L4
5.8	49000	302	27000	3.2	JRTFF159R99DN100L4
6.4	44100	273	27000	3.6	
7.6	37000	232	27000	4.3	
8.9	31400	197	27000	5.1	
3.6	78600	483	20200	1.35	
4.2	68500	418	20200	1.55	JRTFA129R89DN100L4
4.7	61100	374	20200	1.75	JRTFAF129R89DN100L4
5.6	51000	312	20200	2.1	JRTF129R89DN100L4
6.0	47700	293	20200	2.2	JRTFF129R89DN100L4
6.8	42000	259	20200	2.5	
7.9	36300	223	20200	2.9	
2.7	107900	648	20200	1.00	JRTFA129R79DN100L4
3.2	91400	549	20200	1.15	JRTFAF129R79DN100L4
3.5	82300	495	20200	1.30	JRTF129R79DN100L4
4.1	71200	428	20200	1.50	JRTFF129R79DN100L4
4.7	62400	376	20200	1.70	
4.8	61500	370	11600	1.10	
5.3	55400	333	12000	1.25	JRTFA109R79DN100L4
6.0	48400	291	12400	1.40	JRTFAF109R79DN100L4
6.9	42400	255	12800	1.60	JRTF109R79DN100L4
7.8	37300	225	13000	1.80	JRTFF109R79DN100L4
9.2	31600	190	13300	2.1	
4.5	65200	387	11400	1.05	JRTFA109R79DN100L4
5.2	57100	340	11900	1.20	JRTFAF109R79DN100L4
5.9	50300	300	12300	1.40	JRTF109R79DN100L4
6.6	44500	266	12600	1.55	JRTFF109R79DN100L4
8.4	34700	208	6960	1.10	JRTFA99R59DN100L4
9.0	32500	195	7110	1.15	JRTFAF99R59DN100L4
6.9	45500	254.40	12600	1.50	JRTF99R59DN100L4
8.2	38500	215.37	13000	1.75	
8.8	35700	199.31	13100	1.90	JRTFA109DN100L4
9.8	32000	178.64	13300	2.1	JRTFAF109DN100L4
11	28900	161.28	13500	2.4	JRTF109DN100L4
12	26200	146.49	13600	2.6	JRTFF109DN100L4
14	23200	129.97	13700	2.9	
9.3	34000	189.92	7010	1.10	JRTFA99DN100L4
10	31300	174.87	7190	1.20	JRTFAF99DN100L4
11	28000	156.30	7400	1.35	JRTF99DN100L4
12	25200	140.71	7560	1.50	JRTFF99DN100L4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} ¹⁾ [lbf]	Service factor f_s	Model
5.0HP					
14	22800	127.42	7690	1.65	
16	20200	112.99	7830	1.90	
17	18300	102.16	7920	2.1	JRTFA99DN100L4
18	17400	97.58	7960	2.2	JRTFAF99DN100L4
20	16100	89.85	8030	2.4	JRTF99DN100L4
20	15500	86.59	8050	2.5	JRTFF99DN100L4
22	14300	80.31	8100	2.6	
24	12900	72.29	8160	2.9	
13	24000	134.16	5400	1.10	
14	22000	123.29	5580	1.20	
16	19600	109.49	5660	1.35	
18	17500	97.89	5590	1.50	JRTFA89DN100L4
20	15700	88.01	5510	1.70	JRTFAF89DN100L4
23	13600	76.39	5390	1.95	JRTF89DN100L4
26	12200	68.40	5280	2.2	JRTFF89DN100L4
31	10100	56.75	5100	2.6	
35	9020	50.36	4970	2.9	
23	13400	75.05	3500	1.00	
24	12900	72.50	3580	1.00	
26	11900	66.46	3750	1.10	
30	10400	58.32	3940	1.25	
32	9900	55.27	4000	1.35	JRTFA79DN100L4
36	8660	48.37	4130	1.55	JRTFAF79DN100L4
40	7800	43.58	4210	1.70	JRTF79DN100L4
46	6850	38.23	4280	1.95	JRTFF79DN100L4
52	6040	33.74	4340	2.2	
59	5350	29.91	4380	2.5	
69	4570	25.54	4420	2.8	
48	6550	36.58	4300	1.50	JRTFA79DN100L4
56	5640	31.51	4360	2.2	JRTFAF79DN100L4
61	5150	28.75	4390	2.5	JRTF79DN100L4
69	4560	25.50	4420	2.9	JRTFF79DN100L4
82	3840	21.43	4450	3.5	
45	7030	39.26	2370	1.00	JRTFA69DN100L4
52	6090	34.01	2550	1.05	JRTFAF69DN100L4
55	5740	32.08	2610	1.25	JRTF69DN100L4
64	4910	27.41	2730	1.50	JRTFF69DN100L4
70	4500	25.13	2780	1.60	
80	3950	22.05	2840	1.85	JRTFA59DN100L4
84	3740	20.90	2860	1.95	JRTFAF59DN100L4
96	3270	18.29	2900	2.2	JRTF59DN100L4
107	2950	16.48	2920	2.5	JRTFF59DN100L4
122	2590	14.46	2920	2.8	
194	1620	9.08	2790	2.9	
70	4470	24.96	1510	1.15	
83	3790	21.17	1490	1.40	
92	3420	19.11	1480	1.55	
105	3010	16.81	1460	1.75	
111	2840	15.88	1450	1.85	JRTFA59DN100L4
130	2420	13.52	1410	2.2	JRTFAF59DN100L4
143	2200	12.29	1390	2.4	JRTF59DN100L4
165	1900	10.64	1350	2.8	JRTFF59DN100L4
189	1660	9.31	1290	2.2	
215	1460	8.19	1260	2.5	
227	1380	7.73	1240	2.7	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
5.0HP					
89	3520	19.70	950	1.00	
101	3100	17.33	960	1.15	
107	2930	16.36	960	1.20	
126	2490	13.93	960	1.40	
139	2260	12.66	950	1.55	JRTFA49DN100L4
160	1960	10.97	940	1.80	JRTFAF49DN100L4
196	1600	8.96	890	1.80	JRTF49DN100L4
223	1410	7.88	80	2.4	JRTFF49DN100L4
236	1330	7.44	870	2.5	
278	1130	6.34	850	2.7	
305	1030	5.76	840	2.9	
219	1430	8.01	480	1.05	
261	1200	6.74	460	1.05	JRTFA39DN100L4
291	1080	6.05	460	1.10	JRTFAF39DN100L4
337	930	5.21	460	1.20	JRTF39DN100L4
359	870	4.90	460	1.20	JRTFF39DN100L4
417	755	4.22	455	1.30	
467	675	3.77	455	1.40	
438	715	8.01	470	2.1	
521	605	6.74	445	2.0	
580	540	6.05	440	2.2	JRTFA39DN100L2
673	465	5.21	430	2.4	JRTFAF39DN100L2
716	440	4.90	425	2.4	JRTF39DN100L2
832	375	4.22	415	2.6	JRTFF39DN100L2
931	335	3.77	405	2.8	
5.4HP					
2.1	147400	845	23400	1.10	
2.3	132700	764	24300	1.20	
2.6	118000	680	25100	1.35	JRTFA159R99DN112M4
3.1	99300	576	25900	1.60	JRTFAF159R99DN112M4
4.0	77900	446	26700	2.0	JRTF159R99DN112M4
5.8	52700	302	27000	3.0	JRTFF159R99DN112M4
6.5	47400	273	27000	3.4	
7.6	39900	232	27000	4.0	
9.0	33800	197	20200	4.7	
3.7	84600	483	20200	1.25	
4.2	73600	418	20200	1.45	
4.7	65700	374	20200	1.60	JRTFA129R89DN112M4
5.7	54800	312	20200	1.95	JRTFAF129R89DN112M4
6.0	51300	293	20200	2.1	JRTF129R89DN112M4
6.8	45200	259	20200	2.3	JRTFF129R89DN112M4
7.9	39100	223	20200	2.7	
3.2	98200	549	20200	1.10	JRTFA129R79DN112M4
3.6	88400	495	20200	1.20	JRTFAF129R79DN112M4
4.1	76500	428	20200	1.40	JRTF129R79DN112M4
4.7	67000	376	20200	1.60	JRTFF129R79DN112M4
4.8	66100	370	11300	1.05	
5.3	59500	333	11700	1.15	JRTFA109R79DN112M4
6.1	52000	291	12200	1.30	JRTFAF109R79DN112M4
6.9	45500	255	12600	1.50	JRTF109R79DN112M4
7.8	40100	225	12900	1.70	JRTFF109R79DN112M4
9.3	33900	190	13200	2.0	
5.2	61400	340	11600	1.15	JRTFA109R79DN112M4
5.9	54100	300	12100	1.30	JRTFAF109R79DN112M4
6.7	47800	266	12400	1.45	JRTF109R79DN112M4
8.5	37300	208	6770	1.00	JRTFA99R59DN112M4
9.1	34900	195	6940	1.10	JRTFAF99R59DN112M4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
5.4HP					
7.0	48900	254.40	12400	1.40	
8.2	41400	215.37	12800	1.65	
8.9	38300	199.31	13000	1.75	
9.9	34300	178.64	13200	2.0	JRTFA109DN112M4
11	31000	161.28	13400	2.2	JRTFAF109DN112M4
12	28100	146.49	13500	2.4	JRTF109DN112M4
14	24900	129.97	13600	2.7	JRTFF109DN112M4
15	22600	117.94	13800	3.0	
17	19400	101.38	13900	3.5	
9.3	36500	189.92	6830	1.05	
10	33600	174.87	7040	1.15	
11	30000	156.30	7270	1.25	
13	27000	140.71	7460	1.40	
14	24500	127.42	7600	1.55	
16	21700	112.99	7750	1.75	JRTFA99DN112M4
17	19600	102.16	7860	1.95	JRTFAF99DN112M4
18	18700	97.58	7900	2.0	JRTF99DN112M4
20	17200	89.85	7970	2.2	JRTFF99DN112M4
20	16600	86.59	8000	2.3	
22	15400	80.31	8060	2.5	
24	13900	72.29	8120	2.7	
27	12500	65.47	8030	3.0	
13	25800	134.16	5100	1.05	
14	23700	123.29	5430	1.10	
16	21000	109.49	5510	1.25	
18	18800	97.89	5450	1.40	JRTFA89DN112M4
20	16900	88.01	5380	1.55	JRTFAF89DN112M4
23	14600	76.39	5270	1.80	JRTF89DN112M4
26	13100	68.40	5180	2.0	JRTFF89DN112M4
31	10900	56.75	5010	2.4	
35	9680	50.36	4900	2.7	
39	8700	45.28	4790	2.9	
27	12700	66.46	3610	1.05	
30	11200	58.32	3840	1.20	
32	10600	55.27	3920	1.25	
37	9300	48.37	4070	1.45	JRTFA79DN112M4
41	8380	43.58	4160	1.60	JRTFAF79DN112M4
46	7350	38.23	4250	1.80	JRTF79DN112M4
52	6480	33.74	4310	2.0	JRTFF79DN112M4
59	5750	29.91	4360	2.3	
69	4910	25.54	4400	2.6	
56	6050	31.51	4340	2.0	
62	5530	28.75	4370	2.3	JRTFA79DN112M4
69	4900	25.50	4400	2.7	JRTFAF79DN112M4
83	4120	21.43	4440	3.2	JRTF79DN112M4
90	3780	19.70	4450	3.5	JRTFF79DN112M4
52	6450	34.01	2470	1.00	JRTFA69DN112M4
					JRTFAF69DN112M4
					JRTF69DN112M4
					JRTFF69DN112M4
65	5270	27.41	2680	1.40	
70	4830	25.13	2740	1.50	
80	4240	22.05	2810	1.70	
85	4010	20.90	2830	1.80	JRTFA69DN112M4
97	3510	18.29	2880	2.1	JRTFAF69DN112M4
107	3160	16.48	2910	2.3	JRTF69DN112M4
122	2780	14.46	2920	2.6	JRTFF69DN112M4
139	2450	12.76	2920	3.0	
156	2170	11.31	2920	3.3	

Output speed n_g [r/min]	Output torque T_g [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
5.4HP					
183	1850	9.66	2850	3.9	
195	1740	9.08	2770	2.7	
206	1650	8.60	2730	3.0	
235	1440	7.53	2640	3.7	JRTFA69DN112M4
261	1300	6.78	2580	4.2	JRTFAF69DN112M4
297	1140	5.95	2490	4.7	JRTF69DN112M4
337	1000	5.25	2420	5.2	JRTFF69DN112M4
380	890	4.66	2340	5.5	
445	760	3.97	2250	5.8	
84	4070	21.17	1450	1.30	
93	3670	19.11	1440	1.45	
105	3230	16.81	1420	1.65	
111	3050	15.88	1410	1.75	
131	2590	13.52	1380	2.0	
144	2360	12.29	1360	2.2	JRTFA59DN112M4
166	2040	10.64	1330	2.6	JRTFAF59DN112M4
190	1790	9.31	1270	2.1	JRTF59DN112M4
216	1570	8.19	1240	2.4	JRTFF59DN112M4
229	1480	7.73	1220	2.5	
269	1260	6.58	1180	2.9	
296	1150	5.98	1160	3.2	
341	990	5.18	1120	3.7	
382	890	9.31	1090	4.2	
434	780	8.19	1060	4.7	JRTFA59DN112M2
459	740	7.73	1040	5.0	JRTFAF59DN112M2
539	630	6.58	1000	5.9	JRTF59DN112M2
594	570	5.98	980	6.5	JRTFF59DN112M2
685	495	5.18	940	7.4	
7.5HP					
3.1	139900	576	23900	1.15	
3.5	121500	503	24900	1.30	
4.0	109400	446	25500	1.45	
5.0	85000	353	26500	1.85	JRTFA159R99DN132S4
5.8	74000	302	26800	2.1	JRTFAF159R99DN132S4
6.5	66700	273	27000	2.4	JRTF159R99DN132S4
7.6	56200	232	27000	2.8	JRTFF159R99DN132S4
8.7	48800	202	27000	3.3	
9.0	47700	197	20700	3.3	
4.2	103100	418	20200	1.05	
4.7	92100	374	20200	1.15	
5.7	76800	312	20200	1.40	JRTFA129R89DN132S4
6.0	72000	293	20200	1.45	JRTFAF129R89DN132S4
6.8	63500	259	20200	1.65	JRTF129R89DN132S4
7.9	54800	223	20200	1.95	JRTFF129R89DN132S4
8.9	48500	198	20200	2.2	
11	40700	166	20200	2.6	
4.1	106700	428	20200	1.00	JRTFA129R79DN132S4
4.7	93500	376	20200	1.15	JRTFAF129R79DN132S4
6.9	63600	256	11500	1.05	JRTFA109R79DN132S4
7.8	56000	225	12000	1.20	JRTFAF109R79DN132S4
9.3	47400	190	12500	1.45	JRTF109R79DN132S4
6.7	66800	266	11300	1.05	JRTFF109R79DN132S4
10	45600	170.83	20200	2.3	JRTFA129DN132S4
12	4100	153.67	20200	2.6	JRTFAF129DN132S4

Output speed n_g [r/min]	Output torque T_g [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
7.5HP					
7.0	67900	254.40	11200	1.00	
8.2	57500	215.37	11900	1.20	
8.9	53200	199.31	12100	1.30	
9.9	47700	178.64	12500	1.40	JRTFA109DN132S4
11	43100	161.28	12700	1.60	JRTFAF109DN132S4
12	39100	146.49	12900	1.75	JRTF109DN132S4
14	34700	129.97	13200	1.95	JRTFF109DN132S4
15	31500	117.94	13300	2.2	
17	27000	101.38	13500	2.5	
19	24700	92.47	13700	2.8	
20	23600	88.49	13700	2.9	
21	22400	83.99	13800	3.0	
13	37600	140.71	6750	1.00	
14	34000	127.42	7010	1.10	
16	30200	112.99	7260	1.25	
17	27300	102.16	7440	1.40	
18	26000	97.58	7510	1.45	JRTFA99DN132S4
20	24000	89.85	7630	1.60	JRTFAF99DN132S4
20	23100	86.59	7680	1.65	JRTF99DN132S4
22	21400	80.31	7770	1.75	JRTFF99DN132S4
23	20200	75.63	7810	1.90	
24	19300	72.29	7740	1.95	
27	17400	65.47	7600	2.2	
30	15500	58.06	7420	2.5	
34	14000	52.49	7260	2.7	
41	11500	43.28	6950	2.4	JRTFA99DN132S4
48	9790	36.64	6670	2.8	JRTFAF99DN132S4
18	26100	97.89	4730	1.00	JRTF99DN132S4
20	23500	88.01	4730	1.15	
23	20400	76.39	4710	1.30	
26	18200	68.40	4680	1.45	JRTFA89DN132S4
31	15100	56.75	4600	1.75	JRTFAF89DN132S4
35	13400	50.36	4530	1.95	JRTF89DN132S4
39	12100	45.28	4460	2.1	JRTFF89DN132S4
45	10500	39.30	4350	2.3	
50	9400	35.19	4270	2.5	
61	7800	29.20	4110	2.9	
52	9060	33.92	4240	2.5	JRTFA89DN132S4
61	7690	28.76	4100	2.8	JRTFAF89DN132S4
67	7080	26.50	4020	3.0	JRTF89DN132S4
75	6320	23.68	3930	4.2	JRTFF89DN132S4
37	12900	48.37	3590	1.05	
41	11600	43.58	3780	1.15	JRTFA79DN132S4
46	10200	38.23	3970	1.30	JRTFAF79DN132S4
52	9010	33.74	4100	1.45	JRTF79DN132S4
59	7990	29.91	4190	1.65	JRTFF79DN132S4
69	6820	25.54	4280	1.90	
69	6810	25.50	4290	1.95	
82	5720	21.43	4360	2.3	
90	5260	19.70	4380	2.5	JRTFA79DN132S4
101	4670	17.49	4330	2.8	JRTFAF79DN132S4
113	4180	15.64	4220	3.2	JRTF79DN132S4
126	3750	14.06	4110	3.5	JRTFF79DN132S4
145	3260	12.20	3970	4.1	
80	5890	22.05	2580	1.25	JRTFA69DN132S4
85	5580	20.90	2630	1.30	JRTFAF69DN132S4
97	4880	18.29	2730	1.50	JRTF69DN132S4





Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load $F_{R0.1}$ lbf	Service factor f_s	Model
7.5HP					
107	4400	16.48	2790	1.65	
122	3860	14.46	2850	1.90	
139	3400	12.76	2890	2.1	
156	3020	11.31	2860	2.4	
183	2580	9.66	2770	2.8	
195	2420	9.08	2670	1.95	JRTFA69DN132S4
206	2290	8.60	2640	2.2	JRTFAF69DN132S4
235	2010	7.53	2560	2.7	JRTF69DN132S4
261	1810	6.78	2500	3.0	JRTFF69DN132S4
297	1590	5.95	24300	3.4	
337	1400	5.25	2360	3.7	
380	1240	4.66	2290	4.0	
445	1060	3.97	2200	4.2	
105	4490	16.81	1230	1.20	
111	4240	15.88	1230	1.25	
131	3610	13.52	1230	1.45	
144	3280	12.29	1220	1.60	JRTFA59DN132S4
166	2840	10.64	1210	1.85	JRTFAF59DN132S4
216	2180	8.19	1130	1.70	JRTF59DN132S4
229	2060	7.73	1130	1.80	JRTFF59DN132S4
269	1750	6.58	1100	2.1	
295	1590	5.98	1080	2.3	
341	1380	5.18	1060	2.6	
433	1090	8.19	1010	3.4	JRTFA59DN132S2
458	1030	7.73	1000	3.4	JRTFAF59DN132S2
538	870	6.58	960	4.2	JRTF59DN132S2
592	795	5.98	940	4.7	JRTFF59DN132S2
684	690	5.18	910	5.3	
10.0HP					
4.0	146300	446	23400	1.10	
5.0	114200	353	25300	1.40	JRTFA159R99DN132M4
5.9	99000	302	25900	1.60	JRTFAF159R99DN132M4
6.5	89300	273	26300	1.80	JRTF159R99DN132M4
7.7	75400	232	26800	2.1	JRTFF159R99DN132M4
8.8	65500	202	27000	2.4	
9.0	63900	197	27000	2.5	
5.7	102600	312	20200	1.05	JRTFA129R89DN132M4
6.0	96200	293	20200	1.10	JRTFAF129R89DN132M4
6.9	84900	259	20200	1.25	JRTF129R89DN132M4
7.9	73300	223	20200	1.45	JRTFF129R89DN132M4
9.0	64800	198	20200	1.65	
11	54500	166	20200	1.95	
9.3	63100	190	11500	1.10	JRTFA109R79DN132M4 JRTFAF109R79DN132M4 JRTF109R79DN132M4 JRTFF109R79DN132M4
4.4	142500	267.43	23700	1.10	
5.4	116000	217.62	25200	1.35	
6.6	94900	178.20	26100	1.70	
7.2	86800	162.96	26400	1.85	
8.3	75500	141.80	26800	2.1	JRTFA159DN160M6
9.4	66700	125.14	27000	2.4	JRTFAF159DN160M6
11	57800	108.49	27000	2.8	JRTF159DN160M6
12	51400	98.53	27000	3.1	JRTFF159DN160M6
14	45700	85.80	27000	3.5	
15	41800	78.46	27000	3.8	
17	36300	68.28	27000	4.4	
20	32100	60.25	26400	5.0	
23	27800	52.24	25400	5.7	

Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load $F_{R0.1}$ lbf	Service factor f_s	Model
10.0HP					
6.9	91000	170.83	20200	1.15	JRTFA129DN160M6
7.7	81900	153.67	20200	1.30	JRTFAF129DN160M6
9.4	66800	125.37	20200	1.60	JRTF129DN160M6
10	60900	114.34	20200	1.75	JRTFF129DN160M6
10	60600	170.83	20200	1.75	JRTFA129DN132M4
12	54500	153.67	20200	1.95	JRTFAF129DN132M4
14	44500	125.37	20200	2.4	JRTF129DN132M4
16	40600	114.34	20200	2.6	JRTFF129DN132M4
9.9	63400	178.64	11500	1.05	
11	57200	161.28	11900	1.20	
12	52000	146.49	12200	1.30	
14	46100	129.97	12500	1.45	JRTFA109DN132M4
15	41800	117.94	12800	1.60	JRTFAF109DN132M4
18	36000	101.38	13100	1.90	JRTF109DN132M4
19	32800	92.47	13300	2.1	JRTFF109DN132M4
20	31400	88.49	13300	2.2	
21	29800	83.99	13400	2.3	
24	26400	74.52	13600	2.6	
26	24000	67.62	13300	2.8	
17	36200	102.16	6850	1.05	
18	24600	97.58	6960	1.10	
20	31900	89.85	7150	1.20	
20	30700	86.59	7230	1.25	
22	28500	80.31	7250	1.35	
23	26800	75.63	7200	1.40	JRTFA99DN132M4
25	25600	72.29	7170	1.50	JRTFAF99DN132M4
27	23200	65.47	7080	1.65	JRTF99DN132M4
31	20600	58.06	6950	1.85	JRTFF99DN132M4
34	18600	52.49	6840	2.0	
40	15800	44.49	6630	2.4	
46	13800	38.86	6460	2.8	
55	11500	32.50	6210	3.3	
41	15300	43.28	6600	1.75	JRTFA99DN132M4
48	13000	36.64	6380	2.1	JRTFAF99DN132M4
52	12000	33.91	6270	3.2	JRTF99DN132M4
58	10700	30.39	6120	3.5	JRTFF99DN132M4
26	24200	68.40	4080	1.10	
31	20100	56.75	4100	1.30	JRTFA89DN132M4
35	17800	50.36	4080	1.45	JRTFAF89DN132M4
39	16000	45.28	4060	1.55	JRTF89DN132M4
45	13900	39.30	4010	1.70	JRTFF89DN132M4
50	12400	35.19	3960	1.85	
61	10300	29.20	3850	2.1	
52	12000	33.92	3940	1.90	
62	10200	28.78	3840	2.1	
67	9410	26.50	3790	2.8	JRTFA89DN132M4
75	8410	23.68	3720	3.2	JRTFAF89DN132M4
83	7570	21.32	3640	3.5	JRTF89DN132M4
92	6850	19.31	3570	3.9	JRTFF89DN132M4
104	6080	17.12	3480	4.4	
115	5490	15.48	3400	4.8	
53	11900	33.74	3740	1.10	JRTFA79DN132M4
59	10600	29.91	3920	1.25	JRTFAF79DN132M4
69	9060	25.54	4090	1.40	JRTF79DN132M4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
10.0HP					
70	9050	25.50	4090	1.45	
83	7610	21.43	4220	1.75	
90	6990	19.70	4270	1.90	
101	6210	17.49	4180	2.1	
113	5550	15.64	4080	2.4	
126	4990	14.06	3990	2.7	JRTFA79DN132M4
145	4330	12.20	3870	3.1	JRTFAF79DN132M4
162	3880	10.93	3770	3.4	JRTF79DN132M4
191	3300	9.30	3550	2.9	JRTFF79DN132M4
215	2930	8.26	3450	3.3	
240	2620	7.39	3360	3.6	
267	2350	6.64	3280	4.0	
308	2040	5.76	3170	4.7	
344	1830	5.16	3080	5.2	
414	1520	4.28	2940	5.9	
97	6490	18.29	2480	1.10	
108	5850	16.48	2590	1.25	
123	5130	14.46	2700	1.40	
139	4530	12.76	2780	1.60	
157	4010	11.31	2740	1.80	JRTFA69DN132M4
184	3420	9.66	2660	2.1	JRTFAF69DN132M4
195	3220	9.08	2550	1.45	JRTF69DN132M4
206	3050	8.60	2520	1.65	JRTFF69DN132M4
236	2670	7.53	2460	2.0	
262	2400	6.78	2410	2.3	
298	2110	5.95	2350	2.5	
338	1880	5.25	2290	2.8	
381	1650	4.66	2230	3.0	
131	4800	13.52	1050	1.10	
144	4360	12.29	1060	1.20	
167	3770	10.64	1070	1.40	JRTFA59DN132M4
217	2900	8.19	1010	1.30	JRTFAF59DN132M4
229	2740	7.73	1010	1.35	JRTF59DN132M4
269	2330	6.58	1000	1.60	JRTFF59DN132M4
296	2120	5.98	990	1.75	
342	1840	5.18	980	2.0	
433	1450	8.19	950	2.5	JRTFA59DN132M2
458	1370	7.73	940	2.7	JRTFAF59DN132M2
538	1170	6.58	910	3.2	JRTF59DN132M2
592	1060	5.98	890	3.5	JRTFF59DN132M2
684	920	5.18	870	4.0	
12.3HP					
5.0	141200	353	23800	1.15	JRTFA159R99DN132L4
5.9	122200	302	24900	1.30	JRTFAF159R99DN132L4
6.5	110300	273	25500	1.45	JRTF159R99DN132L4
7.7	93100	232	26200	1.70	JRTFF159R99DN132L4
8.8	81000	202	26600	1.95	
9.0	79000	197	26700	2.0	
6.9	104700	259	20200	1.00	JRTFA129R89DN132L4
8.0	90400	223	20200	1.15	JRTFAF129R89DN132L4
9.0	80000	198	20200	1.35	JRTF129R89DN132L4
11	67200	166	20200	1.60	JRTFF129R89DN132L4
6.6	116700	267.43	25100	1.35	
8.2	95000	217.62	26100	1.70	JRTFA159DN132L4
10.0	77800	178.20	26700	2.0	JRTFAF159DN132L4
11	71100	162.96	26900	2.2	JRTF159DN132L4
13	61900	141.80	27000	2.6	JRTFF159DN132L4
14	54600	125.14	27000	2.9	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
12.3HP					
10	74500	170.83	20200	1.40	JRTFA129DN132L4
12	67000	153.67	20200	1.60	JRTFAF129DN132L4
14	54700	125.37	20200	1.95	JRTF129DN132L4
16	49900	114.34	20200	2.1	JRTFF129DN132L4
18	43200	98.95	20200	2.5	
20	38100	87.31	20100	2.8	
12	63900	146.49	11500	1.05	
14	56700	129.97	11900	1.20	
15	51400	117.94	12200	1.30	
18	44200	101.38	12700	1.55	JRTFA109DN132L4
19	40300	92.47	12900	1.70	JRTFAF109DN132L4
20	38600	88.49	13000	1.75	JRTF109DN132L4
21	36600	83.99	13100	1.85	JRTFF109DN132L4
24	32500	74.52	13200	2.1	
26	29500	67.62	13000	2.3	
31	25300	58.12	12600	2.7	
35	22100	50.73	12200	3.1	
20	37800	86.59	6670	1.00	
22	35000	80.31	6670	1.10	
23	33000	75.63	6650	1.15	
25	31500	72.29	6640	1.20	JRTFA99DN132L4
27	28500	65.47	6600	1.35	JRTFAF99DN132L4
31	25300	58.06	6530	1.50	JRTF99DN132L4
34	22900	52.49	6450	1.65	JRTFF99DN132L4
40	19400	44.49	6310	1.95	
46	16900	38.86	6170	2.2	
55	14100	32.50	5980	2.7	
52	14800	33.91	6030	2.6	JRTFA99DN132L4
58	13200	30.39	5900	2.9	JRTFAF99DN132L4
65	11900	27.44	5780	3.2	JRTF99DN132L4
71	10800	24.92	5660	3.5	JRTFF99DN132L4
31	24700	56.75	3640	1.05	
35	21900	50.36	3680	1.20	JRTFA89DN132L4
39	19700	45.28	3700	1.25	JRTFAF89DN132L4
45	17100	39.30	3690	1.40	JRTF89DN132L4
50	15300	35.19	3670	1.50	JRTFF89DN132L4
61	12700	29.20	3620	1.75	
67	11500	26.50	3580	2.3	
75	10300	23.68	3530	2.6	JRTFA89DN132L4
83	9300	21.32	3470	2.9	JRTFAF89DN132L4
92	8420	19.31	3410	3.1	JRTF89DN132L4
104	7470	17.12	3340	3.5	JRTFF89DN132L4
115	6750	15.48	3280	3.9	
135	5720	13.12	3170	4.6	
59	13000	29.91	3570	1.00	JRTFA79DN132L4
70	11100	25.54	3850	1.15	JRTFAF79DN132L4
					JRTF79DN132L4
					JRTFF79DN132L4
90	8600	19.70	4130	1.55	
101	7630	17.49	4050	1.75	
113	6820	15.64	3960	1.95	
126	6130	14.06	3880	2.2	
145	5320	12.20	3770	2.5	
162	4770	10.93	3690	2.8	JRTFA79DN132L4
191	4060	9.30	3460	2.4	JRTFAF79DN132L4
215	3600	8.26	3370	2.6	JRTF79DN132L4
240	3220	7.39	3290	3.0	JRTFF79DN132L4
267	2890	6.64	3210	3.3	
308	2510	5.76	3110	3.8	
344	2250	5.16	3030	4.2	
415	1860	4.28	2900	4.8	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H0} [lbf]	Service factor f_s	Model
15.0HP					
5.9	149400	302	23200	1.05	JRTFA159R99DN160M4
6.5	134800	273	24200	1.20	JRTFAF159R99DN160M4
7.7	114000	232	25300	1.40	JRTF159R99DN160M4
8.8	99200	202	25900	1.60	JRTFF159R99DN160M4
9.0	96600	197	26000	1.65	
9.0	97800	198	20200	1.10	JRTFA129R89DN160M4
11	82100	166	20200	1.30	JRTFAF129R89DN160M4 JRTF129R89DN160M4 JRTFF129R89DN160M4
6.6	142300	267.43	23700	1.10	
8.2	115800	217.62	25200	1.40	
10.0	94800	178.20	26100	1.70	
11	86700	162.96	26400	1.85	JRTFA159DN160M4
13	75400	141.80	26800	2.1	JRTFAF159DN160M4
14	66500	125.14	27000	2.4	JRTF159DN160M4
16	57700	108.49	26600	2.8	JRTFF159DN160M4
18	51300	96.53	25900	3.1	
21	45600	85.80	25200	3.5	
23	41700	78.46	24700	3.8	
26	36300	68.28	23900	4.4	
33	28400	53.55	22500	2.5	JRTFA159DN160M4 JRTFAF159DN160M4 JRTF159DN160M4 JRTFF159DN160M4
10	90900	170.83	20200	1.15	
12	81700	153.67	20200	1.30	
14	66700	125.37	20200	1.60	
16	60800	114.34	20200	1.75	JRTFA129DN160M4
18	52600	98.95	20100	2.0	JRTFAF129DN160M4
20	46400	87.31	19600	2.3	JRTF129DN160M4
24	40100	75.41	19000	2.6	JRTFF129DN160M4
25	37200	70.07	18700	2.9	
14	69100	129.97	11100	1.00	
15	62700	117.94	11500	1.10	
18	53900	101.38	12100	1.25	
19	49200	92.47	12400	1.40	JRTFA109DN160M4
20	47000	88.49	12500	1.45	JRTFAF109DN160M4
21	44600	83.99	12600	1.50	JRTF109DN160M4
24	39600	74.52	12700	1.70	JRTFF109DN160M4
26	35900	67.62	12500	1.90	
31	30900	58.12	12200	2.2	
35	26900	50.73	11900	2.5	
41	22800	43.03	11500	3.0	JRTFA109DN160M4
53	17900	33.79	10900	3.6	JRTFAF109DN160M4
64	14600	27.57	10400	4.7	JRTF109DN160M4
71	13300	25.14	10200	5.2	JRTFF109DN160M4
25	38400	72.29	6020	1.00	
27	34800	65.47	6040	1.10	
31	30800	58.06	6030	1.25	JRTFA99DN160M4
34	27900	52.49	6010	1.35	JRTFAF99DN160M4
40	23600	44.49	5930	1.60	JRTF99DN160M4
46	20600	38.86	5840	1.85	JRTFF99DN160M4
55	17200	32.50	5700	2.2	
52	18000	33.91	5740	2.1	
58	16100	30.39	5640	2.4	JRTFA99DN160M4
65	14600	27.44	5540	2.6	JRTFAF99DN160M4
71	13200	24.92	5450	3.9	JRTF99DN160M4
80	11700	22.11	5320	3.2	JRTFF99DN160M4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H0} [lbf]	Service factor f_s	Model
15.0HP					
39	24000	45.28	3270	1.05	JRTFA89DN160M4
45	20900	39.30	3320	1.15	JRTFAF89DN160M4
50	18700	35.19	3340	1.25	JRTF89DN160M4
61	15500	29.20	3340	1.45	JRTFF89DN160M4
67	14000	26.50	3330	1.90	
75	12600	23.68	3300	2.1	JRTFA89DN160M4
83	11300	21.32	3270	2.3	JRTFAF89DN160M4
92	10200	19.31	3230	2.6	JRTF89DN160M4
104	9110	17.12	3180	2.9	JRTFF89DN160M4
115	8230	15.48	3130	3.2	
135	6980	13.12	3040	3.8	
90	10400	19.70	3940	1.25	
102	9300	17.49	3890	1.45	
114	8320	15.64	3820	1.60	
126	7480	14.06	3760	1.75	
146	6490	12.20	3670	2.0	JRTFA79DN160M4
163	5810	10.93	3590	2.3	JRTFAF79DN160M4
191	4940	9.30	3350	1.95	JRTF79DN160M4
215	4390	8.26	3280	2.2	JRTFF79DN160M4
240	3920	7.39	3210	2.4	
267	3530	6.64	3140	2.7	
308	3060	5.76	3050	3.1	
344	2740	5.16	2970	3.5	
415	2270	4.28	2850	3.9	
20HP					
7.7	152500	232	23000	1.05	JRTFA159R99DN160L4
8.8	132900	202	24300	1.20	JRTFAF159R99DN160L4
9.1	129400	197	24500	1.25	JRTF159R99DN160L4 JRTFF159R99DN160L4
8.2	154300	217.62	22900	1.05	
10.0	126300	178.20	24600	1.25	
11	115500	162.96	25200	1.40	
13	100500	141.80	25900	1.60	JRTFA159DN160L4
14	88700	125.14	26300	1.80	JRTFAF159DN160L4
16	76900	108.49	25700	2.1	JRTF159DN160L4
18	68400	96.53	25100	2.3	JRTFF159DN160L4
21	60800	85.80	24500	2.6	
23	55600	78.46	24000	2.9	
26	48400	68.28	23300	3.3	
29	42700	60.25	22600	3.7	
33	37900	53.55	22000	1.85	JRTFA159DN160L4
40	31100	43.94	21000	2.8	JRTFAF159DN160L4 JRTF159DN160L4 JRTFF159DN160L4
14	88900	125.37	19700	1.20	
16	81000	114.34	19500	1.30	
18	70100	98.95	19100	1.50	JRTFA129DN160L4
20	61900	87.31	18700	1.70	JRTFAF129DN160L4
24	53400	75.41	18200	2.0	JRTF129DN160L4
25	49600	70.07	18000	2.1	JRTFF129DN160L4
28	45300	63.91	17700	2.3	
32	39200	55.31	17200	2.7	
19	65500	92.47	11400	1.05	
20	62700	88.49	11500	1.10	
21	59500	83.99	11700	1.15	
24	52800	74.52	11800	1.30	JRTFA109DN160L4
26	47900	67.62	11700	1.40	JRTFAF109DN160L4
31	41200	58.12	11500	1.65	JRTF109DN160L4
35	35900	50.73	11300	1.90	JRTFF109DN160L4
41	30500	43.03	11000	2.2	
47	26600	37.61	10700	2.5	
56	22500	31.80	10400	3.0	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
20HP					
53	23900	33.79	10500	2.7	JRTFA109DN180L4
64	19500	27.57	10100	3.5	JRTFAF109DN180L4
71	17800	25.14	9900	3.9	JRTF109DN180L4
82	15400	21.76	9590	4.5	JRTFF109DN180L4
34	37200	52.49	5180	1.00	JRTFA99DN180L4
40	31500	44.49	5230	1.20	JRTFAF99DN180L4
46	27500	38.86	5230	1.40	JRTF99DN180L4
55	23000	32.50	5190	1.65	JRTFF99DN180L4
52	24000	33.91	5200	1.60	
58	21500	30.39	5160	1.75	
65	19400	27.44	5110	1.95	
71	17600	24.92	5050	2.1	JRTFA99DN180L4
80	15600	22.11	4970	2.4	JRTFAF99DN180L4
89	14200	20.07	4900	2.7	JRTF99DN180L4
103	12200	17.25	4770	3.1	JRTFF99DN180L4
118	10600	15.06	4650	3.6	
139	9050	12.77	4500	4.2	
159	7910	11.16	4360	4.6	
61	20700	29.20	2840	1.05	JRTFA89DN180L4 JRTFAF89DN180L4 JRTF89DN180L4 JRTFF89DN180L4
67	18700	26.50	2870	1.40	
75	16700	23.68	2890	1.60	
83	15100	21.32	2900	1.75	
92	13600	19.31	2900	1.95	
104	12100	17.12	2880	2.2	
115	10900	15.48	2860	2.4	
135	9300	13.12	2810	2.9	JRTFA89DN180L4
155	8120	11.46	2770	3.3	JRTFAF89DN180L4
185	6790	9.58	2690	3.8	JRTF89DN180L4
214	5870	8.29	2560	4.3	JRTFF89DN180L4
242	5210	7.35	2510	4.6	
267	4710	6.65	2460	4.9	
315	3990	5.63	2380	5.4	
361	3480	4.92	2310	5.9	
432	2910	4.12	2220	6.4	
25HP					
9.1	161800	197	22300	1.00	JRTFA159R99DN180M4 JRTFAF159R99DN180M4 JRTF159R99DN180M4 JRTFF159R99DN180M4
10.0	157600	178.20	22700	1.00	
11	144100	162.96	23600	1.10	
13	125400	141.80	24700	1.25	
14	110600	125.14	25200	1.45	
16	95900	108.49	24700	1.65	JRTFA159DN180M4
18	85300	96.53	24200	1.85	JRTFAF159DN180M4
21	75800	85.80	23700	2.1	JRTF159DN180M4
23	69300	78.46	23300	2.3	JRTFF159DN180M4
26	60300	68.28	22600	2.6	
30	53200	60.25	22100	3.0	
34	46100	52.24	21400	3.5	
41	38800	43.94	20600	2.3	JRTFA159DN180M4 JRTFAF159DN180M4 JRTF159DN180M4 JRTFF159DN180M4
16	101100	114.34	18200	1.05	JRTFA129DN180M4
18	87500	98.95	18000	1.20	JRTFAF129DN180M4
20	77200	87.31	17800	1.35	JRTF129DN180M4
24	66600	75.41	17400	1.60	JRTFF129DN180M4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
25HP					
25	61900	70.07	17300	1.70	JRTFA129DN180M4
28	56500	63.91	17000	1.90	JRTFAF129DN180M4
32	48900	55.31	16600	2.2	JRTF129DN180M4
36	43100	48.80	16200	2.5	JRTFF129DN180M4
42	37200	42.15	15800	2.9	
24	65900	74.52	10900	1.05	
26	59800	67.62	10900	1.15	JRTFA109DN180M4
31	51400	58.12	10800	1.30	JRTFAF109DN180M4
35	44800	50.73	10700	1.50	JRTF109DN180M4
41	38000	43.03	10500	1.80	JRTFF109DN180M4
47	33200	37.61	10300	2.0	
56	28100	31.80	10000	2.4	
53	29800	33.79	10100	2.2	JRTFA109DN180M4
65	24300	27.57	9760	2.8	JRTFAF109DN180M4
71	22200	25.14	9600	3.1	JRTF109DN180M4
82	19200	21.76	9330	3.6	JRTFF109DN180M4
46	34300	38.86	4620	1.10	JRTFA99DN180M4
55	28700	32.50	4670	1.30	JRTFAF99DN180M4 JRTF99DN180M4 JRTFF99DN180M4
65	24200	27.44	4670	1.55	
71	22000	24.92	4660	1.75	
81	19500	22.11	4620	1.95	
89	17700	20.07	4580	2.1	JRTFA99DN180M4
103	15200	17.25	4500	2.5	JRTFAF99DN180M4
118	13300	15.06	4410	2.9	JRTF99DN180M4
139	11200	12.77	4290	3.4	JRTFF99DN180M4
160	9870	11.16	4190	3.7	
197	8010	9.06	3910	2.6	
217	7270	8.22	3840	2.9	
84	18800	21.32	2530	1.40	
92	17000	19.31	2560	1.55	
104	15100	17.12	2580	1.75	
115	13600	15.48	2590	1.95	
136	11600	13.12	2590	2.3	
155	10100	11.46	2570	2.6	JRTFA89DN180M4
186	8470	9.58	2520	3.0	JRTFAF89DN180M4
215	7330	8.29	2400	1.85	JRTF89DN180M4
242	6500	7.35	2370	2.1	JRTFF89DN180M4
268	5870	6.65	2330	2.3	
316	4980	5.63	2270	2.7	
362	4350	4.92	2210	3.1	
433	3630	4.12	2140	3.5	
30HP					
13	150400	141.80	23200	1.05	
14	132800	125.14	24100	1.20	
16	115100	108.49	23700	1.40	
18	102400	96.53	23300	1.55	
21	91000	85.80	22900	1.75	JRTFA159DN180L4
23	83200	78.46	22600	1.90	JRTFAF159DN180L4
26	72400	68.28	22000	2.2	JRTF159DN180L4
30	63900	60.25	21500	2.5	JRTFF159DN180L4
34	55400	52.24	20900	2.9	
38	49300	46.48	20400	3.2	
44	42500	40.06	19700	3.8	
55	34500	32.55	18800	4.6	
41	46600	43.94	20200	1.90	JRTFA159DN180L4 JRTFAF159DN180L4 JRTF159DN180L4 JRTFF159DN180L4
50	37900	35.75	19200	2.6	





Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load F_{H2} lbf	Service factor f_s	Model
30HP					
18	105000	98.95	17000	1.00	JRTFA129DN180L4 JRTFAF129DN180L4 JRTF129DN180L4 JRTFF129DN180L4
20	92600	87.31	16900	1.15	
24	80000	75.41	16700	1.35	
25	74300	70.07	16500	1.45	
28	67800	63.91	16300	1.55	
32	58600	55.31	16000	1.80	
36	51700	48.80	15700	2.0	
42	447000	42.15	15300	2.4	
48	39500	37.28	15000	2.7	
66	28500	26.86	14000	2.6	JRTFA129DN180L4
72	26000	24.57	13700	2.9	JRTFAF129DN180L4 JRTF129DN180L4 JRTFF129DN180L4
31	61600	58.12	10100	1.10	JRTFA109DN180L4 JRTFAF109DN180L4 JRTF109DN180L4 JRTFF109DN180L4
35	53800	50.73	10100	1.25	
41	45600	43.03	9960	1.50	
47	39900	37.61	9830	1.70	
56	33700	31.80	9630	2.0	
53	35800	33.79	9710	1.85	JRTFA109DN180L4 JRTFAF109DN180L4 JRTF109DN180L4 JRTFF109DN180L4
65	29200	27.57	9430	2.4	
71	26600	25.14	9300	2.6	
82	23000	21.76	9070	3.0	
93	20300	19.20	8860	3.4	
55	34400	32.50	4160	1.10	JRTFA99DN180L4 JRTFAF99DN180L4 JRTF99DN180L4 JRTFF99DN180L4
65	29100	27.44	4240	1.30	JRTFA99DN180L4 JRTFAF99DN180L4 JRTF99DN180L4 JRTFF99DN180L4
71	26400	24.92	4260	1.45	
81	23400	22.11	4270	1.60	
89	21200	20.07	4260	1.80	
103	18300	17.25	4230	2.1	
118	15900	15.06	4170	2.4	
139	13500	12.77	4090	2.8	
160	11800	11.16	4010	3.1	
197	9610	9.06	3750	2.2	
217	8720	8.22	3690	2.4	
252	7500	7.07	3590	2.8	
84	22600	21.32	2160	1.15	JRTFA89DN180L4 JRTFAF89DN180L4 JRTF89DN180L4 JRTFF89DN180L4
92	20400	19.31	2230	1.30	
104	18100	17.12	2290	1.45	
115	16400	15.48	2320	1.60	
136	13900	13.12	2360	1.90	
155	12100	11.46	2370	2.2	
186	10100	9.58	2360	2.5	
215	8790	8.29	2240	1.55	
242	7800	7.35	2230	1.75	
268	7050	6.65	2210	1.90	
316	5970	5.63	2160	2.3	
362	5220	4.92	2120	2.6	
433	4360	4.12	2060	3.0	
40HP					
16	153300	108.49	21800	1.05	JRTFA159DN200L4 JRTFAF159DN200L4 JRTF159DN200L4 JRTFF159DN200L4
18	136400	96.53	21800	1.15	
21	121200	85.80	21400	1.30	
23	110900	78.46	21200	1.45	
16	96500	68.28	20800	1.65	
30	85100	60.25	20400	1.85	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H2} ¹⁾ [lbf]	Service factor f_s	Model
40HP					
34	73800	52.24	20000	2.2	JRTFA159DN200L4
38	65600	46.48	19600	2.4	JRTFAF159DN200L4
45	56600	40.06	19000	2.8	JRTF159DN200L4 JRTFF159DN200L4
50	50500	35.75	18600	1.95	JRTFA159DN200L4 JRTFAF159DN200L4 JRTF159DN200L4 JRTFF159DN200L4
24	106500	75.41	15100	1.00	JRTFA129DN200L4 JRTFAF129DN200L4 JRTF129DN200L4 JRTFF129DN200L4
25	99000	70.07	15100	1.05	
28	90300	63.91	15000	1.20	
32	78100	55.31	14900	1.35	
37	68900	48.80	14700	1.55	
42	59500	42.15	14400	1.80	
48	52600	37.28	14200	2.0	
57	44200	31.33	13800	2.4	
70	35700	25.30	13300	3.0	
66	37900	26.86	13400	2.0	JRTFA129DN200L4
73	34700	24.57	13200	2.2	JRTFAF129DN200L4
83	30200	21.38	12900	3.5	JRTF129DN200L4
95	26600	18.87	12500	3.6	JRTFF129DN200L4
41	60800	43.03	8930	1.10	JRTFA109DN200L4
47	53100	37.61	8930	1.30	JRTFAF109DN200L4
56	44900	31.80	8870	1.50	JRTF109DN200L4 JRTFF109DN200L4
65	38900	27.57	8770	1.80	JRTFA109DN200L4 JRTFAF109DN200L4 JRTF109DN200L4 JRTFF109DN200L4
71	35500	25.14	8700	1.95	
82	30700	21.76	8550	2.3	
93	27100	19.20	8400	2.6	
108	23400	16.58	8210	3.0	
122	20700	14.67	8040	3.3	
145	17400	12.33	7780	3.5	
179	14000	9.96	7450	4.1	
81	31200	22.11	3580	1.20	
89	28300	20.07	3630	1.35	
103	24300	17.25	3680	1.55	JRTFA99DN200L4 JRTFAF99DN200L4 JRTF99DN200L4 JRTFF99DN200L4
118	21200	15.06	3700	1.80	
140	18000	12.77	3690	2.1	
160	15700	11.16	3680	2.3	
197	12800	9.06	3420	1.65	
217	11600	8.22	3390	1.80	
252	9990	7.07	3330	2.1	
289	8720	6.17	3270	2.3	
341	7390	5.23	3180	2.6	
390	6460	4.57	3100	2.8	
461	5460	3.87	3000	2.9	
50HP					
21	151400	85.80	19800	1.05	JRTFA159DN225S4 JRTFAF159DN225S4 JRTF159DN225S4 JRTFF159DN225S4
23	138400	78.46	19800	1.15	
26	120400	68.28	19600	1.30	
30	106300	60.25	19400	1.50	
34	92100	52.24	19000	1.75	
38	82000	46.48	18700	1.95	
45	70600	40.06	18300	2.2	
55	57400	32.55	17700	2.8	
65	48700	27.60	17100	3.3	
50	63000	35.75	18000	1.55	JRTFA159DN225S4
62	50400	28.60	17200	3.0	JRTFAF159DN225S4
70	44800	25.43	16800	3.0	JRTF159DN225S4 JRTFF159DN225S4

Output speed n_g [r/min]	Output torque T_g lbf · in	Ratio i	Permitted overhung load F_{R2} ¹⁾ lbf	Service factor f_s	Model
50HP					
32	97600	55.31	13700	1.10	JRTFA129DN225S4 JRTFAF129DN225S4 JRTF129DN225S4 JRTFF129DN225S4
37	86100	48.80	13700	1.25	
42	74300	42.15	13500	1.45	
48	65700	37.28	13400	1.60	
57	55200	31.33	13200	1.90	
71	44600	25.30	12800	2.4	JRTFA129DN225S4 JRTFAF129DN225S4 JRTF129DN225S4 JRTFF129DN225S4
66	47400	26.86	12900	1.60	
73	43300	24.57	12700	1.75	
84	37700	21.38	12400	2.8	
95	33200	18.87	12100	2.9	
109	28800	16.36	11800	3.4	
123	25600	14.55	11500	3.8	
142	22100	12.54	11200	4.0	
175	17900	10.19	10700	4.7	
201	15600	8.86	10300	4.0	
226	13900	7.88	9980	3.8	JRTFA109DN225S4 JRTFAF109DN225S4 JRTF109DN225S4 JRTFF109DN225S4
47	66300	37.61	8030	1.00	
56	56100	31.80	8110	1.20	
65	48600	27.57	8120	1.45	
71	44300	25.14	8100	1.55	
82	38400	21.76	8030	1.80	JRTFA109DN225S4 JRTFAF109DN225S4 JRTF109DN225S4 JRTFF109DN225S4
93	33800	19.20	7940	2.0	
108	29200	16.58	7810	2.4	
122	25800	14.67	7690	2.6	
145	21700	12.33	7490	2.9	
179	17500	9.96	7210	3.3	
184	17100	9.69	7050	2.5	
213	14700	8.37	6870	2.9	
241	13000	7.40	6710	3.1	
287	10900	6.22	6470	3.7	
89	35400	20.07	3000	1.05	JRTFA99DN225S4 JRTFAF99DN225S4 JRTF99DN225S4 JRTFF99DN225S4
103	30400	17.25	3140	1.25	
119	26500	15.06	3230	1.45	
140	22500	12.77	3290	1.70	
160	19600	11.16	3310	1.85	
197	15900	9.06	3100	1.30	
217	14500	8.22	3100	1.45	
253	12400	7.07	3080	1.65	
289	10800	6.17	3050	1.85	
341	9230	5.23	3000	2.1	
390	8070	4.57	2940	2.2	JRTFA159DN225M4 JRTFAF159DN225M4 JRTF159DN225M4 JRTFF159DN225M4
462	6820	3.87	2860	2.3	
60HP					
26	144500	68.28	18400	1.10	JRTFA159DN225M4 JRTFAF159DN225M4 JRTF159DN225M4 JRTFF159DN225M4
30	127600	60.25	18300	1.25	
34	110600	52.24	18100	1.45	
38	98400	46.48	17900	1.60	
45	84800	40.06	17600	1.90	
55	68900	32.55	17100	2.3	
65	58400	27.60	16600	2.7	
50	75700	35.75	17300	1.30	JRTFA159DN225M4 JRTFAF159DN225M4 JRTF159DN225M4 JRTFF159DN225M4
62	60500	28.60	16700	2.5	
70	53800	25.43	16400	2.5	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{s0} ¹⁾ [lbf]	Service factor f_s	Model
60HP					
37	103300	48.80	12400	1.05	JRTFA129DN225M4
42	89200	42.15	12700	1.20	JRTFAF129DN225M4
48	78900	37.28	12600	1.35	JRTF129DN225M4
57	66300	31.33	12500	1.60	JRT129DN225M4
71	53500	25.30	12200	2.0	JRTFA129DN225M4 JRTFAF129DN225M4 JRTF129DN225M4 JRT129DN225M4
66	56800	26.86	12300	1.30	
73	52000	24.57	12200	1.45	
84	45200	21.38	12000	2.4	
95	39900	18.87	11700	2.4	
109	34600	16.36	11500	2.8	
123	30800	14.55	11200	3.2	
142	26500	12.54	10900	3.3	
175	21500	10.19	10500	3.9	
201	18700	8.86	10100	3.3	JRTFA109DN225M4 JRTFAF109DN225M4 JRTF109DN225M4 JRT109DN225M4
226	16600	7.88	9800	3.2	
263	14300	6.80	9470	4.3	
323	11600	5.52	9020	4.5	
56	67300	31.80	7250	1.00	
65	58300	27.57	7460	1.20	JRTFA109DN225M4 JRTFAF109DN225M4 JRTF109DN225M4 JRT109DN225M4
71	53200	25.14	7500	1.30	
82	46000	21.76	7510	1.50	
93	40600	19.20	7480	1.70	
108	35100	16.58	7420	2.0	
122	31000	14.67	7340	2.2	
145	26100	12.33	7190	2.4	
179	21000	9.96	6980	2.7	
184	20500	9.69	6800	2.1	
213	17700	8.37	6650	2.4	
241	15600	7.40	6510	2.6	JRTFA109DN250M4 JRTFAF109DN250M4 JRTF109DN250M4 JRT109DN250M4
287	13100	6.22	6310	3.1	
75HP					
30	159500	60.25	16700	1.00	JRTFA159DN250M4
34	138200	52.24	16700	1.15	JRTFAF159DN250M4
38	123000	46.48	16700	1.30	JRTF159DN250M4
45	106000	40.06	16500	1.50	JRT159DN250M4
55	86100	32.55	16200	1.85	JRTFA159DN250M4 JRTFAF159DN250M4 JRTF159DN250M4 JRT159DN250M4
65	73000	27.60	15900	2.2	
62	75700	28.60	15900	2.0	
70	67300	25.43	15700	1.95	
81	58600	22.16	15400	2.7	
90	52300	19.77	15100	2.9	
106	44600	16.85	14600	3.6	
48	98600	37.28	11100	1.10	
57	82900	31.33	11500	1.30	
71	68900	25.30	11400	1.60	
84	56500	21.38	11300	1.90	JRTFA129DN250M4 JRTFAF129DN250M4 JRTF129DN250M4 JRT129DN250M4
95	49900	18.87	11200	1.95	
109	43200	16.36	11000	2.2	
123	38500	14.55	10800	2.5	
142	33200	12.54	10500	2.7	
175	26900	10.19	10100	3.1	
201	23400	8.86	9760	2.6	
226	20800	7.88	9540	2.5	
263	17900	6.80	9250	3.4	
323	14600	5.52	8830	3.6	
381	12300	4.68	8500	4.3	

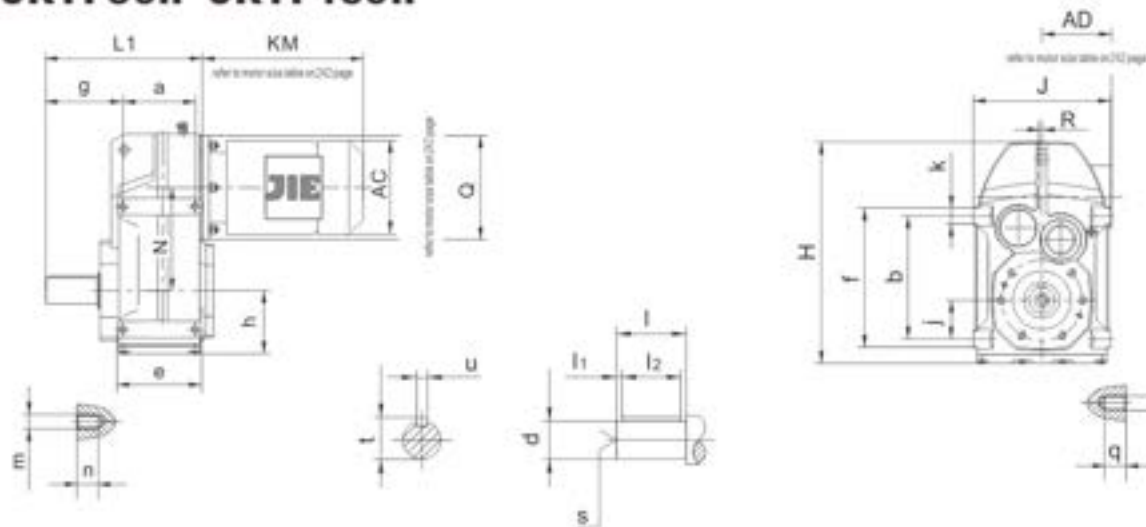
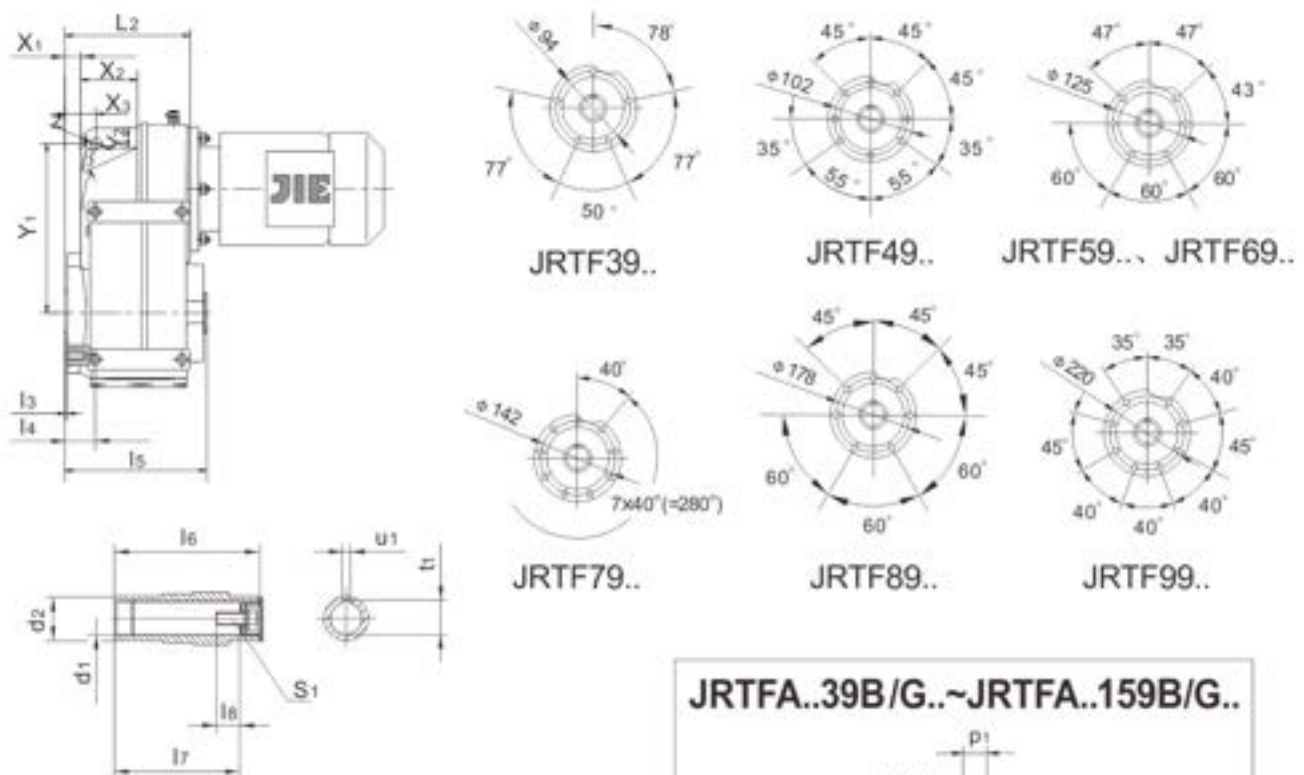
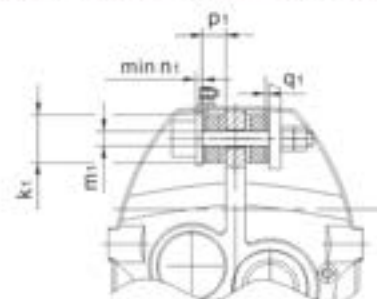




Output speed n_2 [r/min]	Output torque T_2 [lbf · in]	Ratio i	Permitted overhung load F_{a2} [lbf]	Service factor f_s	Model
100HP					
45	141300	40.06	14700	1.15	JRTFA159DN280S4
55	114800	32.55	14700	1.40	JRTFAF159DN280S4
65	97400	27.60	14600	1.65	JRTFF159DN280S4
62	100900	28.60	14700	1.50	
70	88700	25.43	14600	1.50	JRTFA159DN280S4
81	78200	22.16	14400	2.0	JRTFAF159DN280S4
90	69700	19.77	14200	2.2	JRTF159DN280S4
106	59400	16.85	13900	2.7	JRTFF159DN280S4
128	49200	13.96	13500	3.0	
150	42000	11.92	13100	3.4	
71	89300	25.30	9770	1.20	JRTFA129DN280S4 JRTFAF129DN280S4 JRTF129DN280S4 JRTFF129DN280S4
84	75400	21.38	10100	1.40	
95	66500	18.87	10200	1.45	
109	57700	16.36	10100	1.70	
123	51300	14.55	10000	1.90	JRTFA129DN280S4
142	44200	12.54	9860	2.0	JRTFAF129DN280S4
175	35900	10.19	9600	2.3	JRTF129DN280S4
201	31200	8.86	9260	2.0	JRTFF129DN280S4
226	27800	7.88	9100	1.90	
263	23900	6.80	8870	2.6	
323	19400	5.52	8520	2.7	
381	16500	4.68	8240	3.2	
125HP					
55	143600	32.55	13300	1.10	JRTFA159DN280M4
65	121800	27.60	13400	1.30	JRTFAF159DN280M4 JRTF159DN280M4 JRTFF159DN280M4
62	126200	28.60	13400	1.20	JRTFA159DN280M4 JRTFAF159DN280M4 JRTF159DN280M4 JRTFF159DN280M4
70	112200	25.43	13400	1.20	
81	97800	22.16	13400	1.60	JRTFA159DN280M4
90	87200	19.77	13300	1.70	JRTFAF159DN280M4
106	74300	16.85	13100	2.1	JRTF159DN280M4
128	61600	13.96	12800	2.4	JRTFF159DN280M4
150	52600	11.92	12600	2.7	
83	94300	21.38	8380	1.15	JRTFA129DN280M4 JRTFAF129DN280M4 JRTF129DN280M4 JRTFF129DN280M4
95	83200	18.87	8800	1.15	
109	72200	16.36	9130	1.35	
123	64200	14.55	9250	1.50	
142	55300	12.54	9200	1.60	JRTFA129DN280M4
175	44900	10.19	9070	1.85	JRTFAF129DN280M4
201	39100	8.86	8770	1.60	JRTF129DN280M4
226	34800	7.88	8660	1.55	JRTFF129DN280M4
263	29900	6.80	8490	2.1	
323	24300	5.52	8220	2.2	
381	20600	4.68	7980	2.6	
150HP					
65	145700	27.60	12200	1.10	JRTFA159DN315S4 JRTFAF159DN315S4 JRTF159DN315S4 JRTFF159DN315S4
81	116900	22.16	12400	1.35	JRTFA159DN315S4 JRTFAF159DN315S4 JRTF159DN315S4 JRTFF159DN315S4

Output speed n_2 [r/min]	Output torque T_2 [lbf · in]	Ratio i	Permitted overhung load F_{a2} [lbf]	Service factor f_s	Model
150HP					
91	104300	19.77	12400	1.45	JRTFA159DN315S4
106	88900	16.85	12400	1.80	JRTFAF159DN315S4
128	73700	13.96	12200	2.0	JRTF159DN315S4
150	62900	11.92	12000	2.2	JRTFF159DN315S4
175HP					
81	136400	22.16	11400	1.15	JRTFA159DN315M4
91	121700	19.77	11500	1.25	JRTFAF159DN315M4 JRTF159DN315M4 JRTFF159DN315M4
106	103700	16.85	11600	1.55	JRTFA159DN315M4
128	85900	13.96	11600	1.75	JRTFAF159DN315M4 JRTF159DN315M4 JRTFF159DN315M4
150	73300	11.92	11500	1.95	
200HP					
106	118700	16.85	10900	1.35	JRTFA159DN315L4
128	98400	13.96	11000	1.55	JRTFAF159DN315L4 JRTF159DN315L4 JRTFF159DN315L4
150	83900	11.92	11000	1.70	
225HP					
106	133600	16.85	10100	1.20	JRTFA159DN315L4
128	110700	13.96	10300	1.35	JRTFAF159DN315L4 JRTF159DN315L4 JRTFF159DN315L4
150	94400	11.92	10400	1.50	
250HP					
106	148100	16.85	9360	1.10	JRTFA159DN315H4
128	122700	13.96	9720	1.25	JRTFAF159DN315H4 JRTF159DN315H4 JRTFF159DN315H4
150	104700	11.92	9890	1.35	
275HP					
106	163000	16.85	8600	1.00	JRTFA159DN315H4 JRTFAF159DN315H4 JRTF159DN315H4 JRTFF159DN315H4
128	135000	13.96	9100	1.10	JRTFA159DN315H4
150	115200	11.92	9360	1.25	JRTFAF159DN315H4 JRTF159DN315H4 JRTFF159DN315H4
300HP					
128	147400	13.96	8470	1.00	JRTFA159DN315H4
150	125800	11.92	8830	1.15	JRTFAF159DN315H4 JRTF159DN315H4 JRTFF159DN315H4

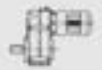
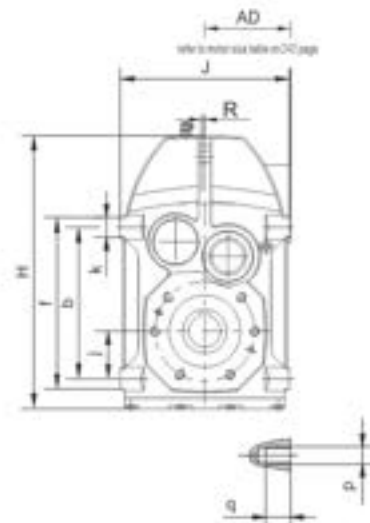
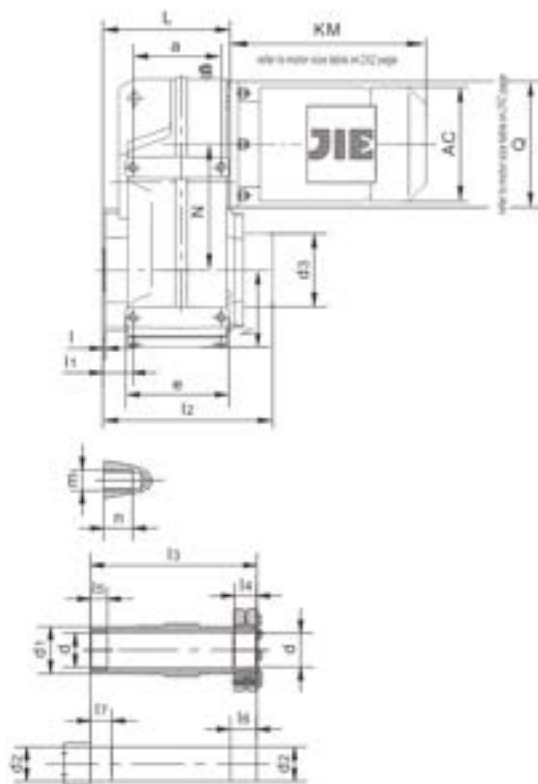
5. Features size table

JRTF39..~JRTF159..**JRTFA39B..~JRTFA159B..****JRTFA..39B/G..~JRTFA..159B/G..**



Model	a	e	g	j	L ₁	K	m	p	Shaft dimension				
	b	f	h	i	L ₂	R	n	q	d	l	l ₁	s	t
JRTF39..	77	96	72.5		160	20	M8	M8	Φ1.000in-0.0005	50	0.33in	D3/8-16x0.86in	1.11in
JRTFA39B..	115	135	73.5	31	110	0	11	11			1.31in		0.250in
JRTF49..	93	111	91		193	20	M8	M10	Φ1.250in-0.0005	60	0.28in	D1/2-13x1.15in	1.11in
JRTFA49B..	145	165	77.5	43	133	0	11	15			1.69in		0.250in
JRTF59..	102	127	104.5		221	25	M12	M12	Φ1.375in-0.0005	70	0.47in	D1/2-13x1.15in	1.11in
JRTFA59B..	170	195	92.5	55	150	0	17	17			1.81in		0.250in
JRTF69..	112	133	118.5		242	25	M12	M12	Φ1.625in-0.001	80	0.45in	D5/8-11x1.37in	1.79in
JRTFA69B..	190	215	95.5	60	161	0	17	17			2.25in		0.375in
JRTF79..	140	171	137.5		294	35	M12	M16	Φ2.000in-0.001	100	0.66in	D3/4-10x1.61in	2.22in
JRTFA79B..	240	275	115.5	70	193	0	17	26			2.63in		0.500in
JRTF89..	165	195	163		344	40	M16	M16	Φ2.375in-0.001	120	0.55in	D3/4-10x1.61in	2.65in
JRTFA89B..	310	350	145.5	100	224	0	26	26			3.63in		0.625in
JRTF99..	205	242	190.5		416	50	M16	M20	Φ2.875in-0.001	140	0.69in	D3/4-10x1.61in	3.20in
JRTFA99B..	350	400	173.5	120	274	0	26	28			4.13in		0.750in
JRTF109..	220	260	241.5		484	60	/	M24	Φ3.625in-0.001	170	0.66in	D1-8x2.15in	4.01in
JRTFA109B..	400	460	200	125	312	0	/	36			5.38in		0.875in
JRTF129..	270	316	291		585	70	/	M30	Φ4.375in-0.001	210	1.13in	D1-8x2.15in	4.82in
JRTFA129B..	450	520	236	142	373	10	/	45			6.00in		1.000in
JRTF159..	310	364	325		662	80	/	M36	Φ4.750in-0.001	210	0.85in	D1-8x2.15in	5.29in
JRTFA159B..	540	620	286	170	455	15	/	55			6.56in		1.250in

Model	Hollow shaft dimension								H	N	X ₁ X ₂ X ₃	Y ₁ Y ₂	Z β	torque arm form	
	d ₁	d ₂	l ₁ l ₂	l ₃ l ₄	l ₅ l ₆	l ₇ l ₈	s ₁	t ₁ u ₁						k ₁ m ₁ n ₁	p ₁ q ₁
JRTF39..	Φ1.250inH7	45	2.5	123	120	0.68in	7/16-14x1.00in	1.37in	252	112	11	158	14	40	20
JRTFA39B..			22.5	105	105			0.250in	165	120	47.5	26	29	12.5	1
JRTF49..	Φ1.375inH7	50	3	153	150	0.63in	1/2-13x1.00in	1.53in	269	128.1	11	170	14	40	20
JRTFA49B..			31	132	132			0.3155in	180	120	58	22	26	12.5	1.8
JRTF59..	Φ1.500inH7	55	3	170	166	1.39in	5/8-11x1.75in	1.67in	317	136	19	198	14	40	20
JRTFA59B..			33.5	142	142			0.375in	200	160	60	23	28	12.5	2.4
JRTF69..	Φ1.500inH7	55	3.5	184	180	1.4in	5/8-11x1.75in	1.67in	343	159.5	20.5	218	14	40	20
JRTFA69B..			37	156	156			0.375in	212	160	73	26	24	12.5	3
JRTF79..	Φ2.000inH7	70	4	213	210	1.19in	5/8-11x1.75in	2.24in	426	200	20	278	22	60	30
JRTFA79B..			36.5	183	183			0.500in	270	200	80	39	25	21	3.2
JRTF89..	Φ2.375inH7	85	4	243	240	1.42in	3/4-10x2.00in	2.67in	531	246.7	19	346	22	60	30
JRTFA89B..			43	210	210			0.625in	330	250	95	41	26	21	4.5
JRTF99..	Φ2.750inH7	95	4	303	300	1.28in	3/4-10x2.00in	3.05in	623	285	28	395	26	80	40
JRTFA99B..			48.5	270	270			0.625in	400	300	110	57	29	25	5
JRTF109..	Φ3.625inH7	118	2.5	353	350	1.27in	3/4-10x2.00in	3.89in	717	332.4	57	485	26	80	40
JRTFA109B..			69.5	313	313			0.875in	450	350	100	108	25	25	6
JRTF129..	Φ4.000inH7	135	2.5	413	410	1.27in	1-8x2.25in	4.46in	856	382.6	66	550	33	100	60
JRTFA129B..			79.25	373	373			1.000in	530	450	125	138	25	32	9
JRTF159..	Φ4.500inH7	155	7	503	500	1.02in	1-8x2.25in	4.95in	1021	447	98	660	33	120	60
JRTFA159B..			118	460	460			1.000in	660	550	140	170	25	32	9

JRTFH39B..~JRTFH159B..

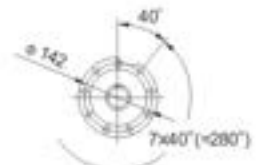
JRTF..39B..



JRTF..49B..



JRTF..59B.. JRTF..69B..



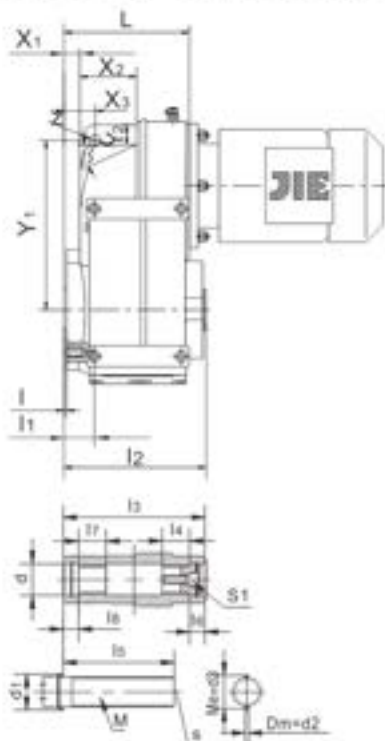
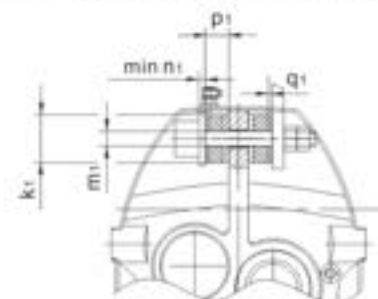
JRTF..79B..



JRTF..89B..



JRTF..99B..

JRTFV39B..~JRTFV109B..**JRTF..39B/G..~JRTF..159B/G..**



Model	a b	e f	h j	L	K R	m n	p q	d	d ₁	d ₂	d ₃	i	s			
JRTFH39B..	77	96	73.5	110	20	M8	M8	30H7	45	30h6	80	2.5	M10			
JRTFV39B..	115	135	31		0	11	11	37 ^{+0.1} ₋₀	≥42	2.75	33.03 ^{+0.03} _{-0.03}					
JRTFH49B..	93	111	77.5	133	20	M8	M10	35H7	50	35h6	88	3	M10			
JRTFV49B..	145	165	43		0	11	15	37 ^{+0.1} ₋₀	≥42	4	38.92 ^{+0.03} _{-0.03}					
JRTFH59B..	102	127	92.5	150	25	M12	M12	40H7	55	40h6	100	3	M10			
JRTFV59B..	170	195	55		0	17	17	37 ^{+0.1} ₋₀	≥42	4	38.92 ^{+0.03} _{-0.03}					
JRTFH69B..	112	133	95.5	161	25	M12	M12	40H7	55	40h6	100	3.5	M16			
JRTFV69B..	190	215	60		0	17	17	47 ^{+0.1} ₋₀	≥52	4	48.85 ^{+0.03} _{-0.03}					
JRTFH79B..	140	171	115.5	193	35	M12	M16	50H7	70	50h6	124	4	M16			
JRTFV79B..	240	275	70		0	17	26	57 ^{+0.1} ₋₀	≥62	4	54.13 ^{+0.03} _{-0.03}					
JRTFH89B..	165	195	145.5	224	40	M16	M16	65H7	85	65h6	165	4	M20			
JRTFV89B..	310	350	100		0	26	26	72 ^{+0.1} ₋₀	≥82	4	68.96 ^{+0.03} _{-0.03}					
JRTFH99B..	205	242	173.5	274	50	M16	M20	75H7	95	75h6	200	4	M20			
JRTFV99B..	350	400	120		0	26	28	72 ^{+0.1} ₋₀	≥90	4	74.15 ^{+0.03} _{-0.03}					
JRTFH109B..	220	260	200	312	60	-	M24	95H7	118	95h6	196	2.5	M20			
JRTFV109B..	400	460	125		0	-	36	90 ^{+0.1} ₋₀	≥105	6	90.99 ^{+0.03} _{-0.03}					
JRTFH129B..	270	316	236	373	70	-	M30	105H7	135	105h6	229	2.5	M20			
	450	520	142		10	-	45									
JRTFV159B..	310	364	286	455	80	-	M36	125H7	155	125h6	275	7	M20			
	540	620	170		15	-	55									
Model	Hollow shaft dimension						l ₆	l ₇	l ₈	M	S ₁	X ₁ X ₂ X ₃	Y ₁ Y ₂	Z β	torque arm form	
	H J	N Q I ₁	l ₂	l ₃	l ₄	l ₅						k ₁ m ₁ n ₁	p ₁ q ₁			
JRTFH39B..	248	112	166	146	31	20	36	25	-	-	-	11	158	14	40	20
JRTFV39B..	165	120 22.5	122	120	25	85	18	25	18	30X1.25X30X22	M10X30	47.5 31.5	26	29	12.5 5	1
JRTFH49B..	270.5	128.1 120	197	177	32	20	37	25	-	-	-	11	170	14	40	20
JRTFV49B..	180	31	152	150	32	115	18	32	18	35X2X30X16	M10X30	58 31	22	26	12.5 5	1.8
JRTFH59B..	315	136 160	221	195	26	20	31	25	-	-	-	19	198	14	40	20
JRTFV59B..	200	33.5	168	166	32	130	18	32	18	35X2X30X16	M10X30	60 41	23	28	12.5 5	2.4
JRTFH69B..	340	159.5 160	235	208	38	20	43	25	-	-	-	20.5 73	218	14	40	20
JRTFV69B..	212	37	180	180	42	130	25	42	25	45X2X30X21	M10X30	40.5 26	24	24	12.5 5	3
JRTFH79B..	423	200 200	284	241	36	30	41	35	-	-	-	20 80	278	22	60	30
JRTFV79B..	270	36.5	210	210	52	160	23	52	23	50X2X30X24	M16X50	50 50	39	25	21 10	3.2
JRTFH89B..	523.5	246.7 250	322	281	41	40	46	45	-	-	-	19 95	346	22	60	30
JRTFV89B..	330	43	240	240	62	180	25	62	25	65X2X30X31	M20X60	62 62	41	26	21 10	4.5
JRTFH99B..	619	285 300	379	345	55	50	60	55	-	-	-	28 110	395	26	80	40
JRTFV99B..	400	48.5	300	300	72	240	25	72	25	70X2X30X34	M20X60	70 70	57	29	25 12	5
JRTFH109B..	717	332.4 350	424	405	65	60	75	70	-	-	-	57 100	485	26	80	40
JRTFV109B..	450	69.5	353	350	89	290	26	89	26	85X3X30X27	M20X60	86 86	108	25	25 12	6
JRTFH129B..	856	382.6 450	509	485	85	70	95	80	-	-	-	66 125	550	33	100	60
	530	79.25										110 110	138	25	32 15	9
JRTFV159B..	1021	447 550	610	580	90	80	100	90	-	-	-	98 140	660	33	120	60
	660	118										150 150	170	25	32 15	9

JRTFV...B...Spline shaft is a cording to DIN standard .If you need GB or ISO standard . Please contact with us.

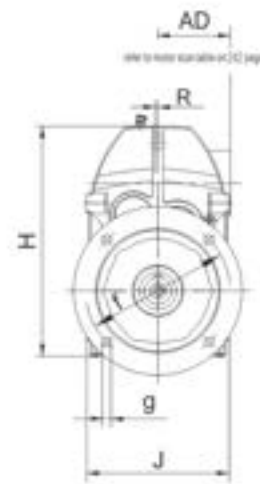
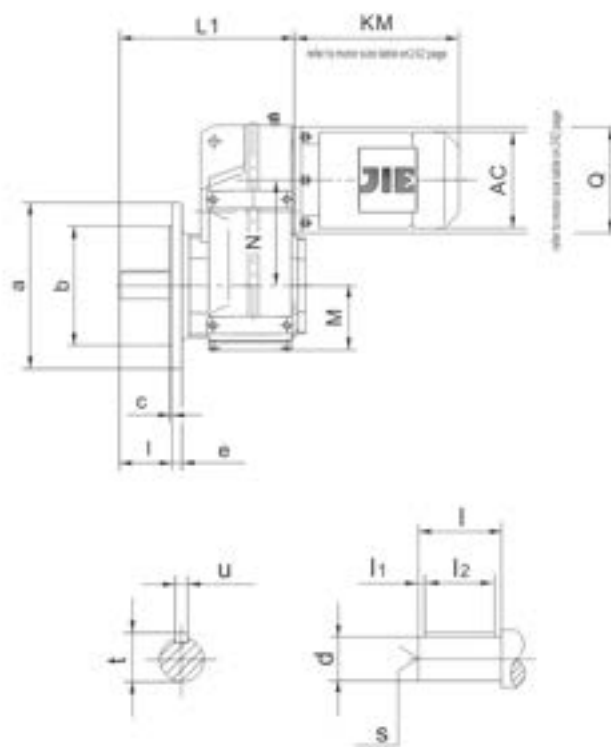
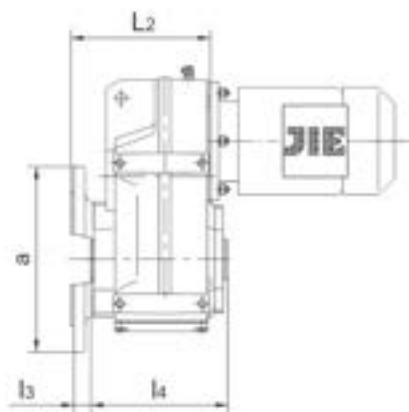
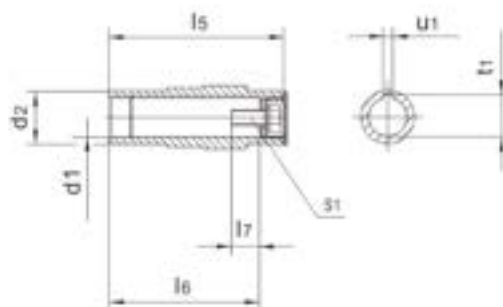
JRTFF39..~JRTFF159..**JRTFAF39..~JRTFAF159..**

Fig.1



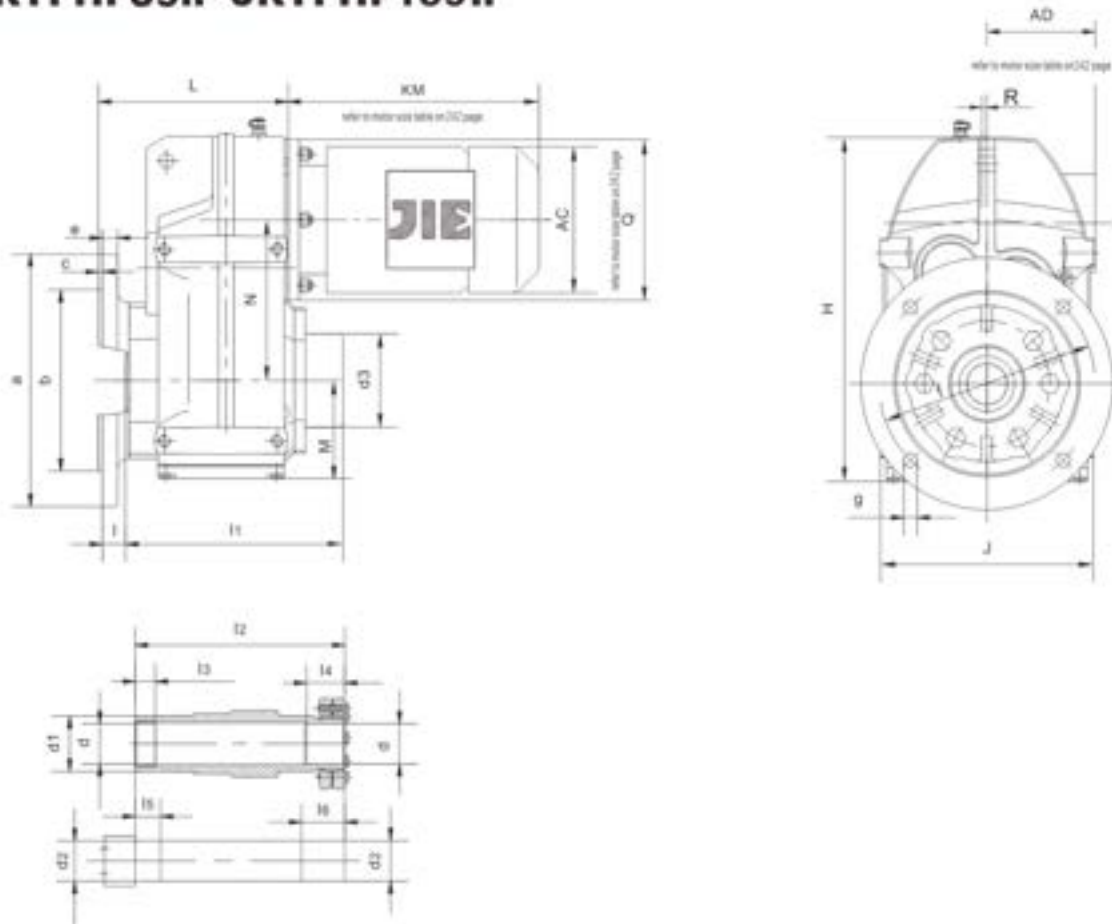
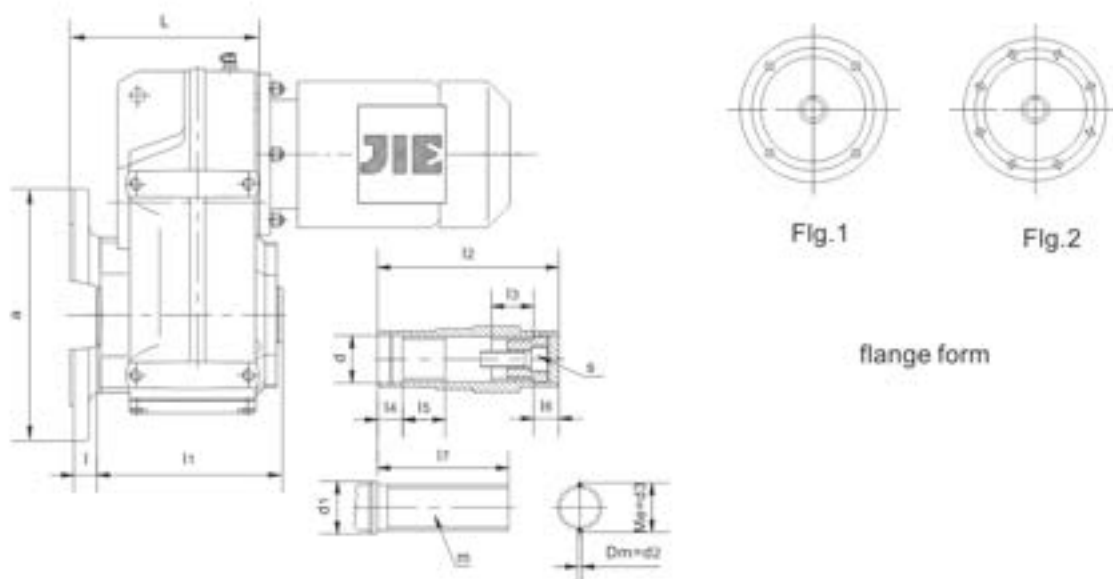
Fig.2



flange form



Model	Image	a b	c e	f g	Shaft dimension				Hollow shaft dimension					H J	L ₁ L ₂ R	M N Q
					d I	l ₁ L ₂	s	t u	d ₁ d ₂	L ₁ L ₂	L ₃ L ₄	l ₃ s ₁	t ₁ u ₁			
JRTFF39... JRTFAF39...	Fig.1	160 110j6	3.5 10	130 9	Φ1.000in-0.0005 1.97	0.33in 1.31in	D3/8-16x0.86in	1.11in 0.250in	Φ1.250inH7 Φ1.77	24 123	120 105	0.68in 7/16-14x1.00in	1.37in 0.250in	248 165	184 138 0	73.5 112 120
JRTFF49... JRTFAF49...	Fig.1	200 130j6	3.5 12	165 11	Φ1.250in-0.0005 2.36	0.28in 1.69in	D1/2-13x1.15in	1.36in 0.250in	Φ1.375inH7 Φ1.97	25 153	150 132	0.63in 1/2-13x1.00in	1.53in 0.3155in	270.5 180	218 162 0	77.5 128.1 120
JRTFF59... JRTFAF59...	Fig.1	250 180j6	4 15	215 13.5	Φ1.375in-0.0005 2.76	0.47in 1.81in	D1/2-13x1.15in	1.51in 0.3155in	Φ1.500inH7 Φ2.17	23.5 170	166 142	1.39in 5/8-11x1.75in	1.67in 0.375in	315 200	243 177 0	92.5 136 160
JRTFF69... JRTFAF69...	Fig.1	250 180j6	4 15	215 13.5	Φ1.625in-0.001 3.15	0.45in 2.25in	D5/8-11x1.37in	1.79in 0.375in	Φ1.500inH7 Φ2.17	23 184	180 156	1.40in 5/8-11x1.75in	1.67in 0.375in	340 212	264 188 0	95.5 159.5 160
JRTFF79... JRTFAF79...	Fig.1	300 230h6	4 16	265 13.5	Φ2.000in-0.001 3.94	0.66in 2.63in	D3/4-10x1.61in	2.22in 0.500in	Φ2.000inH7 Φ2.76	37 213	210 183	1.19in 5/8-11x1.75in	2.24in 0.500in	423 270	330 234 0	115.5 200 200
JRTFF89... JRTFAF89...	Fig.1	350 250h6	5 18	300 17.5	Φ2.375in-0.001 4.72	0.55in 3.63in	D3/4-10x1.61in	2.65in 0.625in	Φ2.375inH7 Φ3.35	30 243	240 210	1.42in 3/4-10x2.00in	2.67in 0.625in	523.5 330	374 259 0	145.5 246.7 250
JRTFF99... JRTFAF99...	Fig.2	450 350h6	5 22	400 17.5	Φ2.875in-0.001 5.51	0.69in 4.13in	D3/4-10x1.61in	3.20in 0.750in	Φ2.750inH7 Φ3.74	41.5 303	300 270	1.28in 3/4-10x2.00in	3.05in 0.625in	619 400	456 321 0	173.5 285 300
JRTFF109... JRTFAF109...	Fig.2	450 350h6	5 22	400 17.5	Φ3.625in-0.001 6.69	0.66in 5.38in	D1-8x2.15in	4.01in 0.875in	Φ3.625inH7 Φ4.65	41 353	350 313	1.27in 3/4-10x2.00in	3.89in 0.875in	717 450	523 358 0	200 332.4 350
JRTFF129... JRTFAF129...	Fig.2	550 450h6	5 25	500 17.5	Φ4.375in-0.001 8.27	1.13in 6.00in	D1-8x2.15in	4.82in 1.000in	Φ4.000inH7 Φ5.31	51 413	410 373	1.27in 1-8x2.25in	4.46in 1.000in	856 530	634 429 10	236 382.6 450
JRTFF159... JRTFAF159...	Fig.2	660 550h6	6 28	600 22	Φ4.750in-0.001 8.27	0.85in 6.56in	D1-8x2.15in	5.29in 1.250in	Φ4.500inH7 Φ6.10	60 503	500 460	1.02in 1-8x2.25in	4.95in 1.000in	1021 660	725 521 15	286 447 550

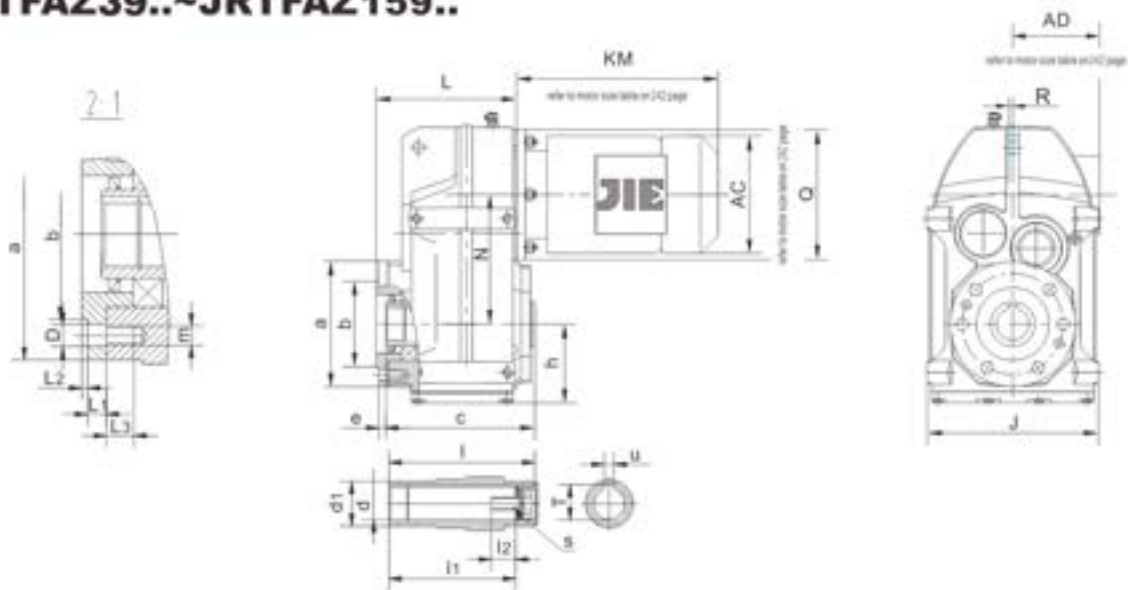
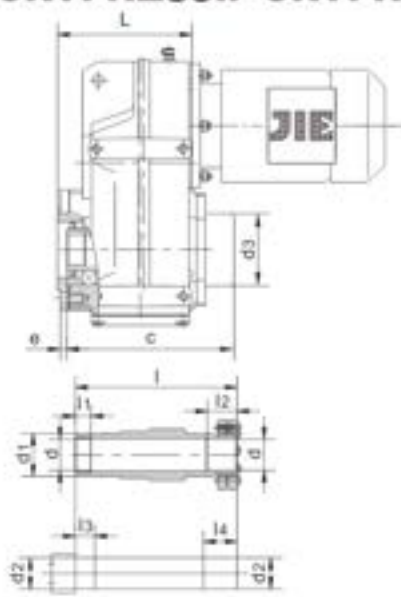
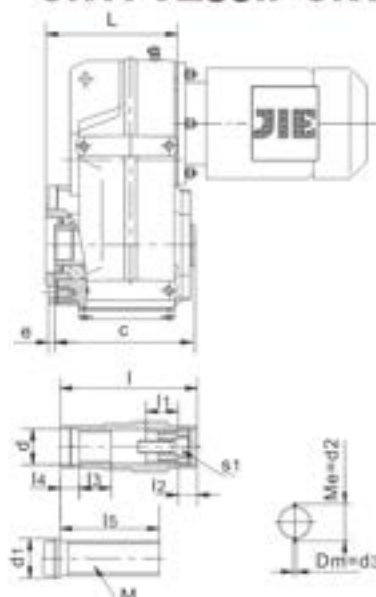
JRTFHF39..~JRTFHF159..**JRTFVF39..~JRTFVF109..**

flange form



Model	flange form	a b	c e	f g	l	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	l ₇	d	d ₁	d ₂	d ₃	s	m	H J	L R	M N Q
JRTFH39...	Fig.1	160	3.5	130	24	166	146	20	31	25	36	-	30H7	45	30h6	80	-	-	248	138	73.5
JRTFVF39...		110j6	10	9		122	120	25	18	25	18	85	37 ^{+0.1} ₀	≥42	2.75	33.03 ^{±0.08}	M10X30	30X1.25 X30X22	165	0	112 120
JRTFH49...	Fig.1	200	3.5	165	25	197	177	20	32	25	37	-	35H7	50	35h6	88	-	-	270.5	162	77.5
JRTFVF49...		130j6	12	11		152	150	32	18	32	18	115	37 ^{+0.1} ₀	≥42	4	38.92 ^{±0.08}	M10X30	35X2X 30X16	180	0	128.1 120
JRTFH59...	Fig.1	250	4	215	23.5	221	195	20	26	25	31	-	40H7	55	40h6	100	-	-	315	177	92.5
JRTFVF59...		180j6	15	13.5		168	166	32	18	32	18	130	37 ^{+0.1} ₀	≥42	4	38.92 ^{±0.08}	M10X30	35X2X 30X16	200	0	136 160
JRTFH69...	Fig.1	250	4	215	23	235	208	20	38	25	43	-	40H7	55	40h6	100	-	-	340	188	95.5
JRTFVF69...		180j6	15	13.5		180	180	42	25	42	25	130	47 ^{+0.1} ₀	≥52	4	48.85 ^{±0.08}	M16X50	45X2X 30X21	212	0	159.5 160
JRTFH79...	Fig.1	300	4	265	37	284	241	30	36	35	41	-	50H7	70	50h6	124	-	-	423	234	115.5
JRTFVF79...		230h6	16	13.5		210	210	52	23	52	23	160	55 ^{+0.1} ₀	≥62	4	54.13 ^{±0.08}	M16X50	50X2X 30X24	270	0	200 200
JRTFH89...	Fig.1	350	5	300	30	322	281	40	41	45	46	-	65H7	85	65h6	165	-	-	523.5	259	145.5
JRTFVF89...		250h6	18	17.5		240	240	62	25	62	25	180	72 ^{+0.1} ₀	≥82	4	68.96 ^{±0.08}	M20X60	65X2X 30X31	330	0	246.7 250
JRTFH99...	Fig.2	450	5	400	41.5	379	345	50	55	55	60	-	75H7	95	75h6	200	-	-	619	321	173.5
JRTFVF99...		350h6	22	17.5		300	300	72	25	72	25	240	72 ^{+0.1} ₀	≥90	4	74.15 ^{±0.08}	M20X60	70X2X 30X34	400	0	285 300
JRTFH109...	Fig.2	450	5	400	41	424	405	60	65	70	75	-	95H7	118	95h6	196	-	-	717	358	200
JRTFVF109...		350h6	22	17.5		353	350	89	26	89	26	290	90 ^{+0.1} ₀	≥105	6	90.99 ^{±0.08}	M20X60	85X3X 30X27	450	0	332.4 350
JRTFH129...	Fig.2	550	5	500	51	509	485	70	85	80	95	-	105H7	135	105h6	229	-	-	856	429	236
		450h6	25	17.5															530	10	382.6 450
JRTFH159...	Fig.2	660	6	600	60	610	580	80	90	90	100	-	125H7	155	125h6	275	-	-	1021	521	286
		550h6	28	22															660	15	447 550
JRTFH169...	Fig.2	660	6	600	54	667	645	90	122	100	130	-	见图	190	见图	315	-	-	1038	536	282.5
		550h6	31	22															706	0	451.5 550

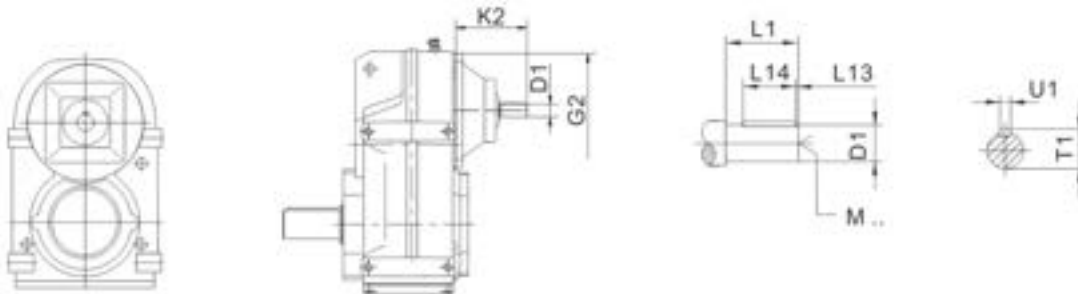
JRTFVF...Spline shaft is a cording to DIN standard .If you need GB or ISO standard . Please contact with us.

JRTFAZ39..~JRTFAZ159..**JRTF..Z39..****JRTF..Z49..****JRTF..Z59.., JRTF..Z69..****JRTF..Z79..****JRTF..Z89..****JRTF..Z99..****JRTFHZ39..~JRTFHZ159..****JRTFVZ39..~JRTFVZ109..**



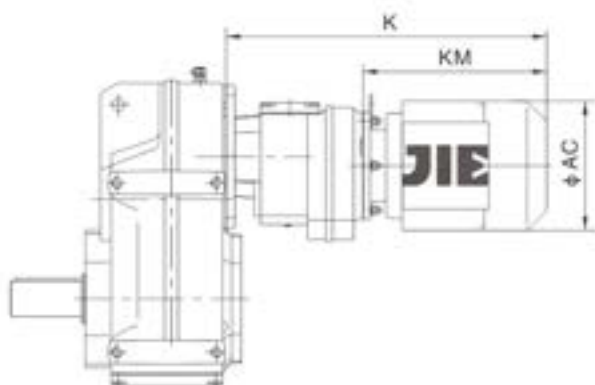
Model	a	b	e	h	D	L R	L ₁	L ₂	L ₃	Q	m	J	N	c	
JRTFAZ39. JRTFHZ39. JRTFVZ39.	110	80j6	9	73.5	9	122	11.5	3	11	120	M8	165	112	123	
0						166									
						122									
JRTFAZ49. JRTFHZ49. JRTFVZ49.	120	80j6	8	77.5	9	144	11	3	11	120	M8	180	128.1	153	
0						197									
						152									
JRTFAZ59. JRTFHZ59. JRTFVZ59.	155	105j6	9	92.5	13.5	162	12	3.5	17	160	M12	200	136	170	
0						221									
						168									
JRTFAZ69. JRTFHZ69. JRTFVZ69.	155	105j6	8.5	95.5	13.5	173	12	3.5	17	160	M12	212	159.5	184	
0						235									
						180									
JRTFAZ79. JRTFHZ79. JRTFVZ79.	170	125j6	10	115.5	13.5	206	14	3.5	17	200	M12	270	200	213	
0						284									
						210									
JRTFAZ89. JRTFHZ89. JRTFVZ89.	215	155j6	11	145.5	17.5	239	15	4	26	250	M16	330	246.7	243	
0						322									
						240									
JRTFAZ99. JRTFHZ99. JRTFVZ99.	260	180j6	14	173.5	17.5	292	18	4	26	300	M16	400	285	303	
0						379									
						300									
JRTFAZ109. JRTFHZ109. JRTFVZ109.	304	210j6	8	200	22	312	22	4	28	350	M20	450	332.4	353	
0						424									
						353									
JRTFAZ129. JRTFHZ129.	350	250j6	5	236	22	377.5	30	5	28	450	M20	530	382.6	413	
10						509									
JRTFHAZ159. JRTFHZ159.	400	290j6	14	286	26	455	28	5	36	550	M24	660	447	503	
15						610									
Model	l	h	l ₂	b	l ₄	l ₅	d	d ₁	d ₂	d ₃	U	T	S	S ₁	M
JRTFAZ39.	120	105	0.68in	-	-	-	Φ1.250inH7	45	-	-	0.250in	1.37in	7/16-14x1.00in	-	-
JRTFHZ39.	146	20	1.22	25	36	-	Φ30mmH7	45	30h6	80	-	-	-	-	-
JRTFVZ39.	120	25	0.71	25	18	85	Φ37mm+0.1	> 42	33.03 ^{+0.03}	2.25	-	-	-	M10X30	30X1.25X30X22
JRTFAZ49.	150	132	0.63in	-	-	-	Φ1.375inH7	50	-	-	0.3155in	1.53in	1/2-13x1.00in	-	-
JRTFHZ49.	177	20	1.26	25	37	-	Φ35mmH7	50	35h6	88	-	-	-	-	-
JRTFVZ49.	150	32	0.71	32	18	115	Φ37mm+0.1	> 42	38.92 ^{+0.03}	4	-	-	-	M10X30	35X2X30X16
JRTFAZ59.	166	142	1.39in	-	-	-	Φ1.500inH7	55	-	-	0.375in	1.67in	5/8-11x1.75in	-	-
JRTFHZ59.	195	20	1.02	25	31	-	Φ40mmH7	55	40h6	100	-	-	-	-	-
JRTFVZ59.	166	32	0.71	32	18	130	Φ37mm+0.1	> 42	38.92 ^{+0.03}	4	-	-	-	M10X30	35X2X30X16
JRTFAZ69.	180	156	1.4in	-	-	-	Φ1.500inH7	55	-	-	0.375in	1.67in	5/8-11x1.75in	-	-
JRTFHZ69.	208	20	1.50	25	43	-	Φ40mmH7	55	40h6	100	-	-	-	-	-
JRTFVZ69.	180	42	0.98	42	25	130	Φ47mm+0.1	> 52	48.85 ^{+0.03}	4	-	-	-	M16X50	45X2X30X21
JRTFAZ79.	210	183	1.19in	-	-	-	Φ2.000inH7	70	-	-	0.500in	2.24in	5/8-11x1.75in	-	-
JRTFHZ79.	241	30	1.42	35	41	-	Φ50mmH7	70	50h6	124	-	-	-	-	-
JRTFVZ79.	210	52	0.91	52	23	160	Φ55mm+0.1	> 62	54.13 ^{+0.03}	4	-	-	-	M16X50	50X2X30X24
JRTFAZ89.	240	210	1.42in	-	-	-	Φ2.375inH7	85	-	-	0.625in	2.67in	3/4-10x2.00in	-	-
JRTFHZ89.	281	40	1.61	45	46	-	Φ65mmH7	85	65h6	165	-	-	-	-	-
JRTFVZ89.	240	62	0.98	62	25	180	Φ72mm+0.1	> 82	68.96 ^{+0.04}	4	-	-	-	M20X60	65X2X30X31
JRTFAZ99.	300	270	1.28in	-	-	-	Φ2.750inH7	95	-	-	0.625in	3.05in	3/4-10x2.00in	-	-
JRTFHZ99.	345	50	2.17	55	60	-	Φ75mmH7	95	75h6	200	-	-	-	-	-
JRTFVZ99.	300	72	0.98	72	25	240	Φ72mm+0.1	> 90	74.15 ^{+0.04}	4	-	-	-	M20X60	70X2X30X34
JRTFAZ109.	350	313	1.27in	-	-	-	Φ3.625inH7	118	-	-	0.875in	3.89in	3/4-10x2.00in	-	-
JRTFHZ109.	405	60	2.56	70	75	-	Φ95mmH7	118	95h6	196	-	-	-	-	-
JRTFVZ109.	350	89	1.02	89	26	290	Φ90mm+0.1	> 105	90.99 ^{+0.04}	6	-	-	-	M24X60	85X30X30X27
JRTFAZ129.	410	373	1.27in	-	-	-	Φ4.000inH7	135	-	-	1.000in	4.46in	1-8x2.25in	-	-
JRTFHZ129.	485	70	3.35	80	95	-	Φ105mmH7	135	105h6	229	-	-	-	M24X60	-
JRTFAZ159.	500	460	1.02in	-	-	-	Φ4.500inH7	155	-	-	1.000in	4.95in	1-8x2.25in	-	-
JRTFHZ159.	580	80	3.54	90	100	-	Φ155mmH7	155	125h6	275	-	-	-	M24X60	-

JRTFVZ...Spline shaft is a cording to DIN standard .If you need GB or ISO standard . Please contact with us.

JRTF..AD..

		G2	K2	D1	L1	L13	L14	T1	U1	M
JRTF..39	AD1	120	102	16 k6	40	4	32	18	5	M5
JRTF..49	AD2		130	19 k6	40	4	32	21.5	6	M6
JRTF..59	AD2	160	123	19 k6	40	4	32	21.5	6	M6
JRTF..69	AD3		159	24 k6	50	5	40	27	8	M8
JRTF..79	AD2	200	116	19 k6	40	4	32	21.5	6	M6
	AD3		151	24 k6	50	5	40	27	8	M8
	AD4		224	38 k6	80	5	70	41	10	M12
JRTF..89	AD2	250	111	19 k6	40	4	32	21.5	6	M6
	AD3		156	28 k6	60	5	50	31	8	M10
	AD4		219	38 k6	80	5	70	41	10	M12
	AD5		292	42 k6	110	10	70	45	12	M16
JRTF..99	AD3	300	151	28 k6	60	5	50	31	8	M10
	AD4		214	38 k6	80	5	70	41	10	M12
	AD5		287	42 k6	110	10	70	45	12	M16
	AD6		327	48 k6	110	10	80	51.5	14	M16
JRTF..109	AD3	350	145	28 k6	60	5	50	31	8	M10
	AD4		208	38 k6	80	5	70	41	10	M12
	AD5		281	42 k6	110	10	70	45	12	M16
	AD6		321	48 k6	110	10	80	51.5	14	M16
JRTF..129	AD4	450	193	38 k6	80	5	70	41	10	M12
	AD5		266	42 k6	110	10	70	45	12	M16
	AD6		306	48 k6	110	10	80	51.5	14	M16
	AD7		300	55 m6	110	10	90	59	16	M20
	AD8		383	70 m6	140	15	110	74.5	20	M20
JRTF..159	AD5	550	258	42 k6	110	10	70	45	12	M16
	AD6		298	48 k6	110	10	80	51.5	14	M16
	AD7		292	55 m6	110	10	90	59	16	M20
	AD8		374	70 m6	140	15	110	74.5	20	M20

JRTF..R..



		AC	K	KM
JRTF..39R19 JRTF..49R19	DN63	120	373	198
	DN71	135	403	228
	DN80	156	454	279
JRTF..59R39	DN63	120	363	198
	DN71	135	393	228
	DN80	156	444	279
JRTF..69R39	DN63	120	363	198
	DN71	135	393	228
	DN80	156	444	279
	DN90	175	456	291
JRTF..79R39	DN63	120	355	198
	DN71	135	385	228
	DN80	156	436	279
	DN90	175	448	291
JRTF..89R59	DN63	120	408	192
	DN71	135	437	221
	DN80	156	488	272
	DN90	175	500	284
	DN100	198	575	359
JRTF..99R59	DN63	120	403	192
	DN71	135	432	221
	DN80	156	483	272
	DN90	175	495	284
	DN100	198	570	359
JRTF..109R79	DN112M	221	603	392
	DN63	120	433	186
	DN71	135	461	214
	DN80	156	512	265
	DN90	175	524	277
	DN100	198	599	352

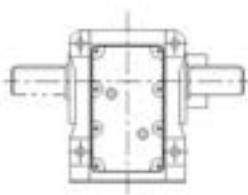
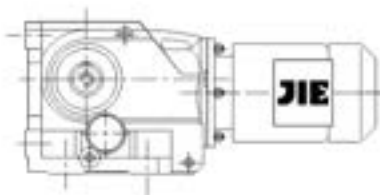
		AC	K	KM
JRTF..109R79	DN112M	221	628	383
	DN132S	221	628	383
	DN132M	263	708	463
	DN160	314	755	508
JRTF..129R79	DN63	120	418	186
	DN71	135	446	214
	DN80	156	497	265
	DN90	175	509	277
	DN100	198	584	352
	DN112M	221	613	383
	DN132S	221	613	383
	DN132M	263	693	463
JRTF..129R89	DN160	314	740	508
	DN80	156	540	260
	DN90	175	552	272
	DN100	198	627	347
	DN112M	221	656	378
	DN132S	221	656	378
	DN132M	263	736	458
	DN160	314	783	503
JRTF..159R99	DN180M	355	904	624
	DN180L	355	952	672
	DN90	175	592	267
	DN100	198	667	342
	DN112M	221	696	373
	DN132S	221	696	373
	DN132M	263	776	453
	DN160	314	823	498
JRTF..159R99	DN180M	355	944	619
	DN180L	355	992	667
	DN200L	397	1005	680

Notes: The dimension of motor in the above table is only for reference. If you have special require, pls consult us.

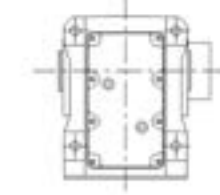
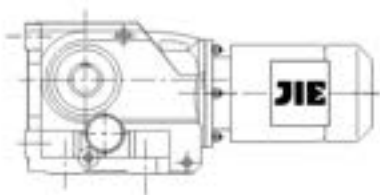
VIII. JRTK Helical Bevel Gearmotor

1. Versions of JIE gearmotor

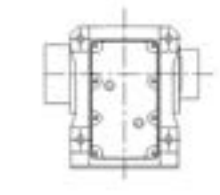
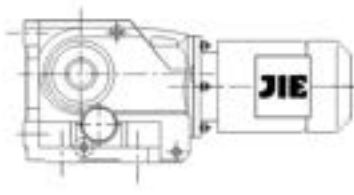
The following types of helical-bevel geared motor can be supplied.



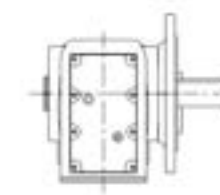
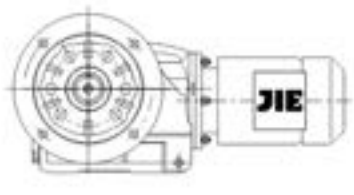
JRTK..D..
Foot-mounted



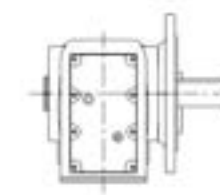
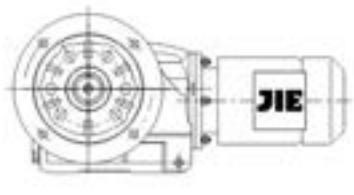
JRTKA..B D..
Foot-mounted with hollow shaft.



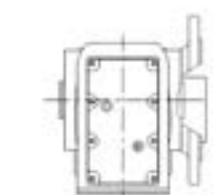
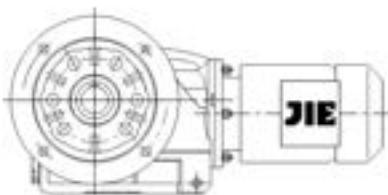
JRTKV..B D..
Foot-mounted with hollow shaft and splined
hollow shaft to DIN 5480.



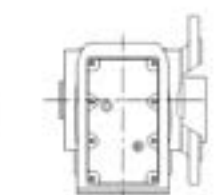
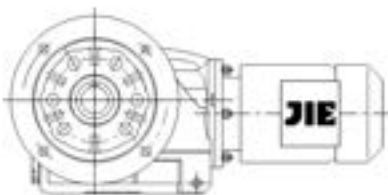
JRTKH..B D..
Foot-mounted with hollow shaft and shrink disk.



JRTKF..D..
B5 flange-mounted version

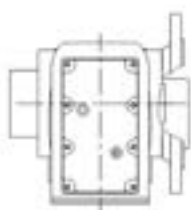
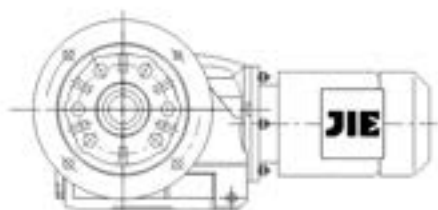


JRTKAF..D..
B5 flange-mounted version with hollow shaft.



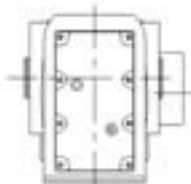
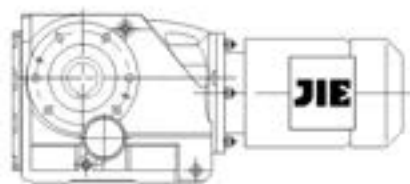
JRTKVF..D..
B5 flange-mounted version with hollow shaft and
splined hollow shaft to DIN 5480.





JRTKHF..D..

B5 flange-mounted version with hollow shaft and shrink disk

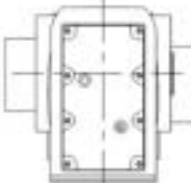
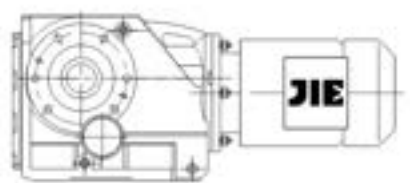


JRTKA..D..

hollow shaft.

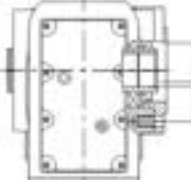
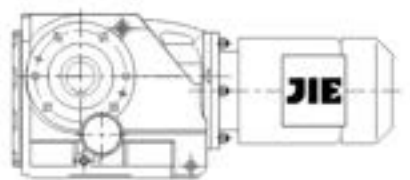
JRTKV..D..

hollow shaft and splined hollow shaft to DIN 5480.



JRTKH..D..

hollow shaft and shrink disk.

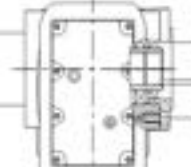
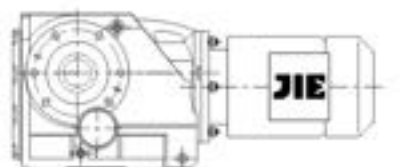


JRTKAZ..D..

B14 flange-mounted version with hollow shaft.

JRTKVZ..D..

B14 flange mounted version with hollow shaft and splined hollow to DIN 5480.



JRTKHZ..D..

B14 flange mounted version with hollow shaft and shrink disk.

2. Type of Combination

The below is combination table between gear box and electromotor in each list the ratio range.

Type	Motor power hp	Stages	0.16-0.50	0.75-1	1.5-2	3-4	5	7.5	10
JRTK/KF/KA/KAF39		3	3.98-106.38	3.98-83.69	3.98-24.99 29.96-72.54	3.98-10.49 13.08-20.19 29.96-58.60			
JRTK/KF/KA/KAF49		3	7.36-11.77 13.65-31.30 39.61-131.87	4.64-104.37	4.64-90.86	4.64-21.81 25.91 35.39-63.30 75.20			
JRTK/KF/KA/KAF59		3	9.59-11.92 19.34-35.70 48.89-145.14	7.55-11.92 15.22-123.85	4.69-108.29	4.69-90.26	4.69-30.28 38.49-76.56		
JRTK/KF/KA/KAF69		3	10.63-12.48 19.30-35.62 48.77-144.79	8.37-12.48 15.19-123.54	5.2-108.03	5.2-90.04	5.2-30.22 38.39-76.37	5.2-24.00 38.39-60.66	5.2-24.00 38.39-60.66
JRTK/KF/KA/KAF79		3	25.62-38.39 64.75-192.18	10.84-12.36 20.25-38.39 51.18-154.02	7.24-135.28	7.24-113.56	7.24-97.05	7.24-30.89 40.04-78.07	7.24-30.89 40.04-78.07
JRTK/KF/KA/KAF89		3		16.00 27.88-31.39 70.46-197.37	11.17 16.00 19.45-31.39 49.16-174.19	8.29-11.17 14.45-147.32	8.29-11.17 14.45-126.91	7.21-102.71	7.21-102.71
JRTK/KF/KA/KAF99		3			24.75-38.30 62.55-176.05	18.96-38.30 47.93-176.05	18.96-38.30 47.93-153.21	8.71-123.93	8.71-123.93
JRTK/KF/KA/KAF109		3				13.43 22.62-29.00 32.69 57.17-143.47	13.43 22.62-29.00 32.69 57.17-143.47	8.69-29.00 32.69-143.47	8.69-29.00 32.69-143.47
JRTK/KF/KA/KAF129		3							12.79 21.15-36.25 47.82-146.07

Type	Motor power hp	Stages	12.3	15	20	25-30	40
JRTK/KF/KA/KAF79		3	7.24-23.08 40.04-58.34	7.24-23.08 40.04-58.34			
JRTK/KF/KA/KAF89		3	7.21-79.34	7.21-79.34	7.21-79.34	7.21-14.45 17.42-24.92 36.52-63.00	
JRTK/KF/KA/KAF99		3	8.71-96.80	8.71-96.80	8.71-96.80	8.71-30.82 41.87-77.89	8.71-24.75 41.87-62.55
JRTK/KF/KA/KAF109		3	8.69-112.41	8.69-112.41	8.69-112.41	8.69-90.96	8.69-31.28 37.00-73.30
JRTK/KF/KA/KAF129		3	10.74-12.79 17.77-136.14	10.74-12.79 17.77-136.14	10.74-12.79 17.77-136.14	8.68-110.18	8.68-89.89
JRTK/KF/KA/KAF159		3		18.37-31.30 46.79-150.41	18.37-31.30 46.79-150.41	14.92-122.39	12.65-100.22
JRTK/KH169		3		24.52-32.25 51.77-164.50	24.52-32.25 51.77-164.50	20.32-32.25 42.89-134.99	17.34-109.83
JRTK/KH189		3		33.23-42.51 88.00-179.86	33.23-42.51 88.00-179.86	27.92-42.51 73.96-179.86	17.18-179.86

Type	Motor power hp	Stages	50-60	75	100-125	150-200	250-300
JRTK/KF/KA/KAF109		3	8.69-31.28 37.00-73.30				
JRTK/KF/KA/KAF129		3	8.68-89.89	8.68-31.37 40.19-70.95	8.68-31.37 40.19-70.95		
JRTK/KF/KA/KAF159		3	12.65-100.22	12.65-79.75	12.65-79.75	12.65-23.95 38.02-61.02	12.65-18.37 38.02-46.79
JRTK/KH169		3	17.34-109.83	17.34-87.86	17.34-87.86	17.34-68.07	17.34-24.52 36.61-51.77
JRTK/KH189		3	17.18-179.86	17.18-144.59	17.18-144.59	17.18-112.60	17.18-33.23 45.50-88.00



3. 传动比与最大扭矩 Ratio and Max Torque

JRTK39-59 $n_g=1700$ r/min

JRTK39 1760lbf·in				
i	n_s [r/min]	M_{amax} lbf·in	F_{R2} lbf	AD
106.38	16	1760	1270	AD1
97.81	17	1760	1270	
83.69	20	1760	1210	
72.54	23	1760	1140	
67.80	25	1760	1100	
58.60	29	1760	1030	
49.79	34	1760	960	
44.46	38	1760	900	
37.97	45	1760	840	AD2
35.57	48	1760	810	
29.96	57	1760	745	
28.83	59	1760	730	
24.99	68	1760	675	
23.36	73	1720	660	
20.19	84	1630	630	
17.15	99	1590	590	
15.31	111	1540	565	
13.08	130	1450	535	
12.14	140	1410	525	
10.49	162	1410	485	
8.91	191	1410	445	
7.96	214	1370	425	
6.80	250	1320	395	
6.37	267	1280	390	
5.36	317	1230	365	
3.98	427	1100	335	

JRTK49 3530lbf·in				
i	n_s [r/min]	M_{amax} lbf·in	F_{R2} lbf	AD
131.87	13	3530	1330	AD2
121.48	14	3530	1330	
104.37	16	3530	1330	
90.86	19	3530	1330	
85.12	20	3530	1330	
75.20	23	3530	1330	
69.84	24	3530	1330	
63.30	27	3530	1330	
56.83	30	3530	1330	
48.95	35	3530	1330	
46.03	37	3530	1330	
39.61	43	3530	1310	
35.39	48	3530	1240	
31.30	54	3530	1160	
29.32	58	3530	1120	
25.91	66	3530	1050	
24.06	71	3530	1000	AD3
21.81	78	3530	950	
19.58	87	3530	890	
16.86	101	3360	850	
15.86	107	3360	820	
13.65	125	3180	780	
12.19	139	3090	745	
11.77	144	2470	820	
10.56	161	2470	775	
9.10	187	2470	715	
8.56	199	2380	705	
7.36	231	2210	685	
6.58	258	2120	660	
5.81	293	2030	635	
4.64	366	1810	605	

JRTK59 5300lbf·in				
i	n_s [r/min]	M_{amax} lbf·in	F_{R2} lbf	AD
145.14	12	5300	1720	AD2
123.85	14	5300	1720	
108.29	16	5300	1720	
102.88	17	5300	1720	
90.26	19	5300	1720	
76.56	22	5300	1720	
69.12	25	5300	1720	
60.81	28	5300	1720	
57.42	30	5300	1720	
48.89	35	5300	1720	
44.43	38	5300	1720	
38.49	44	5300	1680	
35.70	48	5300	1620	
30.28	56	5300	1480	
27.34	62	5300	1400	
24.05	71	5300	1310	AD3
22.71	75	5300	1270	
19.34	88	5080	1190	
17.57	97	4910	1160	
15.22	112	4730	1090	
13.25	128	4510	1050	
11.92	143	3670	1040	
11.26	151	3670	1010	
9.59	177	3580	940	
8.71	195	3450	910	
7.55	225	3220	880	
6.57	259	3050	850	
4.69	362	2650	770	

JRTK69-89 $n_g=1700$ r/min

JRTK69		7250lbf·in		
i	n_a [r/min]	M_{amax} lbf·in	F_{Ra} lbf	AD
144.79	12	7250	2320	AD2
123.54	14	7250	2320	
108.03	16	7250	2320	
102.62	17	7250	2320	
90.04	19	7250	2320	
76.37	22	7250	2320	
68.95	25	7250	2320	
60.66	28	7250	2320	
57.28	30	7250	2320	
48.77	35	7250	2320	
44.32	38	7250	2320	
38.39	44	7070	2360	
35.62	48	7250	2320	AD3
30.22	56	7250	2320	
27.28	62	7250	2320	
24.00	71	7070	2360	
22.66	75	6900	2390	
19.30	88	6720	2430	
17.54	97	6540	2470	
15.19	112	6190	2530	
13.22	129	5920	2560	
12.48	136	4680	2570	
10.63	160	4420	2460	
9.86	176	4240	2390	
8.37	203	3890	2320	
7.28	234	3710	2230	
5.20	327	3090	2060	

JRTK79		13700lbf·in		
i	n_a [r/min]	M_{amax} lbf·in	F_{Ra} lbf	AD
192.18	8.8	12800	3610	AD2
179.37	9.5	12800	3610	
154.02	11	13700	3460	
135.28	13	13700	3460	
128.52	13	13700	3460	
113.56	15	13700	3460	
97.05	18	13700	3460	
88.97	19	13700	3460	
78.07	22	13700	3460	
73.99	23	13700	3460	
64.75	26	13700	3460	
58.34	29	13700	3460	
51.18	33	13700	3460	AD3
45.16	38	13700	3460	
40.04	42	13700	3460	
38.39	44	13200	3530	
35.20	48	13700	3460	AD4
30.89	55	13700	3460	
29.27	58	13700	3460	
25.62	66	13700	3460	
23.08	74	13700	3460	
20.25	84	13200	3460	
17.87	95	12800	3330	
15.84	107	12300	3210	
13.52	126	11800	3060	
12.36	138	8840	3140	
10.84	157	8750	2990	
9.56	178	8310	2890	
8.48	200	7870	2810	AD5
7.24	235	7250	2710	

JRTK89		23800lbf·in		
i	n_a [r/min]	M_{amax} lbf·in	F_{Ra} lbf	AD
197.37	8.6	23800	6130	AD2
174.19	9.8	23800	6130	
164.34	10	23800	6130	
147.32	12	23800	6130	
126.91	13	23800	6130	
115.82	15	23800	6130	
102.71	17	23800	6130	
86.34	20	23800	6130	
79.34	21	23800	5970	AD3
70.46	24	23800	5670	
63.00	27	23800	5410	
56.64	30	23800	5160	
49.16	35	23800	4840	
44.02	39	23000	4700	
36.52	47	22100	4400	AD4
31.39	54	23800	3930	
27.88	61	23000	3790	
24.92	68	22100	3680	
22.41	76	20300	3680	
19.45	87	20300	3440	
17.42	98	19400	3350	
16.00	106	15900	3290	
14.45	118	18500	3150	
12.56	135	17600	3030	
11.17	152	13200	3080	
10.00	170	13200	2920	AD5
8.29	205	12300	2780	
7.21	236	11500	2720	



JRTK99-129, $n_0 = 1700$ r/min

JRTK99		38000lbf · in			
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD	
176.05	9.7	38000	8990	AD3	
153.21	11	38000	8990		
140.28	12	38000	8990		
123.93	14	38000	8990		
105.13	16	38000	8710		
96.80	18	38000	8420		
86.52	20	38000	8030		
77.89	22	38000	7670		
70.54	24	38000	7350		
62.55	27	38000	6970		
56.55	30	38000	6660	AD4	
47.93	35	38000	6180		
41.87	41	38000	5800		
38.30	44	38000	5560	AD5	
34.23	50	38000	5260		
30.82	55	38000	5000		
27.91	61	38000	4750		
24.75	69	38000	4460		
22.37	78	38000	4230		
18.96	90	38000	3860		
16.56	103	38000	3580		
13.85	123	38000	3220	AD6	
11.99	142	34400	3260		
10.41	163	25300	3320	AD5	
8.71	195	23500	3200	AD6	

JRTK109		70700lbf · in			
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD	
143.47	12	70700	13600	AD4	
121.46	14	70700	12600		
112.41	15	70700	12100		
100.75	17	70700	11500		
90.96	19	70700	10900		
82.61	21	70700	10300		
73.30	23	70700	9680		
66.52	26	70700	9150		
57.17	30	70700	8360		
49.90	34	69300	7840		
42.33	40	65100	7580	AD5	
37.00	46	63700	7130		
32.69	52	63700	6570		
31.28	54	60100	6840		
29.00	59	63700	6040	AD6	
26.32	65	63700	5620		
22.62	75	63700	4970		
19.74	86	63700	4400		
16.75	101	62300	3920		
14.64	116	60900	3600		
13.43	127	38000	6010		
11.73	145	38000	5640		
9.94	171	37000	5290	AD5	
8.69	196	36000	5050		

JRTK129		115000lbf · in			
i	n_a [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD	
146.07	12	115000	17800	AD4	
136.14	12	115000	17800		
122.48	14	115000	17700		
110.18	15	115000	16900		
89.89	19	115000	15500	AD5	
81.98	21	115000	14900		
70.95	24	115000	13900		
62.60	27	115000	13200		
54.07	31	115000	12300		
47.82	36	115000	11600		
40.19	42	115000	10600	AD6	
36.25	47	115000	10100	AD7	
31.37	54	115000	9320		
27.68	61	115000	8710		
23.91	71	115000	7940		
21.15	80	115000	7200	AD8	
17.77	96	115000	6160		
14.35	118	107000	5880		
12.79	133	75400	7190		
10.74	158	70700	6880		
8.68	196	63900	6630		

JRTK159-189, JRTK39R19, JRTK49/59R39 $n_g = 1700$ r/min

JRTK159		159200lbf·in		
i	n_g [r/min]	M_{amax} lbf·in	F_{Ra} lbf	AD
150.41	11	159200	24100	AD5
122.39	14	159200	22100	
100.22	17	159200	20300	
91.65	19	159200	19500	
79.75	21	159200	18300	
70.38	24	159200	17400	
61.02	28	159200	16300	
54.29	31	159200	15400	
46.79	36	159200	14300	AD7
38.02	45	159200	12900	
31.30	54	159200	11700	AD8
27.62	62	159200	10900	
23.95	71	159200	10100	
21.31	80	159200	9450	
18.37	93	159200	8660	
14.92	114	159200	7600	
12.65	134	150400	7300	

JRTK169		283100lbf·in		
i	n_g [r/min]	M_{amax} lbf·in	F_{Ra} lbf	AD
164.50	10	283100	33700	AD5
134.99	13	283100	33700	AD6
109.83	15	283100	33500	
87.86	19	283100	30500	AD7
78.14	22	283100	28900	
68.07	25	283100	27200	
60.74	28	283100	25900	
51.77	33	283100	24100	AD8
42.89	40	283100	22000	
36.61	46	283100	20400	
32.25	53	283100	19100	
28.77	59	283100	18000	
24.52	69	283100	16600	
20.32	84	283100	14900	
17.34	98	283100	13600	

JRTK189		442300lbf·in		
i	n_g [r/min]	M_{amax} lbf·in	F_{Ra} lbf	AD
179.86	9.5	442300	42700	AD6
165.21	10	442300	42700	
144.59	12	442300	40800	
129.69	13	442300	38900	AD7
112.60	15	442300	36600	
102.16	17	442300	35000	
88.00	19	442300	32700	AD8
73.96	23	442300	30200	
64.04	27	442300	28200	
53.36	32	442300	25800	
45.50	37	442300	23700	
42.51	40	442300	22900	
38.57	44	442300	21800	
33.23	51	442300	20000	
27.92	61	442300	18100	
24.18	70	421100	17500	
20.15	84	388400	16900	
17.18	99	366300	16300	

JRTK39R19		1760lbf·in			
i	n_g [r/min]	Stage	M_{amax}	F_{Ra}	
		K39 R19	lbf·in	lbf	
6832	0.25	3	3	1760	1270
5922	0.29	3	3	1760	1270
5491	0.31	3	3	1760	1270
4759	0.36	3	3	1760	1270
4160	0.41	3	3	1760	1270
3645	0.47	3	3	1760	1270
3205	0.53	3	3	1760	1270
2801	0.61	3	3	1760	1270
2454	0.69	3	3	1760	1270
2166	0.78	3	3	1760	1270
1891	0.90	3	3	1760	1270
1660	1.0	3	3	1760	1270
1466	1.2	3	3	1760	1270
1288	1.3	3	3	1760	1270
1136	1.5	3	3	1760	1270
996	1.7	3	2	1760	1270
876	1.9	3	2	1760	1270
761	2.2	3	2	1760	1270
671	2.5	3	2	1760	1270
585	2.9	3	2	1760	1270
512	3.3	3	2	1760	1270
451	3.8	3	2	1760	1270
396	4.3	3	2	1760	1270
346	4.9	3	2	1760	1270
304	5.6	3	2	1760	1270
267	6.4	3	2	1760	1270
234	7.3	3	2	1760	1270
205	8.3	3	2	1760	1270
181	9.4	3	2	1760	1270
160	11	3	2	1760	1270
136	12	3	2	1760	1270
127	13	3	2	1760	1270
110	15	3	2	1760	1270
96	18	3	2	1760	1270

JRTK49R39		3530lbf·in			
i	n_g [r/min]	Stage	M_{amax}	F_{Ra}	
		K49 R39	lbf·in	lbf	
10138	0.17	3	3	3530	1330
9534	0.20	3	3	3530	1330
7662	0.22	3	3	3530	1330
6826	0.25	3	3	3530	1330
5983	0.28	3	3	3530	1330
5159	0.33	3	3	3530	1330
4601	0.37	3	3	3530	1330
3940	0.43	3	3	3530	1330
3477	0.49	3	3	3530	1330
3043	0.56	3	3	3530	1330
2733	0.62	3	3	3530	1330
2354	0.72	3	3	3530	1330
2063	0.82	3	3	3530	1330
1819	0.93	3	3	3530	1330
1586	1.1	3	3	3530	1330
1388	1.2	3	3	3530	1330
1222	1.4	3	2	3530	1330
1097	1.5	3	2	3530	1330
945	1.8	3	2	3530	1330
831	2.0	3	2	3530	1330
718	2.4	3	2	3530	1330
639	2.7	3	2	3530	1330
552	3.1	3	2	3530	1330
495	3.4	3	2	3530	1330
426	4.0	3	2	3530	1330
375	4.5	3	2	3530	1330
327	5.2	3	2	3530	1330
289	5.9	3	2	3530	1330
256	6.6	3	2	3530	1330
225	7.6	3	2	3530	1330
198	8.6	3	2	3530	1330
171	9.9	3	2	3530	1330
153	11	3	2	3530	1330
131	13	3	2	3530	1330
112	15	3	2	3530	1330
99	17	3	2	3530	1330
94	18	3	2	3530	1330

JRTK59R39		5300lbf·in			
i	n_g [r/min]	Stage	M_{amax}	F_{Ra}	
		K59 R39	lbf·in	lbf	
12169	0.14	3	3	5300	1720
11162	0.15	3	3	5300	1720
9503	0.18	3	3	5300	1720
8547	0.20	3	3	5300	1720
7277	0.23	3	3	5300	1720
6478	0.26	3	3	5300	1720
5662	0.30	3	3	5300	1720
5033	0.34	3	3	5300	1720
4340	0.39	3	3	5300	1720
3854	0.44	3	3	5300	1720
3390	0.50	3	3	5300	1720
2924	0.58	3	3	5300	1720
2593	0.66	3	3	5300	1720
2249	0.76	3	3	5300	1720
1986	0.86	3	3	5300	1720
1743	0.98	3	2	5300	1720
1539	1.1	3	2	5300	1720
1354	1.3	3	2	5300	1720
1174	1.4	3	2	5300	1720
1036	1.6	3	2	5300	1720
906	1.9	3	2	5300	1720
806	2.1	3	2	5300	1720
699	2.4	3	2	5300	1720
615	2.8	3	2	5300	1720
544	3.1	3	2	5300	1720
473	3.6	3	2	5300	1720
421	4.0	3	2	5300	1720
362	4.7	3	2	5300	1720
319	5.3	3	2	5300	1720
280	6.1	3	2	5300	1720
246	6.9	3	2	5300	1720
215	7.9	3	2	5300	1720
192	8.9	3	2	5300	1720
166	10	3	2	5300	1720
145	12	3	2	5300	1720
129	13	3	2	5300	1720
111	15	3	2	5300	1720
97	18	3	2	5300	1720



JRTK69/79R39, JRTK89R59

 $n_s = 1700$ r/min

JRTK69R39		7250lbf·in			
i	n_s	Stage		M_{max}	F_{R3}
	[r/min]	K69	R39	lbf·in	lbf
12139	0.14	3	3	7250	2320
11134	0.15	3	3	7250	2320
9479	0.18	3	3	7250	2320
8173	0.21	3	3	7250	2320
7259	0.23	3	3	7250	2320
6462	0.26	3	3	7250	2320
5648	0.30	3	3	7250	2320
4846	0.35	3	3	7250	2320
4329	0.39	3	3	7250	2320
3750	0.45	3	3	7250	2320
3315	0.51	3	3	7250	2320
2917	0.58	3	3	7250	2320
2532	0.67	3	3	7250	2320
2244	0.76	3	3	7250	2320
1981	0.86	3	3	7250	2320
1739	0.98	3	2	7250	2320
1535	1.1	3	2	7250	2320
1351	1.3	3	2	7250	2320
1171	1.5	3	2	7250	2320
1034	1.6	3	2	7250	2320
903	1.9	3	2	7250	2320
793	2.1	3	2	7250	2320
697	2.4	3	2	7250	2320
613	2.8	3	2	7250	2320
542	3.1	3	2	7250	2320
471	3.6	3	2	7250	2320
420	4.0	3	2	7250	2320
361	4.7	3	2	7250	2320
323	5.3	3	2	7250	2320
279	6.1	3	2	7250	2320
246	6.9	3	2	7250	2320
217	7.8	3	2	7250	2320
191	8.9	3	2	7250	2320
166	10	3	2	7250	2320
144	12	3	2	7250	2320
122	14	3	2	7250	2320

JRTK79R39		13700lbf·in			
i	n_s	Stage		M_{max}	F_{R3}
	[r/min]	K79	R39	lbf·in	lbf
15310	0.11	3	3	13700	3460
14043	0.12	3	3	13700	3460
11955	0.14	3	3	13700	3460
10217	0.17	3	3	13700	3460
8809	0.19	3	3	13700	3460
7528	0.23	3	3	13700	3460
6606	0.26	3	3	13700	3460
5774	0.29	3	3	13700	3460
5089	0.33	3	3	13700	3460
4489	0.38	3	3	13700	3460
3961	0.43	3	3	13700	3460
3485	0.49	3	3	13700	3460
2901	0.59	3	3	13700	3460
2717	0.63	3	3	13700	3460
2370	0.72	3	3	13700	3460
2050	0.83	3	2	13700	3460
1772	0.96	3	2	13700	3460
1514	1.1	3	2	13700	3460
1388	1.2	3	2	13700	3460
1218	1.4	3	2	13700	3460
1053	1.6	3	2	13700	3460
924	1.8	3	2	13700	3460
815	2.1	3	2	13700	3460
709	2.4	3	2	13700	3460
622	2.7	3	2	13700	3460
552	3.1	3	2	13700	3460
485	3.5	3	2	13700	3460
428	4.0	3	2	13700	3460
367	4.6	3	2	13700	3460
328	5.2	3	2	13700	3460
290	5.9	3	2	13700	3460
252	6.7	3	2	13700	3460
221	7.7	3	2	13700	3460
195	8.7	3	2	13700	3460
175	9.7	3	2	13700	3460
154	11	3	2	13700	3460

JRTK89R59		23800lbf·in			
i	n_s	Stage		M_{max}	F_{R3}
	[r/min]	K89	R59	lbf·in	lbf
14829	0.11	3	3	23800	6130
13168	0.13	3	3	23800	6130
11737	0.14	3	3	23800	6130
10217	0.17	3	3	23800	6130
9073	0.19	3	3	23800	6130
7854	0.22	3	3	23800	6130
6832	0.25	3	3	23800	6130
5930	0.29	3	3	23800	6130
5240	0.32	3	3	23800	6130
4562	0.37	3	3	23800	6130
4037	0.42	3	3	23800	6130
3609	0.47	3	3	23800	6130
3107	0.55	3	3	23800	6130
2728	0.62	3	3	23800	6130
2371	0.72	3	3	23800	6130
2088	0.81	3	2	23800	6130
1584	0.92	3	2	23800	6130
1657	1.0	3	2	23800	6130
1415	1.2	3	2	23800	6130
1229	1.4	3	2	23800	6130
1078	1.6	3	2	23800	6130
951	1.8	3	2	23800	6130
837	2.0	3	2	23800	6130
726	2.3	3	2	23800	6130
638	2.7	3	2	23800	6130
562	3.0	3	2	23800	6130
474	3.6	3	2	23800	6130
426	4.0	3	2	23800	6130
373	4.6	3	2	23800	6130
330	5.2	3	2	23800	6130
294	5.8	3	2	23800	6130
250	6.8	3	2	23800	6130
236	7.2	3	2	23800	6130
201	8.5	3	2	23800	6130
183	9.3	3	2	23800	6130
159	11	3	2	23800	6130
141	12	3	2	23000	6130



JRTK99R59, JRTK109/129R79 $n_g = 1700$ r/min

JRTK99R59		38000lbf·in			
i	n_g	Stage		M_{amax}	F_{Ra}
	[r/min]	K99	R59	lbf·in	lbf
18091	0.09	3	3	38000	8990
18668	0.10	3	3	38000	8990
14897	0.11	3	3	38000	8990
13182	0.13	3	3	38000	8990
11677	0.15	3	3	38000	8990
10317	0.16	3	3	38000	8990
9083	0.19	3	3	38000	8990
8054	0.21	3	3	38000	8990
6970	0.24	3	3	38000	8990
6027	0.28	3	3	38000	8990
5391	0.32	3	3	38000	8990
4669	0.36	3	3	38000	8990
4082	0.42	3	3	38000	8990
3583	0.47	3	3	38000	8990
3108	0.55	3	3	38000	8990
2757	0.62	3	3	38000	8990
2419	0.70	3	2	38000	8990
2123	0.80	3	2	38000	8990
1856	0.92	3	2	38000	8990
1625	1.0	3	2	38000	8990
1430	1.2	3	2	38000	8990
1261	1.3	3	2	38000	8990
1102	1.5	3	2	38000	8990
957	1.8	3	2	38000	8990
855	2.0	3	2	38000	8990
743	2.3	3	2	38000	8990
652	2.6	3	2	38000	8990
573	3.0	3	2	38000	8990
504	3.4	3	2	38000	8990
437	3.9	3	2	38000	8990
382	4.5	3	2	38000	8990
342	5.0	3	2	38000	8990
305	5.6	3	2	38000	8990
258	6.6	3	2	38000	8990
232	7.3	3	2	38000	8990
199	8.5	3	2	38000	8990

JRTK109R79		70700lbf·in			
i	n_g	Stage		M_{amax}	F_{Ra}
	[r/min]	K109	R79	lbf·in	lbf
14311	0.12	3	3	70700	14600
12211	0.14	3	3	70700	14600
10677	0.16	3	3	70700	14600
9524	0.18	3	3	70700	14600
8328	0.20	3	3	70700	14600
7270	0.23	3	3	70700	14600
6184	0.27	3	3	70700	14600
5662	0.30	3	3	70700	14600
5138	0.33	3	3	70700	14600
4359	0.39	3	3	70700	14600
3810	0.45	3	3	70700	14600
3358	0.51	3	3	70700	14600
2977	0.57	3	3	70700	14600
2599	0.65	3	3	70700	14600
2286	0.74	3	3	70700	14600
1939	0.88	3	3	70700	14600
1713	0.99	3	2	70700	14600
1554	1.1	3	2	70700	14600
1336	1.3	3	2	70700	14600
1166	1.5	3	2	70700	14600
1030	1.7	3	2	70700	14600
904	1.9	3	2	70700	14600
793	2.1	3	2	70700	14600
696	2.4	3	2	70700	14600
615	2.8	3	2	70700	14600
522	3.3	3	2	70700	14600
461	3.7	3	2	70700	14600
408	4.2	3	2	70700	14600
364	4.7	3	2	70700	14600
318	5.3	3	2	70700	14600
286	5.9	3	2	70700	14600
251	6.8	3	2	70700	14600
222	7.7	3	2	70700	14600
196	8.7	3	2	70700	14600
174	9.8	3	2	63700	14600
154	11	3	2	63700	14600
140	12	3	2	63700	14100

JRTK129R79		115000lbf·in			
i	n_g	Stage		M_{amax}	F_{Ra}
	[r/min]	K129	R79	lbf·in	lbf
17550	0.10	3	3	115000	17800
16006	0.11	3	3	115000	17800
14975	0.11	3	3	115000	17800
12440	0.14	3	3	115000	17800
10915	0.16	3	3	115000	17800
9819	0.17	3	3	115000	17800
8443	0.20	3	3	115000	17800
7482	0.23	3	3	115000	17800
6565	0.26	3	3	115000	17800
5804	0.29	3	3	115000	17800
5027	0.34	3	3	115000	17800
4423	0.38	3	3	115000	17800
3889	0.44	3	3	115000	17800
3311	0.51	3	3	115000	17800
3009	0.56	3	3	115000	17800
2607	0.65	3	3	115000	17800
2268	0.75	3	3	115000	17800
1926	0.88	3	2	115000	17800
1757	0.97	3	2	115000	17800
1541	1.1	3	2	115000	17800
1342	1.3	3	2	115000	17800
1177	1.4	3	2	115000	17800
1025	1.7	3	2	115000	17800
899	1.9	3	2	115000	17800
790	2.2	3	2	115000	17800
704	2.4	3	2	115000	17800
610	2.8	3	2	115000	17800
549	3.1	3	2	115000	17800
477	3.6	3	2	115000	17800
418	4.1	3	2	115000	17800



JRTK129R89, JRTK159R99, JRTK159R109 $n_s = 1700$ r/min

JRTK129R89 115000lbf·in					
i	n_s	Stage		M_{amax}	F_{Ra}
[r/min]		K129	R89	lbf·in	lbf
536	3.2	3	2	115000	17800
473	3.6	3	2	115000	17800
418	4.1	3	2	115000	17800
367	4.6	3	2	115000	17800
330	5.2	3	2	115000	17800
287	5.9	3	2	115000	17800
253	6.7	3	2	115000	17800
213	8.0	3	2	115000	17800
200	8.5	3	2	106100	17900
166	10	3	2	106100	17900
147	12	3	2	106100	17900

JRTK159R99 159200lbf·in					
i	n_s	Stage		M_{amax}	F_{Ra}
[r/min]		K159	R99	lbf·in	lbf
17679	0.10	3	3	159200	25200
15729	0.11	3	3	159200	25200
14721	0.12	3	3	159200	25200
13097	0.13	3	3	159200	25200
11368	0.15	3	3	159200	25200
10114	0.17	3	3	159200	25200
8718	0.19	3	3	159200	25200
7734	0.22	3	3	159200	25200
6881	0.25	3	3	159200	25200
5931	0.29	3	3	159200	25200
5074	0.34	3	3	159200	25200
4514	0.38	3	3	159200	25200
3979	0.43	3	3	159200	25200
3516	0.48	3	3	159200	25200
3051	0.56	3	3	159200	25200
2610	0.65	3	3	159200	25200
2322	0.73	3	3	159200	25200
2029	0.84	3	3	159200	25200
1805	0.94	3	3	159200	25200
1659	1.0	3	2	159200	25200
1365	1.2	3	2	159200	25200
1229	1.4	3	2	159200	25200
1093	1.6	3	2	159200	25200
942	1.8	3	2	159200	25200
854	2.0	3	2	159200	25200
756	2.2	3	2	159200	25200
661	2.6	3	2	159200	25200
567	3.0	3	2	159200	25200
504	3.4	3	2	159200	25200
434	3.9	3	2	159200	25200
379	4.5	3	2	159200	25200
333	5.1	3	2	159200	25200
291	5.8	3	2	159200	25200

JRTK159R109 159200lbf·in					
i	n_s	Stage		M_{amax}	F_{Ra}
[r/min]		K159	R109	lbf·in	lbf
385	4.4	3	2	159200	25200
325	5.2	3	2	159200	25200
299	5.7	3	2	159200	25200
253	6.7	3	2	159200	25200
230	7.4	3	2	159200	25200
213	8.0	3	2	159200	25200
187	9.1	3	2	159200	25200
157	11	3	2	159200	24500
122	14	3	2	159200	22100
107	16	3	2	159200	20900



JRTK169/189R99, JRTK169/189R109 $n_s=1700$ r/min

JRTK169R99		283100lbf·in			
i	n_s [r/min]	Stage	M_{max} K169 R99 lbf·in	F_{Ra} lbf	
19723	0.09	3	3	283100	33700
17406	0.10	3	3	283100	33700
15000	0.11	3	3	283100	33700
13238	0.13	3	3	283100	33700
11573	0.15	3	3	283100	33700
10264	0.17	3	3	283100	33700
8628	0.20	3	3	283100	33700
6562	0.26	3	3	283100	33700
5355	0.32	3	3	283100	33700
4788	0.36	3	3	283100	33700
4079	0.42	3	3	283100	33700
3376	0.50	3	3	283100	33700
2755	0.62	3	3	283100	33700
2263	0.75	3	3	283100	33700
2182	0.78	3	2	283100	33700
1704	1.00	3	2	283100	33700
1408	1.2	3	2	283100	33700
1296	1.3	3	2	283100	33700
1101	1.5	3	2	283100	33700
944	1.8	3	2	283100	33700
843	2.0	3	2	283100	33700
757	2.2	3	2	283100	33700
632	2.7	3	2	283100	33700
561	3.0	3	2	283100	33700
481	3.5	3	2	283100	33700
423	4.0	3	2	283100	33700
369	4.6	3	2	283100	33700

JRTK189R109		50000Nm	
i	n_s [1/min]	M_{max} [Nm]	F_{Ra} [N]
835	2.0	442300	42700
729	2.3	442300	42700
622	2.7	442300	42700
520	3.3	442300	42700
454	3.7	442300	42700
355	4.8	442300	42700
261	6.5	442300	42700
221	7.7	442300	42700
193	8.8	442300	42700
163	10	442300	42700

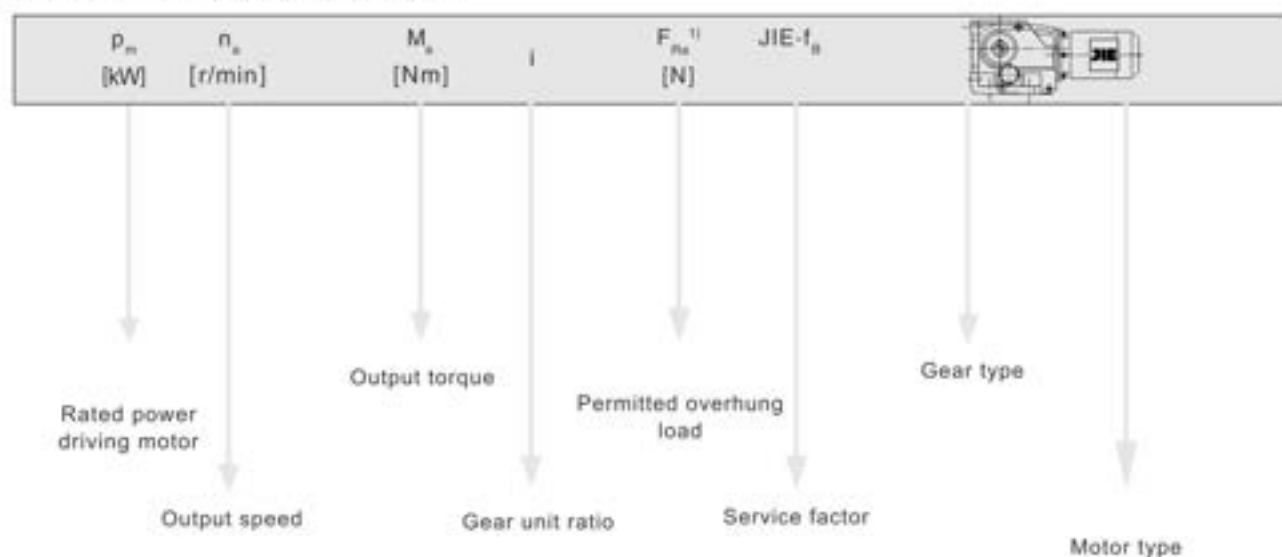
JRTK169R109		283100lbf·in			
i	n_s [r/min]	Stage	M_{max} K169 R109 lbf·in	F_{Ra} lbf	
318	5.3	3	2	283100	33700
278	6.1	3	2	283100	33700
244	7.0	3	2	283100	33700
213	8.0	3	2	283100	33700
206	8.3	3	2	283100	33700
180	9.4	3	2	283100	33700
160	11	3	2	283100	33700
135	13	3	2	283100	33700
118	14	3	2	283100	33700

JRTK189R99		442300lbf·in			
i	n_s [r/min]	Stage	M_{max} K189 R99 lbf·in	F_{Ra} lbf	
32625	0.05	3	3	442300	42700
27165	0.06	3	3	442300	42700
24353	0.07	3	3	442300	42700
19144	0.09	3	3	442300	42700
16978	0.10	3	3	442300	42700
14272	0.12	3	3	442300	42700
13116	0.13	3	3	442300	42700
11647	0.15	3	3	442300	42700
10413	0.16	3	3	442300	42700
9363	0.18	3	3	442300	42700
8126	0.21	3	3	442300	42700
7343	0.23	3	3	442300	42700
6747	0.25	3	3	442300	42700
5991	0.28	3	3	442300	42700
5358	0.32	3	3	442300	42700
4817	0.35	3	3	442300	42700
4370	0.39	3	3	442300	42700
2818	0.60	3	3	442300	42700
3609	0.47	3	2	442300	42700
3062	0.56	3	2	442300	42700
2519	0.67	3	2	442300	42700
2268	0.75	3	2	442300	42700
2054	0.83	3	2	442300	42700
1821	0.93	3	2	442300	42700
1605	1.1	3	2	442300	42700
1395	1.2	3	2	442300	42700
1196	1.4	3	2	442300	42700
1046	1.6	3	2	442300	42700
945	1.8	3	2	442300	42700
738	2.3	3	2	442300	42700
621	2.7	3	2	442300	42700
527	3.2	3	2	442300	42700

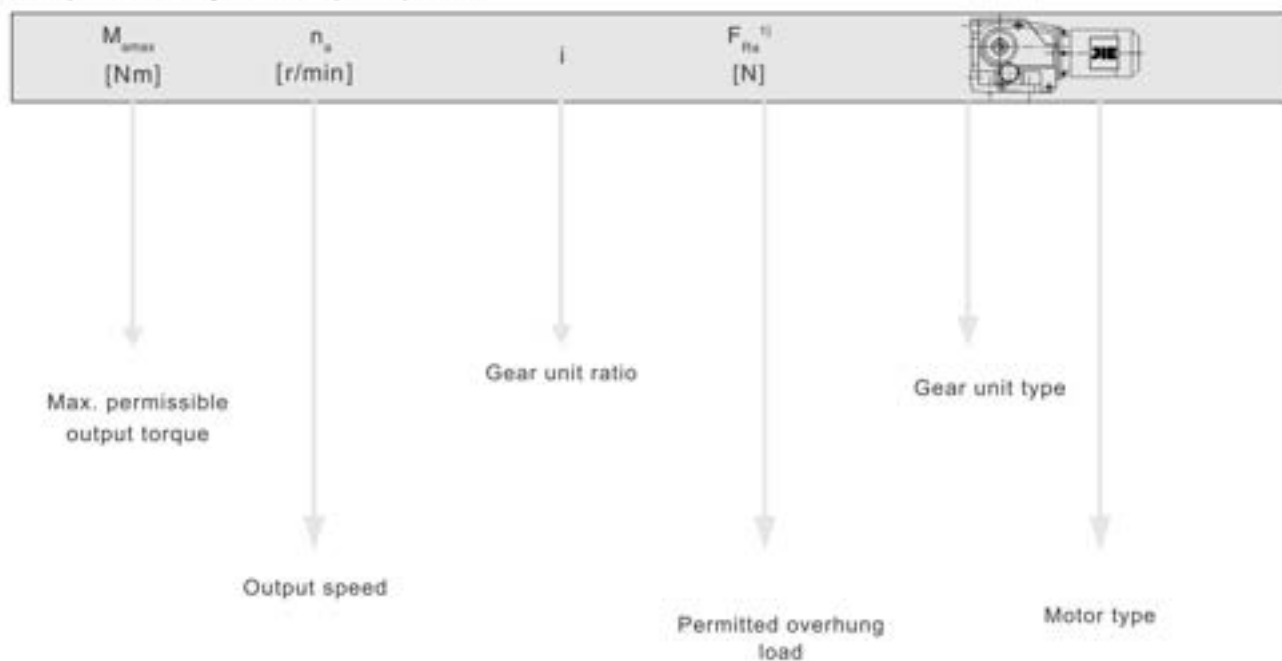


4. Model Selection Table

Structure of the selection tables



For particularly low output speeds



Cutline

1)Overhung load specified for foot-mounted gear unit with solid shaft

Notice:

In drives for particularly low output speeds(multi-stage geared motors),the motor power must be limited according to the maximum permitted output torque of the gear unit.

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R\alpha}$ [lbf]	Service factor f_s	Model
0.16HP					
0.10	74200	17550	18300	1.55	
0.10	67600	16006	18300	1.70	JRTK129R79DN63S4
0.11	63300	14975	18400	1.80	JRTKF129R79DN63S4
0.14	52600	12440	18400	2.2	JRTKA129R79DN63S4
0.15	46100	10915	18500	2.5	JRTKAF129R79DN63S4
0.17	41500	9819	18500	2.8	
0.20	34900	8443	18500	3.3	
0.22	31600	7482	18600	3.6	
0.12	60500	14311	14600	1.15	
0.14	51600	12211	14600	1.35	
0.16	45100	10677	14600	1.55	JRTK109R79DN63S4
0.18	40200	9524	14600	1.75	JRTKF109R79DN63S4
0.20	35200	8328	14600	2.0	JRTKA109R79DN63S4
0.23	30700	7270	14600	2.3	JRTKAF109R79DN63S4
0.27	24700	6184	14600	2.9	
0.30	21000	5662	14600	3.4	
0.33	19000	5138	14600	3.7	
0.39	18000	4359	14600	3.9	
0.24	30200	6970	8990	1.25	
0.28	27700	6027	8990	1.35	
0.31	25500	5391	8990	1.50	JRTK99R59DN63S4
0.36	20700	4669	8990	1.85	JRTKF99R59DN63S4
0.41	18900	4082	8990	2.0	JRTKA99R59DN63S4
0.47	16400	3583	8990	2.3	JRTKAF99R59DN63S4
0.54	14600	3108	8990	2.6	
0.61	12000	2757	8990	3.1	
0.69	11500	2419	8990	3.3	
0.79	9870	2123	8990	3.9	JRTK99R59DN63S4
0.91	8910	1856	8990	4.3	JRTKF99R59DN63S4
1.0	7130	1625	8990	5.3	JRTKA99R59DN63S4
1.2	6030	1430	8990	6.3	JRTKAF99R59DN63S4
1.3	6050	1261	8990	6.3	
1.5	5290	1102	8990	7.2	
0.37	19700	4562	6250	1.20	
0.42	18500	4037	6280	1.30	JRTK89R59DN63S4
0.47	16500	3609	6330	1.45	JRTKF89R59DN63S4
0.54	14200	3107	6380	1.65	JRTKA89R59DN63S4
0.62	11800	2728	6420	2.0	JRTKAF89R59DN63S4
0.71	10500	2371	6440	2.3	
0.80	10000	2088	6450	2.4	
0.91	8900	1854	6470	2.7	
1.0	7960	1657	6480	3.0	JRTK89R59DN63S4
1.2	6730	1415	6490	3.5	JRTKF89R59DN63S4
1.4	5840	1229	6500	4.1	JRTKA89R59DN63S4
1.6	5010	1078	6510	4.8	JRTKAF89R59DN63S4
1.8	4170	951	6520	5.7	
2.0	3530	837	6520	6.8	
2.3	3060	726	6520	7.8	
0.62	12800	2717	3600	1.05	JRTK79R39DN63S4
0.71	10500	2370	3930	1.30	JRTKF79R39DN63S4
					JRTKA79R39DN63S4
					JRTKAF79R39DN63S4
0.82	10000	2050	3980	1.35	
0.95	8560	1772	4140	1.60	
1.1	7310	1514	4250	1.85	
1.2	6700	1388	4290	2.0	JRTK79R39DN63S4
1.4	5880	1218	4350	2.3	JRTKF79R39DN63S4
1.6	5170	1053	4390	2.6	JRTKA79R39DN63S4
1.8	4540	924	4420	3.0	JRTKAF79R39DN63S4
2.1	4000	815	4440	3.4	
2.4	3030	709	4480	4.5	
2.7	2660	622	4490	5.1	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R\alpha}$ [lbf]	Service factor f_s	Model
0.16HP					
1.2	6800	1351	2410	1.05	
1.4	5800	1171	2600	1.25	
1.6	5080	1034	2710	1.45	
1.9	4170	903	2820	1.75	
2.1	4030	793	2830	1.80	JRTK69R39DN63S4
2.4	3120	697	2910	2.3	JRTKF69R39DN63S4
2.7	2750	613	2920	2.6	JRTKA69R39DN63S4
3.1	2400	542	2920	3.0	JRTKAF69R39DN63S4
3.6	2300	471	2920	3.1	
4.0	1850	420	2920	3.9	
4.7	1710	361	2920	4.2	
5.2	1500	323	2920	4.8	
6.0	1230	279	2920	5.9	
6.8	1080	246	2920	6.7	
7.7	940	217	2920	7.7	
1.9	4180	906	1920	1.25	
2.1	3790	806	1970	1.40	
2.4	3130	699	2040	1.70	
2.7	2750	615	2080	1.90	
3.1	2400	544	2110	2.2	JRTK59R39DN63S4
3.5	2240	473	2120	2.4	JRTKF59R39DN63S4
4.0	1860	421	2160	2.9	JRTKA59R39DN63S4
4.6	1720	362	2170	3.1	JRTKAF59R39DN63S4
5.3	1510	319	2180	3.5	
6.0	1230	280	2200	4.3	
6.8	1090	246	2220	4.9	
7.8	960	215	2220	5.5	
8.8	860	192	2230	6.2	
3.0	2660	552	1580	1.35	
3.4	2220	495	1670	1.60	JRTK49R39DN63S4
3.9	2000	426	1710	1.75	JRTKF49R39DN63S4
4.5	1660	375	1760	2.1	JRTKA49R39DN63S4
5.2	1570	327	1770	2.2	JRTKAF49R39DN63S4
5.8	1370	289	1790	2.6	
5.5	1430	304	1250	1.25	
6.3	1320	267	1270	1.35	JRTK39R19DN63S4
7.2	1140	234	1320	1.55	JRTKF39R19DN63S4
8.2	990	205	1350	1.80	JRTKA39R19DN63S4
9.3	860	181	1380	2.0	JRTKAF39R19DN63S4
10	750	160	1410	2.4	
12	620	136	1440	2.8	
7.6	1320	144.79	2920	5.5	JRTK69DN63M6
					JRTKF69DN63M6
					JRTKA69DN63M6
					JRTKAF69DN63M6
7.6	1330	145.14	2200	4.0	
8.9	1130	123.85	2210	4.7	JRTK59DN63M6
10	990	108.29	2220	5.3	JRTKF59DN63M6
11	940	102.88	2230	5.6	JRTKA59DN63M6
12	820	90.26	2230	6.4	JRTKAF59DN63M6
14	700	76.56	2240	7.6	
12	870	145.14	2230	6.1	JRTK59DN63S4
14	740	123.85	2240	7.1	JRTKF59DN63S4
16	645	108.29	2240	8.2	JRTKA59DN63S4
16	615	102.88	2250	8.6	JRTKAF59DN63S4
19	540	90.26	2250	9.8	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{h, n}$ [lbf]	Service factor f_s	Model
0.16HP					
8.3	1200	131.87	1810	2.9	JRTK49DN63M6
9.1	1110	121.48	1820	3.2	JRTKF49DN63M6
11	950	104.37	1830	3.7	JRTKA49DN63M6
					JRTKAF49DN63M6
13	790	131.87	1840	4.5	JRTK49DN63S4
14	725	121.48	1840	4.9	JRTKF49DN63S4
					JRTKA49DN63S4
					JRTKAF49DN63S4
10	970	106.38	1350	1.80	JRTK39DN63M6
11	890	97.81	1370	1.95	JRTKF39DN63M6
13	765	83.69	1400	2.3	JRTKA39DN63M6
15	660	72.54	1430	2.7	JRTKAF39DN63M6
16	635	106.38	1430	2.8	JRTK39DN63S4
17	585	97.81	1440	3.0	JRTKF39DN63S4
20	500	83.69	1460	3.5	JRTKA39DN63S4
23	435	72.54	1450	4.1	JRTKAF39DN63S4
25	405	67.80	1420	4.3	
0.25HP					
0.11	108500	14975	17900	1.05	
0.14	90100	12440	18100	1.30	
0.16	79100	10915	18200	1.45	
0.17	71100	9819	18300	1.60	
0.20	60400	8443	18400	1.90	JRTK129R79DN63M4
0.23	54200	7482	18400	2.1	JRTKF129R79DN63M4
0.26	47500	6565	18500	2.4	JRTKA129R79DN63M4
0.29	39500	5804	18500	2.9	JRTKAF129R79DN63M4
0.34	35200	5027	18500	3.3	
0.38	30100	4423	18600	3.8	
0.44	26100	3889	18600	4.4	
0.51	21500	3311	18600	5.3	
0.20	60300	8328	14600	1.15	
0.23	52600	7270	14600	1.35	
0.27	43400	6184	14600	1.65	
0.30	38000	5662	14600	1.85	
0.33	34500	5138	14600	2.0	JRTK109R79DN63M4
0.39	31100	4359	14600	2.3	JRTKF109R79DN63M4
0.45	27200	3810	14600	2.6	JRTKA109R79DN63M4
0.51	22800	3358	14600	3.1	JRTKAF109R79DN63M4
0.57	20900	2977	14600	3.4	
0.65	18200	2599	14600	3.9	
0.74	15500	2286	14600	4.5	
0.36	34800	4669	8990	1.10	
0.42	31300	4082	8990	1.20	JRTK99R59DN63M4
0.47	27200	3583	8990	1.40	JRTKF99R59DN63M4
0.55	23900	3108	8990	1.60	JRTKA99R59DN63M4
0.62	20400	2757	8990	1.85	JRTKAF99R59DN63M4
0.70	18800	2419	8990	2.0	
0.80	16300	2123	8990	2.3	
0.92	14500	1856	8990	2.6	
1.1	12000	1625	8990	3.1	
1.2	10400	1430	8990	3.7	JRTK99R59DN63M4
1.4	9910	1261	8990	3.8	JRTKF99R59DN63M4
1.5	8650	1102	8990	4.4	JRTKA99R59DN63M4
1.8	7540	957	8990	5.0	JRTKAF99R59DN63M4
2.0	6740	855	8990	5.6	
2.3	5210	743	8990	7.3	
2.6	4690	652	8990	8.1	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{h, n}$ [lbf]	Service factor f_s	Model
0.25HP					
0.55	23700	3107	6140	1.00	JRTK89R59DN63M4
0.62	20000	2728	6240	1.20	JRTKF89R59DN63M4
0.72	17600	2371	6300	1.35	JRTKA89R59DN63M4
					JRTKAF89R59DN63M4
0.81	16400	2088	6330	1.45	
0.92	14500	1854	6370	1.65	
1.0	13000	1657	6400	1.85	
1.2	11000	1415	6440	2.2	JRTK89R59DN63M4
1.4	9590	1229	6460	2.5	JRTKF89R59DN63M4
1.6	8300	1078	6470	2.9	JRTKA89R59DN63M4
1.8	7070	951	6490	3.4	JRTKAF89R59DN63M4
2.0	6080	837	6500	3.9	
2.3	5280	726	6510	4.5	
1.1	11900	1514	3740	1.15	
1.2	10900	1388	3880	1.25	
1.4	9600	1218	4040	1.45	
1.6	8390	1053	4160	1.65	
1.8	7360	924	4240	1.85	
2.1	6490	815	4310	2.1	JRTK79R39DN63M4
2.4	5200	709	4390	2.6	JRTKF79R39DN63M4
2.7	4560	622	4420	3.0	JRTKA79R39DN63M4
3.1	4130	552	4440	3.3	JRTKAF79R39DN63M4
3.5	3620	485	4460	3.8	
4.0	3190	428	4470	4.3	
4.6	2840	367	4480	4.8	
2.1	6480	793	2480	1.10	
2.4	5250	697	2680	1.40	
2.8	4620	613	2760	1.55	
3.1	4050	542	2830	1.80	JRTK69R39DN63M4
3.6	3750	471	2860	1.95	JRTKF69R39DN63M4
4.0	3140	420	2910	2.3	JRTKA69R39DN63M4
4.7	2830	361	2920	2.6	JRTKAF69R39DN63M4
5.3	2500	323	2920	2.9	
6.1	2080	279	2920	3.5	
3.1	4060	544	1940	1.30	
3.6	3700	473	1980	1.45	
4.0	3140	421	2040	1.70	
4.7	2840	362	2070	1.85	JRTK59R39DN63M4
5.3	2490	319	2100	2.1	JRTKF59R39DN63M4
6.1	2090	280	2140	2.5	JRTKA59R39DN63M4
6.9	1840	246	2160	2.9	JRTKAF59R39DN63M4
7.9	1620	215	2180	3.3	
8.8	1440	192	2190	3.7	
10	1250	166	2200	4.2	
4.5	2800	375	1550	1.25	
5.2	2570	327	1600	1.35	
5.9	2260	289	1670	1.55	
6.6	1910	256	1720	1.85	JRTK49R39DN63M4
7.6	1740	225	1750	2.0	JRTKF49R39DN63M4
8.6	1480	198	1780	2.4	JRTKA49R39DN63M4
9.9	1290	171	1800	2.7	JRTKAF49R39DN63M4
11	1150	153	1820	3.1	
13	1010	131	1830	3.5	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.25HP					
8.3	1620	205	1200	1.10	
9.4	1410	181	1250	1.25	JRTK39R19DN63M4
11	1240	160	1290	1.40	JRTKF39R19DN63M4
12	1040	136	1340	1.70	JRTKA39R19DN63M4
13	1000	127	1350	1.75	JRTKAF39R19DN63M4
12	1340	144.79	2920	5.4	JRTK69DN63M4
14	1140	123.54	2920	6.3	JRTKF69DN63M4
16	1000	108.03	2920	7.2	JRTKA69DN63M4
7.4	2130	144.79	2920	3.4	JRTK69DN71S6
8.7	1820	123.54	2920	4.0	JRTKF69DN71S6
9.9	1590	108.03	2920	4.6	JRTKA69DN71S6
10	1510	102.62	2920	4.8	JRTKAF69DN71S6
12	1340	145.14	2200	3.9	
14	1140	123.85	2210	4.6	JRTK59DN63M4
16	1000	108.29	2220	5.3	JRTKF59DN63M4
17	950	102.88	2220	5.6	JRTKA59DN63M4
19	830	90.26	2230	6.3	JRTKAF59DN63M4
22	705	76.56	2240	7.5	
7.4	2130	145.14	2130	2.5	JRTK59DN71S6
8.6	1820	123.85	2160	2.9	JRTKF59DN71S6
9.9	1590	108.29	2180	3.3	JRTKA59DN71S6
10	1510	102.88	2180	3.5	JRTKAF59DN71S6
12	1320	90.26	2200	4.0	
13	1220	131.87	1810	2.9	JRTK49DN63M4
14	1120	121.48	1820	3.1	JRTKF49DN63M4
16	960	104.37	1830	3.7	JRTKA49DN63M4
19	840	90.86	1840	4.2	JRTKAF49DN63M4
20	785	85.12	1840	4.5	
8.1	1940	131.87	1720	1.80	
8.8	1780	121.48	1740	2.0	JRTK49DN71S6
10	1530	104.37	1780	2.3	JRTKF49DN71S6
12	1330	90.86	1800	2.6	JRTKA49DN71S6
13	1250	85.12	1810	2.8	JRTKAF49DN71S6
16	980	106.38	1350	1.80	
17	900	97.81	1370	1.95	
20	775	83.69	1400	2.3	
23	670	72.54	1390	2.6	JRTK39DN63M4
25	625	67.80	1370	2.8	JRTKF39DN63M4
29	540	58.60	1310	3.3	JRTKA39DN63M4
34	460	49.79	1260	3.8	JRTKAF39DN63M4
38	410	44.46	1220	4.3	
45	350	37.97	1160	5.0	
10	1560	106.38	1220	1.15	JRTK39DN71S6
11	1440	97.81	1250	1.25	JRTKF39DN71S6
13	1230	83.69	1290	1.45	JRTKA39DN71S6
15	1060	72.54	1330	1.65	JRTKAF39DN71S6
0.33HP					
0.17	98000	9819	18000	1.15	
0.20	83500	8443	18200	1.40	
0.23	74700	7482	18300	1.55	
0.26	65500	6565	18300	1.75	JRTK129R79DN71S4
0.29	55400	5804	18400	2.1	JRTKF129R79DN71S4
0.34	49000	5027	18500	2.3	JRTKA129R79DN71S4
0.38	42200	4423	18500	2.7	JRTKAF129R79DN71S4
0.44	36800	3889	18500	3.1	
0.51	30500	3311	18600	3.8	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.33HP					
0.27	60300	6184	14800	1.15	
0.30	53500	5662	14600	1.30	
0.33	48600	5138	14600	1.45	
0.39	43100	4359	14600	1.65	JRTK109R79DN71S4
0.45	37600	3810	14600	1.90	JRTKF109R79DN71S4
0.51	32000	3358	14600	2.2	JRTKA109R79DN71S4
0.57	29000	2977	14600	2.4	JRTKAF109R79DN71S4
0.65	25300	2599	14600	2.8	
0.74	21800	2286	14600	3.2	
0.88	18500	1939	14600	3.8	
0.99	17100	1713	14800	4.1	JRTK109R79DN71S4
1.1	15500	1554	14600	4.5	JRTKF109R79DN71S4
1.3	13300	1336	14600	5.3	JRTKA109R79DN71S4
0.55	32400	3108	8990	1.15	JRTK99R59DN71S4
0.62	28000	2757	8990	1.35	JRTKF99R59DN71S4
0.70	25500	2419	8990	1.50	JRTKA99R59DN71S4
0.80	22200	2123	8990	1.70	JRTKAF99R59DN71S4
0.92	19700	1856	8990	1.95	
1.1	16500	1625	8990	2.3	JRTK99R59DN71S4
1.2	14300	1430	8990	2.6	JRTKF99R59DN71S4
1.4	13400	1261	8990	2.8	JRTKA99R59DN71S4
1.5	11700	1102	8990	3.2	JRTKAF99R59DN71S4
1.8	10200	957	8990	3.7	
2.0	9140	855	8990	4.2	
0.81	22100	2088	6180	1.10	
0.92	19700	1854	6250	1.20	
1.0	17600	1657	6310	1.35	
1.2	14900	1415	6360	1.60	
1.4	12900	1229	6400	1.85	JRTK89R59DN71S4
1.6	11200	1078	6430	2.1	JRTKF89R59DN71S4
1.8	9710	951	6460	2.5	JRTKA89R59DN71S4
2.0	8400	837	6470	2.8	JRTKAF89R59DN71S4
2.3	7290	726	6490	3.3	
2.7	6510	638	6500	3.7	
1.6	11300	1053	3830	1.20	
1.8	9920	924	4000	1.40	
2.1	8750	815	4120	1.55	
2.4	7170	709	4260	1.90	
2.7	6290	622	4320	2.2	
3.1	5660	552	4360	2.4	JRTK79R39DN71S4
3.5	4960	485	4400	2.8	JRTKF79R39DN71S4
4.0	4380	428	4430	3.1	JRTKA79R39DN71S4
4.6	3860	367	4450	3.5	JRTKAF79R39DN71S4
5.2	3420	328	4470	4.0	
5.9	3050	290	4480	4.5	
6.7	2590	252	4490	5.3	
7.7	2280	221	4490	6.0	
8.7	2010	195	4490	6.8	
9.7	1760	175	4490	7.8	





Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.33HP					
2.8	6320	613	2510	1.15	
3.1	5560	542	2640	1.30	
3.6	5070	471	2710	1.45	
4.0	4300	420	2800	1.70	JRTK69R39DN71S4
4.7	3840	361	2850	1.90	JRTKF69R39DN71S4
5.3	3400	323	2890	2.1	JRTKA69R39DN71S4
6.1	2860	279	2920	2.5	JRTKAF69R39DN71S4
6.9	2510	246	2920	2.9	
7.8	2220	217	2920	3.3	
4.0	4310	421	1910	1.25	
4.7	3850	362	1960	1.40	
5.3	3390	319	2010	1.55	
6.1	2860	280	2070	1.85	
6.9	2520	246	2100	2.1	JRTK59R39DN71S4
7.9	2220	215	2130	2.4	JRTKF59R39DN71S4
8.8	1970	192	2150	2.7	JRTKA59R39DN71S4
10	1710	166	2170	3.1	JRTKAF59R39DN71S4
12	1490	145	2190	3.5	
13	1360	129	2200	3.9	
15	1140	111	2210	4.6	
17	1000	97	2220	5.3	
5.7	3630	192.18	4460	3.5	JRTK79DN71M6
6.1	3390	179.37	4470	3.8	JRTKF79DN71M6
7.1	2910	154.02	4480	4.7	JRTKA79DN71M6
8.1	2550	135.28	4490	5.4	JRTKAF79DN71M6
7.6	2730	144.79	2920	2.6	JRTK69DN71M6
8.9	2330	123.54	2920	3.1	JRTKF69DN71M6
10	2040	108.03	2920	3.5	JRTKA69DN71M6
11	1940	102.62	2920	3.7	JRTKAF69DN71M6
12	1770	144.79	2920	4.1	JRTK89DN71S4
14	1510	123.54	2920	4.8	JRTKF89DN71S4
16	1320	108.03	2920	5.5	JRTKA89DN71S4
17	1250	102.62	2920	5.8	JRTKAF89DN71S4
7.6	2740	145.14	2080	1.95	
8.9	2340	123.85	2120	2.3	JRTK59DN71M6
10	2040	108.29	2140	2.6	JRTKF59DN71M6
11	1940	102.88	2150	2.7	JRTKA59DN71M6
12	1700	90.26	2170	3.1	JRTKAF59DN71M6
14	1440	76.56	2190	3.7	
12	1770	145.14	2160	3.0	JRTK59DN71S4
14	1510	123.85	2180	3.5	JRTKF59DN71S4
16	1320	108.29	2200	4.0	JRTKA59DN71S4
17	1250	102.88	2200	4.2	JRTKAF59DN71S4
19	1100	90.26	2210	4.8	
22	930	76.56	2230	5.7	
8.3	2490	131.87	1620	1.40	
9.1	2290	121.48	1660	1.55	JRTK49DN71M6
11	1970	104.37	1720	1.80	JRTKF49DN71M6
12	1710	90.86	1750	2.1	JRTKA49DN71M6
13	1610	85.12	1770	2.2	JRTKAF49DN71M6
13	1610	131.87	1770	2.2	
14	1480	121.48	1780	2.4	JRTK49DN71S4
16	1270	104.37	1800	2.8	JRTKF49DN71S4
19	1110	90.86	1820	3.2	JRTKA49DN71S4
20	1040	85.12	1820	3.4	JRTKAF49DN71S4

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.33HP					
13	1580	83.69	1210	1.10	
15	1370	72.54	1260	1.30	JRTK39DN71M6
16	1280	67.80	1280	1.40	JRTKF39DN71M6
19	1100	58.60	1320	1.60	JRTKA39DN71M6
22	940	49.79	1360	1.90	JRTKAF39DN71M6
16	1300	106.38	1280	1.35	
17	1190	97.81	1300	1.50	
20	1020	83.69	1340	1.75	
23	880	72.54	1340	2.0	
25	820	67.80	1320	2.1	JRTK39DN71S4
29	715	58.60	1270	2.5	JRTKF39DN71S4
34	605	49.79	1220	2.9	JRTKA39DN71S4
38	540	44.46	1190	3.2	JRTKAF39DN71S4
45	460	37.97	1140	3.8	
48	435	35.57	1120	4.1	
57	365	29.96	1070	4.8	
59	350	28.83	1060	5.0	
0.50HP					
0.26	103700	6565	17900	1.10	
0.29	89100	5804	18100	1.30	JRTK129R79DN71M4
0.34	78200	5027	18200	1.45	JRTKF129R79DN71M4
0.38	67900	4423	18300	1.70	JRTKA129R79DN71M4
0.44	59400	3889	18400	1.95	JRTKAF129R79DN71M4
0.51	49800	3311	18500	2.3	
0.88	30300	1926	18600	3.8	JRTK129R79DN71M4
0.97	27600	1757	18600	4.2	JRTKF129R79DN71M4
1.1	23900	1541	18600	4.8	JRTKA129R79DN71M4
					JRTKAF129R79DN71M4
0.45	59800	3810	14600	1.20	
0.51	51600	3358	14600	1.35	JRTK109R79DN71M4
0.57	46300	2977	14600	1.55	JRTKF109R79DN71M4
0.65	40400	2599	14600	1.75	JRTKA109R79DN71M4
0.74	35100	2286	14600	2.0	JRTKAF109R79DN71M4
0.88	29800	1939	14600	2.4	
0.99	27200	1713	14600	2.6	JRTK109R79DN71M4
1.1	24700	1554	14600	2.9	JRTKF109R79DN71M4
1.3	21200	1336	14600	3.3	JRTKA109R79DN71M4
1.5	18500	1166	14600	3.8	JRTKAF109R79DN71M4
0.80	34700	2123	8990	1.10	
0.92	30600	1856	8990	1.25	
1.1	26100	1625	8990	1.45	
1.2	22700	1430	8990	1.65	
1.4	20800	1261	8990	1.85	JRTK99R59DN71M4
1.5	18100	1102	8990	2.1	JRTKF99R59DN71M4
1.8	15900	957	8990	2.4	JRTKA99R59DN71M4
2.0	14200	855	8990	2.7	JRTKAF99R59DN71M4
2.3	11600	743	8990	3.3	
2.6	10300	652	8990	3.7	
3.0	9380	573	8990	4.1	
1.2	23300	1415	6150	1.00	
1.4	20200	1229	6240	1.20	JRTK89R59DN71M4
1.6	17600	1078	6310	1.35	JRTKF89R59DN71M4
1.8	15300	951	6360	1.55	JRTKA89R59DN71M4
2.0	13300	837	6400	1.80	JRTKAF89R59DN71M4
2.3	11500	726	6430	2.1	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.50HP					
2.7	10200	638	6450	2.3	JRTK89R59DN71M4
3.0	8950	562	6470	2.7	JRTKF89R59DN71M4
3.6	7520	474	6480	3.2	JRTKA89R59DN71M4
4.0	6760	426	6490	3.5	JRTKAF89R59DN71M4
4.6	5900	373	6500	4.0	
2.1	13500	815	3480	1.00	
2.4	11300	709	3830	1.20	
2.7	9950	622	4000	1.40	
3.1	8910	552	4110	1.55	
3.5	7820	485	4210	1.75	
4.0	6900	428	4280	2.0	JRTK79R39DN71M4
4.6	6020	367	4340	2.3	JRTKF79R39DN71M4
5.2	5350	328	4380	2.6	JRTKA79R39DN71M4
5.9	4760	290	4410	2.9	JRTKAF79R39DN71M4
6.7	4080	252	4440	3.4	
7.7	3580	221	4460	3.8	
8.7	3160	195	4470	4.3	
9.7	2790	175	4490	4.9	
11	2460	154	4490	5.6	
4.0	6770	420	2420	1.05	
4.7	5990	361	2570	1.20	
5.3	5320	323	2670	1.35	
6.1	4500	279	2780	1.60	JRTK69R39DN71M4
6.9	3960	246	2840	1.85	JRTKF69R39DN71M4
7.8	3510	217	2880	2.1	JRTKA69R39DN71M4
8.9	3100	191	2920	2.3	JRTKAF69R39DN71M4
10	2650	166	2920	2.7	
12	2350	144	2920	3.1	
14	1990	122	2920	3.6	
6.1	4510	280	1870	1.20	
6.9	3970	246	1950	1.35	
7.9	3500	215	2000	1.50	
8.8	3110	192	2040	1.70	JRTK59R39DN71M4
10	2690	166	2080	1.95	JRTKF59R39DN71M4
12	2350	145	2110	2.2	JRTKA59R39DN71M4
13	2130	129	2130	2.5	JRTKAF59R39DN71M4
15	1800	111	2160	2.9	
17	1580	97	2180	3.3	
5.6	5650	197.37	6500	4.2	JRTK89DN80M6
6.3	4990	174.19	6510	4.8	JRTKF89DN80M6
					JRTKA89DN80M6
					JRTKAF89DN80M6
7.1	4410	154.02	4430	3.1	JRTK79DN80M6
8.1	3870	135.28	4450	3.5	JRTKF79DN80M6
8.6	3680	128.52	4460	3.7	JRTKA79DN80M6
9.7	3250	113.56	4470	4.2	JRTKAF79DN80M6
8.8	3560	192.18	4460	3.6	JRTK79DN71M4
9.5	3320	179.37	4470	3.9	JRTKF79DN71M4
11	2850	154.02	4480	4.8	JRTKA79DN71M4
					JRTKAF79DN71M4
8.9	3540	123.54	2880	2.0	JRTK69DN80M6
10	3090	108.03	2920	2.3	JRTKF69DN80M6
11	2940	102.62	2920	2.5	JRTKA69DN80M6
12	2580	90.04	2920	2.8	JRTKAF69DN80M6

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.50HP					
12	2680	144.79	2920	2.7	JRTK69DN71M4
14	2290	123.54	2920	3.2	JRTKF69DN71M4
16	2000	108.03	2920	3.6	JRTKA69DN71M4
19	1660	90.04	2920	4.3	JRTKAF69DN71M4
22	1410	76.37	2920	5.1	
8.9	3540	123.85	1990	1.50	
10	3100	108.29	2040	1.70	JRTK59DN80M6
11	2940	102.88	2060	1.80	JRTKF59DN80M6
12	2580	90.26	2090	2.0	JRTKA59DN80M6
14	2190	76.56	2130	2.4	JRTKAF59DN80M6
16	1980	69.12	2150	2.7	
12	2690	145.14	2080	1.95	
14	2290	123.85	2120	2.3	
16	2000	108.29	2140	2.6	JRTK59DN71M4
17	1900	102.88	2150	2.8	JRTKF59DN71M4
19	1670	90.26	2170	3.2	JRTKA59DN71M4
22	1410	76.56	2190	3.7	JRTKAF59DN71M4
25	1260	69.12	2200	4.1	
11	2990	104.37	1500	1.20	JRTK49DN80M6
12	2600	90.86	1600	1.35	JRTKF49DN80M6
13	2430	85.12	1630	1.45	JRTKA49DN80M6
15	2150	75.20	1690	1.65	JRTKAF49DN80M6
13	2440	131.87	1630	1.45	
14	2250	121.48	1670	1.55	
16	1930	104.37	1720	1.85	JRTK49DN71M4
19	1680	90.86	1760	2.1	JRTKF49DN71M4
20	1570	85.12	1770	2.2	JRTKA49DN71M4
23	1390	75.20	1790	2.5	JRTKAF49DN71M4
24	1290	69.84	1800	2.7	
27	1170	63.30	1810	3.0	
17	1810	97.81	1160	1.00	
20	1550	83.69	1220	1.15	
23	1340	72.54	1240	1.30	
25	1250	67.80	1220	1.40	
29	1080	58.60	1190	1.65	
34	920	49.79	1150	1.90	
38	820	44.46	1120	2.1	JRTK39DN71M4
45	700	37.97	1080	2.5	JRTKF39DN71M4
48	655	35.57	1070	2.7	JRTKA39DN71M4
57	555	29.96	1020	3.2	JRTKAF39DN71M4
59	530	28.83	1010	3.3	
68	460	24.99	980	3.8	
73	430	23.36	960	4.0	
84	370	20.19	820	4.4	
99	315	17.15	880	5.0	
0.75HP					
0.10	389800	16978	42700	1.15	
0.12	321900	14272	42700	1.35	JRTK169R99DN80S4
0.13	291400	13116	42700	1.50	JRTKH169R99DN80S4
0.15	252300	11647	42700	1.75	
0.23	165600	7343	42700	2.7	
0.15	265700	11573	33700	1.05	
0.16	235600	10264	33700	1.20	
0.20	194600	8628	33700	1.45	JRTK169R99DN80S4
0.26	148000	6562	33700	1.90	JRTKH169R99DN80S4
0.32	116000	5355	33700	2.4	
0.41	90600	4079	33700	3.1	





Output speed n_2 [r/min]	Output torque T_2 [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
0.75HP					
0.25	155200	6881	25300	1.05	JRTK159R99DN80S4
0.28	133700	5931	25500	1.20	JRTKF159R99DN80S4
0.42	89700	3979	25900	1.75	JRTKA159R99DN80S4
0.55	68800	3051	26000	2.3	JRTKAF159R99DN80S4
0.38	106400	4423	17900	1.10	JRTK129R79DN80S4
0.43	93200	3889	18100	1.25	
0.51	78600	3311	18200	1.45	
0.56	71000	3009	18300	1.60	
0.65	60800	2607	18400	1.90	
0.88	47300	1926	18500	2.4	JRTK129R79DN80S4
0.96	43100	1757	18500	2.7	
1.1	37500	1541	18500	3.1	
1.3	32900	1342	18500	3.5	
1.4	28600	1177	18600	4.0	
1.6	25100	1025	18600	4.6	JRTK109R79DN80S4
0.57	72200	2977	14600	1.00	
0.65	63100	2599	14600	1.10	
0.74	55000	2286	14600	1.30	
0.87	46600	1939	14600	1.50	
0.99	42300	1713	14600	1.65	JRTK109R79DN80S4
1.1	38400	1554	14600	1.85	
1.3	33000	1336	14600	2.1	
1.4	28800	1166	14600	2.5	
1.6	24600	1030	14600	2.9	
1.9	23100	904	14600	3.3	JRTKAF109R79DN80S4
2.1	19400	793	14600	3.6	
2.4	16900	696	14600	4.2	
2.8	14500	615	14600	4.9	
1.2	35300	1430	8990	1.05	JRTK99R59DN80S4
1.3	31900	1261	8990	1.20	
1.5	27900	1102	8990	1.35	
1.8	24400	957	8990	1.55	
2.0	21800	855	8990	1.75	
2.3	18100	743	8990	2.1	JRTKAF99R59DN80S4
2.6	16000	652	8990	2.4	
3.0	14400	573	8990	2.8	
3.4	12200	504	8990	3.1	
3.9	10500	437	8990	3.6	
4.4	9450	382	8990	4.0	JRTK89R59DN80S4
5.5	7630	305	8990	5.0	
1.8	23600	951	6140	1.00	
2.0	20700	837	6230	1.15	JRTK89R59DN80S4
2.3	17900	726	6300	1.35	
2.6	15900	638	6340	1.50	
3.0	13900	562	6390	1.70	
3.6	11700	474	6430	2.0	
4.0	10500	426	6440	2.3	JRTKAF89R59DN80S4
4.5	9220	373	6460	2.6	
5.1	8030	330	6480	3.0	
5.8	7160	294	6490	3.3	
6.8	6250	250	6500	3.8	
7.2	5880	236	6500	4.1	JRTKAF89R59DN80S4
8.4	4970	201	6510	4.8	

Output speed n_2 [r/min]	Output torque T_2 [lbf · in]	Ratio i	Permitted overhung load F_{H2} [lbf]	Service factor f_s	Model
0.75HP					
3.5	12000	485	3720	1.15	JRTK79R39DN80S4
4.0	10600	428	3910	1.30	
4.6	9250	367	4070	1.50	
5.2	8230	328	4170	1.65	
5.8	7310	290	4250	1.85	
6.7	6300	252	4320	2.2	JRTKA79R39DN80S4
7.6	5530	221	4370	2.5	
8.7	4880	195	4400	2.8	
9.7	4320	175	4430	3.2	
11	3810	154	4450	3.6	
6.1	6960	279	2380	1.05	JRTK69R39DN80S4
6.9	6120	246	2540	1.20	
7.8	5450	217	2650	1.35	
8.8	4790	191	2740	1.50	
10	4120	166	2820	1.75	
12	3630	144	2870	2.0	JRTKA69R39DN80S4
14	3080	122	2920	2.4	
8.8	4800	192	1820	1.10	
10	4150	166	1920	1.30	
12	3640	145	1980	1.45	
13	3280	129	2020	1.60	JRTKAF59R39DN80S4
15	2780	111	2070	1.90	
17	2450	97	2110	2.2	
5.7	8330	197.37	6470	2.9	JRTK89DN90S6
6.4	7350	174.19	6490	3.2	
6.8	6930	164.34	6490	3.4	
7.6	6220	147.32	6500	3.8	
7.3	6500	154.02	4310	2.1	JRTK79DN90S6
8.3	5710	135.28	4360	2.4	
8.7	5420	128.52	4370	2.5	
9.9	4790	113.56	4410	2.9	
11	4300	154.02	4430	3.2	JRTK79DN80S4
12	3780	135.28	4450	3.6	
13	3590	128.52	4460	3.8	
15	3170	113.56	4470	4.3	
17	2710	97.05	4490	5.0	JRTKAF79DN80S4
9.1	5210	123.54	2690	1.40	
10	4560	108.03	2770	1.60	
11	4330	102.62	2800	1.65	
12	3800	90.04	2850	1.90	
15	3220	76.37	2910	2.2	JRTK69DN80S4
14	3450	123.54	2890	2.1	
16	3020	108.03	2920	2.4	
19	2510	90.04	2920	2.9	
22	2130	76.37	2920	3.4	
10	4570	108.29	1860	1.15	JRTK59DN90S6
11	4340	102.88	1900	1.20	
12	3810	90.26	1970	1.40	
15	3230	76.56	2030	1.65	
16	2910	69.12	2060	1.80	
18	2560	60.81	2090	2.1	JRTKAF59DN90S6
20	2420	57.42	2110	2.2	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.75HP					
14	3460	123.85	2000	1.55	
16	3030	108.29	2050	1.75	
16	2870	102.88	2060	1.85	JRTK59DN80S4
19	2520	90.26	2100	2.1	JRTKF59DN80S4
22	2140	76.56	2130	2.5	JRTKA59DN80S4
24	1930	69.12	2150	2.7	JRTKAF59DN80S4
28	1700	60.81	2170	3.1	
29	1600	57.42	2180	3.3	
16	2920	104.37	1520	1.20	
19	2540	90.86	1610	1.40	
20	2380	85.12	1640	1.50	
22	2100	75.20	1700	1.70	JRTK49DN80S4
24	1950	69.84	1720	1.80	JRTKF49DN80S4
27	1770	63.30	1750	2.0	JRTKA49DN80S4
30	1590	56.83	1770	2.2	JRTKAF49DN80S4
35	1360	48.95	1790	2.6	
37	1280	46.03	1800	2.8	
29	1630	58.60	1060	1.10	
34	1390	49.79	1040	1.25	
38	1240	44.46	1030	1.40	
44	1060	37.97	1000	1.65	
48	990	35.57	990	1.80	
56	830	29.96	960	2.1	JRTK39DN80S4
59	800	28.83	950	2.2	JRTKF39DN80S4
68	695	24.99	920	2.5	JRTKA39DN80S4
72	650	23.36	910	2.6	JRTKAF39DN80S4
84	560	20.19	880	2.9	
99	480	17.15	850	3.3	
110	425	15.31	820	3.6	
129	365	13.08	790	4.0	
139	335	12.14	775	4.2	
161	290	10.49	745	4.8	
1.0HP					
0.13	387200	13116	42700	1.15	
0.15	337300	11647	42700	1.30	
0.24	219300	7343	42700	2.0	JRTK189R99DN80M4
0.26	199200	6747	42700	2.2	JRTKH189R99DN80M4
0.29	173500	5991	42700	2.5	
0.33	151900	5358	42700	2.9	
0.20	257700	8628	33700	1.10	
0.27	196000	6562	33700	1.45	
0.33	155000	5355	33700	1.85	JRTK169R99DN80M4
0.37	135800	4788	33700	2.1	JRTKH169R99DN80M4
0.43	120400	4079	33700	2.4	
0.52	100800	3376	33700	2.8	
0.35	140700	5074	25400	1.15	
0.39	125200	4514	25600	1.25	
0.44	118800	3979	25700	1.35	JRTK159R99DN80M4
0.50	99700	3516	25800	1.60	JRTKH159R99DN80M4
0.57	91100	3051	25900	1.75	JRTKA159R99DN80M4
0.67	72400	2610	26000	2.2	JRTKAF159R99DN80M4
0.75	64400	2322	26000	2.5	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
1.1	50100	1659	26100	3.2	JRTK159R99DN80M4
1.3	40000	1365	26100	4.0	JRTKH159R99DN80M4
					JRTKA159R99DN80M4
					JRTKAF159R99DN80M4
0.53	103000	3311	18000	1.10	JRTK129R79DN80M4
0.58	93100	3009	18100	1.25	JRTKH129R79DN80M4
0.67	80000	2607	18200	1.45	JRTKA129R79DN80M4
0.77	69000	2268	18300	1.65	JRTKAF129R79DN80M4
0.91	61700	1926	18400	1.85	
1.0	56200	1757	18400	2.0	JRTK129R79DN80M4
1.1	49000	1541	18500	2.3	JRTKH129R79DN80M4
1.3	42900	1342	18500	2.7	JRTKA129R79DN80M4
1.5	37400	1177	18500	3.1	JRTKAF129R79DN80M4
1.7	32800	1025	18500	3.5	
1.9	28600	899	18600	4.0	
0.90	60900	1939	14600	1.15	JRTK109R79DN80M4
					JRTKH109R79DN80M4
					JRTKA109R79DN80M4
					JRTKAF109R79DN80M4
1.0	55100	1713	14600	1.30	
1.1	50000	1554	14600	1.40	
1.3	43000	1336	14600	1.65	
1.5	37500	1166	14600	1.90	JRTK109R79DN80M4
1.7	32200	1030	14600	2.2	JRTKF109R79DN80M4
1.9	28000	904	14600	2.5	JRTKA109R79DN80M4
2.2	25300	793	14600	2.8	JRTKAF109R79DN80M4
2.5	22100	696	14600	3.2	
2.9	19100	615	14600	3.7	
1.6	36100	1102	8990	1.05	
1.8	31600	957	8990	1.20	
2.0	28200	855	8990	1.35	
2.4	23700	743	8990	1.60	
2.7	20900	652	8990	1.80	
3.1	18800	573	8990	2.0	JRTK99R59DN80M4
3.5	16000	504	8990	2.4	JRTKF99R59DN80M4
4.0	13800	437	8990	2.8	JRTKA99R59DN80M4
4.6	12300	382	8990	3.1	JRTKAF99R59DN80M4
5.7	9930	305	8990	3.8	
6.8	8360	258	8990	4.5	
7.5	7520	232	8990	5.0	
8.8	6400	199	8990	5.9	
2.4	23300	726	6150	1.00	
2.7	20600	638	6230	1.15	
3.1	18000	562	6290	1.30	
3.7	15200	474	6360	1.55	
4.1	13700	426	6390	1.75	JRTK89R59DN80M4
4.7	12000	373	6420	2.0	JRTKF89R59DN80M4
5.3	10400	330	6440	2.3	JRTKA89R59DN80M4
					JRTKAF89R59DN80M4
6.0	9370	294	6460	2.5	
7.0	8140	250	6480	2.9	
7.4	7660	236	6480	3.1	
8.7	6490	201	6500	3.7	
4.8	11900	367	3730	1.15	JRTK79R39DN80M4
5.3	10600	328	3910	1.30	JRTKF79R39DN80M4
6.0	9480	290	4050	1.45	JRTKA79R39DN80M4
					JRTKAF79R39DN80M4





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
7.0	8180	252	4180	1.70	
7.9	7180	221	4260	1.90	JRTK79R39DN80M4
9.0	6330	195	4320	2.2	JRTKF79R39DN80M4
10	5630	175	4360	2.4	JRTKA79R39DN80M4
11	4960	154	4400	2.8	JRTKAF79R39DN80M4
8.1	7080	217	2350	1.00	
9.1	6210	191	2530	1.15	JRTK69R39DN80M4
11	5360	166	1670	1.35	JRTKF69R39DN80M4
12	4720	144	2750	1.55	JRTKA69R39DN80M4
14	4000	122	2830	1.80	JRTKAF69R39DN80M4
12	4730	145	1830	1.10	JRTK59R39DN80M4
14	4250	129	1910	1.25	JRTKF59R39DN80M4
16	3620	111	1990	1.45	JRTKA59R39DN80M4
18	3180	97	2030	1.65	JRTKAF59R39DN80M4
18	3260	99	1420	1.10	JRTK49R39DN80M4
19	3090	94	1480	1.15	JRTKF49R39DN80M4
					JRTKA49R39DN80M4
					JRTKAF49R39DN80M4
6.7	9420	174.19	6460	2.5	JRTK89DN90S6
7.1	8880	164.34	6470	2.7	JRTKF89DN90S6
7.9	7960	147.32	6480	3.0	JRTKA89DN90S6
9.2	6860	126.91	6490	3.5	JRTKAF89DN90S6
8.9	7100	197.37	6490	3.4	JRTK89DN80M4
10	6260	174.19	6500	3.8	JRTKF89DN80M4
11	5910	164.34	6500	4.0	JRTKA89DN80M4
12	5300	147.32	6510	4.5	JRTKAF89DN80M4
8.6	7310	135.28	4250	1.85	JRTK79DN90S6
9.1	6950	128.52	4280	1.95	JRTKF79DN90S6
10	6140	113.56	4330	2.2	JRTKA79DN90S6
12	5240	97.05	4380	2.6	JRTKAF79DN90S6
13	4810	88.97	4410	2.9	
11	5540	154.02	4370	2.5	JRTK79DN80M4
13	4860	135.28	4400	2.8	JRTKF79DN80M4
14	4620	128.52	4420	3.0	JRTKA79DN80M4
15	4080	113.56	4440	3.4	JRTKAF79DN80M4
18	3490	97.05	4460	3.9	
11	5840	108.03	2590	1.25	
11	5550	102.62	2640	1.30	
13	4860	90.04	2730	1.50	
15	4130	76.37	2820	1.75	JRTK69DN90S6
17	3720	68.95	2860	1.95	JRTKF69DN90S6
19	3280	60.66	2900	2.2	JRTKA69DN90S6
20	3090	57.28	2920	2.3	JRTKAF69DN90S6
24	2630	48.77	2920	2.8	
26	2390	44.32	2920	3.0	
14	4440	123.54	2790	1.65	
16	3880	108.03	2850	1.85	
17	3690	102.62	2860	1.95	JRTK69DN80M4
19	3230	90.04	2900	2.2	JRTKF69DN80M4
23	2740	76.37	2920	2.6	JRTKA69DN80M4
25	2480	68.95	2920	2.9	JRTKAF69DN80M4
29	2180	60.66	2920	3.3	
31	2060	57.28	2920	3.5	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
13	4880	90.26	1800	1.10	
15	4140	76.56	1930	1.30	
17	3730	69.12	1970	1.40	
19	3280	60.18	2020	1.60	JRTK59DN90S6
20	3100	57.42	2040	1.70	JRTKF59DN90S6
24	2640	48.89	2090	2.0	JRTKA59DN90S6
26	2400	44.43	2110	2.2	JRTKAF59DN90S6
30	2080	38.49	2140	2.5	
33	1930	35.70	2150	2.8	
14	4450	123.85	1890	1.20	
16	3890	108.29	1960	1.35	
17	3700	102.88	1980	1.45	
19	3240	90.26	2030	1.65	JRTK59DN80M4
23	2750	76.56	2080	1.95	JRTKF59DN80M4
25	2480	69.12	2100	2.1	JRTKA59DN80M4
29	2180	60.81	2130	2.4	JRTKAF59DN80M4
30	2060	57.42	2140	2.6	
36	1750	48.89	2170	3.0	
39	1590	44.43	2180	3.3	
18	3420	63.30	1370	1.05	
20	3070	56.83	1480	1.15	
24	2640	48.95	1590	1.35	
25	2480	46.03	1620	1.40	
29	2140	39.61	1690	1.65	JRTK49DN90S6
33	1910	35.39	1730	1.85	JRTKF49DN90S6
37	1690	31.30	1760	2.1	JRTKA49DN90S6
40	1580	29.32	1740	2.2	JRTKAF49DN90S6
45	1400	25.91	1690	2.5	
48	1300	24.06	1660	2.7	
53	1170	21.81	1620	3.0	
19	3260	90.86	1420	1.10	
21	3060	85.12	1480	1.15	
23	2700	75.20	1570	1.30	
25	2510	69.84	1620	1.40	
28	2270	63.30	1660	1.55	JRTK49DN80M4
31	2040	56.83	1700	1.75	JRTKF49DN80M4
36	1760	48.95	1750	2.0	JRTKA49DN80M4
38	1650	46.03	1750	2.1	JRTKAF49DN80M4
44	1420	39.61	1700	2.5	
49	1270	35.39	1650	2.8	
56	1120	31.30	1610	3.1	
39	1620	29.96	930	1.10	
47	1350	24.99	920	1.30	
50	1260	23.36	910	1.35	
58	1090	20.19	890	1.50	JRTK39DN90S6
68	920	17.15	870	1.70	JRTKF39DN90S6
76	820	15.31	850	1.85	JRTKA39DN90S6
89	705	13.08	830	2.1	JRTKAF39DN90S6
96	655	12.14	820	2.2	
111	565	10.49	790	2.5	
131	480	8.91	760	2.9	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
39	1590	44.46	930	1.10	
46	1360	37.97	920	1.30	
49	1270	35.57	910	1.40	
58	1070	29.96	890	1.65	
61	1030	28.83	890	1.70	
70	890	24.99	870	1.95	
75	840	23.36	860	2.0	
87	725	20.19	830	2.2	JRTK39DN80M4
102	615	17.15	800	2.6	JRTKF39DN80M4
114	550	15.31	785	2.8	JRTKA39DN80M4
134	470	13.08	755	3.1	JRTKAF39DN80M4
144	435	12.14	745	3.2	
167	375	10.49	715	3.8	
196	320	8.91	685	4.4	
220	285	7.96	665	4.8	
1.5HP					
0.19	412100	9363	42700	1.05	
0.22	350400	8126	42700	1.25	
0.24	338800	7343	42700	1.30	
0.26	309000	6747	42700	1.45	JRTK189R99DN90S4
0.29	271000	5991	42700	1.65	JRTKH189R99DN90S4
0.33	239100	5358	42700	1.85	
0.37	212000	4817	42700	2.1	
0.40	192300	4370	42700	2.3	
0.49	170300	3609	42700	2.6	JRTK189R99DN90S4 JRTKH189R99DN90S4
0.33	242200	5355	33700	1.15	
0.37	213700	4788	33700	1.30	
0.43	186800	4079	33700	1.50	JRTK169R99DN90S4
0.52	155700	3376	33700	1.80	JRTKH169R99DN90S4
0.64	124600	2755	33700	2.3	
0.81	102900	2182	33700	2.8	
1.0	78900	1704	33700	3.6	JRTK169R99DN90S4
1.2	65700	1408	33700	4.3	JRTKH169R99DN90S4
1.4	60000	1296	33700	4.7	
0.50	156900	3516	25200	1.00	JRTK159R99DN90S4
0.58	140800	3051	25400	1.15	JRTKF159R99DN90S4
0.68	114800	2610	25700	1.40	JRTKA159R99DN90S4
0.76	102200	2322	25800	1.55	JRTKAF159R99DN90S4
1.1	77400	1659	26000	2.1	
1.3	62500	1365	26100	2.5	JRTK159R99DN90S4
1.4	55500	1229	26100	2.9	JRTKF159R99DN90S4
1.6	49400	1093	26100	3.2	JRTKA159R99DN90S4
1.9	42500	942	26100	3.7	JRTKAF159R99DN90S4
2.1	38000	854	26200	4.2	
0.78	105900	2268	17900	1.10	JRTK129R79DN90S4 JRTKF129R79DN90S4 JRTKA129R79DN90S4 JRTKAF129R79DN90S4
0.91	93400	1926	18100	1.25	JRTK129R79DN90S4
1.0	85200	1757	18200	1.35	JRTKF129R79DN90S4
1.1	74400	1541	18300	1.55	JRTKA129R79DN90S4
1.3	65000	1342	18400	1.75	JRTKAF129R79DN90S4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.5HP					
1.5	56800	1177	18400	2.0	
1.7	49700	1025	18500	2.3	
2.0	43400	899	18500	2.6	JRTK129R79DN90S4
2.2	37100	790	18500	3.1	JRTKF129R79DN90S4
2.5	33800	704	18500	3.4	JRTKA129R79DN90S4
2.9	29000	610	18600	4.0	JRTKAF129R79DN90S4
3.2	26200	549	18600	4.4	
3.7	22400	477	18600	5.1	
1.3	65000	1336	14600	1.10	
1.5	56700	1166	14600	1.25	
1.7	49200	1030	14600	1.45	
1.9	42900	904	14600	1.65	
2.2	38400	793	14600	1.85	
2.5	33600	696	14600	2.1	JRTK109R79DN90S4
2.9	29200	615	14600	2.4	JRTKF109R79DN90S4
3.4	24800	522	14600	2.9	JRTKA109R79DN90S4
3.8	21700	461	14600	3.2	JRTKAF109R79DN90S4
4.3	19100	408	14600	3.7	
4.8	17400	364	14600	4.1	
5.5	15200	318	14600	4.6	
2.4	35900	743	8990	1.05	
2.7	31600	652	8990	1.20	
3.1	28300	573	8990	1.35	JRTK99R59DN90S4
3.5	24300	504	8990	1.55	JRTKF99R59DN90S4
4.0	21000	437	8990	1.80	JRTKA99R59DN90S4
4.6	18600	382	8990	2.0	JRTKAF99R59DN90S4
5.2	16300	342	8990	2.3	
5.8	15000	305	8990	2.5	
3.7	23000	474	6160	1.05	
4.1	20700	426	6230	1.15	
4.7	18200	373	6290	1.30	
5.3	15900	330	6340	1.50	JRTK89R59DN90S4
6.0	14200	294	6380	1.70	JRTKF89R59DN90S4
7.0	12300	250	6420	1.95	JRTKA89R59DN90S4
7.5	11600	236	6430	2.1	JRTKAF89R59DN90S4
8.8	9840	201	6450	2.4	
9.6	8920	183	6470	2.7	
7.0	12300	252	3680	1.10	
8.0	10800	221	3690	1.25	JRTK79R39DN90S4
9.0	9550	195	4040	1.45	JRTKF79R39DN90S4
10	8500	175	4150	1.60	JRTKA79R39DN90S4
11	7500	154	4230	1.85	JRTKAF79R39DN90S4
12	7120	144	2350	1.00	JRTK69R39DN90S4
14	6030	122	2560	1.20	JRTKF69R39DN90S4 JRTKA69R39DN90S4 JRTKAF69R39DN90S4
7.7	12200	153.21	8990	3.1	JRTK99DN90L6
8.4	11200	140.28	8990	3.4	JRTKF99DN90L6
9.6	9900	123.93	8990	3.8	JRTKA99DN90L6 JRTKAF99DN90L6
10	9440	176.05	8990	4.0	JRTK99DN90S4
12	8210	153.21	8990	4.6	JRTKF99DN90S4
13	7520	140.28	8990	5.1	JRTKA99DN90S4 JRTKAF99DN90S4





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H0} [lbf]	Service factor f_s	Model
1.5HP					
9.3	10100	126.91	6450	2.4	JRTK89DN90L6 JRTKF89DN90L6 JRTKA89DN90L6 JRTKAF89DN90L6
8.9	10500	197.37	6440	2.3	JRTK89DN90S4 JRTKF89DN90S4 JRTKA89DN90S4 JRTKAF89DN90S4
10	9340	174.19	6460	2.6	
11	8810	164.34	6470	2.7	
12	7900	147.32	6480	3.0	
14	6800	126.91	6490	3.5	
15	6210	115.82	6500	3.9	
12	7750	97.05	4210	1.75	JRTK79DN90L6 JRTKF79DN90L6 JRTKA79DN90L6 JRTKAF79DN90L6
11	8260	154.02	4170	1.65	JRTK79DN90S4 JRTKF79DN90S4 JRTKA79DN90S4 JRTKAF79DN90S4
13	7250	135.28	4250	1.90	
14	6890	128.52	4280	2.0	
16	6090	113.56	4340	2.2	
18	5200	97.05	4390	2.6	
20	4770	88.97	4410	2.9	
23	4180	78.07	4440	3.3	JRTK69DN90S4 JRTKF69DN90S4 JRTKA69DN90S4 JRTKAF69DN90S4
24	3960	73.99	4450	3.5	
14	6620	123.54	2450	1.10	
16	5790	108.03	2600	1.25	
17	5500	102.62	2640	1.30	
20	4820	90.04	2740	1.50	
23	4090	76.37	2820	1.75	JRTK59DN90S4 JRTKF59DN90S4 JRTKA59DN90S4 JRTKAF59DN90S4
26	3690	68.95	2860	1.95	
29	3250	60.66	2900	2.2	
31	3070	57.28	2920	2.4	
36	2610	48.77	2920	2.8	
40	2370	44.32	2920	3.0	
46	2050	38.39	2920	3.4	JRTK49DN90S4 JRTKF49DN90S4 JRTKA49DN90S4 JRTKAF49DN90S4
20	4840	90.26	1810	1.10	
23	4100	76.56	1930	1.30	
25	3700	69.12	1980	1.45	
29	3260	60.81	2030	1.65	
31	3070	57.42	2040	1.70	
36	2620	48.89	2090	2.0	JRTK39DN90S4 JRTKF39DN90S4 JRTKA39DN90S4 JRTKAF39DN90S4
40	2380	44.43	2110	2.2	
46	2060	38.49	2140	2.6	
49	1910	35.70	2150	2.8	
58	1620	30.28	2070	3.3	
64	1460	27.34	2020	3.6	
73	1290	24.05	1950	4.1	JRTK29DN90S4 JRTKF29DN90S4 JRTKA29DN90S4 JRTKAF29DN90S4
78	1210	22.71	1920	4.4	
91	1030	19.34	1840	4.9	
100	940	17.57	1790	5.2	
116	810	15.22	1720	5.8	
133	710	13.25	1660	6.3	
148	635	11.92	1590	5.7	JRTK19DN90S4 JRTKF19DN90S4 JRTKA19DN90S4 JRTKAF19DN90S4
157	600	11.26	1570	6.1	
184	510	9.59	1500	7.0	
202	465	8.71	1460	7.4	
234	400	7.55	1390	8.0	
268	350	6.57	1340	8.7	
376	250	4.69	1210	11	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H0} [lbf]	Service factor f_s	Model	
1.5HP						
28	3390	63.30	1380	1.05	JRTK49DN90S4 JRTKF49DN90S4 JRTKA49DN90S4 JRTKAF49DN90S4	
31	3040	58.83	1490	1.15		
36	2620	48.95	1590	1.35		
38	2460	46.03	1590	1.45		
44	2120	39.61	1560	1.65		
50	1890	35.39	1530	1.85		
56	1670	31.30	1500	2.1		
60	1570	29.32	1480	2.2		
68	1380	25.91	1440	2.5		
73	1290	24.06	1420	2.7		
81	1160	21.81	1390	3.0	JRTK39DN90S4 JRTKF39DN90S4 JRTKA39DN90S4 JRTKAF39DN90S4	
90	1050	19.58	1350	3.4		
59	1600	29.96	765	1.10		
61	1540	28.83	765	1.15		
71	1340	24.99	760	1.30		
75	1250	23.36	760	1.40		
87	1080	20.19	745	1.50		
103	920	17.15	730	1.75		
115	820	15.31	720	1.90		
135	700	13.08	700	2.1		
145	650	12.14	690	2.2	JRTK29DN90S4 JRTKF29DN90S4 JRTKA29DN90S4 JRTKAF29DN90S4	
168	560	10.49	675	2.5		
198	475	8.91	650	3.0		
221	425	7.96	635	3.2		
259	360	6.80	610	3.6		
277	340	6.37	600	3.8		
329	285	5.36	575	4.3		
443	210	3.98	530	5.2		
2.0HP						
0.26	419000	6747	42700	1.05		JRTK189R99DN90L4 JRTKF189R99DN90L4 JRTKA189R99DN90L4 JRTKAF189R99DN90L4
0.29	368700	5991	42700	1.20		
0.33	326400	5358	42700	1.35		
0.37	290500	4817	42700	1.50		
0.40	263600	4370	42700	1.70		
0.49	229800	3609	42700	1.90	JRTK169R99DN90L4 JRTKF169R99DN90L4 JRTKA169R99DN90L4 JRTKAF169R99DN90L4	
0.58	193400	3062	42700	2.3		
0.70	156900	2519	42700	2.8		
0.78	139800	2268	42700	3.2		
0.43	253300	4079	33700	1.10		JRTK169R99DN90L4 JRTKF169R99DN90L4 JRTKA169R99DN90L4 JRTKAF169R99DN90L4
0.52	210800	3376	33700	1.35		
0.64	169500	2755	33700	1.65		
0.81	138900	2182	33700	2.0		
1.0	107100	1704	33700	2.6	JRTK159R99DN90L4 JRTKF159R99DN90L4 JRTKA159R99DN90L4 JRTKAF159R99DN90L4	
1.3	88900	1408	33700	3.2		
1.4	81400	1296	33700	3.5		
0.76	140000	2322	25400	1.15		
1.1	104800	1659	25800	1.50		JRTK159R99DN90L4 JRTKF159R99DN90L4 JRTKA159R99DN90L4 JRTKAF159R99DN90L4
1.3	85000	1365	25900	1.85		
1.4	75800	1229	26000	2.1		
1.6	67400	1093	26000	2.4		
1.9	58100	942	26100	2.7	JRTK129R89DN90L4 JRTKF129R89DN90L4 JRTKA129R89DN90L4 JRTKAF129R89DN90L4	
2.1	52100	854	26100	3.1		
3.1	34000	567	26200	4.7		
3.5	30300	504	26200	5.2		
3.3	33200	536	18500	3.5		JRTK129R89DN90L4 JRTKF129R89DN90L4 JRTKA129R89DN90L4 JRTKAF129R89DN90L4
4.2	26100	418	18600	4.4		
4.8	23100	367	18600	5.0		

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
2.0HP					
1.0	114200	1757	17800	1.00	
1.1	99900	1541	18000	1.15	
1.3	87200	1342	18100	1.30	
1.5	76300	1177	18300	1.50	
1.7	66600	1025	18300	1.75	JRTK129R79DN90L4
2.0	58200	899	18400	1.95	JRTKF129R79DN90L4
2.2	50200	790	18500	2.3	JRTKA129R79DN90L4
2.5	45400	704	18500	2.5	JRTKAF129R79DN90L4
2.9	39100	610	18500	2.9	
3.2	35300	549	18500	3.3	
3.7	30300	477	18600	3.8	
4.2	26900	418	18600	4.3	
1.7	66200	1030	14600	1.05	
2.0	57800	904	14600	1.20	
2.2	51500	793	14600	1.35	
2.5	45000	696	14600	1.55	JRTK109R79DN90L4
2.9	39400	615	14600	1.80	JRTKF109R79DN90L4
3.4	33400	522	14600	2.1	JRTKA109R79DN90L4
3.8	29300	461	14600	2.4	JRTKAF109R79DN90L4
4.3	25900	408	14600	2.7	
4.9	23400	364	14600	3.0	
5.6	20500	318	14600	3.5	
3.1	37900	573	8990	1.00	
3.5	32600	504	8990	1.15	
4.0	28200	437	8990	1.35	
4.6	24900	382	8990	1.55	JRTK99R59DN90L4
5.2	22000	342	8990	1.75	JRTKF99R59DN90L4
5.8	20100	305	8990	1.90	JRTKA99R59DN90L4
6.9	16900	258	8990	2.2	JRTKAF99R59DN90L4
7.6	15200	232	8990	2.5	
8.9	13000	199	8990	2.9	
5.4	21300	330	6210	1.10	
6.0	19100	294	6270	1.25	
7.1	16400	250	6330	1.45	JRTK89R59DN90L4
7.5	15500	236	6350	1.55	JRTKF89R59DN90L4
8.8	13100	201	6400	1.80	JRTKA89R59DN90L4
9.7	11900	183	6420	2.0	JRTKAF89R59DN90L4
11	10300	159	6450	2.3	
13	9170	141	6460	2.5	
9.1	12700	195	3620	1.05	JRTK79R39DN90L4
10	11300	175	3820	1.20	JRTKF79R39DN90L4
11	10000	154	3990	1.35	JRTKA79R39DN90L4
7.7	16300	153.21	8990	2.3	JRTK99DN100L6
8.4	14900	140.28	8990	2.5	JRTKF99DN100L6
9.5	13200	123.93	8990	2.9	JRTKA99DN100L6
10	12500	176.05	8990	3.0	JRTK99DN90L4
12	10900	153.21	8990	3.5	JRTKF99DN90L4
13	10000	140.28	8990	3.8	JRTKA99DN90L4
14	8830	123.93	8990	4.3	JRTKAF99DN90L4
9.3	13500	126.91	6390	1.75	JRTK89DN100L6
10	12300	115.82	6410	1.95	JRTKF89DN100L6
12	10900	102.71	6440	2.2	JRTKA89DN100L6
10	12400	174.19	6410	1.90	
11	11700	164.34	6420	2.0	
12	10500	147.32	6440	2.3	JRTK89DN90L4
14	9050	126.91	6460	2.6	JRTKF89DN90L4
15	8250	115.82	6480	2.9	JRTKA89DN90L4
17	7320	102.71	6490	3.3	JRTKAF89DN90L4
20	6150	86.34	6500	3.9	
12	10300	97.05	3950	1.30	JRTK79DN100L6
13	9490	88.97	4050	1.45	JRTKF79DN100L6
15	8330	78.07	4160	1.65	JRTKA79DN100L6

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
2.0HP					
13	9640	135.28	4030	1.40	
14	9160	128.52	4080	1.50	
16	8090	113.56	4180	1.70	
18	6920	97.05	4280	2.0	
20	6340	88.97	4320	2.2	JRTK79DN90L4
23	5560	78.07	4370	2.5	JRTKF79DN90L4
24	5270	73.99	4380	2.6	JRTKA79DN90L4
27	4610	64.75	4420	3.0	JRTKAF79DN90L4
30	4160	58.34	4440	3.3	
35	3640	51.18	4460	3.8	
39	3220	45.16	4470	4.3	
44	2850	40.04	4480	4.8	
20	6420	90.04	2490	1.15	
23	5440	76.37	2650	1.35	
26	4910	68.95	2730	1.50	
29	4320	60.66	2800	1.70	
31	4080	57.28	2830	1.80	JRTK69DN90L4
36	3470	48.77	2880	2.1	JRTKF69DN90L4
40	3160	44.32	2910	2.3	JRTKA69DN90L4
46	2730	38.39	2920	2.6	JRTKAF69DN90L4
50	2530	35.62	2920	2.9	
58	2150	30.22	2920	3.4	
65	1940	27.28	2920	3.7	
74	1710	24.00	2920	4.1	
26	4920	69.12	1790	1.10	
29	4330	60.81	1900	1.20	
31	4090	57.42	1930	1.30	
36	3480	48.89	2000	1.50	
40	3160	44.43	2040	1.70	JRTK59DN90L4
46	2740	38.49	2070	1.95	JRTKF59DN90L4
49	2540	35.70	2040	2.1	JRTKA59DN90L4
58	2150	30.28	1980	2.5	JRTKAF59DN90L4
65	1940	27.34	1930	2.7	
73	1710	24.05	1880	3.1	
78	1610	22.71	1850	3.3	
91	1370	19.34	1780	3.7	
38	3280	46.03	1420	1.10	
45	2820	39.61	1420	1.25	
50	2520	35.39	1410	1.40	
56	2230	31.30	1390	1.60	
60	2090	29.32	1380	1.70	
68	1840	25.91	1350	1.90	JRTK49DN90L4
73	1710	24.06	1330	2.1	JRTKF49DN90L4
81	1550	21.81	1310	2.3	JRTKA49DN90L4
90	1390	19.58	1290	2.5	JRTKAF49DN90L4
105	1200	16.86	1250	2.8	
111	1130	15.86	1230	3.0	
129	970	13.65	1190	3.3	
145	860	12.19	1160	3.6	
150	830	11.77	1140	3.0	
76	1660	23.36	660	1.05	
88	1430	20.19	665	1.15	
103	1220	17.15	660	1.30	
115	1090	15.31	655	1.40	
135	930	13.08	645	1.55	
146	860	12.14	640	1.65	JRTK39DN90L4
168	745	10.49	630	1.90	JRTKF39DN90L4
198	635	8.91	615	2.2	JRTKA39DN90L4
222	565	7.96	600	2.4	JRTKAF39DN90L4
260	480	6.80	580	2.7	
278	150	6.37	575	2.8	
329	380	5.36	555	3.2	
444	280	3.98	515	3.9	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.5}$ [lbf]	Service factor f_s	Model
3.0HP					
0.40	408600	4370	42700	1.10	JRTK189R99DN100S4
0.63	254900	2818	42700	1.75	JRTKH189R99DN100S4
0.49	351000	3609	42700	1.25	JRTK189R99DN100S4 JRTKH189R99DN100S4
0.58	296300	3062	42700	1.50	
0.70	241500	2519	42700	1.85	
0.78	216000	2268	42700	2.0	
0.86	194300	2054	42700	2.3	
0.97	170700	1821	42700	2.6	
1.1	151900	1605	42700	2.9	
0.64	260900	2755	33700	1.10	JRTK169R99DN100S4
0.78	207800	2263	33700	1.35	JRTKH169R99DN100S4
0.81	212200	2182	33700	1.35	JRTK169R99DN100S4 JRTKH169R99DN100S4
1.0	164300	1704	33700	1.70	
1.2	136200	1408	33700	2.1	
1.4	124900	1296	33700	2.3	
1.6	103200	1101	33700	2.7	
1.9	89300	944	33700	3.2	
1.1	160500	1659	25200	1.00	JRTK159R99DN100S4 JRTKF159R99DN100S4 JRTKA159R99DN100S4 JRTKAF159R99DN100S4
1.3	130800	1365	25500	1.20	
1.4	117000	1229	25700	1.35	
1.6	104100	1093	25800	1.55	
1.9	89700	942	25900	1.75	
2.1	80700	854	26000	1.95	
2.3	69200	756	26000	2.3	
3.1	53100	567	26100	3.0	
3.3	51100	536	18500	2.2	JRTK129R89DN100S4 JRTKF129R89DN100S4 JRTKA129R89DN100S4 JRTKAF129R89DN100S4
3.7	44600	473	18500	2.6	
4.2	40300	418	18500	2.9	
4.8	35400	367	18500	3.2	
5.3	31700	330	18600	3.6	
1.7	101000	1025	18000	1.15	JRTK129R79DN100S4 JRTKF129R79DN100S4 JRTKA129R79DN100S4 JRTKAF129R79DN100S4
2.0	88400	899	18100	1.30	
2.2	76700	790	18200	1.50	
2.5	69000	704	18300	1.65	
2.9	59600	610	18400	1.95	
3.2	53700	549	18400	2.1	
3.7	46300	477	18500	2.5	
4.2	40900	418	18500	2.8	
2.5	68400	696	14600	1.05	JRTK109R79DN100S4 JRTKF109R79DN100S4 JRTKA109R79DN100S4 JRTKAF109R79DN100S4
2.9	60000	615	14600	1.20	
3.4	50900	522	14600	1.40	
3.8	44800	461	14600	1.60	
4.3	39600	408	14600	1.80	
4.8	35600	364	14600	2.0	
5.5	31100	318	14600	2.3	
6.2	28000	286	14600	2.5	
7.0	24500	251	14600	2.9	
4.6	37700	382	8990	1.00	JRTK99R59DN100S4 JRTKF99R59DN100S4 JRTKA99R59DN100S4 JRTKAF99R59DN100S4
5.2	33500	342	8990	1.15	
5.8	30400	305	8990	1.25	
6.8	25600	258	8990	1.50	
7.6	23100	232	8990	1.65	
8.8	19800	199	8990	1.90	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.5}$ [lbf]	Service factor f_s	Model
3.0HP					
7.5	23500	238	6140	1.00	JRTK89R59DN100S4 JRTKF89R59DN100S4 JRTKA89R59DN100S4 JRTKAF89R59DN100S4
8.8	20000	201	6250	1.20	
9.6	18100	183	6290	1.30	
11	15700	159	6350	1.50	
13	13900	141	6380	1.65	
9.5	19800	123.93	8990	1.90	JRTK99DN112M6
11	16800	105.13	8990	2.3	JRTKF99DN112M6 JRTKA99DN112M6 JRTKAF99DN112M6
10	18800	176.05	8990	2.0	JRTK99DN100S4 JRTKF99DN100S4 JRTKA99DN100S4 JRTKAF99DN100S4
12	16400	153.21	8990	2.3	
13	15000	140.28	8990	2.5	
14	13200	123.93	8990	2.9	
17	11200	105.13	8990	3.4	
18	10300	96.80	8990	3.7	JRTK89DN100S4 JRTKF89DN100S4 JRTKA89DN100S4 JRTKAF89DN100S4
12	15800	147.32	6350	1.50	
14	13600	126.91	6390	1.75	
15	12400	115.62	6410	1.90	
17	11000	102.71	6440	2.2	
20	9260	86.34	6460	2.6	
22	8510	79.34	6470	2.8	
25	7550	70.46	6480	3.2	
28	6750	63.00	6490	3.5	
16	12100	113.56	3710	1.15	JRTK79DN100S4 JRTKF79DN100S4 JRTKA79DN100S4 JRTKAF79DN100S4
18	10400	97.05	3940	1.30	
20	9540	88.97	4040	1.45	
23	8370	78.07	4160	1.65	
24	7930	73.99	4200	1.75	
27	6940	64.75	4280	1.95	
30	6250	58.34	4320	2.2	
34	5490	51.18	4370	2.5	
39	4840	45.16	4410	2.8	
44	4290	40.04	4430	3.2	
50	3770	35.20	4450	3.6	
57	3310	30.89	4470	4.1	
60	3130	29.27	4480	4.4	
69	2740	25.62	4490	5.0	
29	6500	60.66	2470	1.10	JRTK69DN100S4 JRTKF69DN100S4 JRTKA69DN100S4 JRTKAF69DN100S4
31	6140	57.28	2540	1.20	
36	5230	48.77	2680	1.40	
40	4750	44.32	2750	1.55	
46	4110	38.39	2820	1.70	
49	3820	35.62	2850	1.90	
58	3240	30.22	2900	2.2	
65	2920	27.28	2920	2.5	
73	2570	24.00	2920	2.8	
78	2430	22.66	2920	2.8	
91	2060	19.30	2920	3.2	
101	1880	17.54	2920	3.5	
116	1620	15.19	2920	3.8	
133	1410	13.22	2920	4.2	
141	1330	12.48	2920	3.5	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
3.0HP					
166	1140	10.63	2920	3.9	JRTK69DN100S4
182	1030	9.66	2910	4.1	JRTKF69DN100S4
211	890	8.37	2800	4.3	JRTKA69DN100S4
242	780	7.28	2700	4.8	JRTKAF69DN100S4
339	555	5.20	2460	5.5	
36	5240	48.89	1730	1.00	
40	4760	44.43	1830	1.10	
46	4120	38.49	1850	1.30	
49	3820	35.70	1830	1.40	
58	3240	30.28	1800	1.65	
64	2930	27.34	1770	1.80	JRTK59DN100S4
73	2580	24.05	1740	2.1	JRTKF59DN100S4
78	2430	22.71	1720	2.2	JRTKA59DN100S4
91	2070	19.34	1670	2.5	JRTKAF59DN100S4
100	1880	17.57	1640	2.6	
116	1630	15.22	1590	2.9	
133	1420	13.25	1540	3.2	
148	1270	11.92	1470	2.9	
157	1200	11.26	1450	3.0	
68	2770	25.91	1170	1.25	
81	2330	21.81	1160	1.50	
90	2100	19.58	150	1.70	
104	1800	16.86	1130	1.85	
111	1700	15.86	1120	2.0	JRTK49DN100S4
129	1460	13.65	1100	2.2	JRTKF49DN100S4
145	1300	12.19	1080	2.4	JRTKA49DN100S4
150	1260	11.77	1060	1.95	JRTKAF49DN100S4
167	1130	10.56	1040	2.2	
194	970	9.10	1010	2.5	
206	910	8.56	990	2.6	
239	785	7.36	960	2.8	
135	1400	13.08	540	1.05	
168	1120	10.49	545	1.25	
198	950	8.91	540	1.50	JRTK39DN100S4
221	850	7.96	535	1.60	JRTKF39DN100S4
259	725	6.80	525	1.80	JRTKA39DN100S4
277	680	6.37	520	1.90	JRTKAF39DN100S4
329	575	5.36	510	2.1	
443	425	3.98	480	2.6	
4.0HP					
0.63	347700	2818	42700	1.25	JRTK189R99DN100L4 JRTKH189R99DN100L4
0.58	398200	3062	42700	1.10	
0.70	325400	2519	42700	1.35	
0.78	291600	2268	42700	1.50	
0.86	262700	2054	42700	1.70	JRTK189R99DN100L4
0.97	231300	1821	42700	1.90	JRTKH189R99DN100L4
1.1	205300	1605	42700	2.1	
1.3	174300	1395	42700	2.5	
1.5	151900	1196	42700	2.9	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
4.0HP					
1.0	221100	1704	33700	1.30	
1.2	193100	1408	33700	1.55	
1.4	168100	1296	33700	1.70	
1.6	139800	1101	33700	2.0	JRTK169R99DN100L4
1.9	120800	944	33700	2.3	JRTKH169R99DN100L4
2.1	105300	843	33700	2.7	
2.3	95500	757	33700	3.0	
1.4	158000	1229	25200	1.00	
1.6	140500	1093	25400	1.15	
1.9	121100	942	25600	1.30	JRTK159R99DN100L4
2.1	109200	854	25700	1.45	JRTKF159R99DN100L4
2.3	94400	756	25900	1.70	JRTKA159R99DN100L4
3.1	71900	567	26000	2.2	JRTKAF159R99DN100L4
3.5	64000	504	26100	2.5	
3.3	69000	536	18300	1.65	
3.7	60400	473	18400	1.90	JRTK129R89DN100L4
4.2	54400	418	18400	2.1	JRTKF129R89DN100L4
4.8	47700	367	18500	2.4	JRTKA129R89DN100L4
5.3	42700	330	18500	2.7	JRTKAF129R89DN100L4
6.2	36500	287	18500	3.1	
2.2	103100	790	18000	1.10	
2.5	92500	704	18100	1.25	JRTK129R79DN100L4
2.9	79900	610	18200	1.45	JRTKF129R79DN100L4
3.2	72000	549	18300	1.60	JRTKA129R79DN100L4
3.7	62200	477	18400	1.85	JRTKAF129R79DN100L4
4.2	54900	418	18400	2.1	
3.8	60100	461	14600	1.20	
4.3	53200	408	14600	1.35	
4.8	47700	364	14600	1.50	
5.5	41700	318	14600	1.70	
6.2	37500	286	14600	1.90	JRTK109R79DN100L4
7.0	32900	251	14600	2.1	JRTKF109R79DN100L4
8.0	28900	222	14600	2.4	JRTKA109R79DN100L4
9.0	25600	196	14600	2.8	JRTKAF109R79DN100L4
10	22900	174	14600	2.8	
11	20200	154	14600	3.1	
13	18400	140	14600	3.5	
6.8	34300	258	8990	1.10	JRTK99R59DN100L4
7.6	30900	232	8990	1.25	JRTKF99R59DN100L4
8.8	26500	199	8990	1.45	JRTKA99R59DN100L4
					JRTKAF99R59DN100L4
8.2	30600	143.47	14600	2.3	
9.7	25900	121.46	14600	2.7	JRTK109DN132S6
10	24000	112.41	14600	2.9	JRTKF109DN132S6
12	21500	100.75	14600	3.3	JRTKA109DN132S6
					JRTKAF109DN132S6
12	20500	143.47	14600	3.5	JRTK109DN100L4
15	17300	121.46	14600	4.1	JRTKF109DN100L4
					JRTKA109DN100L4
					JRTKAF109DN100L4
9.5	26500	123.93	8990	1.45	JRTK99DN132S6
11	22400	105.13	8990	1.70	JRTKF99DN132S6
12	20700	96.80	8990	1.85	JRTKA99DN132S6
14	18500	86.52	8990	2.1	JRTKAF99DN132S6





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
4.0HP					
10	25100	176.05	8990	1.50	
12	21900	153.21	8990	1.75	
13	20000	140.28	8990	1.90	
14	17700	123.93	8990	2.1	JRTK99DN100L4
17	15000	105.13	8990	2.5	JRTKF99DN100L4
18	13800	96.80	8990	2.8	JRTKA99DN100L4
20	12300	86.52	8990	3.1	JRTKAF99DN100L4
23	11100	77.89	8990	3.4	
25	10000	70.54	8990	3.8	
28	8940	62.55	8990	4.3	
31	8080	56.55	8990	4.7	
12	21000	147.32	6220	1.15	
14	18100	126.91	6290	1.30	
15	16500	115.82	6330	1.45	
17	14600	102.71	6370	1.65	
20	12300	86.34	6410	1.95	JRTK89DN100L4
22	11300	79.34	6430	2.1	JRTKF89DN100L4
25	10000	70.46	6450	2.4	JRTK89DN100L4
28	9000	63.00	6470	2.6	JRTAKF89DN100L4
31	8090	56.64	6480	3.0	
36	7020	49.16	6490	3.4	
40	6290	44.02	6330	3.7	
48	5220	36.52	6060	4.2	
20	12700	88.97	3620	1.10	
23	11100	78.07	3850	1.25	
24	10500	73.99	3920	1.30	
27	9250	64.75	4070	1.50	
30	8330	58.34	4160	1.65	JRTK79DN100L4
34	7310	51.18	4250	1.85	JRTKF79DN100L4
39	6450	45.16	4310	2.1	JRTKA79DN100L4
44	5720	40.04	4360	2.4	JRTKAF79DN100L4
50	5030	35.20	4400	2.7	
57	4410	30.89	4430	3.1	
40	6330	44.32	2510	1.15	
46	5480	38.39	2650	1.30	
50	5090	35.62	2700	1.45	
58	4310	30.22	2800	1.70	
65	3890	27.28	2840	1.85	
73	3420	24.00	2890	2.1	JRTS69DN100L4
78	3230	22.66	2900	2.1	JRTSF69DN100L4
91	2750	19.30	2920	2.4	JRTSA69DN100L4
101	2500	17.54	2920	2.6	JRTSAF69DN100L4
116	2170	15.19	2920	2.9	
133	1880	13.22	2920	3.1	
141	1780	12.48	2920	2.6	
166	1510	10.63	2910	2.9	
183	1380	9.66	2850	3.1	
58	4320	30.28	1620	1.25	
64	3900	27.34	1610	1.35	
73	3430	24.05	1590	1.55	JRTK59DN100L4
78	3240	22.71	1580	1.65	JRTKF59DN100L4
91	2760	19.34	1550	1.85	JRTKA59DN100L4
100	2510	17.57	1530	1.95	JRTKAF59DN100L4
116	2170	15.22	1500	2.2	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
4.0HP					
133	1890	13.25	1460	2.4	
148	1700	11.92	1390	2.1	
157	1600	11.26	1380	2.3	
184	1370	9.59	1330	2.6	JRTK59DN100L4
202	1240	8.71	1310	2.8	JRTKF59DN100L4
234	1070	7.55	1270	3.0	JRTKA59DN100L4
268	930	6.57	1230	3.2	JRTKAF59DN100L4
376	670	4.69	1130	4.0	
90	2790	19.58	1020	1.25	
105	2410	16.86	1020	1.40	
111	2260	15.86	1010	1.50	
129	1950	13.65	1000	1.65	
145	1740	12.19	990	1.80	
150	1680	11.77	970	1.45	JRTK49DN100L4
167	1510	10.56	960	1.65	JRTKF49DN100L4
194	1300	9.10	940	1.90	JRTKA49DN100L4
206	1220	8.56	930	1.95	JRTKAF49DN100L4
239	1050	7.36	910	2.1	
268	940	6.58	890	2.3	
303	830	5.81	870	2.5	
380	660	4.64	830	2.7	
198	1270	8.91	465	1.10	
222	1130	7.96	470	1.20	
259	970	6.80	470	1.35	JRTK39DN100L4
277	910	6.37	470	1.40	JRTKF39DN100L4
329	765	5.36	465	1.60	JRTKA39DN100L4
443	565	3.98	450	1.95	JRTKAF39DN100L4
5.0HP					
0.62	441900	2818	42700	1.00	JRTK189R99DN100L4
					JRTKH189R99DN100L4
0.70	410700	2519	42700	1.10	
0.78	368300	2268	42700	1.20	
0.86	332300	2054	42700	1.35	
0.97	293000	1821	42700	1.50	JRTK189R99DN100L4
1.1	259700	1605	42700	1.70	JRTKH189R99DN100L4
1.3	221500	1395	42700	2.0	
1.5	192400	1196	42700	2.3	
1.7	168200	1046	42700	2.6	
1.9	151300	945	42700	2.9	
1.0	278700	1704	33700	1.00	
1.2	230700	1408	33700	1.25	
1.4	212000	1296	33700	1.35	
1.6	177100	1101	33700	1.60	JRTK169R99DN100L4
1.9	152700	944	33700	1.85	JRTKH169R99DN100L4
2.1	133900	843	33700	2.1	
2.3	121200	757	33700	2.3	
2.8	101700	632	33700	2.8	
1.9	15300	942	25300	1.05	
2.1	138100	854	25500	1.15	
2.3	120000	756	25600	1.35	JRTK159R99DN100L4
3.1	91100	567	25900	1.75	JRTKF159R99DN100L4
3.5	81100	504	26000	1.95	JRTKA159R99DN100L4
4.0	68900	434	26000	2.3	JRTKAF159R99DN100L4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
5.0HP					
3.3	87100	536	18100	1.30	
3.7	76400	473	18300	1.50	
4.2	68700	418	18300	1.65	JRTK129R89DN100L4
4.8	60100	367	18400	1.90	JRTKF129R89DN100L4
5.3	53900	330	18400	2.1	JRTKA129R89DN100L4
6.1	46200	287	18500	2.5	JRTKAF129R89DN100L4
6.9	40900	253	18500	2.8	
2.5	116300	704	17800	1.00	
2.9	100600	610	18000	1.15	JRTK129R79DN100L4
3.2	90600	549	18100	1.25	JRTKF129R79DN100L4
3.7	78400	477	18200	1.45	JRTKA129R79DN100L4
4.2	69000	418	18300	1.65	JRTKAF129R79DN100L4
4.3	67000	408	14600	1.05	
4.8	60000	364	14600	1.20	
5.5	52500	318	14600	1.35	
6.1	47200	286	14600	1.50	JRTK109R79DN100L4
7.0	41400	251	14600	1.70	JRTKF109R79DN100L4
7.9	36400	222	14600	1.95	JRTKA109R79DN100L4
8.9	32200	196	14600	2.2	JRTKAF109R79DN100L4
10	28800	174	14600	2.2	
11	25500	154	14600	2.5	
13	23100	140	14600	2.8	
7.6	38800	232	8990	1.00	JRTK99R59DN100L4
8.8	33300	199	8990	1.15	JRTKF99R59DN100L4
					JRTKA99R59DN100L4
					JRTKAF99R59DN100L4
12	25700	143.47	14600	2.8	JRTK109DN100L4
14	21700	121.46	14600	3.2	JRTKF109DN100L4
					JRTKA109DN100L4
					JRTKAF109DN100L4
10.0	31500	176.05	8990	1.20	
11	24700	153.21	8990	1.40	
13	25100	140.28	8990	1.50	
14	22200	123.93	8990	1.70	
17	18800	105.13	8990	2.0	JRTK99DN100L4
18	17300	96.80	8990	2.2	JRTKF99DN100L4
20	15500	86.52	8990	2.5	JRTKA99DN100L4
23	13900	77.89	8990	2.7	JRTKAF99DN100L4
25	12600	70.54	8990	3.0	
28	11200	62.55	8990	3.4	
31	10100	56.55	8990	3.8	
14	22700	126.91	6170	1.05	
15	20700	115.81	6230	1.15	
17	18400	102.71	6290	1.30	
20	15400	86.34	6350	1.55	JRTK89DN100L4
22	14200	79.34	6380	1.70	JRTKF89DN100L4
25	12600	70.46	6410	1.90	JRTKA89DN100L4
28	11200	63.00	6430	2.1	JRTKAF89DN100L4
31	10100	56.64	6450	2.4	
36	8800	49.16	6310	2.7	
40	7880	44.02	6170	2.9	
48	6540	36.52	5930	3.4	
23	13900	78.07	3410	1.00	JRTK79DN100L4
24	13200	73.99	3540	1.05	JRTKF79DN100L4
27	11600	64.75	3790	1.20	JRTKA79DN100L4
30	10400	58.34	3940	1.30	JRTKAF79DN100L4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
5.0HP					
34	9170	51.18	4080	1.50	
39	8090	45.16	4180	1.70	
44	7170	40.04	4260	1.90	
46	6870	38.39	4280	1.95	JRTK79DN100L4
50	6300	35.20	4320	2.2	JRTKF79DN100L4
57	5530	30.89	4370	2.5	JRTKA79DN100L4
60	5240	29.27	4380	2.6	JRTKAF79DN100L4
69	4580	25.62	4420	3.0	
46	6870	38.39	2400	1.05	
49	6380	35.62	2500	1.15	
58	5410	30.22	2660	1.35	
64	4880	27.28	2730	1.50	
73	4290	24.00	2800	1.65	
78	4050	22.66	2830	1.70	JRTK69DN100L4
91	3450	19.30	2890	1.95	JRTKF69DN100L4
100	3140	17.54	2910	2.1	JRTKA69DN100L4
116	2720	15.19	2920	2.3	JRTKAF69DN100L4
133	2360	13.22	2920	2.5	
141	2230	12.48	2920	2.1	
165	1900	10.63	2850	2.3	
182	1730	9.66	2790	2.5	
210	1490	8.37	2700	2.6	
241	1300	7.28	2610	2.9	
58	5420	30.28	1440	1.00	
64	4890	27.34	1450	1.10	
73	4310	24.05	1450	1.25	
77	4060	22.71	1450	1.30	
91	3460	19.34	1440	1.45	JRTK59DN100L4
100	3140	17.57	1430	1.55	JRTKF59DN100L4
115	2720	15.22	1410	1.75	JRTKA59DN100L4
133	2370	13.25	1380	1.90	JRTKAF59DN100L4
147	2130	11.92	1310	1.70	
156	2010	11.26	1300	1.80	
183	1710	9.59	1270	2.1	
202	1560	8.71	1250	2.2	
233	1350	7.55	1220	2.4	
268	1170	6.57	1180	2.6	
375	840	4.69	1100	3.2	
90	3500	19.58	880	1.00	
104	3020	16.86	900	1.10	
111	2840	15.86	900	1.20	
129	2440	13.65	910	1.30	
144	2180	12.19	910	1.40	
149	2100	11.77	880	1.15	JRTK49DN100L4
166	1890	10.56	880	1.30	JRTKF49DN100L4
193	1630	9.10	870	1.50	JRTKA49DN100L4
205	1530	8.56	870	1.55	JRTKAF49DN100L4
239	1310	7.36	850	1.70	
267	1170	6.58	840	1.80	
302	1040	5.81	830	1.95	
379	830	4.64	795	2.2	





Output speed n_n [r/min]	Output torque T_n [lbf · in]	Ratio i	Permitted overhung load F_{Rn} [lbf]	Service factor f_s	Model
5.0HP					
259	1210	6.80	415	1.10	JRTK39DN100L4
276	1140	6.37	415	1.10	JRTKF39DN100L4
328	960	5.36	420	1.30	JRTKA39DN100L4
442	710	3.98	415	1.55	JRTKAF39DN100L4
394	800	8.91	420	1.75	JRTK39DN100L2 JRTKF39DN100L2 JRTKA39DN100L2 JRTKAF39DN100L2
441	710	7.96	415	1.90	
516	610	6.80	410	2.2	
551	570	6.37	410	2.2	
654	480	5.36	400	2.6	
882	355	3.98	380	3.1	
5.4HP					
2.1	140900	835	42700	3.1	JRTK189R109DN112M4
3.4	88600	520	42700	5.0	JRTKH189R109DN112M4
0.70	441600	2519	42700	1.00	JRTK189R99DN112M4 JRTKH189R99DN112M4
0.78	396100	2268	42700	1.10	
0.86	357400	2054	42700	1.25	
0.97	315300	1821	42700	1.40	
1.1	279300	1605	42700	1.60	
1.3	238600	1395	42700	1.85	
1.5	207100	1196	42700	2.1	
1.7	181000	1046	42700	2.4	
1.9	162900	945	42700	2.7	
1.3	247900	1408	33700	1.15	JRTK169R99DN112M4 JRTKH169R99DN112M4
1.4	227800	1296	33700	1.25	
1.6	190600	1101	33700	1.50	
1.9	164300	944	33700	1.70	
2.1	144200	843	33700	1.95	
2.3	130400	757	33700	2.2	
2.8	109400	632	33700	2.6	
2.1	148500	854	25300	1.05	JRTK159R99DN112M4 JRTKF159R99DN112M4 JRTKA159R99DN112M4 JRTKAF159R99DN112M4
2.3	129300	756	25600	1.25	
3.1	98000	567	25800	1.60	
3.5	87200	504	25900	1.80	
4.1	74200	434	26000	2.1	
5.3	56900	333	26100	2.8	
3.3	93700	536	18100	1.25	JRTK129R89DN112M4 JRTKF129R89DN112M4 JRTKA129R89DN112M4 JRTKAF129R89DN112M4
3.7	82200	473	18200	1.40	
4.2	73800	418	18300	1.55	
4.8	64600	367	18400	1.80	
5.3	58000	330	18400	2.0	
6.2	49700	287	18500	2.3	
7.0	44000	253	18500	2.6	
2.9	108000	610	17900	1.05	JRTK129R79DN112M4 JRTKF129R79DN112M4 JRTKA129R79DN112M4 JRTKAF129R79DN112M4
3.2	97300	549	18000	1.20	
3.7	84300	477	18200	1.35	
4.2	74200	418	18300	1.55	
4.9	64500	364	14600	1.10	JRTK109R79DN112M4 JRTKF109R79DN112M4 JRTKA109R79DN112M4 JRTKAF109R79DN112M4
5.6	56400	318	14600	1.25	
6.2	50700	286	14600	1.40	
7.0	44400	251	14600	1.60	
8.0	39100	222	14600	1.80	
9.0	34600	196	14600	2.0	
10	31000	174	14600	2.0	
11	27400	154	14600	2.3	
1.3	24900	140	14600	2.6	

Output speed n_n [r/min]	Output torque T_n [lbf · in]	Ratio i	Permitted overhung load F_{Rn} [lbf]	Service factor f_s	Model
5.4HP					
8.9	35800	199	8990	1.05	JRTK99R59DN112M4 JRTKF99R59DN112M4 JRTKA99R59DN112M4 JRTKAF99R59DN112M4
8.1	42000	146.07	18500	2.7	JRTK129DN132S6 JRTKF129DN132S6 JRTKA129DN132S6 JRTKAF129DN132S6
8.7	39200	136.14	18500	2.9	
9.6	35200	122.48	18500	3.3	
11	31700	110.18	18600	3.6	
8.2	41300	143.47	14600	1.70	JRTK109DN132S6 JRTKF109DN132S6 JRTKA109DN132S6 JRTKAF109DN132S6
9.7	34900	121.46	14600	2.0	
11	32300	112.41	14600	2.2	
12	29000	100.75	14600	2.4	
13	26200	90.96	14600	2.7	
12	27500	143.47	14600	2.6	JRTK109DN112M4 JRTKF109DN112M4 JRTKA109DN112M4 JRTKAF109DN112M4
15	23300	121.46	14600	3.0	
16	21600	112.41	14600	3.3	
18	19300	100.75	14600	3.6	
19	17400	90.96	14600	4.0	
21	15800	82.61	14600	4.5	
24	14000	73.30	14300	5.0	
12	29400	153.21	8990	1.30	JRTK99DN112M4 JRTKF99DN112M4 JRTKA99DN112M4 JRTKAF99DN112M4
13	26900	140.28	8990	1.40	
14	23800	123.93	8990	1.60	
17	20200	105.13	8990	1.90	
18	18600	96.80	8990	2.0	
20	16600	86.52	8990	2.3	
23	14900	77.89	8990	2.5	
25	13500	70.54	8990	2.8	
15	22200	115.82	6180	1.05	JRTK89DN112M4 JRTKF89DN112M4 JRTKA89DN112M4 JRTKAF89DN112M4
17	19700	102.71	6250	1.20	
20	16600	86.34	6330	1.45	
22	15200	79.34	6360	1.55	
25	13500	70.46	6390	1.75	
28	12100	63.00	6420	1.95	
31	10800	56.64	6400	2.2	
36	9450	49.16	6230	2.5	
40	8460	44.02	6100	2.7	
48	7020	36.52	5860	3.1	
27	12400	64.75	3670	1.10	JRTK79DN112M4 JRTKF79DN112M4 JRTKA79DN112M4 JRTKAF79DN112M4
30	11200	58.34	3840	1.20	
35	9840	51.18	4010	1.40	
39	8680	45.16	4130	1.60	
44	7700	40.04	4220	1.80	
46	7380	38.39	4240	1.80	
50	6760	35.20	4290	2.0	
57	5930	30.89	4340	2.3	
60	5620	29.27	4360	2.4	
69	4920	25.62	4400	2.8	
77	4430	23.08	4420	3.1	
87	3890	20.25	4450	3.4	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
5.4HP					
59	5800	30.22	2600	1.25	
65	5240	27.28	2680	1.40	
74	4610	24.00	2770	1.55	
78	4350	22.66	2800	1.60	
92	3710	19.30	2860	1.80	
101	3370	17.54	2890	1.95	JRTK09DN112M4
116	2920	15.19	2920	2.1	JRTKF09DN112M4
134	2540	13.22	2920	2.3	JRTKA09DN112M4
142	2400	12.48	2920	1.95	JRTKAF09DN112M4
166	2040	10.63	2820	2.2	
183	1850	9.66	2760	2.3	
211	1600	8.37	2680	2.4	
243	1400	7.28	2590	2.6	
340	1000	5.20	2390	3.1	
65	5250	27.34	1380	1.00	
74	4620	24.05	1390	1.15	
78	4360	22.71	1400	1.20	
91	3710	19.34	1390	1.35	
101	3380	17.57	1390	1.45	
116	2920	15.22	1370	1.60	JRTK59DN112M4
134	2540	13.25	1350	1.75	JRTKF59DN112M4
148	2290	11.92	1280	1.60	JRTKA59DN112M4
157	2160	11.26	1270	1.70	JRTKAF59DN112M4
185	1840	9.59	1240	1.95	
203	1670	8.71	1230	2.1	
234	1450	7.55	1200	2.2	
269	1260	6.57	1160	2.4	
377	900	4.69	1080	2.9	
7.5HP					
2.1	199400	835	42700	2.2	JRTK189R109DN132S4
2.4	172600	729	42700	2.6	JRTKH189R109DN132S4
0.97	442800	1821	42700	1.00	
1.1	391700	1605	42700	1.15	
1.3	336300	1395	42700	1.30	
1.5	290800	1196	42700	1.50	JRTK189R99DN132S4
1.7	254200	1046	42700	1.75	JRTKH189R99DN132S4
1.9	229000	945	42700	1.95	
2.4	179000	738	42700	2.5	
2.9	150400	621	42700	2.9	
1.6	267700	1101	33700	1.05	
1.9	230400	944	33700	1.25	
2.1	203300	843	33700	1.40	
2.3	183400	757	33700	1.55	JRTK169R99DN132S4
2.8	153600	632	33700	1.85	JRTKH169R99DN132S4
3.1	134200	561	33700	2.1	
3.7	116800	481	33700	2.4	
4.2	101300	423	33700	2.8	
4.6	89200	385	25900	1.80	JRTK159R109DN132S4
5.9	70700	299	26000	2.2	JRTKF159R109DN132S4
7.0	59300	253	26100	2.7	JRTKA159R109DN132S4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
7.5HP					
2.7	158200	661	25200	1.00	
3.1	137700	567	25500	1.15	
3.5	122500	504	25600	1.30	JRTK159R99DN132S4
4.1	104600	434	25800	1.50	JRTKF159R99DN132S4
4.7	90800	379	25900	1.75	JRTKA159R99DN132S4
5.3	80200	333	26000	2.0	
6.1	69600	291	26000	2.3	
3.7	115300	473	17800	1.00	
4.2	103400	418	17900	1.10	
4.8	90300	367	18100	1.25	
5.3	81100	330	18200	1.40	JRTK129R89DN132S4
6.2	69800	287	18300	1.65	JRTKF129R89DN132S4
7.0	61700	253	18400	1.85	JRTKA129R89DN132S4
8.3	51900	213	18400	2.2	JRTKAF129R89DN132S4
8.8	49400	200	18500	2.1	
11	40900	166	18500	2.6	
12	36100	147	18500	2.9	
4.2	103500	418	17900	1.10	JRTK129R79DN132S4
6.2	70800	286	14600	1.00	JRTKF129R79DN132S4
7.0	62000	251	14600	1.15	JRTKA129R79DN132S4
8.0	54700	222	14600	1.30	JRTKAF129R79DN132S4
9.0	48400	196	14600	1.45	JRTK109R79DN132S4
10.0	43300	174	14600	1.45	JRTKF109R79DN132S4
11	38300	154	14600	1.65	JRTKA109R79DN132S4
13	34800	140	14600	1.85	JRTKAF109R79DN132S4
8.7	54200	136.14	18400	2.1	JRTK129DN132L6
9.7	48800	122.48	18500	2.4	JRTKF129DN132L6
11	43900	110.18	18500	2.6	JRTKA129DN132L6
13	35800	89.89	18500	3.2	JRTKAF129DN132L6
12	39000	146.07	18500	3.0	JRTK129R79DN132S4
11	44800	112.41	14600	1.60	JRTKF129R79DN132S4
12	40100	100.75	14600	1.75	JRTKA129R79DN132S4
13	36200	90.96	14600	1.95	JRTKAF129R79DN132S4
14	32900	82.61	14600	2.1	JRTK109DN132L6
12	38300	143.47	14600	1.85	JRTKF109DN132L6
15	32400	121.46	14600	2.2	JRTKA109DN132L6
16	30000	112.41	14600	2.4	JRTKAF109DN132L6
18	26900	100.75	14600	2.6	JRTK109DN132S4
19	24300	90.96	14500	2.9	JRTKF109DN132S4
21	22000	82.61	14200	3.2	JRTKA109DN132S4
14	33100	123.93	8990	1.15	JRTK99DN132S4
17	28000	105.13	8990	1.35	JRTKF99DN132S4
18	25800	96.80	8990	1.45	JRTKA99DN132S4
20	23100	86.52	8990	1.65	JRTKAF99DN132S4
23	20800	77.89	8990	1.85	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
7.5HP					
25	18800	70.54	8920	2.0	JRTK99DN132S4 JRTKF99DN132S4 JRTKA99DN132S4 JRTKAF99DN132S4
28	16700	62.55	8730	2.3	
31	15100	56.55	8570	2.5	
37	12800	47.93	8290	3.0	
20	23000	86.34	8160	1.05	
22	21200	79.34	6140	1.15	JRTK89DN132S4 JRTKF89DN132S4 JRTKA89DN132S4 JRTKAF89DN132S4
25	18800	70.46	6100	1.25	
28	16800	63.00	6030	1.40	
31	15100	56.64	5960	1.60	
36	13100	49.16	5860	1.80	
40	11700	44.02	5760	1.95	
48	9760	36.52	5590	2.3	
56	8380	31.39	5430	2.9	
63	7440	27.88	5310	3.1	
35	13600	51.18	3460	1.00	
39	12000	45.16	3720	1.15	JRTK79DN132S4 JRTKF79DN132S4 JRTKA79DN132S4 JRTKAF79DN132S4
44	10700	40.04	3910	1.30	
57	8250	30.89	4170	1.65	
60	7820	29.27	4210	1.75	
69	6840	25.62	4280	2.0	
77	6160	23.08	4330	2.2	
87	5410	20.25	4340	2.5	
99	4770	17.87	4230	2.7	
112	4230	15.84	4120	2.9	
131	3610	13.52	3980	3.3	
143	3300	12.36	3840	2.7	JRTK69DN132S4 JRTKF69DN132S4 JRTKA69DN132S4 JRTKAF69DN132S4
163	2890	10.84	3730	3.0	
74	6410	24.00	2490	1.10	
78	6050	22.66	2560	1.15	
92	5150	19.30	2700	1.30	
101	4680	17.54	2760	1.40	
116	4050	15.19	2830	1.55	
134	3530	13.22	2870	1.70	
142	3330	12.48	2760	1.40	
166	2840	10.63	2960	1.55	JRTK59DN132S4 JRTKF59DN132S4 JRTKA59DN132S4 JRTKAF59DN132S4
183	2580	9.66	2640	1.65	
211	2230	8.37	2570	1.75	
243	1940	7.28	2500	1.90	
340	1390	5.20	2320	2.2	
91	5160	19.34	1150	1.00	
101	4690	17.57	1170	1.05	
116	4060	15.22	1180	1.15	
133	3540	13.25	1180	1.25	
148	3180	11.92	1110	1.15	
157	3000	11.26	1110	1.20	JRTK109R132M4 JRTKF109R132M4 JRTKA109R132M4 JRTKAF109R132M4
184	2560	9.59	1110	1.40	
203	2320	8.71	1100	1.50	
234	2010	7.55	1090	1.60	
269	1750	6.57	1070	1.75	
377	1250	4.69	1020	2.1	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
7.5HP					
370	1270	9.59	1020	2.8	JRTK59DN132S2 JRTKF59DN132S2 JRTKA59DN132S2 JRTKAF59DN132S2
407	1160	8.71	1000	3.0	
470	1000	7.55	980	3.2	
540	870	6.57	950	3.5	
756	625	4.69	880	4.2	
10.0HP					
2.1	267900	835	42700	1.65	JRTK189R109DN132M4 JRTKH189R109DN132M4
2.4	232400	729	42700	1.90	
2.9	198200	622	42700	2.2	
3.4	168500	520	42700	2.6	
1.5	389000	1196	42700	1.15	
1.7	339900	1046	42700	1.30	JRTK189R99DN132M4 JRTKH189R99DN132M4
1.9	306600	945	42700	1.45	
2.4	239600	738	42700	1.85	
2.9	201400	621	42700	2.2	
3.4	169900	527	42700	2.6	
5.6	103000	318	33700	2.8	JRTK169R109DN132M4 JRTKH169R109DN132M4
2.1	272500	843	33700	1.05	
2.3	245500	757	33700	1.15	
2.8	205500	632	33700	1.40	
3.2	180200	561	33700	1.55	
3.7	156300	481	33700	1.80	JRTK169R99DN132M4 JRTKH169R99DN132M4
4.2	136000	423	33700	2.1	
4.8	118900	369	33700	2.4	
4.6	120800	385	25600	1.30	
5.9	95200	299	25900	1.65	
7.0	80100	253	26000	2.0	JRTK159R109DN132M4 JRTKH159R109DN132M4 JRTKA159R109DN132M4 JRTKAF159R109DN132M4
8.3	67900	213	26000	2.3	
4.1	140200	434	25400	1.15	
4.7	121900	379	25600	1.30	
5.3	107500	333	25800	1.50	
6.1	93500	291	25900	1.70	JRTK159R99DN132M4 JRTKH159R99DN132M4 JRTKA159R99DN132M4 JRTKAF159R99DN132M4
5.4	108200	330	17900	1.05	
6.2	93300	287	18100	1.25	
7.0	82500	253	18200	1.40	
8.3	69300	213	18300	1.65	
8.8	66100	200	18300	1.60	JRTK129R89DN132M4 JRTKH129R89DN132M4 JRTKA129R89DN132M4 JRTKAF129R89DN132M4
11	54700	166	18400	1.95	
12	48200	147	18500	2.2	
9.0	64500	196	14600	1.10	
10	57700	174	14600	1.10	JRTK109R79DN132M4 JRTKH109R79DN132M4 JRTKA109R79DN132M4 JRTKAF109R79DN132M4
12	51100	154	14600	1.25	
13	46300	140	14600	1.35	
7.2	87600	164.50	33700	3.2	
8.8	71900	134.99	33700	3.9	
7.9	80100	150.41	26000	2.0	JRTK159DN160M6 JRTKF159DN160M6
9.7	65200	122.39	26000	2.4	
12	53400	100.22	26100	3.0	
13	48800	91.65	26100	3.3	
15	42500	79.75	26100	3.8	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{a1}}$ [lbf]	Service factor f_s	Model
10.0HP					
8.7	72500	136.14	18300	1.60	JRTK129DN160M6 JRTKF129DN160M6 JRTKA129DN160M6 JRTKAF129DN160M6
9.7	65200	122.48	18300	1.75	
11	58700	110.18	18400	1.95	
13	47900	89.89	18500	2.4	
12	51800	146.07	18400	2.2	JRTK129DN132M4 JRTKF129DN132M4 JRTKA129DN132M4 JRTKAF129DN132M4
13	48300	136.14	18500	2.4	
14	43500	122.48	18500	2.6	
16	39100	110.18	18500	2.9	
20	31900	89.89	18600	3.6	
22	29100	81.98	18600	4.0	
25	25100	70.95	18600	4.6	
12	50900	143.47	14600	1.40	JRTK109DN132M4 JRTKF109DN132M4 JRTKA109DN132M4 JRTKAF109DN132M4
15	43100	121.46	14600	1.65	
16	39900	112.41	14400	1.75	
18	35700	100.75	14200	2.0	
20	32300	90.96	13900	2.2	
21	29300	82.61	13700	2.4	
24	26000	73.30	13400	2.7	
27	23600	66.52	13100	3.0	
31	20300	57.17	12700	3.5	
36	17700	49.90	12300	3.9	
42	15000	42.33	11900	4.3	
48	13100	37.00	11500	4.8	
17	37300	105.31	8620	1.00	JRTK99DN132M4 JRTKF99DN132M4 JRTKA99DN132M4 JRTKAF99DN132M4
18	34300	96.80	8590	1.10	
20	30700	86.52	8530	1.25	
23	27600	77.89	8450	1.40	
25	25000	70.54	8360	1.50	
28	22200	62.55	8240	1.70	
31	20000	56.55	8120	1.90	
37	17000	47.93	7910	2.2	
42	14800	41.87	7730	2.6	
46	13500	38.30	7600	2.8	
52	12100	34.23	7440	3.1	
28	22300	63.00	5460	1.05	JRTK89DN132M4 JRTKF89DN132M4 JRTKA89DN132M4 JRTKAF89DN132M4
31	20100	56.64	5450	1.20	
36	17400	49.16	5410	1.35	
40	15600	44.02	5360	1.45	
49	12900	36.52	5250	1.70	
57	11100	31.39	5150	2.1	
64	9890	27.88	5050	2.3	
71	8840	24.92	4960	2.5	
79	7950	22.41	4870	2.6	
91	6900	19.45	4740	3.0	
102	6180	17.42	4630	3.1	
111	5680	16.00	4450	2.8	
123	5130	14.45	4460	3.6	
57	10900	30.89	3880	1.25	JRTK79DN132M4 JRTKF79DN132M4 JRTKA79DN132M4 JRTKAF79DN132M4
61	10300	29.27	3950	1.30	
69	9090	25.62	4090	1.50	

Output speed n_a [r/min]	Output torque T_a lbf • in	Ratio i	Permitted overhung load $F_{R_{a1}}$ lbf	Service factor f_s	Model
10.0HP					
77	8190	23.08	4170	1.65	JRTK79DN132M4 JRTKF79DN132M4 JRTKA79DN132M4 JRTKAF79DN132M4
88	7180	20.25	4120	1.85	
99	6340	17.87	4040	2.0	
112	5620	15.84	3950	2.2	
131	4800	13.52	3840	2.5	
144	4380	12.36	3690	2.0	
164	3840	10.84	3600	2.3	
186	3390	9.56	3510	2.5	
209	3010	8.48	3420	2.6	
245	2570	7.24	3300	2.8	
101	6220	17.54	2530	1.05	JRTK69DN132M4 JRTKF69DN132M4 JRTKA69DN132M4 JRTKAF69DN132M4
117	5390	15.19	2660	1.15	
134	4690	13.22	2690	1.25	
142	4430	12.48	2570	1.05	
167	3770	10.63	2520	1.15	
184	3430	9.66	2490	1.25	
212	2970	8.37	2440	1.30	
244	2580	7.28	2390	1.45	
341	1840	5.20	2240	1.70	
185	3400	9.59	950	1.05	JRTK59DN132M4 JRTKF59DN132M4 JRTKA59DN132M4 JRTKAF59DN132M4
204	3090	8.71	960	1.10	
235	2680	7.55	960	1.20	
270	2330	6.57	960	1.30	
378	1660	4.69	940	1.60	
370	1700	9.59	940	2.1	JRTK59DN132M2 JRTKF59DN132M2 JRTKA59DN132M2 JRTKAF59DN132M2
407	1540	8.71	930	2.2	
470	1340	7.55	910	2.4	
540	1160	6.57	890	2.6	
756	830	4.69	840	3.2	
12.3HP					
2.1	331400	835	42700	1.35	JRTK189R109DN132L4 JRTKH189R109DN132L4
2.4	287900	729	42700	1.55	
2.9	245400	622	42700	1.80	
3.4	208500	520	42700	2.1	
3.9	181000	454	42700	2.4	
1.7	419500	1046	42700	1.05	JRTK189R99DN132L4 JRTKH189R99DN132L4
1.9	378500	945	42700	1.15	
2.4	295800	738	42700	1.50	
2.9	248600	621	42700	1.80	
3.4	210000	527	42700	2.1	
5.6	127500	318	33700	2.2	JRTK169R109DN132L4 JRTKH169R109DN132L4
6.4	110700	278	33700	2.6	
7.3	95600	244	33700	3.0	
8.3	83100	213	33700	3.4	
8.6	81000	206	33700	3.5	
2.8	253600	632	33700	1.10	JRTK169R99DN132L4 JRTKH169R99DN132L4
3.2	222800	561	33700	1.25	
3.7	192800	481	33700	1.45	
4.2	168200	423	33700	1.70	
4.8	147000	369	33700	1.95	





Output speed n_n [r/min]	Output torque T_n [lbf · in]	Ratio i	Permitted overhung load F_{Rn} [lbf]	Service factor f_s	Model
12.3HP					
4.6	150100	385	25300	1.05	
5.5	125600	325	25600	1.25	
5.9	117900	299	25700	1.35	
7.0	99300	253	25800	1.60	JRTK159R109DN132L4
7.7	88900	230	25900	1.80	JRTKF159R109DN132L4
8.3	84300	213	25900	1.90	JRTKA159R109DN132L4
9.5	72200	187	26000	2.2	JRTKAF159R109DN132L4
11	61300	157	26100	2.6	
4.7	150700	379	25300	1.05	JRTK159R99DN132L4
5.3	132800	333	25500	1.20	JRTKF159R99DN132L4
6.1	115600	291	25700	1.40	JRTKA159R99DN132L4
7.0	101800	253	18000	1.15	
8.3	85500	213	18200	1.35	JRTK129R89DN132L4
8.9	81400	200	18200	1.30	JRTKF129R89DN132L4
11	67400	166	18300	1.55	JRTKA129R89DN132L4
12	59500	147	18400	1.80	JRTKAF129R89DN132L4
12	62900	154	14400	1.00	JRTK109R79DN132L4
13	57100	140	14300	1.10	JRTKF109R79DN132L4
					JRTKA109R79DN132L4
					JRTKAF109R79DN132L4
12	65600	150.41	26000	2.4	JRTK159DN132L4
14	53400	122.39	26100	3.0	JRTKF159DN132L4
					JRTKA159DN132L4
					JRTKAF159DN132L4
13	59400	136.14	18400	1.95	
14	53400	122.48	18400	2.1	JRTK129DN132L4
16	48100	110.18	18500	2.4	JRTKF129DN132L4
20	39200	89.89	18500	2.9	JRTKA129DN132L4
22	35700	81.98	18500	3.2	JRTKAF129DN132L4
16	49000	112.41	13800	1.45	
18	43900	100.75	13800	1.60	
20	39700	90.96	13400	1.80	
21	36000	82.61	13200	1.95	JRTK109DN132L4
24	32000	73.30	12900	2.2	JRTKF109DN132L4
27	29000	66.52	12700	2.4	JRTKA109DN132L4
31	24900	57.17	12400	2.8	JRTKAF109DN132L4
36	21700	49.90	12000	3.2	
42	18400	42.33	11600	3.5	
21	37700	86.52	7910	1.00	
23	34000	77.89	7890	1.10	
25	30700	70.54	7850	1.25	
28	27300	62.55	7790	1.40	
31	24600	56.55	7710	1.55	JRTK99DN132L4
37	20900	47.93	7570	1.80	JRTKF99DN132L4
42	18200	41.87	7430	2.1	JRTKA99DN132L4
46	16700	38.30	7320	2.3	JRTKAF99DN132L4
52	14900	34.23	7190	2.5	
58	13400	30.82	7060	2.8	
63	12100	27.91	6930	3.1	
72	10800	24.75	6770	3.5	

Output speed n_n [r/min]	Output torque T_n [lbf · in]	Ratio i	Permitted overhung load F_{Rn} [lbf]	Service factor f_s	Model
12.3HP					
36	21400	49.16	5000	1.10	
40	19200	44.02	4990	1.20	
49	15900	36.52	4950	1.40	
57	13700	31.39	4880	1.75	
64	12100	27.88	4820	1.90	
71	10800	24.92	4750	2.0	JRTK89DN132L4
79	9780	22.41	4680	2.1	JRTKF89DN132L4
91	8480	19.45	4580	2.4	JRTKA89DN132L4
					JRTKAF89DN132L4
102	7600	17.42	4490	2.6	
111	6980	16.00	4300	2.3	
123	6300	14.45	4330	3.0	
141	5480	12.56	4210	3.2	
159	4870	11.17	4020	2.7	
178	4360	10.00	3930	3.0	
77	10000	23.08	3980	1.35	
88	8830	20.25	3920	1.50	
99	7790	17.87	3860	1.65	
112	6910	15.84	3800	1.80	
131	5900	13.52	3700	2.0	JRTK79DN132L4
144	5390	12.36	3550	1.65	JRTKF79DN132L4
164	4730	10.84	3480	1.85	JRTKA79DN132L4
186	4170	9.56	3400	2.0	JRTKAF79DN132L4
209	3700	8.48	3330	2.1	
245	3160	7.24	3220	2.3	
15.0HP					
2.1	406000	835	42700	1.10	
2.4	352900	729	42700	1.25	
2.9	300900	622	42700	1.45	JRTK189R109DN160M4
3.4	255300	520	42700	1.75	JRTKH189R109DN160M4
3.9	221900	454	42700	2.0	
5.0	171200	355	42700	2.6	
2.4	361700	738	42700	1.20	JRTK189R99DN160M4
2.9	304000	621	42700	1.45	JRTKH189R99DN160M4
3.4	258900	527	42700	1.70	
5.6	156100	318	33700	1.80	
6.4	135700	278	33700	2.1	JRTK169R109DN160M4
7.3	117400	244	33700	2.4	JRTKH169R109DN160M4
8.3	102100	213	33700	2.8	
8.6	99500	206	33700	2.8	
3.2	272800	561	33700	1.05	
3.7	235700	481	33700	1.20	JRTK169R99DN160M4
4.2	205900	423	33700	1.35	JRTKH169R99DN160M4
4.8	179800	369	33700	1.55	
5.5	154700	325	25300	1.05	
6.0	144500	299	25400	1.10	
7.0	121900	253	25600	1.30	JRTK159R109DN160M4
7.7	109400	230	25700	1.45	JRTKF159R109DN160M4
8.3	103500	213	25800	1.55	JRTKA159R109DN160M4
9.5	88900	187	25900	1.80	JRTKAF159R109DN160M4
11	75400	157	26000	2.1	
15	59500	122	26100	2.7	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
15.0HP					
5.3	162500	333	25200	1.00	JRTK159R99DN160M4
6.1	141500	291	25400	1.10	JRTKF159R99DN160M4 JRTKA159R99DN160M4 JRTKAF159R99DN160M4
8.3	104500	213	17900	1.10	JRTK129R89DN160M4
8.9	99500	200	18000	1.05	JRTKF129R89DN160M4
11	82400	166	18200	1.30	JRTKA129R89DN160M4
12	72700	147	18300	1.45	JRTKAF129R89DN160M4
11	87500	164.50	33700	3.2	JRTK169DN160M4
13	71800	134.99	33700	3.9	JRTKF169DN160M4 JRTKA169DN160M4 JRTKAF169DN160M4
12	80000	150.41	26000	2.0	JRTK159DN160M4
15	65100	122.39	26000	2.5	JRTKF159DN160M4
18	53300	100.22	25800	3.0	JRTKA159DN160M4
19	48700	91.56	25300	3.3	JRTKAF159DN160M4
13	72400	136.14	18300	1.60	JRTK129DN160M4
14	65100	122.48	18400	1.75	JRTKF129DN160M4
16	58600	110.18	18400	1.95	JRTKA129DN160M4
20	47800	89.89	18500	2.4	JRTKAF129DN160M4
22	43600	81.98	18500	2.6	
25	37700	70.95	18500	3.0	
16	59800	112.41	13000	1.20	JRTK109DN160M4
18	53600	100.75	12900	1.30	JRTKF109DN160M4
20	48400	90.96	12700	1.45	JRTKA109DN160M4
22	43900	82.61	12600	1.60	JRTKAF109DN160M4
24	39000	73.30	12400	1.80	
27	35300	66.52	12200	2.0	
31	30400	57.17	11900	2.3	
36	26500	49.90	11700	2.6	
42	22500	42.33	11300	2.9	
48	19600	37.00	11000	3.2	
25	37500	70.54	7260	1.00	JRTK99DN160M4
28	33200	62.55	7260	1.15	JRTKF99DN160M4
31	30000	56.55	7240	1.25	JRTKA99DN160M4
37	25500	47.93	7160	1.50	JRTKAF99DN160M4
42	22200	41.87	7070	1.70	
46	20300	38.30	7000	1.85	
52	18200	34.23	6900	2.1	
58	16300	30.82	6800	2.3	
64	14800	27.91	6690	2.6	
72	13100	24.75	6560	2.9	
79	11900	22.37	6440	3.2	
40	23400	44.02	4560	1.00	JRTK89DN160M4
49	19400	36.52	4590	1.15	JRTKF89DN160M4
57	16700	31.39	4580	1.45	JRTKA89DN160M4
64	14800	27.88	4550	1.55	JRTKAF89DN160M4
71	13200	24.92	4510	1.65	
79	11900	22.41	4460	1.70	
91	10300	19.45	4390	1.95	
102	9260	17.42	4320	2.1	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
15.0HP					
111	8510	16.00	4110	1.85	JRTK89DN160M4
123	7680	14.45	4190	2.4	JRTKF89DN160M4
141	6680	12.56	4090	2.6	JRTKA89DN160M4
159	5940	11.17	3890	2.2	JRTKAF89DN160M4
178	5310	10.00	3820	2.5	
214	4410	8.29	3680	2.8	
246	3830	7.21	3580	3.0	
77	12200	23.08	3690	1.10	JRTK79DN160M4
88	10700	20.25	3690	1.25	JRTKF79DN160M4
99	9500	17.87	3660	1.35	JRTKA79DN160M4
112	8420	15.84	3620	1.45	JRTKAF79DN160M4
131	7190	13.52	3550	1.65	
144	6570	12.36	3390	1.35	
164	5760	10.84	3340	1.50	
186	5080	9.56	3280	1.65	
209	4510	8.48	3220	1.75	
245	3850	7.24	3130	1.90	
20HP					
2.9	403600	622	42700	1.10	JRTK189R109DN160L4
3.4	342100	520	42700	1.30	JRTKF189R109DN160L4
3.9	297700	454	42700	1.50	JRTKA189R109DN160L4
5.0	229900	355	42700	1.90	
6.8	171200	261	42700	2.6	
2.9	406600	621	42700	1.10	JRTK189R99DN160L4
3.4	343900	527	42700	1.30	JRTKF189R99DN160L4
5.6	209200	318	33700	1.35	JRTK169R109DN160L4
6.4	182000	278	33700	1.55	JRTKF169R109DN160L4
7.3	157700	244	33700	1.80	JRTKA169R109DN160L4
8.3	137300	213	33700	2.1	JRTKAF169R109DN160L4
8.6	133900	206	33700	2.1	
9.9	115400	180	33700	2.5	
11	104700	160	33700	2.7	
4.2	275800	423	33700	1.05	JRTK169R99DN160L4
4.8	240700	369	33700	1.20	JRTKF169R99DN160L4
7.7	147500	230	25400	1.10	JRTK159R109DN160L4
8.3	13900	213	25500	1.15	JRTKF159R109DN160L4
9.5	119800	187	25600	1.35	JRTKA159R109DN160L4
11	101700	157	25800	1.55	JRTKAF159R109DN160L4
15	79900	122	26000	2.0	
17	69600	107	25500	2.3	
12	97200	147	18000	1.10	JRTK129R89DN160L4
					JRTKF129R89DN160L4
					JRTKA129R89DN160L4
					JRTKAF129R89DN160L4
11	116600	164.50	33700	2.4	JRTK169DN160L4
13	95700	134.99	33700	3.0	JRTKF169DN160L4
12	106600	150.41	25800	1.50	JRTK159DN160L4
15	86700	122.39	25700	1.85	JRTKF159DN160L4
18	71000	100.22	24800	2.2	JRTKA159DN160L4
19	64900	91.65	24400	2.5	JRTKAF159DN160L4
22	56500	79.75	23700	2.8	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
20HP					
13	96500	136.14	18000	1.20	
15	86800	122.48	18100	1.30	
16	78100	110.18	18200	1.45	
20	63700	89.89	18400	1.80	JRTK129DN160L4
22	58100	81.98	18200	2.0	JRTKF129DN160L4
25	50300	70.95	17800	2.3	JRTKA129DN160L4
28	44300	62.60	17400	2.6	JRTKAF129DN160L4
33	38300	54.07	16900	3.0	
37	33900	47.82	16500	3.4	
20	64400	90.96	11300	1.10	
22	58500	82.61	11500	1.20	
24	51900	73.30	11400	1.35	
27	47100	66.52	11400	1.50	
31	40500	57.17	11200	1.75	JRTK109DN160L4
36	35300	49.90	11000	1.95	JRTKF109DN160L4
42	30000	42.33	10700	2.2	JRTKA109DN160L4
48	26200	37.00	10500	2.4	JRTKAF109DN160L4
54	23100	32.69	10300	2.8	
57	22100	31.28	10200	2.7	
61	20500	29.00	10100	3.1	
37	33900	47.93	6410	1.10	
42	29600	41.87	6420	1.30	
46	27100	38.30	6400	1.40	
52	24200	34.23	6360	1.55	
58	21800	30.82	6310	1.75	JRTK99DN160L4
64	19700	27.91	6250	1.90	JRTKF99DN160L4
72	17500	24.75	6170	2.2	JRTKA99DN160L4
79	15800	22.37	6090	2.4	JRTKAF99DN160L4
94	13400	18.96	5940	2.8	
107	11700	16.56	5800	3.2	
57	22200	31.39	4010	1.05	
64	19700	27.88	4040	1.15	
71	17600	24.92	4060	1.25	
79	15800	22.41	4060	1.30	
91	13700	19.45	4030	1.50	JRTK89DN160L4
102	12300	17.42	4000	1.60	JRTKF89DN160L4
111	11300	16.00	3770	1.40	JRTKA89DN160L4
123	10200	14.45	3930	1.80	JRTKAF89DN160L4
141	8900	12.56	3860	2.0	
159	7910	11.17	3660	1.70	
178	7080	10.00	3610	1.85	
214	5880	8.29	3510	2.1	
246	5110	7.21	3430	2.2	
25HP					
3.4	428100	520	42700	1.05	
3.9	372800	454	42700	1.20	
5.0	288100	355	42700	1.55	JRTK189R109DN180M4
6.8	214300	261	42700	2.1	JRTKH189R109DN180M4
8.0	181200	221	42700	2.4	
9.2	157900	193	42700	2.8	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
25HP					
3.4	430000	527	42700	1.05	JRTK189R109DN180M4
					JRTKH189R109DN180M4
5.6	261800	318	33700	1.10	
6.4	227900	278	33700	1.25	
7.3	197600	244	33700	1.45	
8.3	172200	213	33700	1.65	
8.7	167900	206	33700	1.70	JRTK169R109DN180M4
9.9	144900	180	33700	1.95	JRTKH169R109DN180M4
11	131100	160	33700	2.2	
13	110800	135	33700	2.5	
15	96500	118	33700	2.9	
9.5	150500	187	25300	1.05	
11	127700	157	25600	1.25	JRTK159R109DN180M4
15	100100	122	24900	1.60	JRTKF159R109DN180M4
17	87300	107	24400	1.80	JRTKA159R109DN180M4
9.9	159000	179.86	42700	2.8	
11	146100	165.21	42700	3.0	JRTK189DN180M4
12	127800	144.59	42700	3.5	JRTKH189DN180M4
14	114600	129.89	42700	3.9	
13	119300	134.99	33700	2.4	
16	97100	109.83	33700	2.9	JRTK169DN180M4
20	77700	87.86	33700	3.6	JRTKH169DN180M4
15	108200	122.39	24500	1.45	
18	88600	100.22	23800	1.80	
19	81000	91.65	23500	1.95	
22	70500	79.75	22900	2.3	JRTK159DN180M4
25	62200	70.38	22400	2.6	JRTKF159DN180M4
29	53900	61.02	21800	3.0	JRTKA159DN180M4
33	48000	54.29	21200	3.3	JRTKAF159DN180M4
38	41300	46.79	20600	3.9	
47	33600	38.02	19600	4.7	
16	97400	110.18	17700	1.20	
20	79500	89.89	17400	1.45	
22	72500	81.98	17300	1.60	
25	62700	70.95	17000	1.85	
28	55300	62.60	16700	2.1	JRTK129DN180M4
33	47800	54.07	16300	2.4	JRTKF129DN180M4
37	42200	47.82	15900	2.7	JRTKA129DN180M4
44	35500	40.19	15400	3.2	JRTKAF129DN180M4
49	32000	36.25	15100	3.6	
57	27700	31.37	14600	4.2	
64	24400	27.68	14200	4.7	
24	64800	73.30	10100	1.10	
27	58800	66.52	10300	1.20	
31	50500	57.17	10400	1.40	
36	44100	49.90	10300	1.55	JRTK109DN180M4
42	37400	42.33	10200	1.75	JRTKF109DN180M4
48	32700	37.00	10000	1.95	JRTKA109DN180M4
54	28800	32.69	9850	2.2	JRTKAF109DN180M4
57	27600	31.28	9790	2.2	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H_2} [lbf]	Service factor f_s	Model
25HP					
61	25600	29.00	9670	2.5	
68	23200	26.32	9520	2.7	JRTK109DN180M4
79	19900	22.62	9260	3.2	JRTKF109DN180M4
90	17400	19.74	9020	3.6	JRTKA109DN180M4
106	14800	16.75	8720	4.2	JRTKAF109DN180M4
43	37000	41.87	5760	1.05	
58	27200	30.82	5830	1.40	
64	24600	27.91	5820	1.55	
72	21800	24.75	5780	1.75	JRTK99DN180M4
80	19700	22.37	5740	1.90	JRTKF99DN180M4
94	16700	18.96	5640	2.3	JRTKA99DN180M4
108	14600	16.56	5540	2.6	JRTKAF99DN180M4
129	12200	13.85	5400	3.1	
149	10600	11.99	5270	3.2	
171	9200	10.41	4960	2.8	
71	22000	24.92	3610	1.00	
80	19800	22.41	3650	1.05	
92	17100	19.45	3680	1.20	
102	15300	17.42	3690	1.25	JRTK89DN180M4
123	12700	14.45	3670	1.45	JRTKF89DN180M4
142	11100	12.56	3630	1.60	JRTKA89DN180M4
160	9870	11.17	3420	1.35	JRTKAF89DN180M4
178	8830	10.00	3390	1.50	
215	7330	8.29	3330	1.70	
247	6370	7.21	3270	1.80	
30HP					
3.9	448500	454	42700	1.00	
5.0	346900	355	42700	1.30	
6.8	257900	261	42700	1.70	JRTK189R109DN180L4
8.0	218100	221	42700	2.0	JRTKH189R109DN180L4
9.2	190200	193	42700	2.3	
11	160100	163	42700	2.8	
6.4	274300	278	33700	1.05	
7.3	237900	244	33700	1.20	
8.3	207400	213	33700	1.35	
8.7	202300	206	33700	1.40	JRTK169R109DN180L4
9.9	174700	180	33700	1.60	JRTKH169R109DN180L4
11	157700	160	33700	1.80	
13	133400	135	33700	2.1	
15	116300	118	33700	2.4	
11	153900	157	24300	1.05	JRTK159R109DN180L4
15	120600	122	23800	1.30	JRTKF159R109DN180L4
17	105100	107	23500	1.50	JRTKA159R109DN180L4
9.9	190800	179.86	42700	2.3	
11	175300	165.21	42700	2.5	JRTK189DN180L4
12	153400	144.59	42700	2.9	JRTKH189DN180L4
14	137600	129.69	42700	3.2	
13	143200	134.99	33700	2.0	
16	116500	109.83	33700	2.4	JRTK169DN180L4
20	93200	87.86	33700	3.0	JRTKH169DN180L4
23	82900	78.14	33700	3.4	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H_2} [lbf]	Service factor f_s	Model
30HP					
15	129800	122.39	23300	1.25	
18	106300	100.22	22800	1.50	
19	97200	91.65	22600	1.65	
22	84600	79.75	22100	1.90	JRTK159DN180L4
25	74600	70.38	21700	2.1	JRTKF159DN180L4
29	64700	61.02	21200	2.5	JRTKA159DN180L4
33	57600	54.29	20700	2.8	JRTKAF159DN180L4
38	49600	46.79	20100	3.2	
47	40300	38.02	19200	4.0	
16	116900	110.18	16500	1.00	
20	95400	89.89	16400	1.20	
22	87000	81.98	16400	1.30	
25	75200	70.95	16200	1.55	
28	66400	62.60	16000	1.75	
33	57300	54.07	15700	2.0	JRTK129DN180L4
37	50700	47.82	15400	2.3	JRTKF129DN180L4
44	42600	40.19	15000	2.7	JRTKA129DN180L4
49	38400	36.25	14700	3.0	JRTKAF129DN180L4
57	33200	31.37	14300	3.5	
64	29300	27.68	13900	3.9	
75	25300	23.91	13500	4.5	
84	22400	21.15	13200	5.1	
27	70500	66.52	8930	1.00	
31	60600	57.17	9340	1.15	
36	52900	49.90	9570	1.30	
42	44900	42.33	9630	1.45	
48	39200	37.00	9540	1.60	
54	34600	32.69	9420	1.85	
57	33100	31.28	9380	1.80	JRTK109DN180L4
61	30700	29.00	9290	2.1	JRTKF109DN180L4
68	27900	26.32	9170	2.3	JRTKA109DN180L4
79	23900	22.62	8960	2.6	JRTKAF109DN180L4
90	20900	19.74	8760	3.0	
106	17700	16.75	8500	3.5	
122	15500	14.64	8280	3.9	
133	14200	13.43	7950	2.7	
152	12400	11.73	7740	3.1	
179	10500	9.94	7480	3.5	
58	32600	30.82	5350	1.15	
64	29600	27.91	5380	1.30	
72	26200	24.75	5400	1.45	
80	23700	22.37	5390	1.60	JRTK99DN180L4
94	20100	18.96	5340	1.90	JRTKF99DN180L4
108	17500	16.56	5290	2.2	JRTKA99DN180L4
129	14600	13.85	5180	2.6	JRTKAF99DN180L4
149	12700	11.99	5080	2.7	
171	11000	10.41	4770	2.3	
205	9230	8.71	4650	2.5	
236	7990	7.54	4540	2.6	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{\max}}$ [lbf]	Service factor f_s	Model
30HP					
92	20600	19.45	3330	1.00	
102	18400	17.42	3370	1.05	
123	15300	14.45	3410	1.20	JRTK89DN180L4
142	13300	12.56	3410	1.35	JRTKF89DN180L4
160	11800	11.17	3180	1.10	JRTKA89DN180L4
178	10600	10.00	3180	1.25	JRTKAF89DN180L4
215	8800	8.29	3160	1.40	
247	7650	7.21	3120	1.50	
40HP					
6.8	344600	261	42700	1.30	
8.1	291700	221	42700	1.50	JRTK189R109DN200L4
9.2	254500	193	42700	1.75	JRTKH189R109DN200L4
11	214500	163	42700	2.1	
8.4	277500	213	33700	1.00	
8.7	270600	206	33700	1.05	
9.9	234000	180	33700	1.20	JRTK169R109DN200L4
11	210700	160	33700	1.35	JRTKH169R109DN200L4
13	178400	135	33700	1.60	
15	156600	118	33700	1.80	
17	140600	107	21500	1.15	JRTK159R109DN200L4 JRTKF159R109DN200L4 JRTKA159R109DN200L4 JRTKAF159R109DN200L4
9.9	254200	179.86	42700	1.75	
11	233500	165.21	42700	1.90	
12	204300	144.59	42700	2.2	JRTK189DN200L4
14	183300	129.69	42700	2.4	JRTKH189DN200L4
16	159100	112.60	42700	2.8	
17	144400	102.16	42700	3.1	
20	124300	88.00	42700	3.6	
16	155200	109.83	33700	1.80	
20	124100	87.86	33700	2.3	JRTK169DN200L4
23	110400	78.14	33700	2.6	JRTKH169DN200L4
26	96200	68.07	33700	2.9	
29	85800	60.74	33700	3.3	
18	141600	100.22	20800	1.10	
19	129500	91.65	20800	1.25	
22	112700	79.75	20800	1.40	
25	99400	70.38	20300	1.60	JRTK159DN200L4
29	86200	61.02	20000	1.85	JRTKF159DN200L4
33	76700	54.29	19600	2.1	JRTKA159DN200L4
38	66100	46.79	19200	2.4	JRTKAF159DN200L4
47	53700	38.02	18500	3.0	
57	44200	31.30	17800	3.6	
25	100200	70.95	14000	1.15	
28	88400	62.60	14600	1.30	
33	76400	54.07	14500	1.50	
37	67500	47.82	14300	1.70	JRTK129DN200L4
44	56800	40.19	14100	2.0	JRTKF129DN200L4
49	51200	36.25	13900	2.2	JRTKA129DN200L4
57	44300	31.37	13600	2.6	JRTKAF129DN200L4
64	39100	27.68	13300	2.9	
75	33700	23.91	13000	3.4	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H_{\max}}$ [lbf]	Service factor f_s	Model
40HP					
42	59800	42.33	8010	1.10	
48	52200	37.00	8300	1.20	
57	44200	31.28	8510	1.35	
62	40900	29.00	8530	1.55	
68	37100	26.32	8480	1.70	
79	31900	22.62	8370	2.0	JRTK109DN200L4
90	27900	19.74	8240	2.3	JRTKF109DN200L4
106	23600	16.75	8060	2.6	JRTKA109DN200L4
122	20600	14.64	7890	3.0	JRTKAF109DN200L4
133	18900	13.43	7540	2.0	
152	16500	11.73	7380	2.3	
179	14000	9.94	7180	2.6	
205	12200	8.69	7000	2.9	
72	34900	24.75	4620	1.10	
80	31600	22.37	4690	1.20	
94	26700	18.96	4750	1.40	
108	23400	16.56	4770	1.65	JRTK99DN200L4
129	19500	13.85	4750	1.95	JRTKF99DN200L4
149	16900	11.99	4710	2.0	JRTKA99DN200L4
171	14700	10.41	4370	1.75	JRTKAF99DN200L4
205	12300	8.71	4320	1.90	
237	10600	7.54	4260	2.0	
50HP					
6.8	431100	261	42700	1.05	
8.1	365100	221	42700	1.20	JRTK189R109DN225S4
9.2	318600	193	42700	1.40	JRTKH189R109DN225S4
11	268700	163	42700	1.65	
11	263600	160	33700	1.05	
13	223200	135	33700	1.25	JRTK169R109DN225S4
15	194800	118	33700	1.45	JRTKH169R109DN225S4
9.9	317400	179.86	42700	1.40	
11	291500	165.21	42700	1.50	
12	255100	144.59	42700	1.75	
14	228800	129.69	42700	1.95	JRTK189DN225S4
16	198700	112.60	42700	2.2	JRTKH189DN225S4
17	180300	102.16	42500	2.5	
20	155300	88.00	41300	2.9	
16	193800	109.83	33700	1.45	
20	155000	87.86	33700	1.85	
23	137900	78.14	33700	2.0	JRTK169DN225S4
26	120100	68.07	33700	2.4	JRTKH169DN225S4
29	107100	60.74	33500	2.6	
34	91300	51.77	32400	3.1	
19	161700	91.65	19000	1.00	
22	140700	79.75	19000	1.5	
25	124200	70.38	18900	1.30	JRTK159DN225S4
29	107600	61.02	18800	1.50	JRTKF159DN225S4
33	95800	54.29	18600	1.65	JRTKA159DN225S4
38	82500	46.79	18300	1.95	JRTKAF159DN225S4
47	67100	38.02	17700	2.4	
57	55200	31.30	17200	2.9	

Output speed n_s [r/min]	Output torque T_s lbf • in	Ratio i	Permitted overhung load $F_{R_{0.5}}$ lbf	Service factor f_s	Model	
50HP						
29	110400	62.60	13100	1.05	JRTK129DN225S4 JRTKF129DN225S4 JRTKA129DN225S4 JRTKAF129DN225S4	
33	95400	54.07	13200	1.20		
37	84300	47.82	13200	1.35		
44	70900	40.19	13200	1.60		
49	63900	36.25	13100	1.80		
57	55300	31.37	12900	2.1		
64	48800	27.68	12700	2.4		
75	42100	23.91	12400	2.7		
84	37300	21.15	12200	3.1		
100	31300	17.77	11800	3.7		
124	25300	14.35	11400	4.2		
140	22500	12.79	10900	3.4		
166	18900	10.74	10500	3.7		
206	15300	8.68	10000	4.2		
48	65200	37.00	6710	1.00	JRTK109DN225S4 JRTKF109DN225S4 JRTKA109DN225S4 JRTKAF109DN225S4	
57	55200	31.28	7240	1.10		
62	51100	29.00	7420	1.25		
68	46400	26.32	7580	1.35		
79	39900	22.62	7740	1.60		
90	34800	19.74	7720	1.85		
107	29500	16.75	7620	2.1		
122	25800	14.64	7500	2.4		
133	23700	13.43	7130	1.60		
152	20600	11.73	7020	1.85		
180	17500	9.94	6870	2.1		
205	15300	8.69	6730	2.4		
243	12900	7.35	6540	2.5		
94	33400	18.96	4160	1.15	JRTK99DN225S4 JRTKF99DN225S4 JRTKA99DN225S4 JRTKAF99DN225S4	
108	29200	16.56	4250	1.30		
129	24400	13.85	4320	1.55		
149	21100	11.99	4330	1.65		
171	18300	10.41	3980	1.40		
205	15300	8.71	3990	1.55		
237	13300	7.54	3970	1.60		
60HP						
8.1	438800	221	42700	1.00	JRTK189R109DN225M4 JRTKH189R109DN225M4	
9.2	383000	193	42700	1.15		
11	323200	163	42700	1.35		
13	268300	135	33700	1.05	JRTK169R109DN225M4 JRTKH169R109DN225M4	
15	234200	118	33700	1.20		
9.9	380900	179.86	42700	1.15	JRTK189DN225M4 JRTKH189DN225M4	
11	349800	165.21	42700	1.25		
12	306200	144.59	42700	1.45		
14	274600	129.69	42500	1.60		
16	238400	112.60	41700	1.85		
17	216300	102.16	41100	2.0		
20	186300	88.00	40100	2.4		
24	156600	73.96	38900	2.8		
16	232500	109.83	33700	1.20	JRTK169DN225M4 JRTKH169DN225M4	
20	188000	87.86	33700	1.50		
23	165400	78.14	33700	1.70		

Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load $F_{R_{0.5}}$ lbf	Service factor f_s	Model
60HP					
26	144100	68.07	33100	1.95	JRTK169DN225M4 JRTKH169DN225M4
29	128600	60.74	32500	2.2	
34	109600	51.77	31600	2.6	
42	90800	42.89	30500	3.1	
25	149000	70.38	17500	1.05	JRTK159DN225M4 JRTKF159DN225M4 JRTKA159DN225M4 JRTKAF159DN225M4
29	129200	61.02	17600	1.25	
33	114900	54.29	17500	1.40	
38	99100	46.79	17300	1.60	
47	80500	38.02	17000	2.0	
57	66200	31.30	16600	2.4	
65	58500	27.62	16300	2.7	
75	50700	23.95	15900	3.1	
84	45100	21.31	15500	3.5	
97	38800	18.37	15100	4.1	
33	114500	54.07	12000	1.00	
37	101200	47.82	12200	1.15	
44	85100	40.19	12200	1.35	
49	76700	36.25	12200	1.50	
57	66400	31.37	12200	1.75	
64	58600	27.68	12100	1.95	
75	50600	23.91	11900	2.3	
84	44700	21.15	11700	2.6	
100	37600	17.77	11400	3.1	
124	30300	14.35	11000	3.5	
140	27000	12.79	10500	2.8	
166	22700	10.74	10200	3.1	
206	18300	8.68	9810	3.5	
62	61400	29.00	6140	1.05	JRTK129DN225M4 JRTKF129DN225M4 JRTKA129DN225M4 JRTKAF129DN225M4
68	55700	26.32	6470	1.15	
79	47800	22.62	6840	1.35	
90	41800	19.74	7050	1.50	
107	35400	16.75	7180	1.75	
122	30900	14.64	7120	1.95	
133	28400	13.43	6710	1.35	
152	24800	11.73	6660	1.55	
180	21000	9.94	6560	1.75	
205	18400	8.69	6460	1.95	
243	15500	7.35	6310	2.0	
75HP					
12	382700	144.59	40000	1.15	JRTK189DN250M4 JRTKH189DN250M4
14	343300	129.69	39800	1.30	
16	298000	112.60	39400	1.50	
17	270400	102.16	39000	1.65	
20	232900	88.00	38300	1.90	
24	195700	73.96	37300	2.3	
28	169500	64.04	36500	2.6	JRTK169DN250M4 JRTKH169DN250M4
20	232500	87.86	32200	1.20	
23	206800	78.14	31900	1.35	
26	180200	68.07	31400	1.55	
29	160700	60.74	31000	1.75	
34	137000	51.77	30300	2.1	
42	113500	42.89	29400	2.5	
49	96900	36.61	28600	2.9	





Output speed n_s [r/min]	Output torque T_s lbf · in	Ratio i	Permitted overhung load F_{R_0} lbf	Service factor f_s	Model
75HP					
29	161500	61.02	15800	1.00	JRTK159DN250M4 JRTKF159DN250M4 JRTKA159DN250M4 JRTKAF159DN250M4
33	143700	54.29	15900	1.10	
38	123800	46.79	16000	1.30	
47	100600	38.02	15900	1.60	
57	82800	31.30	15600	1.90	
65	73100	27.62	15400	2.2	
75	63400	23.95	15200	2.5	
84	56400	21.31	14900	2.8	
97	48600	18.37	14600	3.3	
120	39500	14.92	14000	4.0	
141	33500	12.65	13600	4.5	
44	106300	40.19	10900	1.10	JRTK129DN250M4 JRTKF129DN250M4 JRTKA129DN250M4 JRTKAF129DN250M4
57	83000	31.37	11100	1.40	
64	73200	27.68	11100	1.55	
75	63200	23.91	11100	1.80	
84	55900	21.15	11000	2.1	
100	47000	17.77	10800	2.5	
124	37900	14.35	10600	2.8	
140	33800	12.79	10000	2.2	
166	28400	10.74	9810	2.5	
206	22900	8.68	9470	2.8	
100HP					
16	397400	112.60	35500	1.10	JRTK189DN280S4 JRTKH189DN280S4
17	360600	102.16	35400	1.25	
20	310660	88.00	35200	1.40	
24	261000	73.96	34800	1.70	
28	226000	64.04	34200	1.95	
33	188300	53.36	33400	2.4	
39	160600	45.50	32600	2.8	
42	150000	42.51	32200	3.0	
23	275800	78.14	28700	1.05	JRTK169DN280S4 JRTKH169DN280S4
26	240200	68.07	28700	1.20	
29	214300	60.74	28500	1.30	
34	182700	51.77	28200	1.55	
42	151400	42.89	27600	1.85	
49	129200	36.61	27100	2.2	
55	113800	32.25	26500	2.5	
62	101500	28.77	26000	2.8	
73	86500	24.52	25300	3.3	
47	134200	38.02	14000	1.20	JRTK159DN280S4 JRTKF159DN280S4 JRTKA159DN280S4 JRTKAF159DN280S4
57	110400	31.30	14100	1.45	
65	97500	27.62	14100	1.65	
75	84500	23.95	14000	1.90	
84	75200	21.31	13900	2.1	
97	64800	18.37	13700	2.5	
120	52600	14.92	13300	3.0	
141	44600	12.65	13000	3.4	
57	110700	31.37	9350	1.05	JRTK129DN280S4 JRTKF129DN280S4 JRTKA129DN280S4 JRTKAF129DN280S4
64	97600	27.68	9580	1.20	
75	84300	23.91	9750	1.35	
84	74600	21.15	9820	1.55	
100	62700	17.77	9840	1.85	
124	50600	14.35	9750	2.1	
140	45100	12.79	9220	1.65	
166	37900	10.74	9110	1.85	
206	30600	8.68	8910	2.1	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
125HP					
17	451000	102.16	31900	1.00	JRTK189DN280M4 JRTKH189DN280M4
20	388500	88.00	32200	1.15	
24	326500	73.96	32200	1.35	
28	282700	64.04	32000	1.55	
33	235500	53.36	31600	1.90	
39	200800	45.50	31000	2.2	
42	187600	42.51	30800	2.4	
46	170200	38.57	30400	2.6	
29	268100	60.74	26000	1.05	JRTK169DN280M4 JRTKH169DN280M4
34	228500	51.77	26100	1.25	
42	189300	42.89	25900	1.50	
49	161600	36.61	25600	1.75	
55	142300	32.25	25200	2.0	
62	127000	28.77	24900	2.2	
73	108200	24.52	24300	2.6	
88	89600	20.32	23500	3.2	
103	76500	17.34	2900	3.7	
57	138100	31.30	12600	1.15	JRTK159DN280M4 JRTKF159DN280M4 JRTKA159DN280M4 JRTKAF159DN280M4
65	121900	27.62	12700	1.30	JRTK159DN280M4 JRTKF159DN280M4 JRTKA159DN280M4 JRTKAF159DN280M4
74	105700	23.95	12800	1.50	
84	94000	21.31	12800	1.70	
97	81000	18.37	12800	1.95	
120	65800	14.92	12600	2.4	
141	55800	12.65	12300	2.7	
75	105500	23.91	8400	1.10	JRTK129DN280M4 JRTKF129DN280M4 JRTKA129DN280M4 JRTKAF129DN280M4
84	93300	21.15	8630	1.25	
100	78400	17.77	8840	1.45	
124	63300	14.35	8940	1.70	
140	56400	12.79	8400	1.35	
166	47400	10.74	8420	1.50	
206	38300	8.68	8350	1.65	
150HP					
24	390400	73.96	29600	1.15	JRTK189DN315S4 JRTKH189DN315S4
28	338100	64.04	29800	1.30	
34	281700	53.36	29700	1.55	
39	240200	45.50	29400	1.85	
42	224400	42.51	29300	1.95	
46	203600	38.57	29000	2.2	JRTK189DN315S4 JRTKH189DN315S4
54	175400	33.23	28500	2.5	
64	147400	27.92	27800	3.0	
35	273300	51.77	23900	1.05	JRTK169DN315S4 JRTKH169DN315S4
42	226400	42.89	24100	1.25	
49	193200	36.61	24000	1.45	
56	170200	32.25	23900	1.65	JRTK169DN315S4 JRTKH169DN315S4
62	151900	28.77	23700	1.85	JRTK169DN315S4 JRTKH169DN315S4
73	129400	24.52	23300	2.2	
88	107200	20.32	22700	2.6	
103	91500	17.34	22100	3.1	

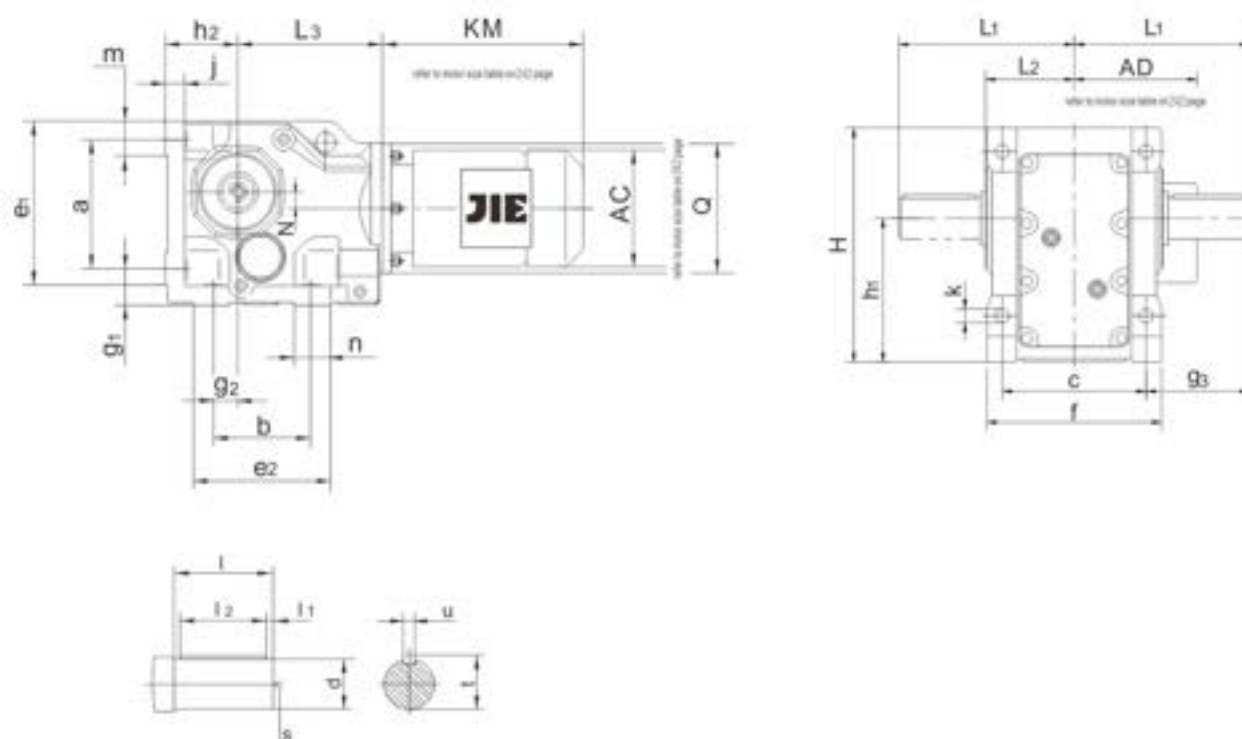
Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{\perp}}$ [lbf]	Service factor f_s	Model
150HP					
75	126400	23.95	11600	1.25	JRTK159DN315S4 JRTKF159DN315S4 JRTKA159DN315S4 JRTKAF159DN315S4
84	112500	21.31	11800	1.40	JRTK159DN315S4
97	96900	18.37	11900	1.65	JRTKF159DN315S4
120	78700	14.92	11800	2.0	JRTKA159DN315S4
141	66800	12.65	11700	2.2	JRTKAF159DN315S4
175HP					
28	394200	64.04	27600	1.10	JRTK189DN315M4
34	328500	53.36	27900	1.35	JRTKH189DN315M4
39	280100	45.50	27900	1.60	JRTK189DN315M4
42	261700	42.51	27800	1.70	JRTK189DN315M4
46	237400	38.51	27700	1.85	JRTKH189DN315M4
54	204500	33.23	27300	2.2	JRTK189DN315M4
64	171900	27.92	26800	2.6	JRTK189DN315M4
74	148800	24.18	26300	2.8	JRTKH189DN315M4
89	124000	20.15	25600	3.1	JRTK189DN315M4
104	105700	17.18	24900	3.5	JRTKH189DN315M4
42	264000	42.89	22400	1.05	JRTK169DN315M4
49	225300	36.61	22500	1.25	JRTKH169DN315M4
56	198500	32.25	22600	1.45	JRTK169DN315M4
62	177100	28.77	22500	1.60	JRTKH169DN315M4
73	150900	24.52	22300	1.90	JRTK169DN315M4
88	125000	20.32	21900	2.3	JRTKH169DN315M4
103	106700	17.34	21400	2.6	JRTK169DN315M4
75	147400	23.95	10500	1.10	JRTK159DN315M4
84	131100	21.31	10700	1.20	JRTKF159DN315M4 JRTA159DN315M4 JRTKAF159DN315M4
98	113000	18.37	11000	1.40	JRTK159DN315M4
120	91800	14.92	11100	1.75	JRTKF159DN315M4
142	77900	12.65	11100	1.95	JRTKA159DN315M4 JRTKAF159DN315M4
200HP					
34	376000	53.36	26000	1.20	JRTK189DN315L4
39	320600	45.50	26300	1.40	JRTKH189DN315L4
54	234100	33.23	26200	1.90	JRTK189DN315L4
64	196700	27.92	25900	2.2	JRTKH189DN315L4
74	170300	24.18	25500	2.6	JRTK189DN315L4
89	141900	20.15	24900	2.7	JRTKH189DN315L4
104	121000	17.18	24300	3.0	JRTK189DN315L4
49	258000	36.61	21000	1.10	JRTK169DN315L4
73	172800	24.52	21300	1.65	JRTKH169DN315L4
88	143100	20.32	21000	2.0	JRTK169DN315L4
103	122200	17.34	20700	2.3	JRTKH169DN315L4
97	129400	18.37	10100	1.25	JRTK159DN315L4
120	105100	14.92	10400	1.50	JRTKF159DN315L4
141	89100	12.65	10500	1.70	JRTKA159DN315L4 JRTKAF159DN315L4
225HP					
34	423100	53.36	24200	1.05	JRTK189DN315L4
39	360700	45.50	24700	1.25	JRTKH189DN315L4
54	263400	33.23	25000	1.70	JRTK189DN315L4
64	221300	27.92	24900	2.0	JRTKH189DN315L4
74	191600	24.18	24600	2.2	JRTK189DN315L4
89	159700	20.15	24200	2.4	JRTKH189DN315L4
104	136200	17.18	23700	2.7	JRTK189DN315L4

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{\perp}}$ [lbf]	Service factor f_s	Model
225HP					
49	290200	36.61	19500	1.00	JRTK169DN315L4
73	194400	24.52	20300	1.45	JRTKH169DN315L4
88	161000	20.32	20200	1.75	JRTK169DN315L4
103	137400	17.34	20000	2.1	JRTKH169DN315L4
97	145600	18.37	9150	1.10	JRTK159DN315L4
120	118300	14.92	9630	1.35	JRTKF159DN315L4
141	100300	12.65	9850	1.50	JRTKA159DN315L4 JRTKAF159DN315L4
250HP					
39	399900	45.50	23200	1.10	JRTK189DN315H4
54	292000	33.23	23900	1.50	JRTKH189DN315H4
64	245400	27.92	23900	1.80	JRTK189DN315H4
74	212500	24.18	23800	2.0	JRTKH189DN315H4
89	177000	20.15	23500	2.2	JRTK189DN315H4
104	150900	17.18	23100	2.4	JRTKH189DN315H4
73	215500	24.52	19300	1.30	JRTK169DN315H4
88	178500	20.32	19400	1.60	JRTKH169DN315H4
103	152400	17.34	19300	1.85	JRTK169DN315H4
120	131100	14.92	8900	1.20	JRTK159DN315H4
142	111200	12.65	9230	1.35	JRTKF159DN315H4 JRTKA159DN315H4 JRTKAF159DN315H4
275HP					
39	440100	45.50	21600	1.00	JRTK189DN315H4
54	321400	33.23	22700	1.40	JRTKH189DN315H4
64	270100	27.92	23000	1.65	JRTK189DN315H4
74	233800	24.18	23000	1.80	JRTKH189DN315H4
89	194900	20.15	22800	2.0	JRTK189DN315H4
104	166100	17.18	22500	2.2	JRTKH189DN315H4
73	237200	24.52	18300	1.20	JRTK169DN315H4
88	196500	20.32	18500	1.45	JRTKH169DN315H4
103	167700	17.34	18600	1.70	JRTK169DN315H4
120	144300	14.92	8170	1.10	JRTK159DN315H4
142	122400	12.65	8610	1.25	JRTKF159DN315H4 JRTKA159DN315H4 JRTKAF159DN315H4
300HP					
54	350800	33.23	21600	1.25	JRTK189DN315H4
64	294800	27.92	22000	1.50	JRTKH189DN315H4
74	255300	24.18	22100	1.65	JRTK189DN315H4
89	212700	20.15	22100	1.85	JRTKH189DN315H4
104	181300	17.18	21900	2.0	JRTK189DN315H4
73	258900	24.52	17200	1.10	JRTK169DN315H4
88	214500	20.32	17700	1.30	JRTKH169DN315H4
103	183100	17.34	17900	1.55	JRTK169DN315H4
120	157500	14.92	7440	1.00	JRTK159DN315H4
141	133600	12.65	7990	1.15	JRTKF159DN315H4 JRTKA159DN315H4 JRTKAF159DN315H4

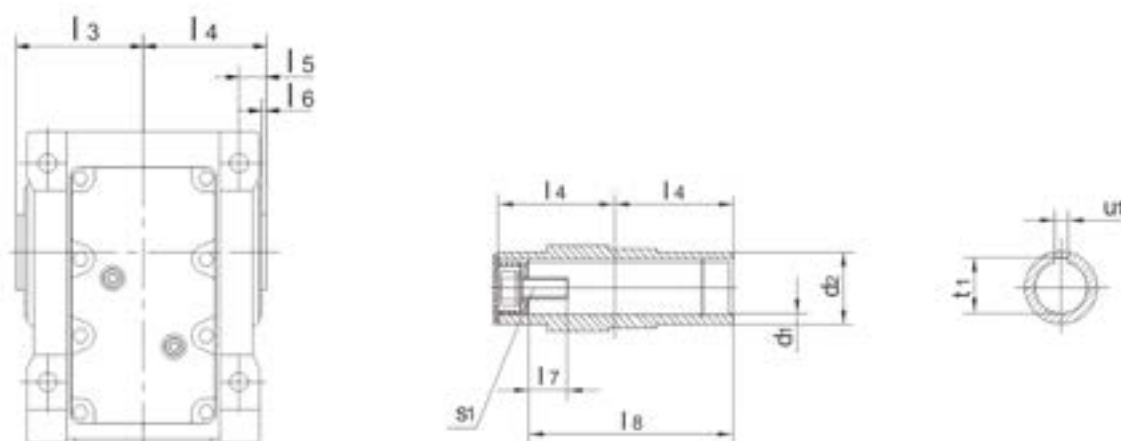


5. Features size table

JRTK39..~JRTK159..

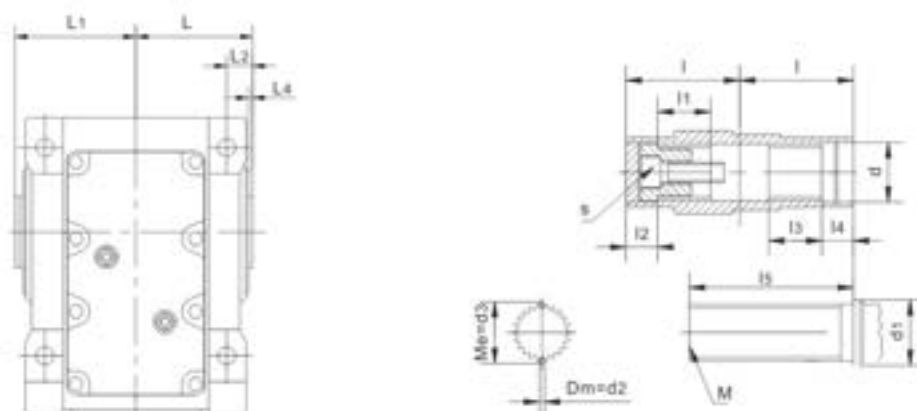


JRTKA49B..~JRTKA159B..



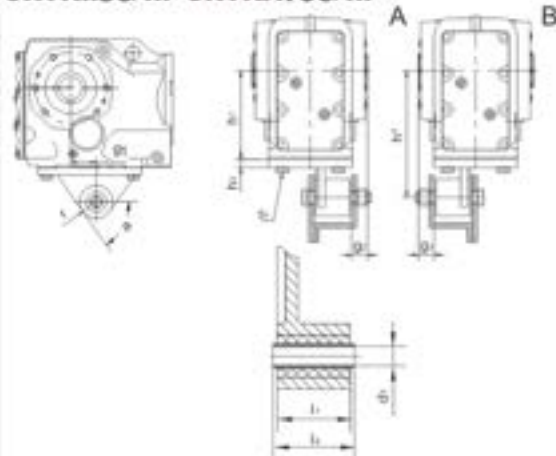
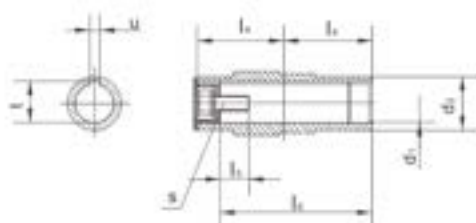
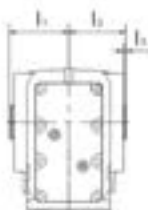
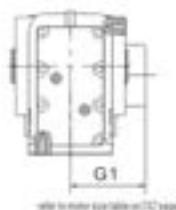
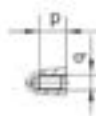
Model	a	e ₁	g ₁	h ₁	j	k	m	Shaft dimension				
	b c	e ₂ f	g ₂ g ₃	h ₂			n	d	l	l ₁ l ₂	s	t u
JRTK39...	115 110 100	148 141 120	32 28 60	100 ^{-0.5} 63 ^{-0.3}	16	11	33 36	Φ1.000in-0.0005	50	0.33in 1.31in	D3/8-16x0.86in	1.11in 0.250in
JRTK49... JRTKA49B...	130 130 120	163.5 177 145	37 35 75	112 ^{-0.5} 71 ^{-0.5}	18	11	35 47	Φ1.250in-0.0005	60	0.28in 1.69in	D1/2-13x1.12in	1.36in 0.250in
JRTK59... JRTKA59B...	150 130 130	186 174.5 157	45 30 88	132 ^{-0.5} 80 ^{-0.5}	21	13.5	40 44.5	Φ1.375in-0.0005	70	0.47in 1.81in	D1/2-13x1.12in	1.51in 0.3125in
JRTK69... JRTKA69B...	160 120 140	200 181 170	45 30 101	140 ^{-0.5} 90 ^{-0.5}	24	13.5	40 61	Φ1.625in-0.001	80	0.45in 2.25in	D5/8-11x1.37in	1.79in 0.375in
JRTK79... JRTKA79B...	200 150 165	255 205 200	55 40 123.5	180 ^{-0.5} 112 ^{-0.5}	27	17.5	55 55	Φ2.000in-0.001	100	0.66in 2.63in	D3/4-10x1.61in	2.22in 0.500in
JRTK89... JRTKA89B...	233 180 180	295 250 230	70 55 150	212 ^{-0.6} 132 ^{-0.5}	32	22	62 80	Φ2.375in-0.001	120	0.55in 3.63in	D3/4-10x1.61in	2.65in 0.625in
JRTK99... JRTKA99B...	295 240 240	374 306 290	75 75 171	265 ⁻¹ 160 ^{-0.5}	36	26	79 66	Φ2.875in-0.001	140	0.69in 4.13in	D3/4-10x1.61in	3.20in 0.750in
JRTK109... JRTKA109B...	360 280 270	448 380 340	95 95 212	315 ⁻¹ 200 ^{-0.5}	40	33	98 100	Φ3.625in-0.001	170	0.66in 5.38in	D1-8x2.12in	4.01in 0.875in
JRTK129... JRTKA129B...	420 350 330	526 440 400	110 115 253	375 ⁻¹ 225 ^{-0.5}	45	39	111 100	Φ4.375in-0.001	210	1.13in 6.00in	D1-8x2.12in	4.82in 1.000in
JRTK159... JRTKA159B...	500 380 420	634 480 500	130 140 247	450 ⁻¹ 280 ⁻¹	50	39	130 100	Φ4.750in-0.001	210	0.85in 6.56in	D1-8x2.12in	5.29in 1.250in
Model	hollow shaft dimension							H	L ₁ L ₂	L ₃	N	Q
	d ₁	d ₂	l ₃ l ₄	l ₅ l ₆	l ₇ l ₈	s ₁	t ₁ u ₁					
JRTK39...	—	—	—	—	—	—	—	162	110 60	139	8.5	120
JRTK49... JRTKA49B...	Φ1.375inH7	50	78 75	15 3	0.67 5.20	1/2-13x1.00in	1.53in 0.3125in	182.5	135 72	166	7.2	160
JRTK59... JRTKA59B...	Φ1.500inH7	55	86 83	18 3	1.40 5.59	5/8-11x1.75in	1.67in 0.375in	213	153 80	173	13.1	160
JRTK69... JRTKA69B...	Φ1.500inH7	55	93 90	20 3.5	1.40 6.14	5/8-11x1.75in	1.67in 0.375in	225	171 86.5	179	20	160
JRTK79... JRTKA79B...	Φ2.000inH7	70	108 105	22.5 4	1.19 7.20	5/8-11x1.75in	2.24in 0.500in	285	206 101	202	31.3	200
JRTK89... JRTKA89B...	Φ2.375inH7	85	123 120	30 4	1.42 8.27	3/4-10x2.00in	2.67in 0.625in	335	240 116	257	25.9	250
JRTK99... JRTKA99B...	Φ2.750inH7	95	153 150	30 4	1.28 10.63	3/4-10x2.00in	3.05in 0.625in	409	291 146	277	32.3	300
JRTK109... JRTKA109B...	Φ3.625inH7	118	178 175	40 2.5	1.27 12.32	3/4-10x2.00in	3.89in 0.875in	503	347 175	341	52	350
JRTK129... JRTKA129B...	Φ4.000inH7	135	208 205	40 2.5	1.27 14.69	1-8x2.25in	4.46in 1.000in	592	418 203	390	53	450
JRTK159... JRTKA159B...	Φ4.500inH7	155	253 250	40	1.02 18.11	1-8x2.25in	4.95in 1.000in	705	457 250	426	71.7	550





Model	a b c	e ₁ e ₂ f	g ₁ g ₂	h ₁ h ₂	j	k	m n	hollow shaft dimension					
								l	l ₁	l ₂	b	l ₄	
JRTKH49B..	130	163.5	37	112 ^{-0.5}	18	11	35	102	75	32	20	37	
JRTKV49B..	130	177	35	71 ^{-0.5}			47	75	32	18	32	18	
	120	145											
JRTKH59B..	150	186	45	132 ^{-0.5}	21	13.5	40	112	83	26	20	31	
JRTKV59B..	130	174.5	30	80 ^{-0.5}			44.5	83	32	18	32	18	
	130	157											
JRTKH69B..	160	200	45	140 ^{-0.5}	24	13.5	40	118	90	38	20	43	
JRTKV69B..	120	181	30	90 ^{-0.5}			61	90	42	25	42	25	
	140	170											
JRTKH79B..	200	255	55	180 ^{-0.5}	27	17.5	55	136	105	36	30	41	
JRTKV79B..	150	205	40	112 ^{-0.5}			55	105	52	23	52	23	
	165	200											
JRTKH89B..	233	295	70	212 ^{-0.5}	32	22	62	161	120	41	40	46	
JRTKV89B..	180	250	55	132 ^{-0.5}			80	120	62	25	62	25	
	180	230											
JRTKH99B..	295	374	75	265 ⁻¹	36	26	79	195	150	55	50	60	
JRTKV99B..	240	306	75	160 ^{-0.5}			66	150	72	25	72	25	
	240	290											
JRTKH109B..	360	448	95	315 ⁻¹	40	33	98	230	175	65	60	75	
JRTKV109B..	280	380	95	200 ^{-0.5}			100	175	89	26	89	26	
	270	340											
JRTKH129B..	420	526	110	375 ⁻¹	45	39	111	280	205	85	70	95	
	350	440	115	225 ^{-0.5}			100	-	-	-	-	-	
	330	400											
JRTKH159B..	500	634	130	450 ⁻¹	50	39	130	330	250	90	80	100	
	380	480	140	280 ⁻¹			100	-	-	-	-	-	
	420	500											
Model	hollow shaft dimension							H	L	L ₁ L ₂	L ₃ L ₄	N	Q
	l ₅	d	d ₁	d ₂	d ₃	M	S						
JRTKH49B..	25	35H7	35h6	50	-	-	-	182.5	75	120 15	166 3	7.2	160
JRTKV49B..	115	37 ^{-0.1}	≥42	4	38.92 ^{-0.04}	35x2x30x16	M10x30						
JRTKH59B..	25	40H7	40h6	55	-	-	-	213	83	136 18	173 3	13.1	160
JRTKV59B..	130	37 ^{-0.1}	≥42	4	38.92 ^{-0.04}	35x2x30x16	M10x30						
JRTKH69B..	25	40H7	40h6	55	-	-	-	225	90	142 20	179 3.5	20	160
JRTKV69B..	130	47 ^{-0.1}	≥52	4	48.85 ^{-0.04}	45x2x30x21	M16x50						
JRTKH79B..	35	50H7	50h6	70	-	-	-	285	105	176 22.5	202 4	31.3	200
JRTKV79B..	160	55 ^{-0.1}	≥62	4	54.13 ^{-0.04}	50x2x30x24	M16x50						
JRTKH89B..	45	65H7	65h6	85	-	-	-	335	120	199 30	257 4	25.9	250
JRTKV89B..	180	72 ^{-0.1}	≥82	4	68.96 ^{-0.04}	65x2x30x31	M20x60						
JRTKH99B..	55	75H7	75h6	95	-	-	-	409	150	229 30	277 4	32.3	300
JRTKV99B..	240	72 ^{-0.1}	≥90	4	74.15 ^{-0.04}	70x2x30x34	M20x60						
JRTKH109B..	70	95H7	95h6	118	196	-	-	503	175	246 40	341 2.5	52	350
JRTKV109B..	290	90 ^{-0.1}	≥105	6	90.99 ^{-0.04}	85x3x30x27	M20x60						
JRTKH129B..	80	105H7	105h6	135	229	-	-	592	205	299 40	390 2.5	53	450
	-	-	-	-	-	-	-						
JRTKH159B..	90	125H7	125h6	155	315	-	-	705	250	354 40	426 0	71.7	550
	-	-	-	-	-	-	-						

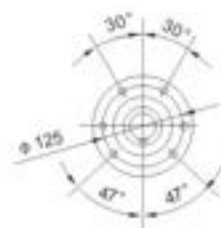
JRTKVZ...Spline shaft is a cording to DIN standard .If you need GB or ISO standard . Please contact with us.



JRTKA39..



JRTKA49..



JRTKA59..
JRTKA69..



JRTKA79..



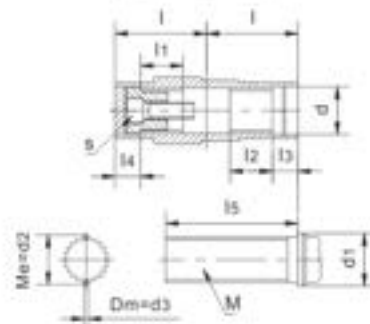
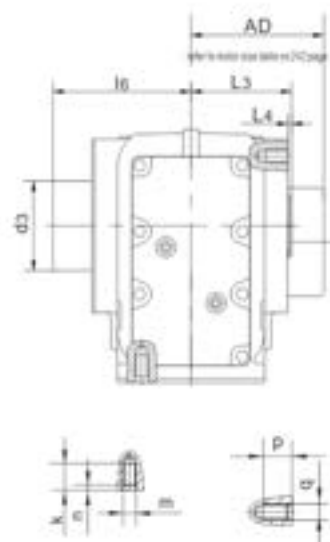
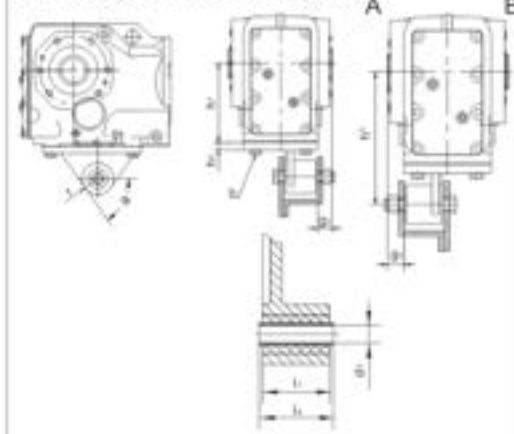
JRTKA89..



JRTKA99..

型 号 Model	a b c	e f g	h	k m n	p q	空心轴尺寸 Hollow shaft dimension				扭矩臂尺寸 Torque arm form				H L ₁ L ₂	N Q
						d ₁ d ₂	l ₁ l ₂ l ₃	l ₄ l ₅ l ₆	s t u	g ₁ g ₂ g ₃	h ₁ h ₂ h ₃	d ₃ l ₇ l ₈	r s ₁ α		
JRTKA39.. JRTK...39/T.. 82	60 35 82	100 147 97	100 _{±0.5}	20 M10 4	12 M8	Φ1.250inH7 Φ45	63 60 2.5	60 0.68in 105	7/16-14x1.00in 1.37in 0.250in	23.5 20 20	100 _{±0.5} 10 140 _{±0.2 -0.7}	10.4 ± 0.1 31 36 _{±0.3}	22.5 M10X25 60°	162 213.5 139	8.5 120
JRTKA49.. JRTK...49/T.. 100	70 40 100	114 177 122	112 _{±0.5}	20 M10 4	12 M8	Φ1.375inH7 Φ50	78 75 3	75 0.67in 132	1/2-13x1.00in 1.53in 0.3125in	30 20 20	112 _{±0.5} 12 160 _{±0.2 -0.7}	10.4 ± 0.1 31 36 _{±0.3}	22.5 M10X30 55°	183 243.5 166	7.2 160
JRTKA59.. JRTK...59/T.. 105	88 47 105	129 191.5 124.5	132 _{±0.5}	25 M12 5	20 M12	Φ1.500inH7 Φ55	86 83 3	83 1.40in 142	5/8-11x1.75in 1.67in 0.375in	40 18 18	132 _{±0.5} 13 192 _{±0.2 -0.7}	16.4±0.08 54 60 _{±0.3}	29 M12X35 55°	212 267.5 173	13.1 160
JRTKA69.. JRTK...69/T.. 110	88 42 110	136 196 129	140 _{±0.5}	25 M12 5	20 M12	Φ1.500inH7 Φ55	94 90 3.5	90 1.40in 156	5/8-11x1.75in 1.67in 0.375in	45 25 25	140 _{±0.5} 13 200 _{±0.2 -0.7}	16.4±0.08 54 60 _{±0.3}	29 M12X35 55°	225 274 179	20 160
JRTKA79.. JRTK...79/T.. 122	102 48 122	155 205 140	180 _{±0.5}	32 M16 6	20 M12	Φ2.000inH7 Φ70	108 105 4	105 1.19in 183	5/8-11x1.75in 2.24in 0.500in	52.5 25 25	180 _{±0.5} 14 250 _{±0.2 -0.7}	16.4±0.08 54 60 _{±0.3}	29 M16X40 60°	284 312 202	31.3 200
JRTKA89.. JRTK...89/T.. 160	118 65 160	182 274 186	212 _{±0.5}	32 M16 6	26 M16	Φ2.375inH7 Φ85	123 120 4	120 1.42in 210	3/4-10x2.00in 2.67in 0.625in	60 30 30	212 _{±0.5} 16 300 _{±0.2 -0.7}	25±0.08 72 80 _{±0.3}	41 M16X45 60°	335 386.5 257	25.9 250
JRTKA99.. JRTK...99/T.. 165	160 83 165	244 309 196	265 _{±1}	36 M20 6	26 M16	Φ2.750inH7 Φ95	153 150 4	150 1.28in 270	3/4-10x2.00in 3.05in 0.625in	70 40 40	265 _{±1} 17 350 _{±0.2 -1.2}	25 ± 0.08 92 100 _{±0.3}	41 M20X50 50°	410 433.5 277	32.3 300
JRTKA109.. JRTK...109/T.. 190	190 100 190	266 370 230	315 _{±1}	44 M24 8	-	Φ3.625inH7 Φ118	178 175 2.5	175 1.27in 313	3/4-10x2.00in 3.89in 0.875in	74 45 45	315 _{±1} 20 450 _{±0.3 -1.5}	25 ± 0.08 92 100 _{±0.3}	41 M24X60 55°	500 537 341	52 350





JRTK..39..



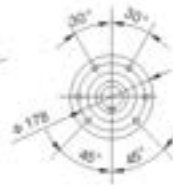
JRTK..49..



JRTK..59..
JRTK..69..



JRTK..79..



JRTK..89..

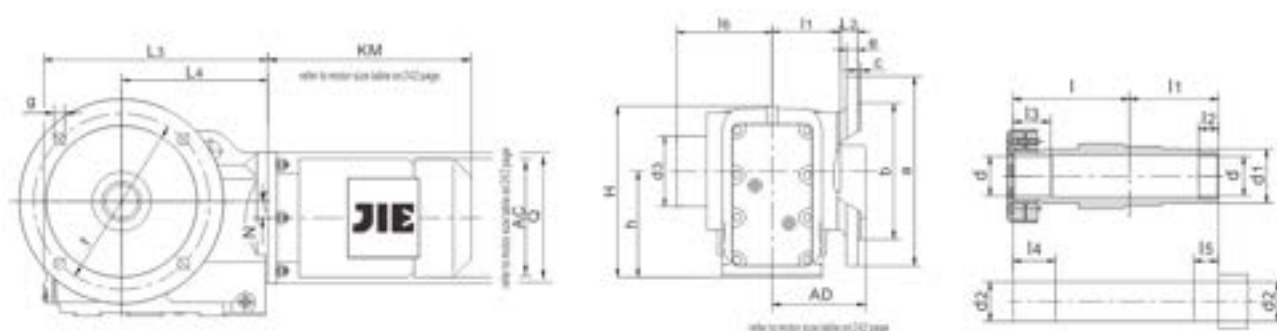


JRTK..99..

Model	a b c	e f g	h	k m n	p q	l	h	l ₂	l ₃	l ₄	l ₅	l ₆	
JRTKH39..	60	100	100 ^{-0.3}	20	12	86	60	31	20	36	25	104	
JRTKV39..	35 82	147 97		M10 4	M8	60	25	25	18	18	85	62	
JRTKH49..	70	114		20	12	102	75	32	20	37	25	120	
JRTKV49..	40 100	177 122	112 ^{-0.3}	M10 4	M8	75	32	32	18	18	115	77	
JRTKH59..	88	129	132 ^{-0.3}	25	20	112	83	26	20	31	25	136	
JRTKV59..	47 105	191.5 124.5		M12 5	M12	83	32	32	18	18	130	85	
JRTKH69..	88	136		25	20	118	90	38	20	43	25	142	
JRTKV69..	42 110	196 129	140 ^{-0.3}	M12 5	M12	90	42	42	25	25	130	90	
JRTKH79..	102	155	180 ^{-0.3}	32	20	136	105	36	30	41	35	176	
JRTKV79..	48 122	205 140		M16 6	M12	105	52	52	23	23	160	105	
JRTKH89..	118	182		32	26	161	120	41	40	46	45	199	
JRTKV89..	65 160	274 186	212 ^{-0.3}	M16 6	M16	120	62	62	25	25	180	120	
JRTKH99..	160	244	265 ^{-0.3}	36	26	195	150	55	50	60	55	229	
JRTKV99..	83 165	309 196		M20 6	M16	150	72	72	25	25	240	150	
JRTKH109..	190	266		44	-	230	175	65	60	75	70	246	
JRTKV109..	100 190	370 230	315 ^{-0.3}	M24 8	-	175	89	89	26	26	290	178	
Model	d	d ₁	d ₂	d ₃	s	M	g ₁ g ₂ g ₃	h ₁ h ₂ h ₃	d ₃ l ₇ l ₈	r s ₁ a	L ₁ L ₂ L ₃	L ₄ H	N Q
JRTKH39..	30H7	45	30h6	80	-	-	23.5	100 ^{-0.5} 10	10.4 ± 0.1 31	22.5 M10X25	213.5 139	2.5	8.5
JRTKV39..	37 ^{+0.1} 0	≥42	33.03 ^{+0.08} -0.08	2.75	M10x30	30x1.25x30x22	20	140 ^{+0.5} -0.5	36 ^{-0.3}	60°	60	162	120
JRTKH49..	35H7	50	35h6	88	-	-	30	112 ^{-0.5} 10	10.4 ± 0.1 31	22.5 M10X25	243.5 166	3	7.2
JRTKV49..	37 ^{+0.1} 0	≥42	38.92 ^{+0.08} -0.08	4	M10x30	35x2x30x16	20	160 ^{+0.5} -0.5	36 ^{-0.3}	55°	75	182.5	160
JRTKH59..	40H7	55	40h6	100	-	-	40	132 ^{-0.5} 13	16.4 ± 0.08 54	29 M12X35	267.5 173	3	13.1
JRTKV59..	37 ^{+0.1} 0	≥42	38.92 ^{+0.08} -0.08	4	M10x30	35x2x30x16	18	192 ^{+0.5} -0.5	60 ^{-0.3}	55°	83	213	160
JRTKH69..	40H7	55	40h6	100	-	-	45	140 ^{-0.5} 13	16.4 ± 0.08 54	29 M12X35	274 179	3.5	20
JRTKV69..	47 ^{+0.1} 0	≥52	48.85 ^{+0.08} -0.08	4	M16x50	45x2x30x21	25	200 ^{+0.5} -0.5	60 ^{-0.3}	55°	90	225	160
JRTKH79..	50H7	70	50h6	124	-	-	52.5	180 ^{-0.5} 14	16.4 ± 0.08 54	29 M16X40	312 202	4	31.3
JRTKV79..	55 ^{+0.1} 0	≥62	54.13 ^{+0.08} -0.08	4	M16x50	50x2x30x24	25	250 ^{+0.5} -0.5	60 ^{-0.3}	60°	105	285	200
JRTKH89..	65H7	85	65h6	165	-	-	60	212 ^{-0.5} 16	25 ± 0.08 72	41 M16X45	386.5 257	4	25.9
JRTKV89..	72 ^{+0.1} 0	≥82	68.96 ^{+0.08} -0.08	4	M20x60	65x2x30x31	30	300 ^{+0.5} -0.5	80 ^{-0.3}	60°	120	335	250
JRTKH99..	75H7	95	75h6	200	-	-	70	265 ⁻¹ 17	25 ± 0.08 92	41 M20X50	433.5 277	4	32.3
JRTKV99..	72 ^{+0.1} 0	≥90	74.15 ^{+0.08} -0.08	4	M20x60	70x2x30x34	40	350 ^{+0.5} -0.5	100 ^{-0.3}	50°	150	409	300
JRTKH109..	95H7	118	95h6	196	-	-	74	315 ⁻¹ 20	25 ± 0.08 92	41 M24X60	537 341	2.5	52
JRTKV109..	90 ^{+0.1} 0	≥105	90.99 ^{+0.08} -0.08	6	M20x60	85x3x30x27	45	450 ^{+0.5} -0.5	100 ^{-0.3}	55°	175	500	350

JRTKV...Spline shaft is according to DIN standard .If you need GB or ISO standard . Please contact with us.

JRTKHF39..~JRTKHF159..



JRTKVF39..~JRTKVF109..

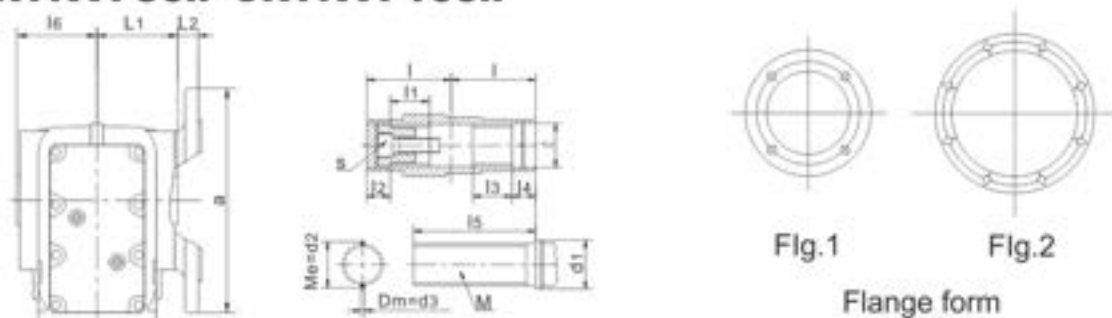


Fig. 1

Fig.2

Flange form

[illegible]

JRTKVF...Spline shaft is a cording to DIN standard .If you need GB or ISO standard . Please contact with us.

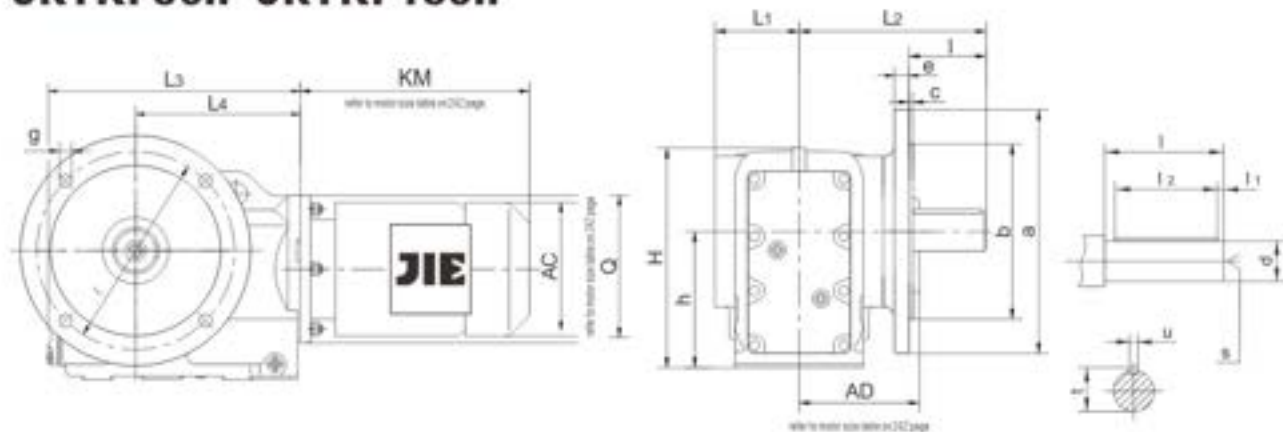
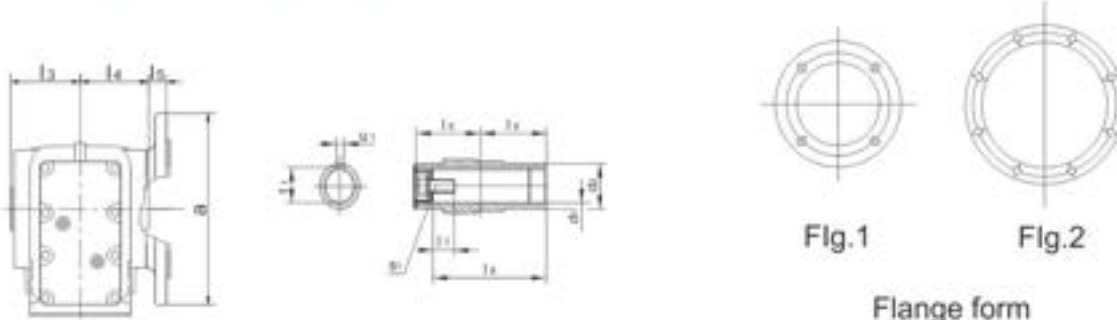
JRTKF39..~JRTKF159..**JRTKAF39..~JRTKAF159..**

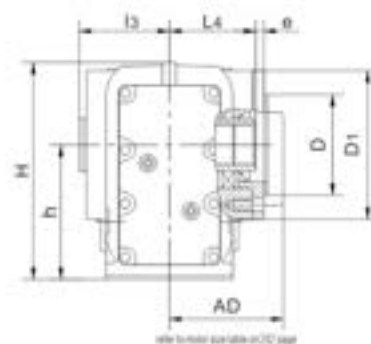
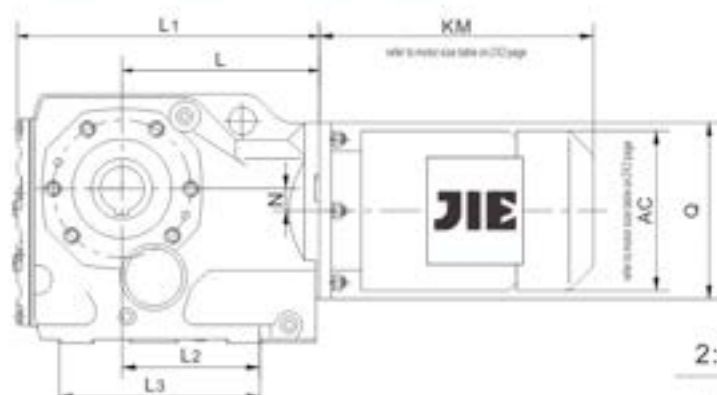
Fig.1

Fig.2

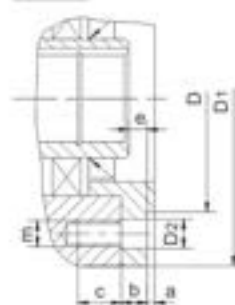
Flange form

Model	Flange form	a b	c e	f g h	Shaft dimension				Hollow shaft dimension					H	L ₁ L ₂ L ₃	L ₄ N Q
					d l	l ₁ l ₂	s	t u	d ₁ d ₂	l ₃ l ₄ l ₅	l ₆ l ₇ l ₈	s ₁	t ₁ u ₁			
JRTKF39..	Fig.1	160	3.5	130	Φ1.000-0.0005	5	M10	28	Φ1.250inH7	63	60	7/16-14x1.00in	1.37in	162	57.5	139
JRTKAF39..		110j6	10	100	50	40		8	Φ45	24	105		0.250in		134	8.5
JRTKF49..	Fig.1	200	3.5	165	Φ1.250-0.0005	3.5	M10	33	Φ1.375inH7	78	75	1/2-13x1.00in	1.53in	182.5	72	166
JRTKAF49..		130j6	10	112	60	50		8	Φ50	25	132		0.3125in		160	7.2
JRTKF59..	Fig.1	250	4	215	Φ1.375-0.0005	7	M12	38	Φ1.500inH7	86	83	5/8-11x1.75in	1.67in	213	80	173
JRTKAF59..		180j6	15	132	70	56		10	Φ55	23.5	142		0.375in		177	13.1
JRTKF69..	Fig.1	250	4	215	Φ1.625-0.001	5	M16	43	Φ1.500inH7	94	90	5/8-11x1.75in	1.67in	225	86.5	179
JRTKAF69..		180j6	15	140	80	70		12	Φ55	23	156		0.375in		193	20
JRTKF79..	Fig.1	300	4	265	Φ2.000-0.001	10	M16	53.5	Φ2.000inH7	108	105	5/8-11x1.75in	2.24in	285	101	202
JRTKAF79..		230j6	16	180	100	80		14	Φ70	37	183		0.500in		242	31.3
JRTKF89..	Fig.1	350	5	300	Φ2.375-0.001	5	M20	64	Φ2.375inH7	123	120	3/4-10x2.00in	2.67in	335	138	257
JRTKAF89..		250h6	18	212	120	110		18	Φ85	30	210		0.625in		270	25.9
JRTKF99..	Fig.2	450	5	400	Φ2.875-0.001	7.5	M20	74.5	Φ2.750inH7	153	150	3/4-10x2.00in	3.05in	409	171	277
JRTKAF99..		350h6	22	265	140	125		20	Φ95	41.5	270		0.625in		332	32.3
JRTKF109..	Fig.2	450	5	400	Φ3.625-0.001	5	M24	95	Φ3.625inH7	178	175	3/4-10x2.00in	3.89in	500	175	341
JRTKAF109..		350h6	25	315	170	160		25	Φ118	41	313		0.875in		386	52
JRTKF129..	Fig.2	550	5	500	Φ4.375-0.001	15	M24	116	Φ4.000inH7	208	205	1-8x2.25in	4.46in	592	203	390
JRTKAF129..		450h6	22	375	210	180		28	Φ135	51	373		1.000in		466	53
JRTKF159..	Fig.2	660	6	600	Φ4.750-0.001	5	M24	127	Φ4.500inH7	253	250	1-8x2.25in	4.95in	705	253	426
JRTKAF159..		550h6	28	450	210	200		32	Φ155	60	460		1.000in		520	71.7

JRTKAZ39..~JRTKAZ159..



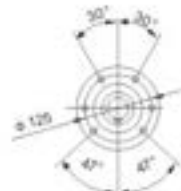
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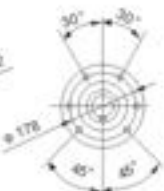
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JRTK..Z49..


 JRTK..Z59..
 JRTK..Z69..


JRTK..Z79..

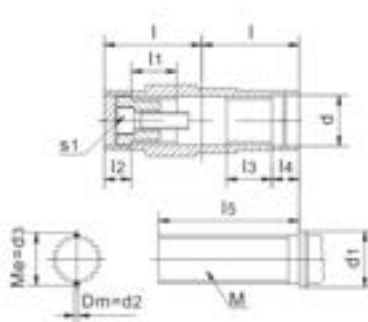
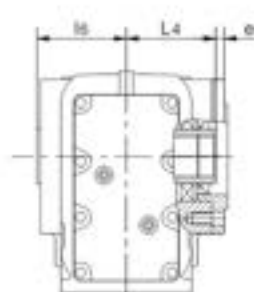
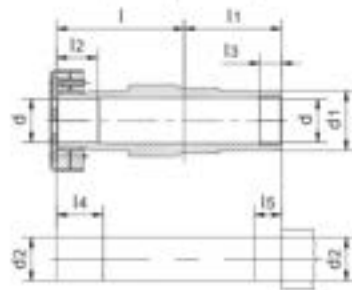
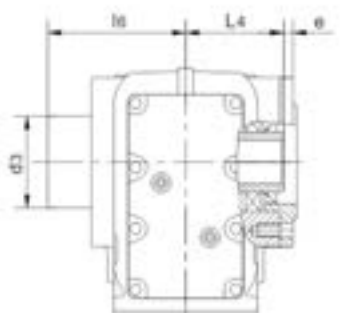


JRTK..Z89..



JRTK..Z99..

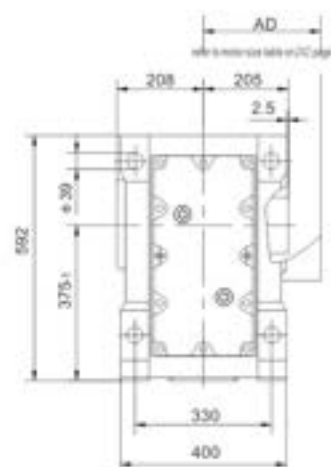
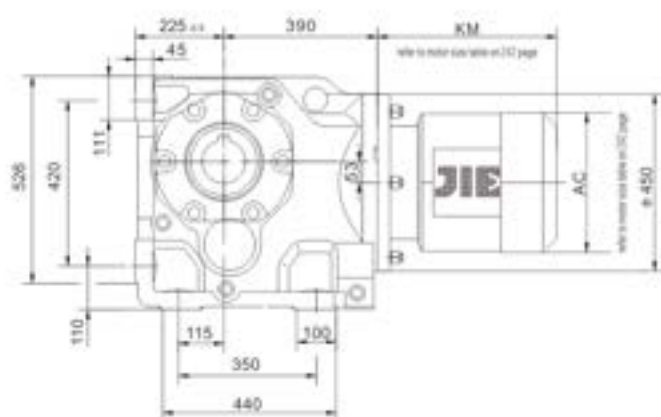
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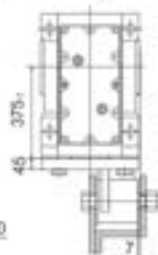
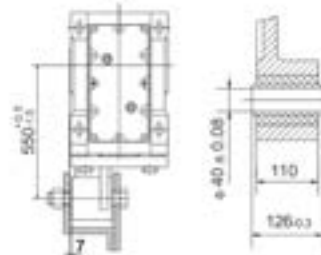
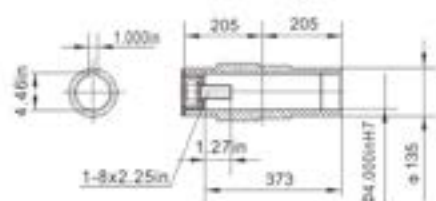
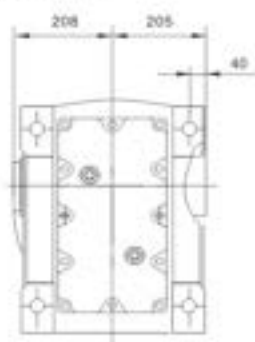
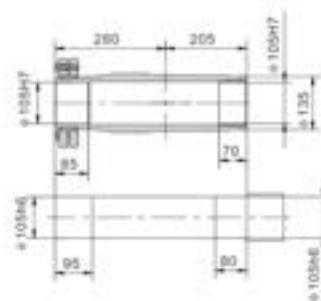
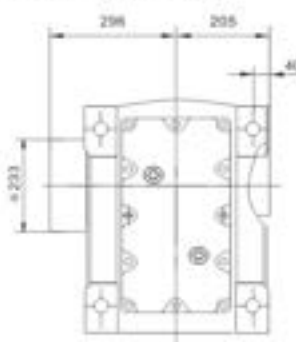


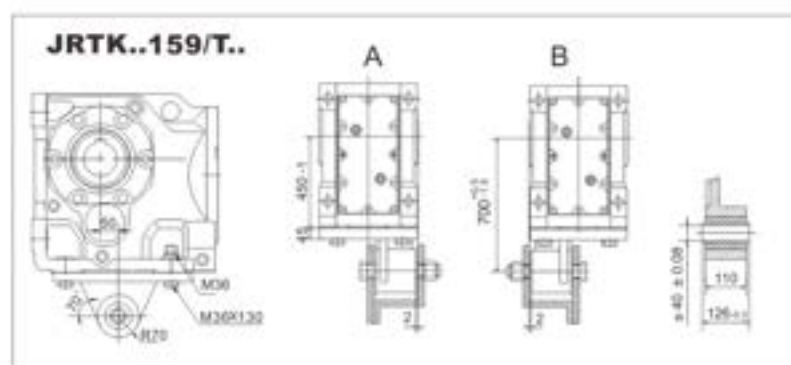
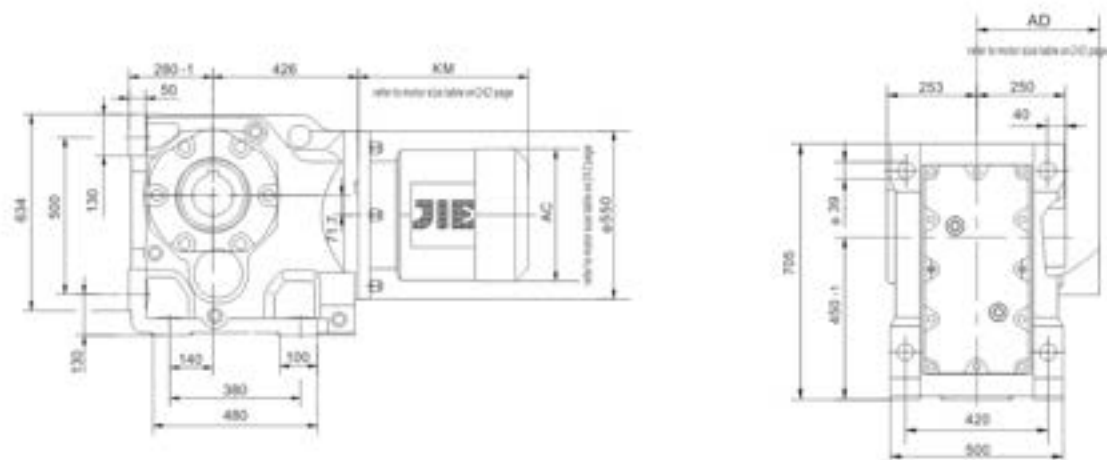
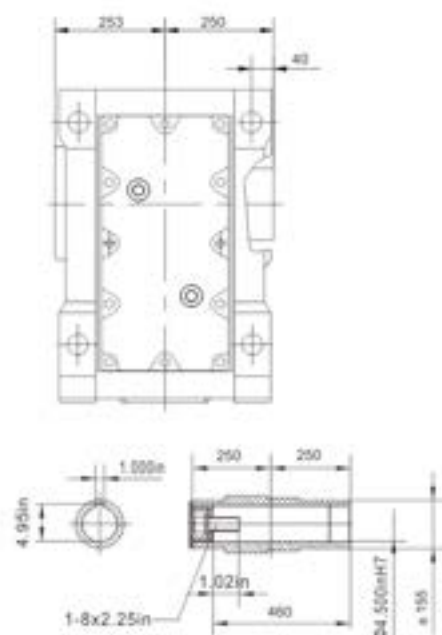
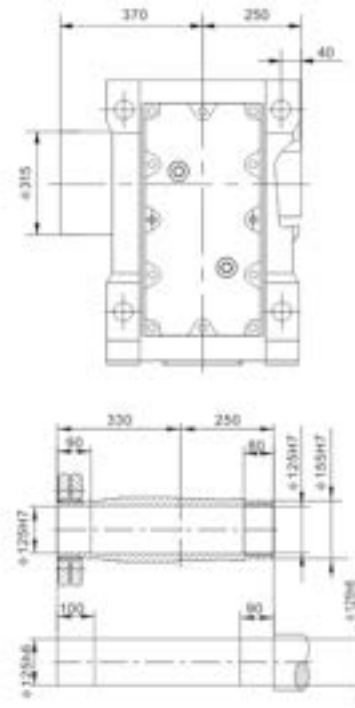
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JRTKAZ39..	3	9	110	213.5	60	162	60	0.68in	105	63	-	-
JRTKHZ39..	11.5	M8	9	97	94		86	60	31	20	36	25
JRTKVZ39..	12	80j6	139	147	8.5		60	25	18	25	18	85
JRTKAZ49..	3	8.5	120	243.5	75	182.5	75	0.67in	132	78	-	-
JRTKHZ49..	11	M8	9	120	102		102	75	32	20	37	25
JRTKVZ49..	12	80j6	166	175	7.2		75	32	18	32	18	115
JRTKAZ59..	3.5	9	155	267.5	90	213	83	1.4in	142	86	-	-
JRTKHZ59..	12	M12	13.5	124.5	125		112	83	26	20	31	25
JRTKVZ59..	20	105j6	173	191.5	13.1		83	32	18	32	18	130
JRTKAZ69..	3.5	8.5	155	274	105	225	90	1.40in	156	94	-	-
JRTKHZ69..	12	M12	13.5	129	125		118	90	38	20	43	25
JRTKVZ69..	20	105j6	179	196	20		90	42	25	42	25	130
JRTKAZ79..	3.5	10	170	312	105	285	105	1.19in	183	108	-	-
JRTKHZ79..	14	M12	13.5	140	142		136	105	36	30	41	35
JRTKVZ79..	20	125j6	202	205	31.3		105	52	23	52	23	160
JRTKAZ89..	4	11	215	386.5	120	335	120	1.42in	210	123	-	-
JRTKHZ89..	15	M16	17.5	186	178		161	120	41	40	46	45
JRTKVZ89..	26	155j6	257	274	25.9		120	62	25	62	25	180
JRTKAZ99..	4	14	260	433.5	150	409	150	1.28in	270	153	-	-
JRTKHZ99..	18	M16	17.5	196	220		195	150	55	50	60	55
JRTKVZ99..	26	180j6	277	309	32.5		150	72	25	72	25	240
JRTKAZ109..	4	-12	304	537	175	500	175	1.27in	313	178	-	-
JRTKHZ109..	22	M20	22	230	260		230	175	65	60	75	70
JRTKVZ109..	30	210j6	341	370	52		175	89	26	89	26	290
JRTKAZ129..	5	0	350	615	205	592	205	1.27in	373	208	-	-
JRTKHZ129..	30	M20	22	288	300		280	205	85	70	95	80
JRTKVZ129..	28	250h6	390	440	53		280	205	85	70	95	80
JRTKAZ159..	5	-14	400	706	250	705	250	1.02in	460	253	-	-
JRTKHZ159..	28	M24	26	298	340		330	250	90	80	100	90
JRTKVZ159..	36	290h6	426	480	71.7		330	250	90	80	100	90

型 号 Model	l ₆	d	d ₁	d ₂	d ₃	u	T	S	S ₁	M
JRTKAZ39..	-	Φ1.250inH7	45	-	-	0.250in	1.37in	7/16-14x1.00in	-	-
JRTKHZ39..	104	Φ30mmH7	45	30h6	80	-	-	-	-	-
JRTKVZ39..	62	Φ37mm+0.1	≥42	2.75	33.03 ^{+0.01} _{-0.01}	-	-	-	M10 x 30	30 x 1.25 x 30 x 22
JRTKAZ49..	-	Φ1.375inH7	50	-	-	0.3125in	1.53in	1/2-13x1.00in	-	-
JRTKHZ49..	120	Φ35mmH7	50	35h6	88	-	-	-	-	-
JRTKVZ49..	77	Φ37mm+0.1	≥42	4	38.92 ^{+0.01} _{-0.01}	-	-	-	M10 x 30	35 x 2 x 30 x 16
JRTKAZ59..	-	Φ1.500inH7	55	-	-	0.375in	1.67in	5/8-11x1.75in	-	-
JRTKHZ59..	136	Φ40mmH7	55	40h6	100	-	-	-	-	-
JRTKVZ59..	85	Φ37mm+0.1	≥42	4	38.92 ^{+0.01} _{-0.01}	-	-	-	M10 x 30	35 x 2 x 30 x 16
JRTKAZ69..	-	Φ1.500inH7	55	-	-	0.375in	1.67in	5/8-11x1.75in	-	-
JRTKHZ69..	142	Φ40mmH7	55	40h6	100	-	-	-	-	-
JRTKVZ69..	90	Φ47mm+0.1	≥52	4	48.85 ^{+0.01} _{-0.01}	-	-	-	M16 x 50	45 x 2 x 30 x 21
JRTKAZ79..	-	Φ2.000inH7	70	-	-	0.500in	2.24in	5/8-11x1.75in	-	-
JRTKHZ79..	176	Φ50mmH7	70	50h6	124	-	-	-	-	-
JRTKVZ79..	105	Φ55mm+0.1	≥62	4	54.13 ^{+0.01} _{-0.01}	-	-	-	M16 x 50	50 x 2 x 30 x 24
JRTKAZ89..	-	Φ2.375inH7	85	-	-	0.625in	2.67in	3/4-10x2.00in	-	-
JRTKHZ89..	199	Φ65mmH7	85	65h6	165	-	-	-	-	-
JRTKVZ89..	120	Φ72mm+0.1	≥82	4	68.96 ^{+0.04} _{-0.04}	-	-	-	M20 x 60	65 x 2 x 30 x 31
JRTKAZ99..	-	Φ2.750inH7	95	-	-	0.625in	3.05in	3/4-10x2.00in	-	-
JRTKHZ99..	229	Φ75mmH7	95	75h6	200	-	-	-	-	-
JRTKVZ99..	150	Φ72mm+0.1	≥90	4	74.15 ^{+0.04} _{-0.04}	-	-	-	M20 x 60	70 x 2 x 30 x 34
JRTKAZ109..	-	Φ3.625inH7	118	-	-	0.875in	3.89in	3/4-10x2.00in	-	-
JRTKHZ109..	246	Φ95mmH7	118	95h6	196	-	-	-	-	-
JRTKVZ109..	178	Φ90mm+0.1	≥105	6	90.99 ^{+0.04} _{-0.04}	-	-	-	M20 x 60	85 x 3 x 30 x 27
JRTKAZ129..	-	Φ4.000inH7	135	-	-	1.000in	4.46in	1-8x2.25in	-	-
JRTKHZ129..	299	Φ105mmH7	135	105h6	229	-	-	-	-	-
JRTKAZ159..	-	Φ4.500inH7	155	-	-	1.000in	4.95in	1-8x2.25in	-	-
JRTKHZ159..	354	Φ125mmH7	155	125h6	315	-	-	-	-	-

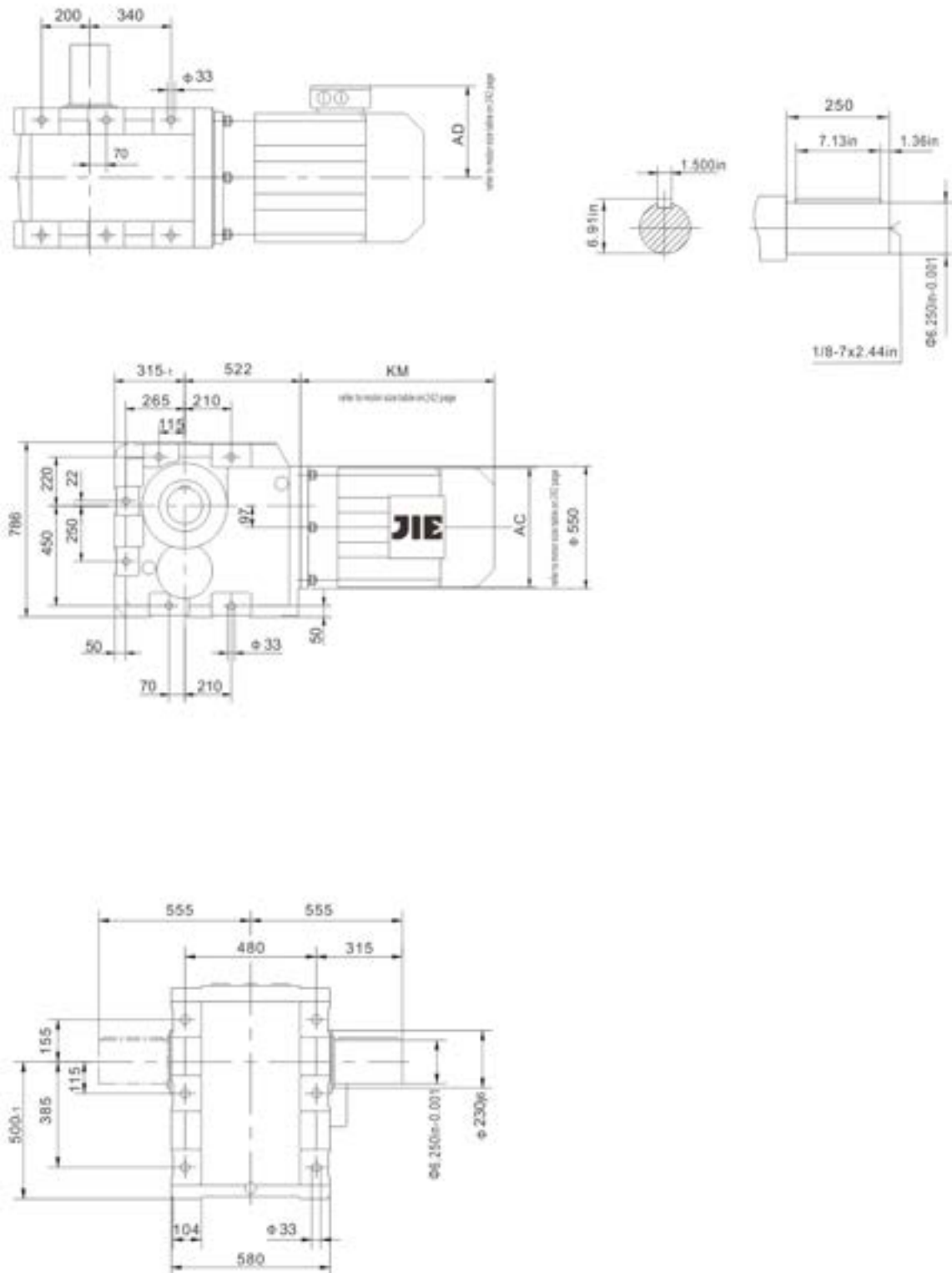
JRTKVZ...Spline shaft is a cording to DIN standard .If you need GB or ISO standard . Please contact with us.

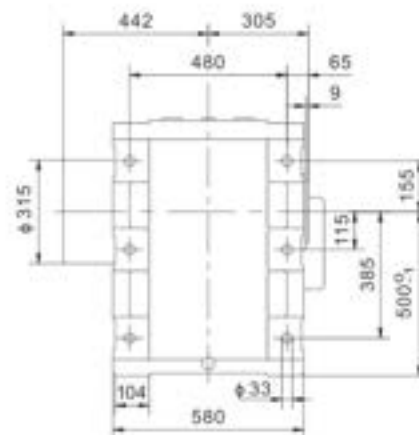
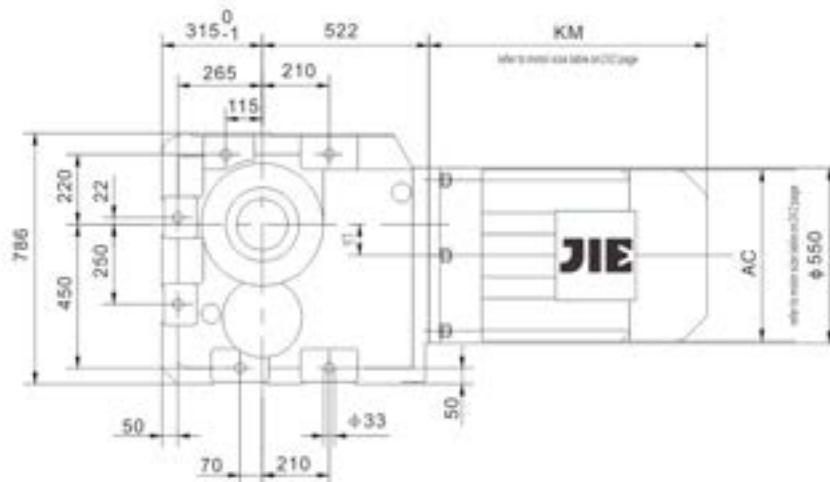
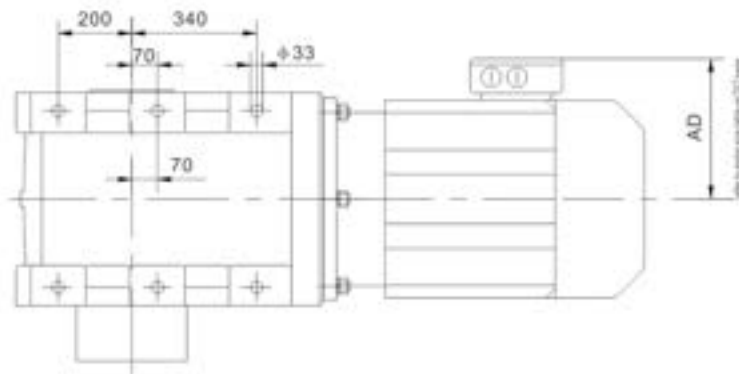

JRTK..129/T..

A

B

JRTKA129..

JRTKH129..


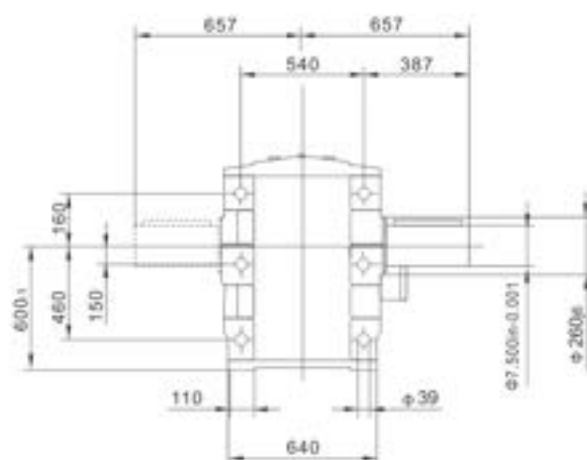
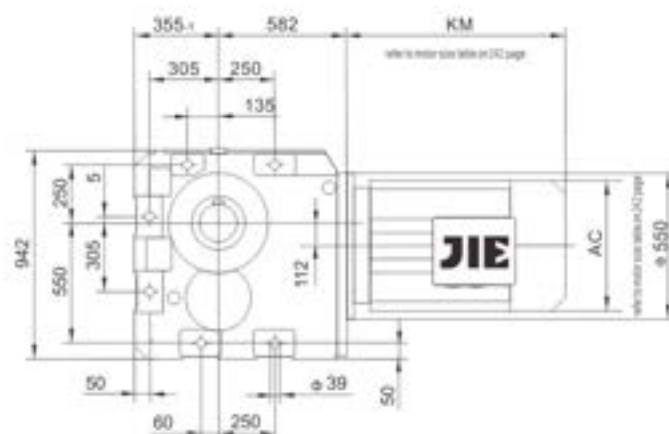
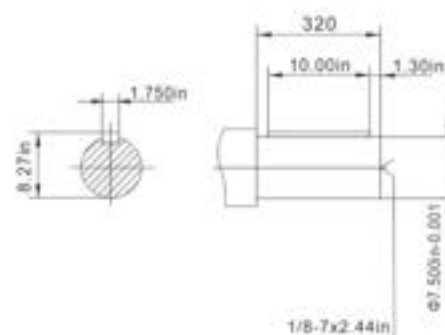
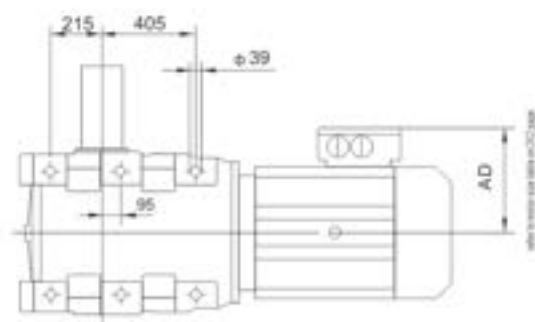
**JRTKA159..****JRTKH159..**

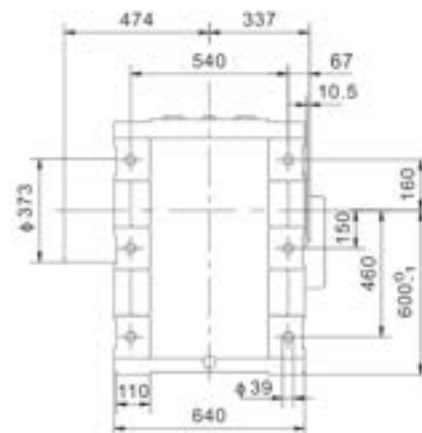
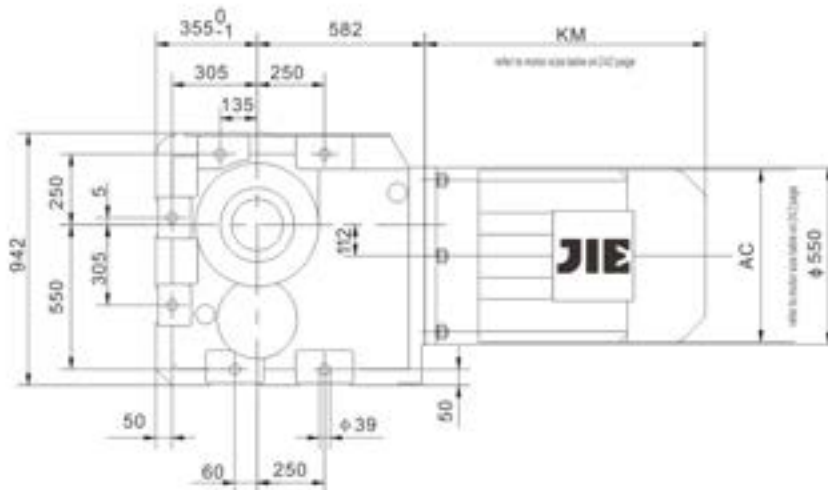
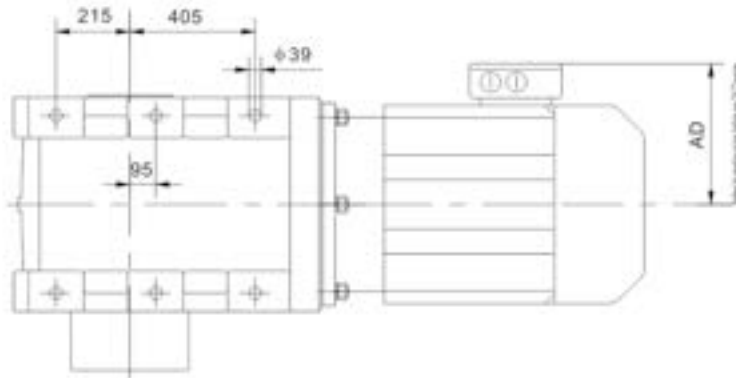
JRTK169..



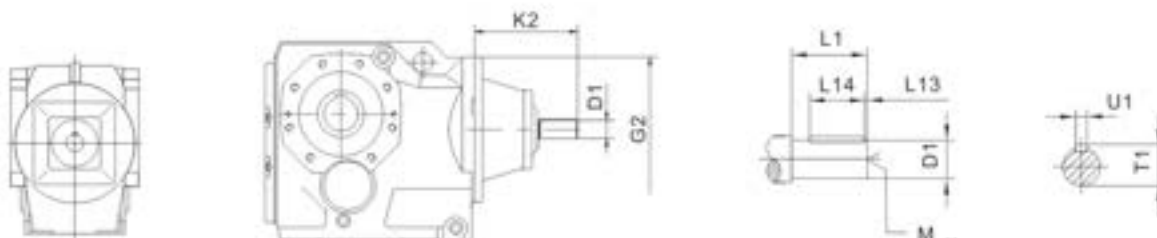
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JRTK189..

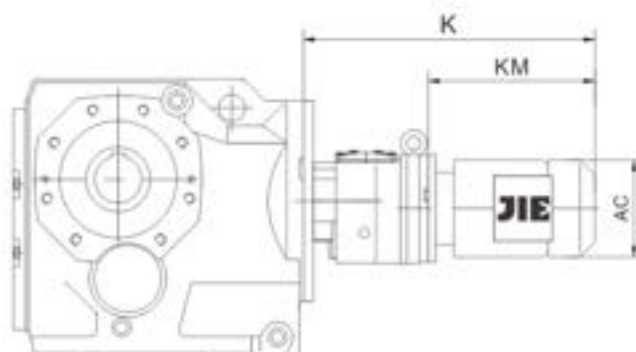


JRTKH189..

JRTK..AD..



		G2	K2	D1	L1	L13	L14	T1	U1	M
JRTK..39	AD1	120	102	16 k6	40	4	32	18	5	M5
	AD2		130	19 k6	40	4	32	21.5	6	M6
JRTK..49 JRTK..59 JRTK..69	AD2	160	123	19 k6	40	4	32	21.5	6	M6
	AD3		159	24 k6	50	5	40	27	8	M8
JRTK..79	AD2	200	116	19 k6	40	4	32	21.5	6	M6
	AD3		151	24 k6	50	5	40	27	8	M8
	AD4		224	38 k6	80	5	70	41	10	M12
JRTK..89	AD2	250	111	19 k6	40	4	32	21.5	6	M6
	AD3		156	28 k6	60	5	50	31	8	M10
	AD4		219	38 k6	80	5	70	41	10	M12
	AD5		292	42 k6	110	10	70	45	12	M16
JRTK..99	AD3	300	151	28 k6	60	5	50	31	8	M10
	AD4		214	38 k6	80	5	70	41	10	M12
	AD5		287	42 k6	110	10	70	45	12	M16
	AD6		327	48 k6	110	10	80	51.5	14	M16
JRTK..109	AD3	350	145	28 k6	60	5	50	31	8	M10
	AD4		208	38 k6	80	5	70	41	10	M12
	AD5		281	42 k6	110	10	70	45	12	M16
	AD6		321	48 k6	110	10	80	51.5	14	M16
JRTK..129	AD4	450	193	38 k6	80	5	70	41	10	M12
	AD5		266	42 k6	110	10	70	45	12	M16
	AD6		306	48 k6	110	10	80	51.5	14	M16
	AD7		300	55 m6	110	10	90	59	16	M20
	AD8		383	70 m6	140	15	110	74.5	20	M20
JRTK..159 JRTK..169 JRTK..189	AD5	550	258	42 k6	110	10	70	45	12	M16
	AD6		298	48 k6	110	10	80	51.5	14	M16
	AD7		292	55 m6	110	10	90	59	16	M20
	AD8		374	70 m6	140	15	110	74.5	20	M20

JRTK..R..

		AC	K	KM
JRTK..39R19	DN63..	120	373	198
	DN71..	135	403	228
	DN80..	156	454	279
JRTK..49R39 JRTK..59R39	DN63..	120	363	198
	DN71..	135	393	228
	DN80..	156	444	279
JRTK..69R39	DN63..	120	363	198
	DN71..	135	393	228
	DN80..	156	444	279
	DN90..	175	516	351
JRTK..79R39	DN63..	120	355	198
	DN71..	135	385	228
	DN80..	156	436	279
	DN90..	175	508	351
JRTK..89R59	DN63..	120	408	192
	DN71..	135	437	221
	DN80..	156	488	272
	DN90..	175	500	284
	DN100..	198	575	359
JRTK..99R59	DN63..	120	403	192
	DN71..	135	432	221
	DN80..	156	483	272
	DN90..	175	495	284
	DN100..	198	570	359
JRTK..109R79	DN112M	221	603	392
	DN63..	120	433	186
	DN71..	135	461	214
	DN80..	156	512	265
	DN90..	175	524	277

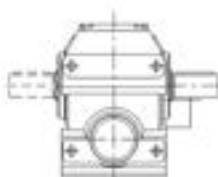
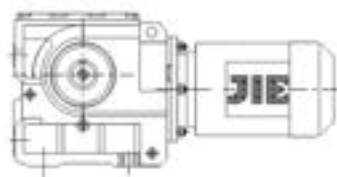
		AC	K	KM
JRTK..109R79	DN100..	198	599	352
	DN112M	221	628	383
	DN132S	221	628	383
	DN132M	263	708	463
	DN160..	314	755	508
JRTK..129R89	DN80..	156	540	260
	DN90..	175	552	272
	DN100..	198	617	347
	DN112M	221	656	378
	DN132S	221	656	378
	DN132M	263	736	458
	DN160..	314	783	503
K..159R99 K169R99 KH169R99 K189R99 KH189R99	DN90..	175	592	267
	DN100..	198	667	342
	DN112M	221	696	373
	DN132S	221	696	373
	DN132M	263	776	453
	DN160..	314	823	498
	DN180M	355	944	119
K..159R109 K169R109 KH169R109 K189R109 KH189R109	DN180L	355	992	667
	DN90L	175	702	320
	DN100..	198	718	336
	DN112M	221	747	367
	DN132S	221	747	367
	DN132M	263	827	447
	DN160..	314	874	492
	DN180M	355	995	613
	DN180L	355	1043	661
	DN200L	397	1056	674

Notes: The dimension of motor in the above table is only for reference. If you have special require, pls consult us.

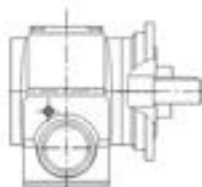
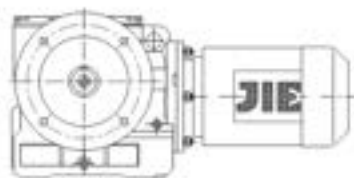
IX. JRTS Helical Worm Gearmotor

1. Mounting Options

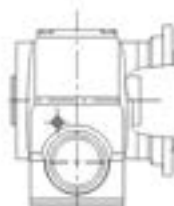
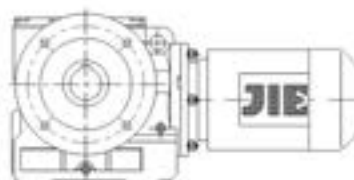
The following types of helical-worm gearmotor can be supplied.



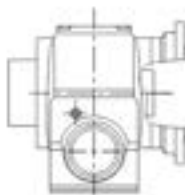
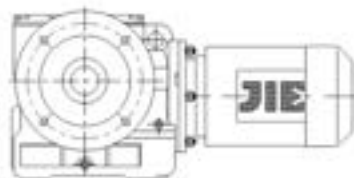
JRTS..D..
Foot-mounted



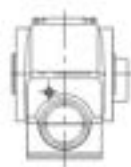
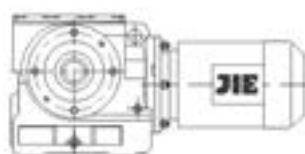
JRTSF..D..
flange-mounted version.



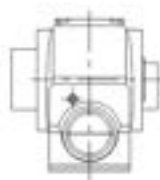
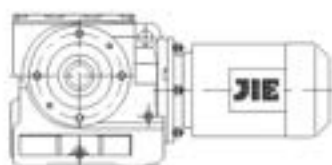
JRTSAF..D..
B5 flange-mounted version with hollow shaft.



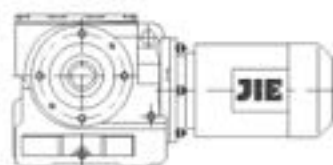
JRTSHF..D..
B5 flange-mounted version with hollow shaft and shrink disk.



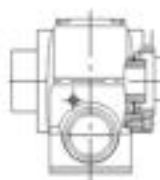
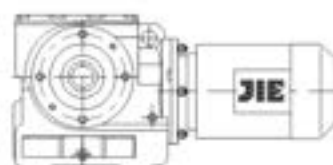
JRTSA..D..
hollow shaft.



JRTSH..D..
hollow shaft and shrink disk.



JRTSAZ..D..
B14 flange-mounted version with hollow shaft.



JRTSHZ..D..
B14 flange-mounted version with hollow shaft and shrink disk.

2. Type of Combination

The below is combination table between gear box and electromotor in each list the ratio range.

Motor power hp Type	Stages	0.18-0.50	0.75-1	1.5-2	3-4	5	7.5	10
JRTS/SF/SA/SAF39	2	6.80-18.24 19.89-51.30 55.93-157.43	6.80-15.53 19.13 22.50-43.68 53.83 63.33-122.94	6.80-13.39 19.13 22.50-37.66 53.83 63.33-106.00				
JRTS/SF/SA/SAF49	2	7.28-17.62 20.33-54.59 63.80-201.00	7.28-17.62 20.33-54.59 67.20 71.75-158.12	7.28-19.54 23.20-47.32 56.61 67.20 71.75-137.05	7.28-14.24 19.54 23.20-38.23 56.61 67.20 71.75-110.73			
JRTS/SF/SA/SAF59	2	7.28-17.62 20.33-54.59 63.80-201.00	7.28-17.62 20.33-54.59 67.20 71.75-158.12	7.28-19.54 23.20-47.32 56.61 67.20 71.75-137.05	7.28-14.24 19.54 23.20-38.23 56.61 67.20 71.75-110.73			
JRTS/SF/SA/SAF69	2	11.03-17.28 20.37-23.22 24.44 29.63-54.70 62.35-65.63 75.06 85.83-217.41	8.69-17.28 20.37-23.22 24.44-54.70 62.35-65.63 75.06 85.83-217.41	7.56-17.28 20.37-23.22 24.44-54.70 62.35-65.63 75.06 78.00-190.1	7.56-17.28 20.37 23.33 26.93-54.70 58.80 67.57 78.00-158.45	7.56-20.30 23.33 26.93-46.40 58.80 67.57 78.00-134.40	7.56-13.73 20.30 23.33 26.93-36.85 58.80 67.57 78.00-106.75	7.56-13.73 20.30 23.33 26.93-36.85 58.80 67.57 78.00-106.75
JRTS/SF/SA/SAF79	2	15.28-18.42 20.99 22.89 35.94-53.87 63.03 71.33-75.09 107.83-256.47	12.07-18.42 20.99 22.89 28.41-53.87 63.03 71.33-75.09 85.22-256.47	8.06-18.42 20.99 22.89-75.09 85.22-225.26	8.06-18.42 20.99 22.89-66.67 75.20-189.09	8.06-18.42 20.99 22.89-56.92 66.67 75.20-161.60	8.06-18.97 22.22 25.07-43.33 56.92 66.67 75.20-130.00	8.06-18.97 22.22 25.07-43.33 56.92 66.67 75.20-130.00
JRTS/SF/SA/SAF89	2		17.49-19.70 21.43 25.50 39.10-57.00 64.27-70.43 81.76 91.20 123.48-288.00	12.21-19.70 21.43 25.50-57.00 64.27-70.43 81.76-288.00	9.07-19.70 21.43 25.50-57.00 64.27-86.15 86.15 99.26-258.18	9.07-19.70 21.43 25.50-57.00 64.27-77.14 86.15 99.26-222.40	7.88-19.70 21.43 25.50-64.00 77.14 86.15 99.26-180.00	
JRTS/SF/SA/SAF99	2		23.59 26.39 49.87-60.59 71.43 80.85 161.74-286.40	17.05-23.59 26.39 36.05-60.59 71.43 80.85 116.92-286.40	13.07-23.59 26.39 32.60-60.59 71.43 80.85-286.40	13.07-23.59 26.39 32.60-60.59 71.43 80.85-286.40	8.26-23.59 26.39 32.60-78.26 89.60-231.67	8.26-23.59 26.39 32.60-78.26 89.60-231.67
Motor power hp Type	Stages	12.3	15	20	25-30			
JRTS/SF/SA/SAF79	2	8.06-13.76 18.97 22.22 25.07-32.38 56.92 66.67 75.20-97.14	8.06-13.76 18.97 22.22 25.07-32.38 56.92 66.67 75.20-97.14					
JRTS/SF/SA/SAF89	2	7.88-20.27 24.43 27.28-44.03 64.00 77.14 86.15 99.26-139.05	7.88-20.27 24.43 27.28-44.03 64.00 77.14 86.15 99.26-139.05	7.88-20.27 24.43 27.28-44.03 64.00 77.14 86.15 99.26-139.05	7.88-15.64 20.27 24.43 27.28-34.96 64.00 77.14 86.15 99.26-110.40			
JRTS/SF/SA/SAF99	2	8.26-23.59 26.39 32.60-55.79 65.45 78.26 89.60-180.95	8.26-23.59 26.39 32.60-55.79 65.45 78.26 89.60-180.95	8.26-23.59 26.39 32.60-55.79 65.45 78.26 89.60-180.95	8.26-21.23 24.13 27.63-44.89 65.45 78.26 89.60-145.60			

3. Ratio and max nominal torque

JRTS39-59 $n_g=1700$ r/min

JRTS39 810lbf · in				
i	n_g [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
157.43	11	800	675	AD ₁
144.40	12	795	675	
122.94	14	765	675	
106.00	16	760	675	
98.80	17	750	675	
86.36	20	725	675	
80.96	21	725	675	
71.44	24	705	675	
63.33	27	695	675	
55.93	30	715	675	
53.83	32	670	675	AD ₂
51.30	33	705	675	AD ₁
43.68	39	690	675	
37.66	45	670	645	
35.10	48	660	630	
30.68	55	645	600	
28.76	59	645	580	
25.38	67	625	555	
22.50	76	615	530	
19.89	85	440	515	
19.13	89	600	495	AD ₂
18.24	93	430	500	AD ₁
15.53	109	420	470	AD ₂
13.39	127	415	440	
12.48	136	405	430	
10.91	156	395	410	
10.23	166	395	395	
9.02	188	380	380	
8.00	212	380	360	
6.80	250	360	340	

JRTS49 1500lbf · in				
i	n_g [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
201.00	8.5	1500	1200	AD ₁
184.80	9.2	1480	1200	
158.12	11	1480	1200	
137.05	12	1470	1200	
128.10	13	1470	1200	
110.73	15	1470	1200	
94.08	18	1470	1200	
84.00	20	1470	1200	
71.75	24	1470	1200	
69.39	24	1370	1180	
67.20	25	1450	1190	AD ₂
63.80	27	1370	1140	
56.61	30	1340	1120	
54.59	31	1370	1070	
47.32	36	1370	1000	
44.22	38	1370	970	
38.23	44	1370	910	
32.48	52	1370	850	
29.00	59	1360	810	
24.77	69	1280	770	
23.20	73	1250	755	AD ₂
20.33	84	970	690	
19.54	87	1080	735	
17.62	96	960	650	
16.47	103	960	630	
14.24	119	960	585	
12.10	140	960	540	
10.80	157	950	510	
9.23	184	920	480	
8.64	197	880	475	
7.28	234	760	475	

JRTS59 2610lbf · in				
i	n_g [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
201.00	8.5	2610	1600	AD ₂
184.80	9.2	2610	1600	
158.12	11	2610	1600	
137.05	12	2610	1600	
128.10	13	2610	1600	
110.73	15	2610	1600	
94.08	18	2650	1590	
84.00	20	2520	1620	
71.75	24	2430	1640	
69.39	24	2160	1690	
67.20	25	2300	1670	AD ₂
63.80	27	2160	1690	
56.61	30	1990	1720	
54.59	31	2160	1690	
47.32	36	2160	1660	
44.22	38	2160	1610	
38.23	44	2160	1520	
32.48	52	2160	1420	
29.00	59	2160	1350	
24.77	69	1940	1300	
23.20	73	1850	1280	AD ₂
20.33	84	1480	1180	
19.54	87	1610	1240	
17.62	96	1480	1100	
16.47	103	1480	1070	
14.24	119	1490	1000	
12.10	140	1490	930	
10.80	157	1490	880	
9.23	184	1310	860	
8.64	197	1240	850	
7.28	234	1070	830	



JRTS69-89 $n_g = 1700 \text{ r/min}$

JRTS69 4600lbf · in				
i	n_s [r/min]	M_{amax} lbf · in	$F_{R\alpha}$ lbf	AD
217.41	7.8	4600	1950	AD ₁
190.11	8.9	4600	1950	
180.60	9.4	4600	1950	
158.45	11	4600	1950	
134.40	13	4600	1950	
121.33	14	4600	1950	
106.75	16	4600	1950	
100.80	17	4600	1950	
85.83	20	4600	1950	
78.00	22	4510	1970	
75.06	23	4240	2030	AD ₂
67.57	25	4370	2000	
65.63	26	4240	1940	
62.35	27	4240	1890	
58.80	29	4070	1950	
54.70	31	4240	1790	
46.40	37	4240	1660	
41.89	41	4240	1580	
36.85	46	4240	1490	
34.80	49	4240	1450	
29.63	57	4240	1340	AD ₃
26.93	63	4020	1310	
24.44	70	3000	1230	
23.33	73	3580	1290	
23.22	73	3000	1200	
20.37	83	3000	1120	
20.30	84	3180	1270	
17.28	98	3000	1030	
15.60	109	3000	960	
13.73	124	3000	840	
12.96	131	3000	795	AD ₄
11.03	154	3000	655	
10.03	169	2780	700	
8.69	196	2470	755	
7.56	225	2210	795	

JRTS79 11200lbf · in				
i	n_s [r/min]	M_{amax} lbf · in	$F_{R\alpha}$ lbf	AD
256.47	6.6	11200	2630	AD ₁
225.26	7.5	11200	2630	
214.00	7.9	11200	2630	
189.09	9.0	10900	2690	
161.60	11	10700	2730	
148.15	11	10600	2770	
130.00	13	10300	2830	
123.20	14	10100	2860	
107.83	16	9820	2930	
97.14	18	9640	2950	
85.22	20	9290	2820	AD ₂
75.20	23	8930	2700	
75.09	23	9730	2430	
71.33	24	9730	2370	
66.67	25	8580	2590	
63.03	27	9730	2220	
56.92	30	8140	2460	
53.87	32	9730	2050	
49.38	34	9730	1960	
43.33	39	9730	1820	
41.07	41	9730	1770	AD ₃
35.94	47	9370	1680	
32.38	53	9200	1610	
28.41	60	8750	1550	
25.07	68	8490	1470	
22.89	74	6230	1050	
22.22	77	8140	1420	
20.99	81	6230	930	
18.97	90	7600	1360	
18.42	92	6280	735	
17.45	97	6280	665	AD ₄
15.28	111	6370	455	
13.76	124	6370	325	
12.07	141	6410	152	
10.65	160	6410	11	
9.44	180	5790	161	
8.06	211	5080	325	

JRTS89 20100lbf · in				
i	n_s [r/min]	M_{amax} lbf · in	$F_{R\alpha}$ lbf	AD
288.00	5.9	20100	6280	AD ₁
258.18	6.6	19900	6290	
222.40	7.6	19500	6310	
202.96	8.4	19300	6320	
180.00	9.4	18800	6340	
151.30	11	18200	6370	
139.05	12	17800	6380	
123.48	14	17300	6410	
110.40	15	16800	6430	
99.26	17	16200	6450	AD ₂
91.20	19	13400	6540	
86.15	20	15600	6470	
81.76	21	14100	6520	
77.14	22	15000	6500	
70.43	24	14100	6520	
64.27	26	14100	6520	
64.00	27	13900	6530	
57.00	30	14100	6520	
47.91	35	14100	6360	AD ₃
44.03	39	14100	6160	
39.10	43	14100	5900	
34.96	49	14100	5660	
31.43	54	14100	5440	
27.28	62	14100	5160	
25.50	67	10900	4870	
24.43	70	14100	4950	
21.43	79	10900	4550	
20.27	84	12500	4760	AD ₄
19.70	86	10900	4400	
17.49	97	10900	4190	
15.64	109	10900	4000	
14.06	121	10900	3830	
12.21	139	10900	3480	
10.93	156	9990	3580	
9.07	187	8400	3530	
7.88	216	7340	3490	



JRTS99,JRTS39R19,JRTS49R19 $n_g=1700$ r/min

JRTS99			35300lbf · in	
i	n_s [r/min]	M_{amax} lbf · in	F_{Ra} lbf	AD
286.40	5.9	35300	7460	AD ₁
262.22	6.5	35300	7460	
231.67	7.3	35000	7480	
196.52	8.7	33900	7530	
180.95	9.4	33300	7560	
161.74	11	32200	7610	
145.60	12	31400	7650	
131.85	13	30400	7700	
116.92	15	29500	7740	
105.71	16	28400	7780	
89.60	19	26700	7850	AD ₂
80.85	21	28900	7760	
78.26	22	25300	7900	
71.43	24	29100	7750	
65.45	26	23400	7960	
60.59	28	29100	7750	
55.79	30	29100	7740	
49.87	34	29100	7410	
44.89	38	29100	7110	
40.65	42	28500	6880	
36.05	47	27500	6650	AD ₃
32.60	52	26300	6480	
27.63	62	24800	6180	
26.39	64	23000	5210	
24.13	70	23600	5960	
23.59	72	23000	4790	
21.23	80	22700	4510	
19.23	88	22100	4370	
17.05	100	21200	4260	
15.42	110	20300	4220	
13.07	130	19200	4080	AD ₄
11.41	149	17600	4170	
9.55	178	14700	4230	
8.26	206	12700	4220	

JRTS39R19		810lbf · in			AD
i	n_g [r/min]	Stage	M_{amax} lbf · in	F_{Ra} lbf	
		S39 R19			
10037	0.17	2 3	810	675	
8654	0.20	2 3	810	675	
8066	0.21	2 3	810	675	
7051	0.24	2 3	810	675	
6079	0.28	2 3	810	675	
5431	0.31	2 3	810	675	
4747	0.36	2 3	810	675	
4155	0.41	2 3	810	675	
3632	0.47	2 3	810	675	
2866	0.59	2 3	810	675	
2471	0.69	2 3	810	675	
2160	0.79	2 3	810	675	
1887	0.90	2 3	810	675	
1665	1.0	2 3	810	675	
1456	1.2	2 3	810	675	
1271	1.3	2 3	810	675	
1121	1.5	2 3	810	675	
994	1.7	2 3	810	675	
869	2.0	2 3	810	675	
774	2.2	2 2	810	675	
666	2.6	2 2	810	675	
596	2.9	2 2	810	675	
521	3.3	2 2	810	675	
456	3.7	2 2	810	675	
398	4.3	2 2	810	675	
351	4.8	2 2	810	675	
303	5.6	2 2	810	675	
265	6.4	2 2	810	675	
232	7.3	2 2	810	675	
202	8.4	2 2	810	675	
179	9.5	2 2	810	675	
158	11	2 2	810	675	
144	12	2 2	810	675	
118	14	2 2	810	675	
110	15	2 2	810	675	

JRTS49R19		1630lbf · in			AD
i	n_g [r/min]	Stage	M_{amax} lbf · in	F_{Ra} lbf	
		S49 R19			
12909	0.13	2 3	1630	1180	
11189	0.15	2 3	1630	1180	
10374	0.16	2 3	1630	1180	
8992	0.19	2 3	1630	1180	
7860	0.22	2 3	1630	1180	
6887	0.25	2 3	1630	1180	
6055	0.28	2 3	1630	1180	
5292	0.32	2 3	1630	1180	
4637	0.37	2 3	1630	1180	
4092	0.42	2 3	1630	1180	
3582	0.47	2 3	1630	1170	
3131	0.54	2 3	1630	1170	
2714	0.63	2 3	1630	1170	
2412	0.70	2 3	1630	1170	
2131	0.80	2 3	1630	1170	
1883	0.91	2 3	1630	1170	
1663	1.0	2 3	1630	1170	
1435	1.2	2 3	1630	1170	
1254	1.4	2 3	1630	1170	
1120	1.5	2 3	1630	1170	
1083	1.6	2 3	1630	1170	
956	1.8	2 3	1630	1170	
965	1.8	2 3	1610	1170	
865	2.0	2 2	1630	1170	
750	2.3	2 2	1630	1170	
655	2.6	2 2	1630	1170	
574	3.0	2 2	1630	1170	
506	3.4	2 2	1630	1170	
438	3.9	2 2	1630	1170	
388	4.4	2 2	1630	1170	
336	5.1	2 2	1630	1170	
294	5.8	2 2	1630	1170	
257	6.6	2 2	1630	1170	
229	7.4	2 2	1630	1170	
200	8.5	2 2	1630	1170	
187	9.1	2 2	1630	1170	
165	10	2 2	1630	1170	
148	11	2 2	1630	1170	
131	13	2 2	1630	1170	



JRTS59R19, JRTS69/79R39 $n_g = 1700 \text{ r/min}$

JRTS59R19		2910lbf · in				
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf	
		S59	R19			
12909	0.13	2	3	2910	1530	
11189	0.15	2	3	2910	1530	
10374	0.16	2	3	2910	1530	
8992	0.19	2	3	2910	1530	
7860	0.22	2	3	2910	1530	
6887	0.25	2	3	2910	1530	
6055	0.28	2	3	2910	1530	
5292	0.32	2	3	2910	1530	
4637	0.37	2	3	2910	1530	
4092	0.42	2	3	2910	1530	
3628	0.47	2	3	2910	1530	
3131	0.54	2	3	2650	1590	
2714	0.63	2	3	2650	1590	
2412	0.70	2	3	2650	1590	
2131	0.80	2	3	2650	1590	
1863	0.91	2	3	2650	1590	
1663	1.0	2	3	2650	1590	
1435	1.2	2	3	2650	1590	
1254	1.4	2	3	2650	1590	
1083	1.6	2	3	2650	1590	
965	1.8	2	2	2650	1590	
865	2.0	2	2	2650	1590	
750	2.3	2	2	2650	1590	
655	2.6	2	2	2650	1590	
574	3.0	2	2	2650	1590	
506	3.4	2	2	2650	1590	
438	3.9	2	2	2650	1590	
388	4.4	2	2	2650	1590	
336	5.1	2	2	2650	1590	
294	5.8	2	2	2650	1590	
269	6.3	2	2	2650	1590	
229	7.4	2	2	2650	1590	
204	8.3	2	2	2650	1590	
187	9.1	2	2	2650	1590	
165	10	2	2	2650	1590	
131	13	2	2	2650	1590	

JRTS69R39		5040lbf · in				
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf	
		S69	R39			
21362	0.08	2	3	5040	1840	
19594	0.09	2	3	5040	1840	
18120	0.09	2	3	5040	1840	
16682	0.10	2	3	5040	1840	
14383	0.12	2	3	5040	1840	
12774	0.13	2	3	5040	1840	
11013	0.15	2	3	5040	1840	
9694	0.18	2	3	5040	1840	
8529	0.20	2	3	5040	1840	
7455	0.23	2	3	5040	1840	
6531	0.26	2	3	5040	1840	
5759	0.30	2	3	5040	1840	
4965	0.34	2	3	5040	1840	
4410	0.39	2	3	5040	1840	
3880	0.44	2	3	5040	1840	
3432	0.50	2	3	5040	1840	
2944	0.58	2	3	5040	1840	
2630	0.65	2	3	5040	1840	
2279	0.75	2	3	5040	1840	
2014	0.84	2	3	5040	1840	
1772	0.96	2	3	5040	1840	
1559	1.1	2	3	5040	1840	
1363	1.2	2	3	5040	1840	
1194	1.4	2	3	5040	1840	
1045	1.6	2	3	5040	1840	
914	1.9	2	3	5040	1840	
809	2.1	2	2	5040	1840	
712	2.4	2	2	5040	1840	
615	2.8	2	2	5040	1840	
543	3.1	2	2	5040	1840	
469	3.6	2	2	5040	1840	
424	4.0	2	2	5040	1840	
365	4.7	2	2	5040	1840	
319	5.3	2	2	5040	1840	
281	6.0	2	2	5040	1840	
246	6.9	2	2	5040	1840	
221	7.7	2	2	5040	1840	
198	8.6	2	2	5040	1840	
168	10	2	2	5040	1840	
156	11	2	2	5040	1840	

JRTS79R39		11200lbf · in				
i	n_g [r/min]	Stage		M_{amax} lbf · in	F_{Ra} lbf	
		S79	R39			
25493	0.07	2	3	11200	2630	
21787	0.08	2	3	11200	2630	
19907	0.09	2	3	11200	2630	
17013	0.10	2	3	11200	2630	
14668	0.12	2	3	11200	2630	
13110	0.13	2	3	11200	2630	
11569	0.15	2	3	11200	2630	
9887	0.17	2	3	11200	2630	
8817	0.19	2	3	11200	2630	
7735	0.22	2	3	11200	2630	
6735	0.25	2	3	11200	2630	
5943	0.29	2	3	11200	2630	
5214	0.33	2	3	11200	2630	
4618	0.37	2	3	11200	2630	
3992	0.43	2	3	11200	2630	
3540	0.48	2	3	11200	2630	
3098	0.55	2	3	11200	2630	
2753	0.62	2	3	10900	2690	
2374	0.72	2	3	10900	2690	
2083	0.82	2	3	10900	2690	
1813	0.94	2	3	10900	2690	
1745	0.97	2	3	10900	2690	
1600	1.1	2	3	10900	2690	
1404	1.2	2	3	10900	2690	
1245	1.4	2	3	10900	2690	
1100	1.5	2	2	10900	2690	
954	1.8	2	2	10900	2690	
837	2.0	2	2	10900	2690	
714	2.4	2	2	10900	2690	
637	2.7	2	2	10900	2690	
574	3.0	2	2	10900	2690	
499	3.4	2	2	10900	2690	
438	3.9	2	2	10900	2690	
389	4.4	2	2	10900	2690	
327	5.2	2	2	10900	2690	
289	5.9	2	2	10900	2690	
250	6.8	2	2	10900	2690	
219	7.8	2	2	10900	2690	



JRTS89/99R59, $n_g=1700$ r/min

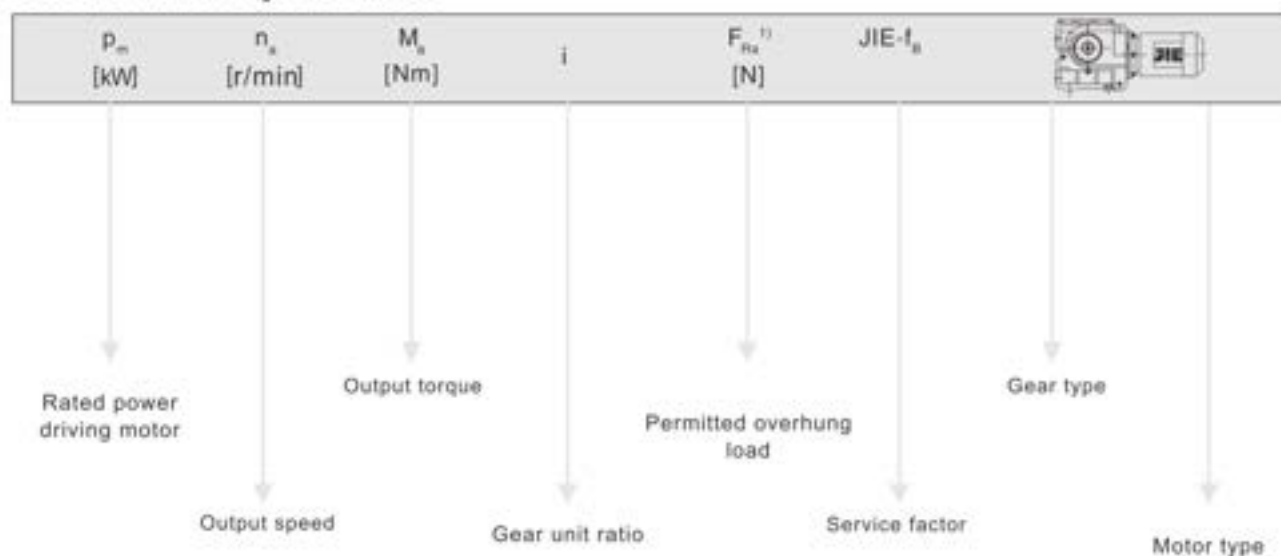
JRTS89R59		22100lbf · in				
i	n_a [r/min]	Stage		M_{amax} lbf · in	F_{R2} lbf	
		S89	R59			
25987	0.07	2	3	22100	6180	
23940	0.07	2	3	22100	6180	
20568	0.08	2	3	22100	6180	
18265	0.09	2	3	22100	6180	
16774	0.10	2	3	22100	6180	
14820	0.11	2	3	22100	6180	
13160	0.13	2	3	22100	6180	
11200	0.15	2	3	22100	6180	
9904	0.17	2	3	22100	6180	
8549	0.20	2	3	22100	6180	
7643	0.22	2	3	22100	6180	
6706	0.25	2	3	22100	6180	
5875	0.29	2	3	22100	6180	
5187	0.33	2	3	22100	6180	
4606	0.37	2	3	22100	6180	
3872	0.44	2	3	22100	6180	
3475	0.49	2	2	22100	6180	
2905	0.59	2	2	22100	6180	
2586	0.66	2	2	22100	6180	
2335	0.73	2	2	22100	6180	
2054	0.83	2	2	22100	6180	
1824	0.93	2	2	22100	6180	
1631	1.0	2	2	22100	6180	
1332	1.3	2	2	22100	6180	
1191	1.4	2	2	22100	6180	
1032	1.6	2	2	22100	6180	
930	1.8	2	2	22100	6180	
831	2.0	2	2	22100	6180	
719	2.4	2	2	22100	6180	
624	2.7	2	2	22100	6180	
558	3.0	2	2	22100	6180	
485	3.5	2	2	22100	6180	
435	3.9	2	2	21600	6200	
378	4.5	2	2	21600	6200	
323	5.3	2	2	21200	6230	
281	6.0	2	2	21200	6230	
255	6.7	2	2	17500	6390	
222	7.7	2	2	17500	6390	
205	8.3	2	2	17500	6390	

JRTS99R59		37100lbf · in				
i	n_a [r/min]	Stage		M_{amax} lbf · in	F_{R2} lbf	
		S99	R59			
33818	0.05	2	3	37100	7360	
31154	0.05	2	3	37100	7360	
27641	0.06	2	3	37100	7360	
24641	0.07	2	3	37100	7360	
21537	0.08	2	3	37100	7360	
18749	0.09	2	3	37100	7360	
16233	0.10	2	3	37100	7360	
14576	0.12	2	3	37100	7360	
12752	0.13	2	3	37100	7360	
11267	0.15	2	3	37100	7360	
10078	0.17	2	3	37100	7360	
8608	0.20	2	3	37100	7360	
7554	0.23	2	3	37100	7360	
6640	0.26	2	3	37100	7030	
5780	0.29	2	3	37100	7030	
4937	0.34	2	3	37100	7030	
4444	0.38	2	3	37100	7030	
4017	0.42	2	3	37100	7030	
3453	0.49	2	3	37100	7030	
3108	0.55	2	3	37100	7030	
2654	0.64	2	3	37100	7030	
2329	0.73	2	3	37100	7030	
2081	0.82	2	3	37100	7030	
1860	0.91	2	3	37100	7030	
1574	1.1	2	3	37100	7030	
1394	1.2	2	2	37100	7030	
1223	1.4	2	2	37100	7030	
1070	1.6	2	2	37100	7030	
928	1.8	2	2	37100	7030	
824	2.1	2	2	37100	7030	
714	2.4	2	2	37100	7360	
626	2.7	2	2	37100	7050	
538	3.2	2	2	37100	7050	
484	3.5	2	2	37100	7060	
420	4.0	2	2	37100	7070	
376	4.5	2	2	37100	7070	
327	5.2	2	2	37100	7080	
287	5.9	2	2	37100	7090	
252	6.7	2	2	37100	7100	
219	7.8	2	2	37100	7100	
205	8.3	2	2	37100	7110	

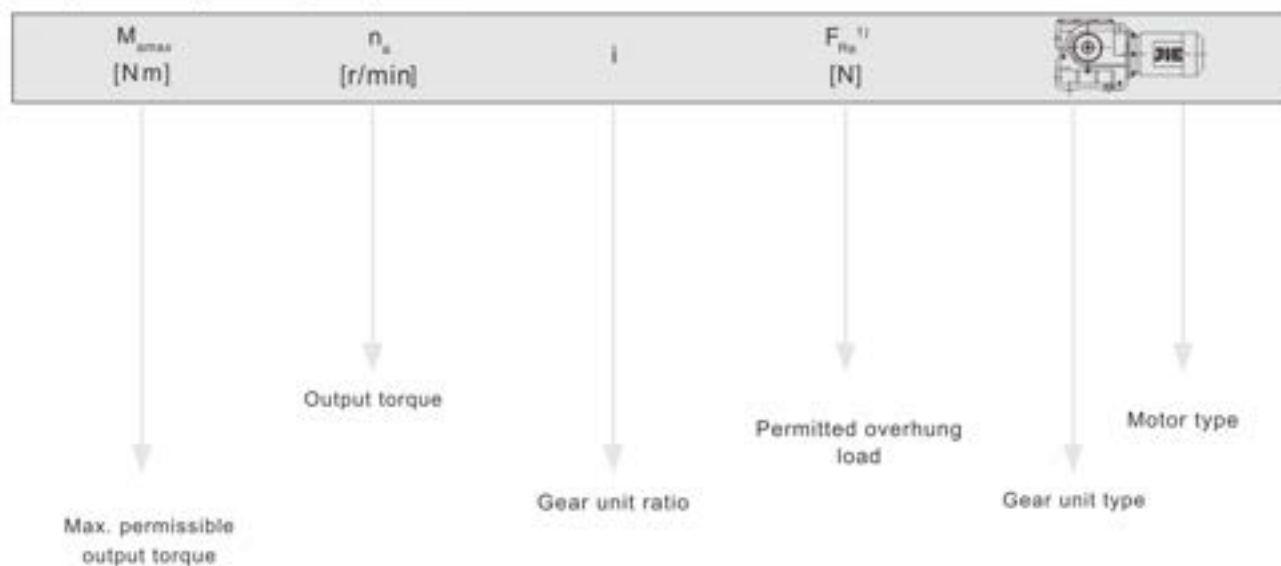


4. Selection Table

Selection table for geared motors



For particularly low output speeds



Cutline

★EE motor is optional.

1)Overhung load specified for foot-mounted gear unit with solid shaft

Notice:

In drives for particularly low output speeds(multi-stage geared motors),the motor power must be limited according to the maximum permitted output torque of the gear unit.

Output speed n_a [r/min]	Output torque T_a lbf · in	Ratio i	Permitted overhung load $F_{a,1}$ lbf	Service factor f_s	Model
0.16HP					
0.15	32800	11267	7590	1.15	JRTS99R59DN63S4
0.17	30300	10078	7700	1.20	JRTSF99R59DN63S4
0.20	24800	8608	7920	1.50	JRTSA99R59DN63S4
0.22	22000	7554	8010	1.70	JRTSAF99R59DN63S4
0.25	18400	6706	6360	1.20	JRTS89R59DN63S4 JRTSF89R59DN63S4 JRTSA89R59DN63S4 JRTSAF89R59DN63S4
0.29	16500	5875	6440	1.35	
0.32	13400	5187	6550	1.65	
0.36	11900	4606	6590	1.85	
0.43	9860	3872	6650	2.2	JRTS79R39DN63S4 JRTSF79R39DN63S4 JRTSA79R39DN63S4 JRTSAF79R39DN63S4
0.47	9490	3540	2990	1.20	
0.54	8300	3098	3190	1.35	
0.71	9330	2374	3020	1.20	
0.81	8190	2083	3200	1.35	
0.93	6890	1813	3370	1.60	
0.96	6510	1745	3410	1.70	
1.1	5970	1600	3470	1.85	
1.2	5240	1404	3540	2.1	JRTS69R39DN63S4 JRTSF69R39DN63S4 JRTSA69R39DN63S4 JRTSAF69R39DN63S4
1.4	4560	1245	3590	2.4	
1.4	4080	1194	2060	1.25	
1.6	3730	1045	2120	1.35	
1.8	3200	914	2200	1.55	JRTS69R39DN63S4 JRTSF69R39DN63S4 JRTSA69R39DN63S4 JRTSAF69R39DN63S4
2.1	2940	809	2240	1.70	
2.4	2590	712	2280	1.95	
2.7	2120	615	2330	2.4	
3.1	1920	543	2350	2.6	
3.6	1550	469	2370	3.2	
4.0	1410	424	2380	3.6	
4.6	1320	365	2390	3.8	JRTS59R19DN63S4 JRTSF59R19DN63S4 JRTSA59R19DN63S4 JRTSAF59R19DN63S4
2.6	2300	655	1660	1.15	
2.9	2000	574	1720	1.30	
3.3	1740	506	1750	1.50	
3.8	1500	438	1780	1.75	
4.3	1310	388	1800	2.0	
5.0	1190	336	1820	2.2	
5.7	1010	294	1830	2.6	
6.2	990	269	1830	2.7	JRTS49R19DN63S4 JRTSF49R19DN63S4 JRTSA49R19DN63S4 JRTSAF49R19DN63S4
3.8	1500	438	1190	1.10	
4.3	1310	388	1210	1.25	
5.0	1180	336	1230	1.40	
5.7	1000	294	1250	1.65	
6.5	890	257	1290	2.4	
7.3	830	229	1270	1.95	
8.4	725	200	1280	2.2	
9.0	680	187	1290	2.4	JRTS39R19DN63S4 JRTSF39R19DN63S4 JRTSA39R19DN63S4 JRTSAF39R19DN63S4
8.3	730	202	675	1.10	
9.4	650	179	675	1.25	
11	580	158	675	1.40	
12	535	144	675	1.50	
14	435	118	675	1.85	
15	405	110	675	2.0	
5.5	1050	201.00	1830	2.5	JRTS59DN63M6 JRTSF59DN63M6 JRTSA59DN63M6 JRTSAF59DN63M6
6.0	980	184.80	1830	2.6	
7.0	850	158.12	1840	3.0	
8.0	755	137.02	1850	3.5	

Output speed n_a [r/min]	Output torque T_a lbf • in	Ratio i	Permitted overhung load $F_{a,1}$ lbf	Service factor f_s	Model	
0.16HP						
5.5	1020	201.00	1260	1.50	JRTS49DN63M6 JRTSF49DN63M6 JRTSA49DN63M6 JRTSAF49DN63M6	
6.0	940	184.80	1260	1.60		
7.0	820	158.12	1280	1.85		
8.0	730	137.05	1290	2.1		
8.6	690	128.10	1290	2.2		
8.4	705	201.00	201.00	2.1	JRTS49DN63S4 JRTSF49DN63S4 JRTSA49DN63S4 JRTSAF49DN63S4	
9.1	655	184.80	184.80	2.3		
11	570	158.12	158.12	2.6		
12	505	137.05	137.05	2.9		
13	475	128.10	128.10	3.1		
15	415	110.73	110.73	3.5		
7.6	730	144.40	144.40	1.10		JRTS39DN63M6 JRTSF39DN63M6 JRTSA39DN63M6 JRTSAF39DN63M6
8.9	635	122.94	122.94	1.30		
10	560	106.00	106.00	1.45		
11	525	98.80	98.80	1.55		
13	465	86.36	86.36	1.70		
11	545	157.43	157.43	1.45	JRTS39DN63S4 JRTSF39DN63S4 JRTSA39DN63S4 JRTSAF39DN63S4	
12	505	144.40	144.40	1.55		
14	440	122.94	122.94	1.75		
16	385	106.00	106.00	1.95		
17	360	98.80	98.80	2.1		
19	320	86.36	86.36	2.2		
21	305	80.96	80.96	2.4		
24	270	71.44	71.44	2.6		
27	245	63.33	63.33	2.8		
30	255	55.93	55.93	2.8		
33	235	51.30	51.30	3.0		
38	205	43.68	43.68	3.4		
45	180	37.66	37.66	3.8		
48	168	35.10	35.10	4.0		
55	148	30.68	30.68	4.4		
58	139	28.76	28.76	4.6		
66	124	25.38	25.38	5.1		
75	111	22.50	22.50	5.6		
84	104	19.89	19.89	4.2		
92	96	18.24	18.24	4.5		
108	82	15.53	15.53	5.2		
0.25HP						
0.37	20500	4606	6260	1.10		JRTS89R59DN63M4 JRTSF89R59DN63M4 JRTSA89R59DN63M4 JRTSAF89R59DN63M4
0.44	17100	3872	6420	1.30		
0.49	16800	3475	6430	1.30		
0.59	14100	2905	6520	1.55		
0.66	12100	2586	6590	1.85	JRTS89R59DN63M4 JRTSF89R59DN63M4 JRTSA89R59DN63M4 JRTSAF89R59DN63M4	
0.73	10700	2335	6630	2.0		
0.83	9270	2054	6660	2.4		
0.93	8240	1824	6680	2.7		
1.0	7430	1631	6700	3.0		
1.2	6640	3140	3140	1.25		JRTS79R39DN63M4 JRTSF79R39DN63M4 JRTSA79R39DN63M4 JRTSAF79R39DN63M4
1.4	7570	3290	3290	1.45		





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H, N}$ [lbf]	Service factor f_s	Model
0.25HP					
1.6	7140	1100	3340	1.55	
1.8	6130	954	3450	1.80	JRTS79R39DN63M4
2.0	5380	837	3520	2.0	JRTSF79R39DN63M4
2.4	4440	714	3600	2.5	JRTSA79R39DN63M4
2.7	3920	637	3600	2.8	JRTSAF79R39DN63M4
3.0	3570	574	3600	3.1	
2.4	4190	712	2040	1.20	
2.8	3510	615	2160	1.45	JRTS69R39DN63M4
3.1	3140	543	2210	1.60	JRTSF69R39DN63M4
3.6	2610	469	2280	1.95	JRTSA69R39DN63M4
4.0	2370	424	2300	2.1	JRTSAF69R39DN63M4
4.7	2160	365	2330	2.3	
3.9	2460	438	1630	1.05	
4.4	2170	388	1690	1.20	
5.1	1940	336	1730	1.35	JRTS59R19DN63M4
5.8	1680	294	1760	1.60	JRTSF59R19DN63M4
6.3	1590	269	1770	1.65	JRTSA59R19DN63M4
7.4	1370	229	1800	1.95	JRTSAF59R19DN63M4
8.3	1230	204	1810	2.1	
9.1	1120	187	1820	2.4	
5.8	1650	294	1160	1.00	
6.6	1150	257	1240	1.40	
7.4	1350	229	1210	1.20	
8.5	1180	200	1230	1.40	JRTS49R19DN63M4
9.1	1100	187	1240	1.50	JRTSF49R19DN63M4
10	970	165	1250	1.65	JRTSA49R19DN63M4
12	880	148	1270	1.85	JRTSAF49R19DN63M4
13	775	131	1280	2.1	
4.9	1930	271.41	2340	2.5	JRTS69DN71S6
5.6	1710	190.11	2360	2.9	JRTSF69DN71S6
5.9	1640	180.60	2370	3.0	JRTSA69DN71S6
5.9	1640	180.60	2370	3.0	JRTSAF69DN71S6
8.5	1130	201.00	1820	2.3	JRTS59DN63M4
9.2	1050	184.80	1830	2.5	JRTSF59DN63M4
11	910	158.12	1840	2.9	JRTSA59DN63M4
12	800	137.05	1850	3.2	JRTSAF59DN63M4
5.3	1690	201.00	1760	1.55	JRTS59DN71S6
5.8	1570	184.80	1780	1.65	JRTSF59DN71S6
6.8	1370	158.12	1800	1.90	JRTSA59DN71S6
7.8	1210	137.05	1810	2.1	JRTSAF59DN71S6
8.5	1090	201.00	1250	1.40	
9.2	1010	184.80	1260	1.45	
11	880	158.12	1270	1.70	
12	780	137.05	1280	1.90	JRTS49DN63M4
13	735	128.10	1290	2.0	JRTSF49DN63M4
15	645	110.73	1290	2.3	JRTSA49DN63M4
18	560	94.08	1300	2.6	JRTSAF49DN63M4
20	505	84.00	1310	2.9	
24	440	71.75	1310	3.4	
24	500	69.39	1300	2.7	
5.8	1520	184.80	1200	1.00	JRTS49DN71S6
6.8	1320	158.12	1220	1.15	JRTSF49DN71S6
7.8	1170	137.05	1240	1.30	JRTSA49DN71S6
8.3	1100	128.10	1250	1.35	JRTSAF49DN71S6

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H, N}$ [lbf]	Service factor f_s	Model
0.25HP					
12	785	144.40	675	1.00	
14	680	122.94	675	1.15	
16	595	106.00	675	1.25	
17	560	98.80	675	1.35	
20	500	86.36	675	1.45	
21	470	80.96	675	1.55	
24	420	71.44	675	1.65	
27	380	63.33	675	1.85	
30	400	55.93	675	1.80	
33	370	51.30	675	1.90	
39	315	43.68	675	2.2	JRTS39DN63M4
45	275	37.66	675	2.4	JRTSF39DN63M4
48	260	35.10	675	2.5	JRTSA39DN63M4
55	225	30.68	675	2.8	JRTSAF39DN63M4
59	215	28.76	675	3.0	
67	192	25.38	675	3.3	
76	171	22.50	670	3.6	
85	161	19.89	630	2.7	
93	148	18.24	615	2.9	
109	127	15.53	590	3.3	
127	110	13.39	565	3.8	
136	103	12.48	555	4.0	
156	90	10.91	535	4.4	
166	85	10.23	525	4.7	
0.33HP					
0.59	19100	2905	6330	1.15	
0.66	16500	2586	6440	1.35	
0.73	14700	2335	6500	1.50	JRTS89R59DN71S4
0.83	12800	2054	6570	1.75	JRTSF89R59DN71S4
0.93	11300	1824	6610	1.95	JRTSA89R59DN71S4
1.0	10200	1631	6640	2.1	JRTSAF89R59DN71S4
1.8	6100	930	6720	3.6	
1.8	8250	954	3190	1.35	
2.0	7240	837	3330	1.50	
2.4	6030	714	3460	1.80	JRTS79R39DN71S4
2.7	5340	637	3530	2.0	JRTSF79R39DN71S4
3.0	4850	574	3570	2.3	JRTSA79R39DN71S4
3.4	4130	499	3600	2.6	JRTSAF79R39DN71S4
3.1	4250	543	2020	1.20	
3.6	3580	469	2150	1.40	
4.0	3250	424	2200	1.55	JRTS69R39DN71S4
4.7	2920	365	2240	1.70	JRTSF69R39DN71S4
5.3	2520	319	2290	2.0	JRTSA69R39DN71S4
6.1	2200	281	2320	2.3	JRTSAF69R39DN71S4
5.8	2280	294	1670	1.15	
6.3	2150	269	1690	1.25	
7.4	1840	229	1740	1.45	JRTS59R19DN71S4
8.3	1660	204	1770	1.60	JRTSF59R19DN71S4
9.1	1520	187	1780	1.75	JRTSA59R19DN71S4
10	1340	165	1800	1.95	JRTSAF59R19DN71S4
13	1070	131	1830	2.5	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
0.33HP					
5.1	2490	217.41	2290	1.95	JRTS69DN71M6
5.8	2210	190.11	2320	2.2	JRTSF69DN71M6
6.1	2110	180.60	2330	2.3	JRTSA69DN71M6
6.9	1880	158.45	2350	2.6	JRTSAF69DN71M6
7.8	1690	217.41	2360	2.7	JRTS69DN71S4 JRTSF69DN71S4 JRTSA69DN71S4 JRTSAF69DN71S4
8.9	1500	190.11	2380	3.0	
9.4	1440	180.60	2380	3.2	
11	1280	158.45	2390	3.6	
13	1100	134.40	2400	4.2	
14	1000	121.33	2400	4.6	
16	890	106.75	2400	5.1	
5.5	2180	201.00	1690	1.20	JRTS59DN71M6 JRTSF59DN71M6 JRTSA59DN71M6 JRTSAF59DN71M6
6.0	2020	184.80	1710	1.30	
7.0	1770	158.12	1750	1.45	
8.0	1560	137.05	1780	1.65	
8.6	1470	128.10	1790	1.75	
8.5	1490	201.00	1790	1.75	JRTS59DN71S4 JRTSF59DN71S4 JRTSA59DN71S4 JRTSAF59DN71S4
9.2	1380	184.80	1800	1.90	
11	1210	158.12	1810	2.2	
12	1060	137.05	1830	2.5	
13	1000	128.10	1830	2.6	
15	880	110.73	1840	3.0	
18	760	94.08	1850	3.5	
20	685	84.00	1850	3.7	
8.5	1440	201.00	1210	1.05	JRTS49DN71S4 JRTSF49DN71S4 JRTSA49DN71S4 JRTSAF49DN71S4
9.2	1340	184.80	1220	1.10	
11	1170	158.12	1240	1.25	
12	1030	137.05	1260	1.45	
13	970	128.10	1260	1.50	
15	850	110.73	1270	1.75	
18	740	94.08	1290	2.0	
20	665	84.00	1290	2.2	
24	580	71.75	1300	2.5	
24	660	69.39	1290	2.1	
25	545	67.20	1300	2.6	
27	610	63.80	1290	2.2	
31	525	54.59	1260	2.6	
36	460	47.32	1210	3.0	
485	39	6.80	375	3.6	JRTS39DN63M2 JRTSF39DN63M2 JRTSA39DN63M2 JRTSAF39DN63M2
521	37	6.33	365	5.8	
613	31	5.38	345	5.6	
678	28	4.86	335	5.6	
832	23	3.97	315	5.3	
17	740	98.80	675	1.00	JRTS39DN71S4 JRTSF39DN71S4 JRTSA39DN71S4 JRTSAF39DN71S4
20	660	86.36	675	1.10	
21	620	80.96	675	1.15	
24	555	71.44	675	1.25	
27	500	63.33	675	1.40	
30	525	55.93	675	1.35	
33	485	51.30	675	1.45	
39	420	43.68	675	1.65	
45	365	37.66	675	1.85	
48	340	35.10	675	1.95	

Output speed n_a [r/min]	Output torque T_a lbf · in	Ratio i	Permitted overhung load $F_{R0.1}$ lbf	Service factor f_s	Model	
0.33HP						
55	300	30.68	675	2.1	JRTS39DN71S4 JRTSF39DN71S4 JRTSA39DN71S4 JRTSAF39DN71S4	
59	280	28.76	675	2.3		
67	250	25.38	675	2.5		
76	225	22.50	650	2.7		
85	210	19.89	610	2.1		
93	196	18.24	600	2.2		
109	168	15.53	575	2.5		
127	145	13.39	550	2.9		
136	136	12.48	540	3.0		
156	119	10.91	520	3.3		
166	112	10.23	510	3.5		
188	99	9.02	495	3.8		
212	88	8.00	480	4.3		
250	75	6.80	455	4.8		
268	71	6.33	445	4.4		
316	60	5.38	425	5.0		
350	55	4.86	410	5.3		
429	45	3.97	385	6.3		
0.50HP						
0.83	20300	2054	6270	1.10	JRTS89R59DN71M4 JRTSF89R59DN71M4 JRTSA89R59DN71M4 JRTSAF89R59DN71M4	
0.93	18000	1824	6380	1.25		
1.0	16200	1631	6450	1.35		
1.8	9710	930	6650	2.3		
2.0	8780	831	6670	2.5		
2.4	9400	714	3010	1.15	JRTS79R39DN71M4 JRTSF79R39DN71M4 JRTSA79R39DN71M4 JRTSAF79R39DN71M4	
2.7	8350	637	3180	1.30		
3.0	7560	574	3290	1.45		
3.4	6500	499	3420	1.70		
3.9	5740	438	3490	1.90		
4.4	5100	389	3550	2.1	JRTS69R39DN71M4 JRTSF69R39DN71M4 JRTSA69R39DN71M4 JRTSAF69R39DN71M4	
4.7	4530	365	1960	1.10		
5.3	3940	319	2080	1.30		
6.1	3460	281	2170	1.45		
6.9	3140	246	2210	1.60		
4.3	4790	256.47	3570	2.3	JRTS79DN80M6 JRTSF79DN80M6 JRTSA79DN80M6 JRTSAF79DN80M6	
4.9	4270	225.26	3600	2.6		
5.1	4070	214.00	3600	2.8		
5.1	3770	217.41	2120	1.30		
5.8	3350	190.11	2180	1.45		
6.1	3200	180.60	2200	1.55	JRTS69DN80M6 JRTSF69DN80M6 JRTSA69DN80M6 JRTSAF69DN80M6	
6.9	2850	158.45	2250	1.70		
7.8	2570	217.41	2280	1.80		
8.9	2280	190.11	2310	2.0		
9.4	2180	180.60	2320	2.1		
11	1940	158.45	2340	2.4	JRTS69DN71M4 JRTSF69DN71M4 JRTSA69DN71M4 JRTSAF69DN71M4	
13	1670	134.40	2360	2.8		
14	1520	121.33	2370	3.0		
8.0	2360	137.05	1650	1.10		JRTS59DN80M6 JRTSF59DN80M6 JRTSA59DN80M6 JRTSAF59DN80M6
8.6	2230	128.10	1680	1.15		
9.9	1960	110.73	1720	1.35		
12	1700	94.08	1760	1.55		
13	1540	84.00	1780	1.70		





Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
0.50HP					
8.5	2260	201.00	1670	1.15	
9.2	2100	184.80	1700	1.25	
11	1830	158.12	1740	1.40	
12	1610	137.05	1770	1.60	
13	1520	128.10	1780	1.70	
15	1330	110.73	1800	1.95	JRTS59DN71M4
18	1150	94.08	1820	2.3	JRTSF59DN71M4
20	1040	84.00	1830	2.4	JRTSA59DN71M4
24	900	71.75	1840	2.7	JRTSAF59DN71M4
24	1010	69.39	1830	2.1	
25	850	67.20	1840	2.7	
27	940	63.80	1840	2.3	
13	1470	128.10	1200	1.00	
15	1290	110.73	1230	1.15	
18	1120	94.08	1250	1.30	
20	1010	84.00	1260	1.45	
24	880	71.75	1270	1.70	
24	1000	69.39	1250	1.35	
25	830	67.20	1280	1.75	
27	920	63.80	1240	1.50	JRTS49DN71M4
31	800	54.59	1200	1.70	JRTSF49DN71M4
36	700	47.32	1160	1.95	JRTSA49DN71M4
38	655	44.22	1140	2.1	JRTSAF49DN71M4
44	570	38.23	1090	2.4	
52	490	32.48	1050	2.8	
59	440	29.00	1020	3.1	
69	380	24.77	970	3.4	
73	355	23.20	960	3.5	
84	330	20.33	890	2.9	
96	290	17.62	860	3.3	
103	270	16.47	840	3.5	
412	70	8.00	385	2.5	
485	60	6.80	365	2.4	JRTS39DN71S2
521	56	6.33	355	3.8	JRTSF39DN71S2
613	48	5.38	340	3.7	JRTSA39DN71S2
678	43	4.86	330	3.7	JRTSAF39DN71S2
832	35	3.97	310	3.5	
39	635	43.68	675	1.10	
45	555	37.66	675	1.20	
48	515	35.10	675	1.30	
55	455	30.68	660	1.40	
59	430	28.76	650	1.50	
67	380	25.38	635	1.65	
76	340	22.50	615	1.80	
85	320	19.89	570	1.35	JRTS39DN71M4
93	295	18.24	560	1.45	JRTSF39DN71M4
109	250	15.53	540	1.65	JRTSA39DN71M4
127	220	13.39	525	1.90	JRTSAF39DN71M4
136	205	12.48	515	2.0	
156	181	10.91	500	2.2	
166	170	10.23	490	2.3	
188	151	9.02	475	2.5	
212	134	8.00	460	2.8	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.5}}$ [lbf]	Service factor f_s	Model
0.50HP					
250	114	6.80	440	3.2	
268	107	6.33	430	2.9	JRTS39DN71M4
316	91	5.38	410	3.3	JRTSF39DN71M4
350	83	4.86	400	3.5	JRTSA39DN71M4
429	68	3.97	380	4.2	JRTSAF39DN71M4
0.75HP					
1.3	20600	1332	6250	1.05	
1.4	18600	1191	6350	1.20	
1.6	16200	1032	6450	1.35	
1.8	15100	930	6490	1.45	JRTS89R59DN80S4
2.0	13600	831	6540	1.60	JRTSF89R59DN80S4
2.4	11800	719	6600	1.85	JRTSA89R59DN80S4
2.7	10300	624	6640	2.1	JRTSAF89R59DN80S4
3.0	9320	558	6660	2.4	
3.9	7450	435	6700	2.9	
3.9	8860	438	3100	1.25	
4.3	7890	389	3250	1.40	JRTS79R39DN80S4
5.2	6660	327	3400	1.65	JRTSF79R39DN80S4
5.8	6050	289	3460	1.80	JRTSA79R39DN80S4
6.8	5220	250	3540	2.1	JRTSAF79R39DN80S4
6.9	4810	246	1900	1.05	JRTS69R39DN80S4
7.7	4280	221	2020	1.20	JRTSF69R39DN80S4
8.6	3920	198	2090	1.30	JRTSA69R39DN80S4
10	3350	168	2180	1.50	JRTSAF69R39DN80S4
3.9	8350	288.00	6680	2.5	JRTS89DN90S6
4.3	7570	258.18	6700	2.8	JRTSF89DN90S6
5.0	6610	222.40	6710	3.1	JRTSA89DN90S6
5.5	6090	202.96	6720	3.4	JRTSAF89DN90S6
4.4	7070	256.47	3350	1.60	
5.0	6300	225.26	3440	1.80	JRTS79DN90S6
5.2	6020	214.00	3470	1.85	JRTSF79DN90S6
5.9	5380	189.09	3520	2.1	JRTSA79DN90S6
6.9	4680	161.60	3580	2.4	JRTSAF79DN90S6
6.6	4890	256.47	3560	2.3	
7.5	4350	225.26	3600	2.6	JRTS79DN80S4
7.9	4160	214.00	3600	2.7	JRTSF79DN80S4
8.9	3710	189.09	3600	3.0	JRTSA79DN80S4
7.8	3880	217.41	2100	1.20	
8.9	3440	190.11	2170	1.35	
9.4	3290	180.60	2190	1.40	
11	2920	158.45	2240	1.55	
13	2520	134.40	2290	1.80	JRTS69DN80S4
14	2300	121.33	2310	2.0	JRTSF69DN80S4
16	2050	106.75	2340	2.2	JRTSA69DN80S4
17	1940	100.80	2340	2.4	JRTSAF69DN80S4
20	1680	85.83	2360	2.7	
23	1700	75.06	2360	2.5	
26	1490	65.63	2370	2.8	
12	2510	94.08	1620	1.05	
13	2270	84.00	1670	1.15	JRTS59DN90S6
16	1970	71.75	1720	1.30	JRTSF59DN90S6
17	1860	67.20	1740	1.40	JRTSA59DN90S6
21	1600	54.59	1750	1.35	JRTSAF59DN90S6

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R_{0.1}}$ [lbf]	Service factor f_s	Model
0.75HP					
24	1570	47.32	1780	1.50	JRTS59DN90S6
25	1480	44.22	1790	1.60	JRTSF59DN90S6
29	1290	38.23	1810	1.85	JRTSA59DN90S6
12	2430	137.05	1640	1.05	JRTS59DN80S4 JRTSF59DN80S4 JRTSA59DN80S4 JRTSAF59DN80S4
13	2290	128.10	1670	1.15	
15	2010	110.73	1710	1.30	
18	1740	94.08	1760	1.50	
20	1570	84.00	1780	1.60	
24	1360	71.75	1800	1.80	
25	1280	67.20	1810	1.80	
31	1220	54.59	1810	1.75	
36	1070	47.32	1830	2.0	
38	1000	44.22	1830	2.1	
44	870	38.23	1760	2.5	
52	750	32.48	1680	2.9	
58	670	29.00	1630	3.2	
68	580	24.77	1560	3.4	
73	545	23.20	1530	3.4	
83	505	20.33	1440	2.9	
24	1320	71.75	1220	1.10	JRTS49DN80S4 JRTSF49DN80S4 JRTSA49DN80S4 JRTSAF49DN80S4
25	1250	67.20	1230	1.15	
31	1200	54.59	1110	1.15	
36	1050	47.32	1080	1.30	
38	990	44.22	1060	1.40	
44	860	38.23	1030	1.60	
52	740	32.48	990	1.85	
58	665	29.00	970	2.0	
68	570	24.77	930	2.2	
73	535	23.20	920	2.3	
83	500	20.33	850	1.95	
96	435	17.62	820	2.2	
103	410	16.47	810	2.4	
119	355	14.24	780	2.7	
140	300	12.10	745	3.2	
156	270	10.80	725	3.5	
183	230	9.23	695	4.0	
59	650	28.76	585	1.00	JRTS39DN80S4 JRTSF39DN80S4 JRTSA39DN80S4 JRTSAF39DN80S4
67	575	25.38	575	1.10	
75	515	22.50	565	1.20	
88	440	19.13	550	1.35	
109	380	15.53	490	1.10	
126	330	13.39	480	1.25	
135	310	12.48	475	1.30	
155	270	10.91	465	1.45	
165	255	10.23	460	1.55	
187	225	9.02	445	1.70	
211	200	8.00	435	1.90	
249	172	6.80	420	2.1	
267	161	6.33	410	1.90	
314	138	5.38	395	2.2	
347	125	4.86	385	2.3	
426	102	3.97	365	2.8	

Output speed n_a [r/min]	Output torque T_a lbf · in	Ratio i	Permitted overhung load $F_{R_{0.1}}$ lbf	Service factor f_s	Model
0.75HP					
428	101	8.00	365	1.75	JRTS39DN71M2 JRTSF39DN71M2 JRTSA39DN71M2 JRTSAF39DN71M2
503	86	6.80	350	1.65	
540	81	6.33	345	2.6	
635	69	5.38	330	2.6	
703	62	4.86	320	2.5	
862	51	3.97	300	2.4	
1.0HP					
1.4	33700	1223	7540	1.10	JRTS99R59DN80M4 JRTSF99R59DN80M4 JRTSA99R59DN80M4 JRTSAF99R59DN80M4
1.6	29600	1070	7730	1.25	
1.9	25400	928	7890	1.45	
2.1	22400	824	7990	1.65	
2.5	18300	714	8160	2.3	
2.8	17100	626	8140	2.2	
3.2	14700	538	8190	2.5	
3.6	13300	484	8220	2.8	
1.7	21300	1032	6220	1.05	JRTS89R59DN80M4 JRTSF89R59DN80M4 JRTSA89R59DN80M4 JRTSAF89R59DN80M4
1.9	19700	930	6300	1.10	
2.1	17800	831	6380	1.25	
2.4	15500	719	6480	1.45	
2.8	13500	624	6550	1.65	
3.1	12200	558	6590	1.80	
3.6	10700	485	6630	2.1	
4.0	9790	435	6650	2.2	
4.6	8580	378	6680	2.5	
5.4	7480	323	6700	2.8	
6.9	6950	255	6710	2.5	
7.9	6090	222	6720	2.9	
4.5	10200	389	2840	1.05	JRTS79R39DN80M4 JRTSF79R39DN80M4 JRTSA79R39DN80M4 JRTSAF79R39DN80M4
5.3	8680	327	3130	1.25	
6.1	7840	289	3250	1.40	
7.0	6790	250	3380	1.60	
8.0	6000	219	3470	1.85	
10	4360	168	2000	1.15	JRTS69R39DN80M4 JRTSF69R39DN80M4 JRTSA69R39DN80M4 JRTSAF69R39DN80M4
11	4080	156	2060	1.25	
4.0	10700	288.00	6630	2.0	JRTS89DN90S6 JRTSF89DN90S6 JRTSA89DN90S6 JRTSAF89DN90S6
4.5	9730	258.18	6650	2.2	
5.2	8500	222.40	6680	2.4	
5.7	7820	202.96	6690	2.6	
6.5	7010	180.00	6710	2.9	
6.1	7430	288.00	6700	2.7	JRTS89DN80M4 JRTSF89DN80M4 JRTSA89DN80M4 JRTSAF89DN80M4
6.8	6720	258.18	6710	3.0	
7.9	5860	222.40	6730	3.3	
8.6	5390	202.96	6730	3.6	
5.2	8100	225.26	3220	4.10	
5.4	7740	214.00	3270	1.45	JRTS79DN90S6 JRTSF79DN90S6 JRTSA79DN90S6 JRTSAF79DN90S6
6.2	6930	189.09	3370	1.60	
7.2	6010	161.60	3470	1.85	
7.9	5560	148.15	3510	2.0	
9.0	4940	130.00	3560	2.3	
9.5	4700	123.20	3580	2.4	
11	4160	107.83	3600	2.6	
12	3780	97.14	3600	2.8	
16	3410	75.09	3600	2.9	
16	3250	71.33	3600	3.0	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H, N}$ [lbf]	Service factor f_s	Model
1.0HP					
6.8	6320	256.47	3440	1.80	
7.8	5620	225.26	3000	2.0	
8.2	5360	214.00	3530	2.1	
9.3	4790	189.09	3570	2.3	JRTS79DN80M4
11	4150	161.60	3600	2.6	JRTSF79DN80M4
12	3830	148.15	3600	2.8	JRTSA79DN80M4
13	3400	130.00	3600	3.0	JRTSAF79DN80M4
14	3240	123.20	3600	3.1	
16	2860	107.83	3600	3.4	
8.7	4690	134.40	1930	1.05	
9.6	4280	121.33	2020	1.15	
11	3820	106.75	2110	1.25	
12	3630	100.80	2140	1.35	
14	3140	85.83	2210	1.55	
15	2880	78.00	2250	1.70	
16	2630	65.63	2250	1.65	
19	2700	62.35	2270	1.70	JRTS69DN90S6
21	2380	54.70	2300	1.95	JRTSF69DN90S6
25	2040	46.40	2310	2.3	JRTSA69DN90S6
28	1850	41.89	2250	2.5	JRTSAF69DN90S6
32	1640	36.85	2180	2.8	
33	1550	34.80	2150	3.0	
48	1170	24.44	1880	2.7	
50	1110	23.22	1860	2.8	
9.2	4440	190.11	1980	1.05	
9.7	4240	180.60	2030	1.10	
11	3780	158.45	2110	1.20	
13	3260	134.40	2200	1.40	
14	2970	121.33	2240	1.55	
16	2640	106.75	2280	1.75	
17	2510	100.80	2290	1.85	JRTS69DN80M4
20	2160	85.83	2320	2.1	JRTSF69DN80M4
22	1980	78.00	2340	2.3	JRTSA69DN80M4
23	2190	75.06	2320	1.95	JRTSAF69DN80M4
27	1930	65.63	2280	2.2	
28	1840	62.35	2250	2.3	
32	1620	54.70	2170	2.6	
38	1390	46.40	2080	3.0	
16	2540	71.75	1620	1.05	
17	2390	67.20	1650	1.10	
21	2050	56.61	1710	1.25	
25	2020	47.32	1710	1.20	
26	1900	44.22	1730	1.25	
30	1650	38.23	1770	1.45	
36	1420	32.48	1790	1.70	JRTS59DN90S6
40	1270	29.00	1750	1.85	JRTSF59DN90S6
47	1100	24.77	1680	2.2	JRTSA59DN90S6
50	1030	23.20	1650	2.3	JRTSAF59DN90S6
60	870	19.54	1580	2.5	
66	830	17.62	1480	1.80	
71	785	16.47	1450	1.90	
82	680	14.24	1400	2.2	
96	580	12.10	1340	2.6	
108	520	10.80	1300	2.9	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{H, N}$ [lbf]	Service factor f_s	Model
1.0HP					
16	2600	110.73	1600	1.00	
19	2240	94.08	1670	1.20	
21	2020	84.00	1710	1.25	
24	1750	71.75	1750	1.40	
26	1650	67.20	1770	1.40	
31	1410	56.61	1790	1.40	
32	1580	54.59	1780	1.35	
37	1380	47.32	1790	1.55	JRTS59DN80M4
40	1290	44.22	1760	1.65	JRTSF59DN80M4
46	1130	38.23	1690	1.90	JRTSA59DN80M4
54	960	32.48	1620	2.2	JRTSAF59DN80M4
60	860	29.00	1570	2.5	
71	745	24.77	1510	2.6	
75	700	23.20	1480	2.6	
86	650	20.33	1380	2.3	
90	595	19.54	1410	2.7	
99	565	17.62	1330	2.6	
106	530	16.47	1310	2.8	
123	460	14.24	1260	3.2	
36	1400	32.48	1000	1.05	
40	1260	29.00	980	1.20	
47	1080	24.77	960	1.35	
50	1020	23.20	940	1.40	
60	870	19.54	910	1.55	
66	830	17.62	820	1.20	
71	780	16.47	820	1.25	
82	680	14.24	800	1.45	JRTS49DN90S6
96	580	12.10	775	1.70	JRTSF49DN90S6
108	520	10.80	760	1.90	JRTSA49DN90S6
126	445	9.23	735	2.2	JRTSAF49DN90S6
135	420	8.64	725	2.3	
160	355	7.28	695	2.7	
170	335	6.83	680	2.5	
182	315	6.40	670	2.6	
216	265	5.39	640	2.9	
37	1360	47.32	990	1.00	
40	1280	44.22	980	1.05	
46	1110	38.23	960	1.25	
54	950	32.48	930	1.45	
60	850	29.00	910	1.60	
71	740	24.77	880	1.75	
75	695	23.20	870	1.80	
86	645	20.33	790	1.50	JRTS49DN80M4
90	585	19.54	840	1.85	JRTSF49DN80M4
99	560	17.62	770	1.70	JRTSA49DN80M4
106	525	16.47	760	1.80	JRTSAF49DN80M4
123	455	14.24	740	2.1	
145	390	12.10	710	2.5	
162	350	10.80	695	2.7	
190	300	9.23	665	3.1	
203	280	8.64	655	3.1	
241	235	7.28	630	3.2	

Output speed n_a [r/min]	Output torque T_a [lbf • in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.0HP					
274	210	6.40	605	3.2	JRTS49DN80M4 JRTSF49DN80M4 JRTSA49DN80M4 JRTSAF49DN80M4
325	179	5.39	575	3.2	
368	159	4.76	560	3.2	
438	134	4.00	530	3.2	
478	122	7.28	520	1.60	JRTS49DN80S2 JRTSF49DN80S2 JRTSA49DN80S2 JRTSAF49DN80S2
509	115	6.83	510	2.6	
543	108	6.40	500	2.5	
645	91	5.39	475	2.3	
730	81	4.76	460	2.2	
869	68	4.00	435	2.1	
146	385	8.00	435	1.10	JRTS39DN90S6 JRTSF39DN90S6 JRTSA39DN90S6 JRTSAF39DN90S6
171	325	6.80	425	1.25	
184	305	6.33	415	1.30	
216	260	5.38	405	1.45	
240	235	4.86	395	1.55	
294	196	3.97	380	1.80	
92	565	19.13	500	1.05	JRTS39DN80M4 JRTSF39DN80M4 JRTSA39DN80M4 JRTSAF39DN80M4
140	400	12.48	435	1.00	
161	350	10.91	425	1.15	
171	325	10.23	425	1.20	
194	290	9.02	415	1.30	
219	255	8.00	405	1.45	
258	220	6.80	395	1.65	
276	205	6.33	385	1.50	
325	177	5.38	375	1.70	
360	161	4.86	365	1.80	
442	131	3.97	350	2.2	
511	113	6.80	340	1.25	JRTS39DN80S2 JRTSF39DN80S2 JRTSA39DN80S2 JRTSAF39DN80S2
549	106	6.33	330	2.0	
646	90	5.38	320	1.95	
715	82	4.86	310	1.95	
877	67	3.97	295	1.85	
1.5HP					
2.1	33900	824	7530	1.10	JRTS99R59DN90S4 JRTSF99R59DN90S4 JRTSA99R59DN90S4 JRTSAF99R59DN90S4
2.5	24700	714	7920	1.50	
2.8	26000	626	7870	1.45	
3.3	22300	538	8000	1.65	
3.6	20100	484	8060	1.85	
4.2	17500	420	8130	2.1	
4.7	15900	376	8170	2.3	
5.4	14000	327	8210	2.6	
2.8	20600	624	6260	1.05	JRTS89R59DN90S4 JRTSF89R59DN90S4 JRTSA89R59DN90S4 JRTSAF89R59DN90S4
3.2	18600	558	6350	1.20	
3.6	16300	485	6440	1.35	
4.0	14900	435	6500	1.45	
4.7	13000	378	6560	1.65	
5.5	11300	323	6610	1.85	
6.3	9990	281	6650	2.1	
6.9	10500	255	6630	1.65	
7.9	9270	222	6660	1.90	
8.6	8700	205	6670	2.0	
4.1	16500	286.40	8150	2.2	JRTS99DN90L6 JRTSF99DN90L6 JRTSA99DN90L6 JRTSAF99DN90L6
4.5	15200	262.22	8180	2.4	
5.1	13600	231.67	8210	2.7	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
1.5HP					
5.3	12500	222.40	6580	1.65	JRTS89DN90L6 JRTSF89DN90L6 JRTSA89DN90L6 JRTSAF89DN90L6
5.8	11500	202.96	6600	1.80	
6.1	11000	288.00	6620	1.80	
6.8	10000	258.18	6640	2.0	
7.9	8740	222.40	6670	2.2	JRTS89DN90S4 JRTSF89DN90S4 JRTSA89DN90S4 JRTSAF89DN90S4
8.7	8040	202.96	6690	2.4	
9.8	7200	180.00	6700	2.6	
12	6120	151.30	6720	3.0	
6.9	9420	256.47	3000	1.20	JRTS79DN90S4 JRTSF79DN90S4 JRTSA79DN90S4 JRTSAF79DN90S4
7.8	8380	225.26	3170	1.35	
8.2	8000	214.00	3230	1.40	
9.3	7150	189.09	3340	1.55	
11	6200	161.60	3450	1.75	
12	5720	148.15	3490	1.85	
14	5070	130.00	3550	2.0	
14	4830	123.20	3570	2.1	
16	4270	107.83	3600	2.3	
18	3870	97.14	3540	2.5	
21	3420	85.22	3420	2.7	
23	3450	75.09	3200	2.8	JRTS69DN90S4 JRTSF69DN90S4 JRTSA69DN90S4 JRTSAF69DN90S4
25	3290	71.33	3160	3.0	
15	4430	121.33	1990	1.05	
17	3940	106.75	2080	1.15	
17	3740	100.80	2120	1.25	
21	3230	85.83	2200	1.40	
23	2960	78.00	2240	1.50	
23	3260	75.06	2180	1.30	
27	2880	65.63	2120	1.45	
28	2740	62.35	2100	1.55	
32	2420	54.70	2040	1.75	
38	2070	46.40	1970	2.0	JRTS59DN90S4 JRTSF59DN90S4 JRTSA59DN90S4 JRTSAF59DN90S4
42	1880	41.89	1920	2.3	
48	1660	36.85	1860	2.5	
51	1570	34.80	1840	2.7	
59	1350	29.63	1760	3.1	
72	1180	24.44	1610	2.5	
76	1120	23.22	1590	2.7	
37	2060	47.32	1660	1.05	
40	1930	44.22	1630	1.10	
46	1680	38.23	1590	1.30	
54	1440	32.48	1530	1.50	
61	1290	29.00	1490	1.65	JRTS59DN90S4 JRTSF59DN90S4 JRTSA59DN90S4 JRTSAF59DN90S4
71	1110	24.77	1440	1.75	
76	1040	23.20	1410	1.80	
87	960	20.33	1300	1.55	
90	880	19.54	1350	1.80	
100	840	17.62	1260	1.75	
107	790	16.47	1240	1.90	
124	685	14.24	1200	2.2	
146	585	12.10	1150	2.5	
163	525	10.80	1120	2.9	





Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H_0} [lbf]	Service factor f_s	Model
1.5HP					
191	450	9.23	1070	2.9	JRTS59DN90S4
204	420	8.64	1050	3.0	JRTSF59DN90S4
258	335	6.83	980	2.6	JRTSA59DN90S4
275	315	6.40	970	2.7	JRTSAF59DN90S4
479	182	7.28	830	2.6	JRTS59DN80M2 JRTSF59DN80M2 JRTSA59DN80M2 JRTSAF59DN80M2
510	173	6.83	810	2.8	
545	162	6.40	795	2.7	
646	137	5.39	755	2.7	
732	121	4.76	725	2.6	
871	102	4.00	685	2.4	
61	1280	29.00	810	1.05	JRTS49DN90S4 JRTSF49DN90S4 JRTSA49DN90S4 JRTSAF49DN90S4
71	1100	24.77	800	1.15	
76	1030	23.20	790	1.20	
87	960	20.33	695	1.00	
90	870	19.54	770	1.25	
100	840	17.62	685	1.15	
107	785	16.47	680	1.20	
124	680	14.24	670	1.40	
146	580	12.10	655	1.65	
163	520	10.80	640	1.80	
191	445	9.23	620	2.1	
204	420	8.64	615	2.1	
242	355	7.28	590	2.1	
258	335	6.83	580	2.0	
275	315	6.40	570	2.1	
327	265	5.39	550	2.1	JRTS49DN80M2 JRTSF49DN80M2 JRTSA49DN80M2 JRTSAF49DN80M2
370	235	4.76	535	2.2	
440	199	4.00	510	2.1	
479	182	7.28	500	1.05	
510	173	6.83	490	1.75	
545	162	6.40	485	1.70	
646	137	5.39	460	1.55	
732	121	4.76	445	1.45	JRTS39DN90S4 JRTSF39DN90S4 JRTSA39DN90S4 JRTSAF39DN90S4
871	102	4.00	425	1.40	
220	385	8.00	360	1.00	
259	330	6.80	355	1.10	
278	305	6.33	345	1.00	
327	260	5.38	340	1.15	
362	235	4.86	335	1.20	JRTS39DN80M2 JRTSF39DN80M2 JRTSA39DN80M2 JRTSAF39DN80M2
444	196	3.97	320	1.45	
550	159	6.33	310	1.35	
647	135	5.38	300	1.30	
716	122	4.86	295	1.30	
879	100	3.97	280	1.25	
2.0HP					
2.5	33100	714	7570	1.10	JRTS99R59DN90L4 JRTSF99R59DN90L4 JRTSA99R59DN90L4 JRTSAF99R59DN90L4
2.8	34800	626	7490	1.05	
3.3	29900	538	7720	1.25	
3.6	27100	484	7830	1.35	
4.2	23500	420	7960	1.60	
4.7	21300	376	8030	1.75	
5.4	18700	327	8100	2.0	
6.2	16500	287	8150	2.2	
7.0	14400	252	8200	2.6	
8.1	12500	219	8230	3.0	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{H0} [lbf]	Service factor f_s	Model
2.0HP					
3.6	22000	485	6180	1.00	JRTS89R59DN90L4 JRTSF89R59DN90L4 JRTSA89R59DN90L4 JRTSAF89R59DN90L4
4.1	20000	435	6290	1.10	
4.7	17600	378	6400	1.25	
5.5	15300	323	6490	1.40	
6.3	13400	281	6550	1.60	
6.9	14200	255	6520	1.25	
8.0	12400	222	6570	1.40	JRTS99DN100L6 JRTSF99DN100L6 JRTSA99DN100L6 JRTSAF99DN100L6
8.6	11600	205	6600	1.50	
4.1	22000	286.40	8010	1.70	
4.5	20300	262.22	8060	1.85	
5.1	18100	231.67	8120	2.0	
6.0	15600	196.52	8170	2.4	
6.2	15200	286.40	8180	2.3	JRTS99DN90L4 JRTSF99DN90L4 JRTSA99DN90L4 JRTSAF99DN90L4
6.7	14000	262.22	8210	2.5	
7.6	12500	231.67	8230	2.8	
9.0	10700	196.52	8260	3.2	
5.3	16800	222.40	8430	1.25	
5.8	15400	202.96	8480	1.35	
6.6	13800	180.00	8540	1.45	JRTS89DN100L6 JRTSF89DN100L6 JRTSA89DN100L6 JRTSAF89DN100L6
6.1	14700	288.00	8510	1.35	
6.8	13300	258.18	8550	1.50	
8.0	11600	222.40	8600	1.70	
8.7	10600	202.96	8630	1.80	
9.8	9570	180.00	8660	1.95	
12	8150	151.30	8690	2.2	
13	7530	139.05	8700	2.4	
14	6740	123.48	8710	2.6	
16	6060	110.40	8720	2.8	JRTS89DN90L4 JRTSF89DN90L4 JRTSA89DN90L4 JRTSAF89DN90L4
18	5490	99.26	8730	3.0	
19	5690	91.20	8730	2.4	
22	5120	81.76	8730	2.8	
8.3	10600	214.00	2760	1.05	
9.3	9510	189.09	2990	1.15	
11	8240	161.60	3200	1.30	
12	7610	148.15	3280	1.40	
14	6750	130.00	3390	1.55	
14	6420	123.20	3420	1.60	JRTS79DN90L4 JRTSF79DN90L4 JRTSA79DN90L4 JRTSAF79DN90L4
16	5680	107.83	3470	1.75	
18	5150	97.14	3390	1.85	
21	4560	85.22	3290	2.0	
24	4600	75.09	3050	2.1	
25	4380	71.33	3020	2.2	
27	3620	66.67	3100	2.4	
28	3890	63.03	2930	2.5	
31	3110	56.92	2970	2.6	
33	3340	53.87	2830	2.9	JRTS89DN90L4 JRTSF89DN90L4 JRTSA89DN90L4 JRTSAF89DN90L4
36	3070	49.38	2770	3.2	
41	2710	43.33	2680	3.6	
21	4300	85.83	2020	1.05	
23	3930	78.00	2090	1.15	
27	3830	65.63	1970	1.10	
28	3650	62.35	1960	1.15	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
2.0HP					
32	3220	54.70	1920	1.30	
38	2750	46.40	1860	1.55	
42	2500	41.89	1820	1.70	
48	2210	36.85	1780	1.90	
51	2090	34.80	1750	2.0	
60	1790	29.63	1690	2.4	JRTS69DN90L4
66	1630	26.93	1660	2.5	JRTSF69DN90L4
72	1570	24.44	1530	1.90	JRTSA69DN90L4
76	1490	23.22	1510	2.0	JRTSAF69DN90L4
87	1310	20.37	1470	2.3	
102	1120	17.28	1420	2.7	
113	1010	15.60	1390	3.0	
129	890	13.73	1340	3.4	
54	1910	32.48	1440	1.15	
61	1720	29.00	1410	1.25	
71	1480	24.77	1370	1.30	
76	1390	23.20	1350	1.35	
90	1180	19.54	1300	1.35	
100	1120	17.62	1190	1.30	
107	1050	16.47	1170	1.40	JRTS59DN90L4
124	910	14.24	1140	1.65	JRTSF59DN90L4
146	775	12.10	1100	1.90	JRTSA59DN90L4
164	695	10.80	1070	2.1	JRTSAF59DN90L4
192	595	9.23	1040	2.2	
205	560	8.64	1020	2.2	
243	470	7.28	980	2.3	
259	445	6.83	950	1.95	
276	420	6.40	940	2.1	
328	355	5.39	900	2.4	
371	310	4.76	870	2.4	
442	265	4.00	830	2.4	
482	240	7.28	810	2.0	
513	225	6.83	795	2.1	JRTS59DN90S2
548	210	6.40	780	2.1	JRTSF59DN90S2
650	181	5.39	740	2.0	JRTSA59DN90S2
736	160	4.76	715	1.95	JRTSAF59DN90S2
876	135	4.00	680	1.85	
124	910	14.24	600	1.05	
146	775	12.10	595	1.25	
164	695	10.80	590	1.35	
192	595	9.23	580	1.55	
205	560	8.64	575	1.60	JRTS49DN90L4
243	470	7.28	555	1.60	JRTSF49DN90L4
259	445	6.83	545	1.55	JRTSA49DN90L4
276	420	6.40	540	1.60	JRTSAF49DN90L4
328	355	5.39	520	1.60	
371	310	4.76	510	1.65	
442	265	4.00	490	1.60	
513	225	6.83	475	1.30	
548	210	6.40	465	1.30	JRTS49DN90S2
650	181	5.39	445	1.15	JRTSF49DN90S2
736	160	4.76	435	1.10	JRTSA49DN90S2
876	135	4.00	415	1.05	JRTSAF49DN90S2
446	260	3.97	295	1.10	JRTS39DN90L4
					JRTSF39DN90L4
					JRTSA39DN90L4
					JRTSAF39DN90L4
553	210	6.33	290	1.00	JRTS39DN90S2
651	179	5.38	280	1.00	JRTSA39DN90S2
721	162	4.86	275	1.00	JRTSAF39DN90S2

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
3.0HP					
4.2	35700	420	7440	1.05	
4.7	32300	376	7610	1.15	
5.4	28300	327	7780	1.30	JRTS99R59DN100S4
6.1	25000	287	7910	1.50	JRTSF99R59DN100S4
7.0	21900	252	8010	1.70	JRTSA99R59DN100S4
8.1	19100	219	8090	1.95	JRTSAF99R59DN100S4
8.6	18000	205	8120	2.1	
5.1	27300	231.67	7830	1.35	JRTS99DN112M6
6.0	23400	196.52	7960	1.55	JRTSF99DN112M6
					JRTSA99DN112M6
					JRTSAF99DN112M6
6.2	22900	286.40	7980	1.55	
6.7	21100	262.22	8040	1.65	
7.6	18800	231.67	8100	1.85	
9.0	16100	196.52	8160	2.1	
9.7	14900	180.95	8190	2.2	JRTS99DN100S4
11	13400	161.74	8220	2.4	JRTSF99DN100S4
12	12100	145.60	8240	2.6	JRTSA99DN100S4
13	11100	131.85	8260	2.7	JRTSAF99DN100S4
15	9910	116.92	8270	3.0	
17	9000	105.71	8280	3.1	
20	7690	89.60	8300	3.5	
6.8	20000	258.18	6280	1.00	
7.9	17400	222.40	6400	1.10	
8.7	16000	202.96	6460	1.20	
9.8	14400	180.00	6520	1.30	
12	12200	151.30	6590	1.50	
13	11300	139.05	6610	1.60	
14	10100	123.48	6640	1.70	JRTS89DN100S4
16	9120	110.40	6670	1.85	JRTSF89DN100S4
18	8250	99.26	6680	1.95	JRTSA89DN100S4
20	7220	86.15	6700	2.2	JRTSAF89DN100S4
22	7700	81.76	6690	1.85	
23	6500	77.14	6720	2.3	
25	6670	70.43	6710	2.1	
27	6110	64.27	6720	2.3	
31	5440	57.00	6730	2.6	
14	10100	130.00	2870	1.00	
14	9660	123.20	2960	1.05	
16	8540	107.83	3150	1.15	
18	7750	97.14	3110	1.25	
21	6850	85.22	3040	1.35	
23	6090	75.20	2970	1.45	
26	5440	68.67	2900	1.60	JRTS79DN100S4
28	5850	63.03	2690	1.65	JRTSF79DN100S4
31	4680	56.92	2800	1.75	JRTSA79DN100S4
33	5030	53.87	2620	1.95	JRTSAF79DN100S4
36	4620	49.38	2580	2.1	
41	4080	43.33	2510	2.4	
43	3870	41.07	2490	2.5	
49	3400	35.94	2420	2.8	
54	3070	32.38	2360	3.0	
62	2710	28.41	2290	3.2	



Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
3.0HP					
70	2400	25.07	2220	3.5	JRTS79DN100S4
77	2250	22.89	2060	2.8	JRTSF79DN100S4
84	2070	20.99	2020	3.0	JRTSA79DN100S4
84	2070	20.99	2020	3.0	JRTSAF79DN100S4
38	4140	46.40	1650	1.00	JRTS89DN100S4 JRTSF89DN100S4 JRTSA89DN100S4 JRTSAF89DN100S4
42	3760	41.89	1630	1.15	
48	3330	36.85	1610	1.30	
51	3150	34.80	1590	1.35	
59	2700	29.63	1550	1.55	
65	2460	26.93	1530	1.65	
76	2140	23.33	1490	1.65	
86	1980	20.37	1340	1.50	
102	1680	17.28	1310	1.80	
113	1520	15.60	1280	1.95	
128	1340	13.73	1250	2.2	
136	1270	12.96	1240	2.4	
160	1080	11.03	1200	2.8	
176	990	10.03	1170	2.8	
203	860	8.69	1140	2.9	
233	750	7.56	1100	3.0	
257	680	13.73	1070	2.8	JRTS89DN90L2 JRTSF89DN90L2 JRTSA89DN90L2 JRTSAF89DN90L2
272	640	12.96	1060	2.7	
319	550	11.03	1020	2.7	
352	500	10.03	990	2.7	
406	430	8.69	950	2.5	
466	375	7.56	920	2.2	
124	1370	14.24	1030	1.10	JRTS59DN100S4 JRTSF59DN100S4 JRTSA59DN100S4 JRTSAF59DN100S4
146	1170	12.10	1010	1.30	
163	1040	10.80	990	1.40	
191	900	9.23	960	1.45	
204	840	8.64	950	1.50	
242	710	7.28	920	1.50	
258	675	6.83	900	1.30	
275	630	6.40	890	1.35	
327	535	5.39	850	1.55	
370	470	4.76	830	1.55	
440	395	4.00	795	1.55	
484	360	7.28	780	1.30	JRTS59DN90L2 JRTSF59DN90L2 JRTSA59DN90L2 JRTSAF59DN90L2
516	340	6.83	765	1.40	
551	315	6.40	750	1.40	
654	265	5.39	715	1.35	
740	235	4.76	695	1.30	
881	200	4.00	660	1.25	
191	890	9.23	490	1.05	JRTS49DN100S4 JRTSF49DN100S4 JRTSA49DN100S4 JRTSAF49DN100S4
204	840	8.64	490	1.05	
242	710	7.28	490	1.05	
258	675	6.83	480	1.00	
275	630	6.40	475	1.05	
327	530	5.39	470	1.10	
370	470	4.76	460	1.10	
440	395	4.00	450	1.05	

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
4.0HP					
6.1	33400	287	7550	1.10	JRTS99R59DN100L4 JRTSF99R59DN100L4 JRTSA99R59DN100L4 JRTSAF99R59DN100L4
7.0	29300	252	7740	1.25	
8.1	25600	219	7890	1.45	
8.6	24100	205	7940	1.55	
6.2	30500	286.40	7690	1.15	JRTS99DN100L4 JRTSF99DN100L4 JRTSA99DN100L4 JRTSAF99DN100L4
6.7	28100	262.22	7790	1.25	
7.6	25100	231.67	7910	1.40	
9.0	21500	196.52	8020	1.60	
9.7	19900	180.95	8070	1.65	
11	17900	161.74	8120	1.80	
12	16200	145.60	8160	1.95	
13	14800	131.85	8190	2.1	
15	13200	116.92	8220	2.2	
17	12000	105.71	8240	2.4	
20	10200	89.60	8270	2.6	
22	10300	80.85	8270	2.8	
9.8	19100	180.00	6330	1.00	JRTS89DN100L4 JRTSF89DN100L4 JRTSA89DN100L4 JRTSAF89DN100L4
12	16300	151.30	6450	1.10	
13	15000	139.05	6490	1.20	
14	13500	123.48	6550	1.30	
16	12100	110.40	6590	1.40	
18	11000	99.26	6620	1.50	
20	9620	86.15	6650	1.65	
22	10200	81.76	6640	1.40	
23	8660	77.14	6680	1.75	
25	8890	70.43	6670	1.60	
27	8140	64.27	6680	1.75	
31	7250	57.00	6700	1.95	
37	6120	47.91	6720	2.3	
40	5640	44.03	6730	2.5	
45	5020	39.10	6720	2.8	
50	4510	34.96	6530	3.1	
21	9140	85.22	2790	1.00	JRTS79DN100L4 JRTSF79DN100L4 JRTSA79DN100L4 JRTSAF79DN100L4
23	8120	75.20	2740	1.10	
26	7250	66.67	2700	1.20	
28	7790	63.03	2440	1.25	
31	6240	56.92	2630	1.30	
33	6700	53.87	2410	1.45	
36	6160	49.38	2380	1.60	
41	5430	43.33	2340	1.80	
43	5160	41.07	2320	1.90	
49	4540	35.94	2270	2.1	
54	4100	32.38	2230	2.2	
62	3610	28.41	2180	2.4	
70	3190	25.07	2120	2.6	
77	3010	22.89	1930	2.1	
84	2760	20.99	1900	2.2	JRTS79DN100L4 JRTSF79DN100L4 JRTSA79DN100L4 JRTSAF79DN100L4
96	2430	18.42	1860	2.6	
101	2300	17.45	1840	2.7	
115	2020	15.28	1790	3.1	
128	1820	13.76	1750	3.5	
146	1600	12.07	1700	4.0	
165	1420	10.65	1650	4.5	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
4.0HP					
51	4200	34.80	1430	1.00	
60	3600	29.63	1410	1.20	
65	3280	26.93	1400	1.25	
76	2850	23.33	1380	1.25	
87	2630	20.37	1200	1.15	
102	2240	17.28	1190	1.35	JRTS69DN100L4
113	2030	15.60	1180	1.50	JRTSF69DN100L4
128	1700	13.73	1160	1.70	JRTSA69DN100L4
136	1690	12.96	1150	1.75	JRTSAF69DN100L4
160	1450	11.03	1130	2.1	
176	1320	10.03	1110	2.1	
203	1140	8.69	1080	2.2	
233	1000	7.56	1050	2.2	
256	910	13.73	1030	2.1	
271	860	12.96	1020	2.0	JRTS69DN100L2
319	735	11.03	980	2.0	JRTSF69DN100L2
351	665	10.03	960	2.0	JRTSA69DN100L2
405	580	8.69	920	1.90	JRTSAF69DN100L2
465	505	7.56	890	1.65	
163	1390	10.80	900	1.05	
191	1190	9.23	890	1.10	
204	1120	8.64	880	1.10	JRTS59DN100L4
242	950	7.28	860	1.15	JRTSF59DN100L4
275	840	6.40	830	1.05	JRTSA59DN100L4
327	710	5.39	810	1.20	JRTSAF59DN100L4
370	630	4.76	790	1.20	
441	530	4.00	760	1.20	
407	570	8.64	780	1.05	
483	480	7.28	750	1.00	JRTS59DN100L2
515	455	6.83	735	1.05	JRTSF59DN100L2
550	425	6.40	725	1.05	JRTSA59DN100L2
652	360	5.39	695	1.00	JRTSAF59DN100L2
739	315	4.76	675	0.95	
5.0HP					
7.0	36900	252	7230	1.00	JRTS99R59DN100L4
8.0	32200	219	7610	1.15	JRTSF99R59DN100L4
8.6	30300	205	7700	1.20	JRTSA99R59DN100L4
6.7	35300	262.22	7460	1.00	JRTSAF99R59DN100L4
7.6	31400	231.67	7650	1.10	
8.9	27000	196.52	7840	1.25	
9.7	24900	180.95	7910	1.35	
11	22400	161.74	7990	1.45	
12	20300	145.60	8060	1.55	JRTS99DN100L4
13	18500	131.85	8110	1.65	JRTSF99DN100L4
15	16500	116.92	8150	1.80	JRTSA99DN100L4
17	15000	105.71	8190	1.90	JRTSAF99DN100L4
20	12800	89.60	8230	2.1	
22	12900	80.85	8220	2.2	
25	11500	71.43	8250	2.5	
29	9820	60.59	8270	3.0	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
5.0HP					
14	18900	123.48	6420	1.00	
16	15200	110.40	6490	1.10	
18	13700	99.26	6540	1.20	
20	12000	86.15	6590	1.30	
22	12800	81.76	6560	1.10	
23	10800	77.14	6620	1.40	JRTS89DN100L4
25	11100	70.43	6610	1.25	JRTSF89DN100L4
27	10200	64.27	6640	1.40	JRTSA89DN100L4
31	9080	57.00	6660	1.55	JRTSAF89DN100L4
37	7680	47.91	6690	1.85	
40	7070	44.03	6700	2.0	
45	6300	39.10	6600	2.2	
50	5650	34.96	6430	2.5	
56	5090	31.43	6260	2.8	
69	4240	25.50	5780	2.6	
28	9770	63.03	2190	1.00	
31	7830	56.92	2460	1.05	
33	8400	53.87	2190	1.15	
3	7730	49.38	2190	1.25	
41	6810	43.33	2170	1.45	
43	6470	41.07	2160	1.50	JRTS79DN100L4
49	5690	35.94	2130	1.65	JRTSF79DN100L4
54	5140	32.38	2100	1.80	JRTSA79DN100L4
62	4520	28.41	2060	1.95	JRTSAF79DN100L4
70	4010	25.07	2020	2.1	
77	3770	22.89	1800	1.65	
84	3460	20.99	1780	1.80	
95	3050	18.42	1750	2.1	
101	2890	17.45	1740	2.2	
115	2540	15.28	1700	2.5	
128	2290	13.76	1670	2.8	
146	2010	12.07	1630	3.2	
165	1780	10.65	1590	3.6	
230	1280	15.28	1480	3.6	
255	1160	13.76	1440	3.7	JRTS79DN100L2
291	1010	12.07	1400	3.6	JRTSF79DN100L2
329	900	10.65	1350	3.6	JRTSA79DN100L2
371	795	9.44	1310	3.5	JRTSAF79DN100L2
435	680	8.06	1260	3.4	
65	4110	26.93	1280	1.00	
75	3580	23.33	1270	1.00	
102	2810	17.28	1080	1.05	
113	2550	15.60	1080	1.20	
128	2250	13.73	1070	1.35	JRTS69DN100L4
136	2120	12.96	1070	1.40	JRTSF69DN100L4
159	1810	11.03	1050	1.65	JRTSA69DN100L4
175	1650	10.03	1040	1.70	JRTSAF69DN100L4
202	1430	8.69	1020	1.70	
233	1250	7.56	1000	1.75	
256	1140	13.73	980	1.65	
271	1070	12.96	970	1.65	
318	920	11.03	940	1.60	JRTS69DN100L2
350	830	10.03	920	1.60	JRTSF69DN100L2
404	725	8.69	900	1.50	JRTSA69DN100L2
464	630	7.56	870	1.35	JRTSAF69DN100L2





Output speed n_n [r/min]	Output torque T_n [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
5.4HP					
8.1	34800	219	7490	1.05	JRTS99R59DN112M4
8.6	32600	205	7600	1.15	JRTSF99R59DN112M4 JRTSA99R59DN112M4 JRTSAF99R59DN112M4
7.6	33700	231.67	7540	1.05	
9.0	28900	196.52	7760	1.15	
9.8	26800	180.95	7840	1.25	
11	24100	161.74	7940	1.35	
12	21800	145.60	8010	1.45	
13	19900	131.85	8070	1.55	JRTS99DN112M4
15	17700	116.92	8120	1.65	JRTSF99DN112M4
17	16100	105.71	8160	1.75	JRTSA99DN112M4
20	13700	89.60	8210	1.95	JRTSAF99DN112M4
22	13900	80.85	8210	2.1	
25	12300	71.43	8240	2.4	
29	10500	60.59	8260	2.8	
32	9730	55.79	8280	3.0	
16	16300	110.40	6450	1.05	
18	14800	99.26	6500	1.10	
21	12900	86.15	6560	1.20	
23	11600	77.14	6600	1.30	
25	11900	70.43	6590	1.20	
28	10900	64.27	6620	1.30	JRTS89DN112M4
31	9750	57.00	6650	1.45	JRTSF89DN112M4
37	8240	47.91	6680	1.70	JRTSA89DN112M4
40	7590	44.03	6690	1.85	JRTSAF89DN112M4
45	6760	39.10	6540	2.1	
51	6060	34.96	6380	2.3	
56	5470	31.43	6210	2.6	
65	4760	27.28	6000	3.0	
69	4560	25.50	5720	2.4	
83	3840	21.43	5500	2.9	
33	9020	53.87	2110	1.10	
36	8300	49.38	2110	1.15	
41	7310	43.33	2100	1.35	
43	6940	41.07	2090	1.40	
49	6100	35.94	2070	1.55	
55	5520	32.38	2050	1.65	
62	4860	28.41	2010	1.80	
71	4300	25.07	1980	1.95	JRTS79DN112M4
77	4050	22.89	1740	1.55	JRTSF79DN112M4
84	3720	20.99	1730	1.70	JRTSA79DN112M4
96	3270	18.42	1710	1.90	JRTSAF79DN112M4
101	3100	17.45	1700	2.0	
116	2720	15.28	1670	2.3	
129	2460	13.76	1640	2.6	
147	2160	12.07	1600	3.0	
166	1910	10.65	1570	3.4	
187	1690	9.44	1530	3.4	
219	1450	8.06	1480	3.5	

Output speed n_n [r/min]	Output torque T_n [lbf · in]	Ratio i	Permitted overhung load $F_{R0.1}$ [lbf]	Service factor f_s	Model
5.4HP					
233	1370	15.28	1460	3.4	
258	1230	13.76	1420	3.4	
294	1080	12.07	1380	3.4	JRTS79DN112M2
333	960	10.65	1340	3.4	JRTSF79DN112M2
376	850	9.44	1300	3.3	JRTSA79DN112M2
440	725	8.06	1240	3.2	JRTSAF79DN112M2
102	3020	17.28	1030	1.00	
113	2730	15.60	1040	1.10	
129	2410	13.73	1040	1.25	
136	2280	12.96	1030	1.30	JRTS69DN112M4
160	1950	11.03	1020	1.55	JRTSF69DN112M4
176	1770	10.03	1010	1.55	JRTSA69DN112M4
204	1540	8.69	1000	1.60	JRTSAF69DN112M4
234	1340	7.56	980	1.65	
259	1210	13.73	960	1.55	
274	1150	12.96	950	1.55	
322	980	11.03	930	1.50	JRTS69DN112M2
354	890	10.03	910	1.50	JRTSF69DN112M2
409	775	8.69	880	1.40	JRTSA69DN112M2
470	675	7.56	850	1.25	JRTSAF69DN112M2
7.5HP					
12	30400	145.60	7700	1.05	
13	27600	131.85	7810	1.10	
15	24700	116.92	7920	1.20	
17	22400	105.71	8000	1.25	
20	19100	89.60	8090	1.40	
23	16800	78.26	8150	1.50	JRTS99DN132S4
25	17100	71.43	8140	1.70	JRTSF99DN132S4
27	14100	65.45	8200	1.65	JRTSA99DN132S4
29	14600	60.59	8190	2.0	JRTSAF99DN132S4
32	13500	55.79	8220	2.2	
35	12100	49.87	8240	2.4	
39	10900	44.89	8260	2.7	
43	9920	40.65	8260	2.9	
28	13500	64.00	6550	1.05	
31	13500	57.00	6540	1.05	
37	11400	47.91	6540	1.25	
40	10500	44.03	6440	1.35	
45	9400	39.10	6290	1.50	
51	8430	34.96	6150	1.70	
56	7600	31.43	6010	1.85	JRTS89DN132S4
65	6610	27.28	5830	2.1	JRTSF89DN132S4
69	6330	25.50	5490	1.75	JRTSA89DN132S4
82	5340	21.43	5300	2.0	JRTSAF89DN132S4
90	4910	19.70	5210	2.2	
101	4370	17.49	5070	2.5	
113	3920	15.64	4950	2.8	
126	3530	14.06	4830	3.1	
145	3070	12.21	4670	3.6	
162	3570	10.93	4550	3.6	

Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{a,1}$ [lbf]	Service factor f_s	Model	Output speed n_a [r/min]	Output torque T_a [lbf · in]	Ratio i	Permitted overhung load $F_{a,1}$ [lbf]	Service factor f_s	Model
7.5HP						10.0HP					
43	9650	41.07	1750	1.00		83	7100	21.43	5060	1.55	
49	8480	35.94	1770	1.10		90	6530	19.70	4990	1.70	
55	7670	32.38	1780	1.20		101	5810	17.49	4880	1.90	
62	6750	28.41	1780	1.30		113	5210	15.64	4770	2.1	JRTS89DN132M4
71	5980	25.07	1770	1.40		126	4690	14.06	4670	2.3	JRTSF89DN132M4
80	5310	22.22	1750	1.55		145	4080	12.21	4530	2.7	JRTSA89DN132M4
93	4550	18.97	1720	1.65	JRTS79DN132S4	162	3650	10.93	4420	2.7	JRTSAF89DN132M4
96	4550	18.42	1490	1.40	JRTSF79DN132S4	196	3040	9.07	4240	2.8	
101	4310	17.45	1490	1.45	JRTSA79DN132S4	225	2640	7.88	4100	2.8	
116	3780	15.28	1480	1.70	JRTSAF79DN132S4	227	2620	15.64	4090	2.6	
128	3420	13.76	1470	1.85		252	2360	14.06	3990	2.5	JRTS89DN132M2
146	3000	12.07	1460	2.1		290	2050	12.21	3850	2.3	JRTSF89DN132M2
166	2650	10.65	1440	2.4		324	1840	10.93	3740	2.1	JRTSA89DN132M2
187	2360	9.44	1410	2.5		391	1530	9.07	3570	1.45	JRTSAF89DN132M2
219	2020	8.06	1380	2.5		450	1330	7.88	3440	1.35	
258	1720	13.76	1340	2.5		62	8970	28.41	1490	1.00	
294	1510	12.07	1310	2.4	JRTS79DN132S2	71	7950	25.07	1520	1.05	
333	1330	10.65	1270	2.4	JRTSF79DN132S2	80	7060	22.22	1530	1.15	
375	1180	9.44	1240	2.4	JRTSA79DN132S2	93	6050	18.97	1530	1.25	
439	1010	8.06	1200	2.3	JRTSAF79DN132S2	96	6040	18.42	840	1.05	JRTS79DN132M4
160	2710	11.03	810	1.10	JRTS69DN132S4	102	5730	17.45	910	1.10	JRTSF79DN132M4
176	2460	10.03	860	1.15	JRTSF69DN132S4	116	5030	15.28	1060	1.25	JRTSA79DN132M4
204	2140	8.69	880	1.15	JRTSA69DN132S4	129	4510	13.76	1160	1.40	JRTSAF79DN132M4
234	1840	7.56	870	1.20	JRTSAF69DN132S4	147	3990	12.07	1270	1.60	
258	1690	13.73	870	1.10		167	3530	10.65	1280	1.80	
273	1600	12.96	860	1.10	JRTS69DN132S2	188	3130	9.44	1280	1.85	
321	1360	11.03	850	1.10	JRTSF69DN132S2	220	2680	8.06	1260	1.90	
353	1240	10.03	840	1.05	JRTSA69DN132S2	232	2540	15.28	1260	1.85	
408	1080	8.69	820	1.00	JRTSAF69DN132S2	258	2290	13.76	1240	1.85	JRTS79DN132M2
10.0HP						294	2010	12.07	1220	1.80	JRTSF79DN132M2
20	25400	89.60	7890	1.05		333	1780	10.65	1200	1.80	JRTSA79DN132M2
23	22300	78.26	8000	1.15		375	1580	9.44	1170	1.75	JRTSAF79DN132M2
25	22800	71.43	7980	1.30		440	1350	8.06	1140	1.70	
27	18800	65.45	8100	1.25		12.3HP					
29	19400	60.59	8080	1.50		27	23100	65.45	7970	1.00	
32	17900	55.79	8120	1.60	JRTS99DN132M4	32	22000	55.79	8010	1.30	
36	16100	49.87	8160	1.80	JRTSF99DN132M4	36	19800	49.87	8050	1.45	
40	14500	44.89	8160	2.0	JRTSA99DN132M4	40	17800	44.89	7900	1.65	
44	13100	40.65	8000	2.2	JRTSAF99DN132M4	44	16200	40.65	7760	1.75	
49	11700	36.05	7790	2.4		49	14400	36.05	7580	1.90	
54	10600	32.60	7620	2.5		54	13000	32.60	7430	2.0	JRTS99DN132L4
67	8830	26.39	6960	2.6		67	10800	26.39	6740	2.1	JRTSF99DN132L4
75	7910	23.59	6800	2.9		75	9720	23.59	6600	2.4	JRTSA99DN132L4
84	7130	21.23	6650	3.2		84	8760	21.23	6470	2.6	JRTSAF99DN132L4
92	6430	19.23	6500	3.4		92	7950	19.23	6340	2.8	
40	14000	44.03	6100	1.00		104	7060	17.05	6180	3.0	
45	12400	39.10	5980	1.15	JRTS89DN132M4	115	6390	15.42	6050	3.2	
51	11200	34.96	5870	1.25	JRTSF89DN132M4	136	5420	13.07	5830	3.5	
56	10100	31.43	5760	1.40	JRTSA89DN132M4	156	4740	11.41	5650	3.7	
65	8790	27.28	5610	1.60	JRTSAF89DN132M4						
70	8420	25.50	5200	1.30							

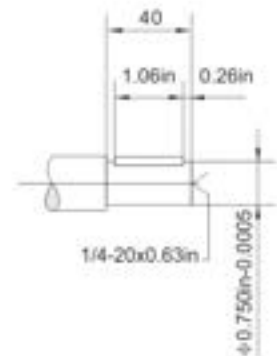
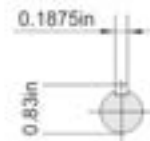
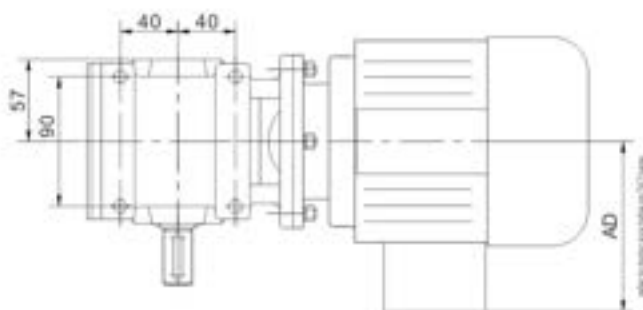
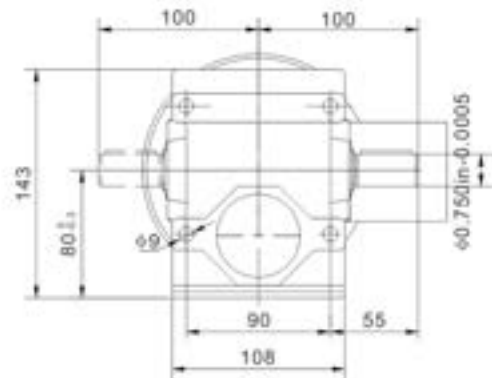
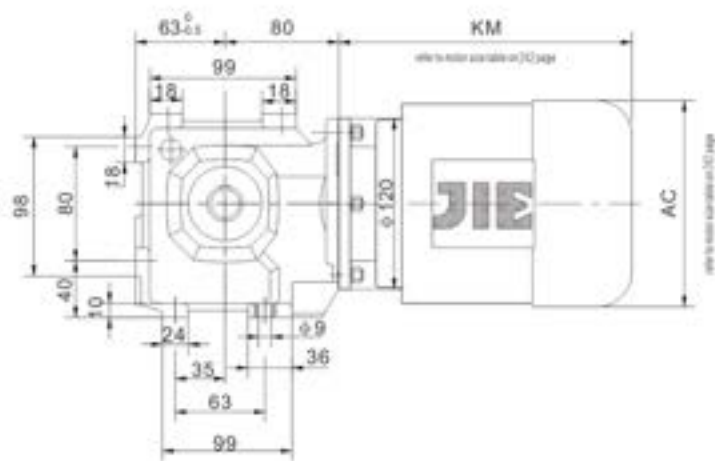




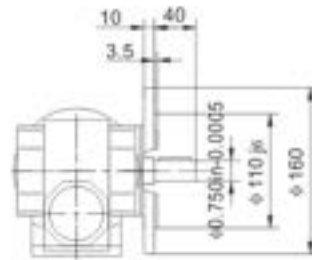
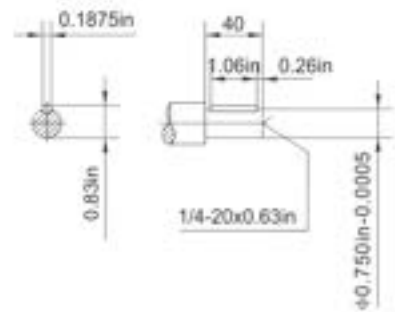
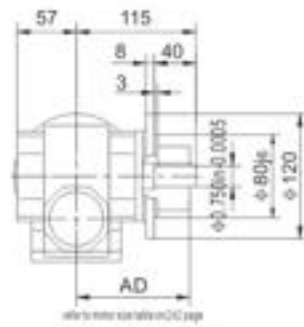
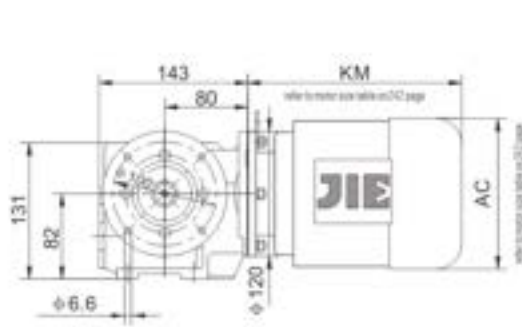
Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{s0} [lbf]	Service factor f_s	Model
12.3HP					
51	13700	34.96	5620	1.05	
56	12400	31.43	5540	1.15	
65	10800	27.28	5410	1.30	
73	9700	24.43	5310	1.45	
88	8070	20.27	5130	1.55	
90	8030	19.70	4780	1.35	JRTS89DN132L4
101	7150	17.49	4700	1.55	JRTSF89DN132L4
113	6400	15.64	4610	1.70	JRTSA89DN132L4
126	5760	14.06	4530	1.90	JRTSAF89DN132L4
145	5010	12.21	4410	2.2	
162	4490	10.93	4310	2.2	
196	3730	9.07	4140	2.2	
225	3250	7.88	4020	2.3	
94	7440	18.97	1360	1.00	
129	5580	13.76	685	1.15	JRTS79DN132L4
147	4910	12.07	840	1.30	JRTSF79DN132L4
167	4340	10.65	960	1.50	JRTSA79DN132L4
188	3850	9.44	1060	1.50	JRTSAF79DN132L4
220	3300	8.06	1160	1.55	
15.0HP					
32	26900	55.79	7810	1.10	
36	24100	49.87	7700	1.20	
40	21700	44.89	7590	1.35	
44	19700	40.65	7480	1.45	
49	17500	36.05	7330	1.55	
54	15900	32.60	7200	1.65	
67	13200	26.39	6480	1.75	JRTS99DN160M4
75	11800	23.59	6370	1.95	JRTSF99DN160M4
84	10600	21.23	6260	2.1	JRTSA99DN160M4
92	9690	19.23	6150	2.3	JRTSAF99DN160M4
104	8600	17.05	6010	2.5	
115	7790	15.42	5900	2.6	
136	610	13.07	5700	2.9	
156	5780	11.41	5530	3.1	
65	13100	27.28	5180	1.05	
73	11800	24.43	5100	1.20	
88	9840	20.27	4960	1.30	
90	9790	19.70	4550	1.10	JRTS89DN160M4
102	8710	17.49	4490	1.25	JRTSF89DN160M4
114	7800	15.64	4420	1.40	JRTSA89DN160M4
126	7030	14.06	4360	1.55	JRTSAF89DN160M4
146	6110	12.21	4260	1.80	
163	5480	10.93	4180	1.80	
196	4550	9.07	4040	1.85	
225	3960	7.88	3920	1.85	
147	5880	12.07	350	1.05	JRTS79DN160M4
167	5290	10.65	525	1.20	JRTSF79DN160M4
188	4700	9.44	665	1.25	JRTSA79DN160M4
220	4020	8.06	820	1.25	JRTSAF79DN160M4

Output speed n_s [r/min]	Output torque T_s [lbf · in]	Ratio i	Permitted overhung load F_{s0} [lbf]	Service factor f_s	Model
20.0HP					
40	29000	44.89	7020	1.00	
44	26300	40.65	6960	1.10	
49	23400	36.05	6870	1.20	
55	21200	32.60	6790	1.25	
67	17600	26.39	5990	1.30	
75	15700	23.59	5930	1.45	
84	14200	21.23	5870	1.60	JRTS99DN160L4
92	12900	19.23	5800	1.70	JRTSF99DN160L4
104	11400	17.05	5700	1.85	JRTSA99DN160L4
115	10300	15.42	5610	1.95	JRTSAF99DN160L4
136	8810	13.07	5460	2.2	
156	7700	11.41	5320	2.3	
186	6450	9.55	5140	2.3	
215	5590	8.26	4990	2.3	
114	10400	15.64	4080	1.05	
126	9360	14.06	4050	1.15	
146	8140	12.21	3990	1.35	JRTS89DN160L4
163	7300	10.93	3940	1.35	JRTSF89DN160L4
196	6070	9.07	3830	1.40	JRTSA89DN160L4
225	5280	7.88	3750	1.40	JRTSAF89DN160L4
25.0HP					
55	26400	32.60	6370	1.00	
64	22400	27.63	6270	1.10	
74	19600	24.13	6170	1.20	
84	17700	21.23	5480	1.30	
93	16100	19.23	5440	1.35	JRTS99DN180M4
104	14300	17.05	5390	1.50	JRTSF99DN180M4
116	12900	15.42	5330	1.55	JRTSA99DN180M4
136	10900	13.07	5220	1.75	JRTSAF99DN180M4
156	9610	11.41	5110	1.85	
187	8050	9.55	4960	1.85	
216	6970	8.26	4830	1.85	
146	10100	12.21	3710	1.10	JRTS89DN180M4
163	9110	10.93	3690	1.10	JRTSF89DN180M4
196	7570	9.07	3630	1.10	JRTSA89DN180M4
226	6590	7.88	3570	1.10	JRTSAF89DN180M4
30.0HP					
74	23600	24.13	5870	1.00	
84	21300	21.23	4800	1.05	
93	19300	19.23	5090	1.15	
104	17100	17.05	5070	1.25	JRTS99DN180L4
116	15500	15.42	5050	1.30	JRTSF99DN180L4
136	13100	13.07	4960	1.45	JRTSA99DN180L4
156	11500	11.41	4900	1.55	JRTSAF99DN180L4
187	9660	9.55	4790	1.55	
216	8370	8.26	4680	1.50	
40.0HP					
136	17500	13.07	4460	1.10	JRTS99DN200L4
156	15300	11.41	4480	1.15	JRTSF99DN200L4
187	12800	9.55	4440	1.15	JRTSA99DN200L4
216	11100	8.26	4380	1.15	JRTSAF99DN200L4

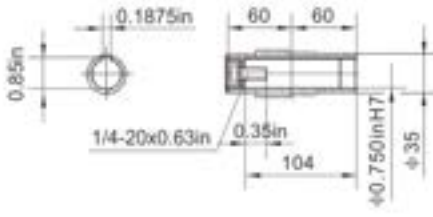
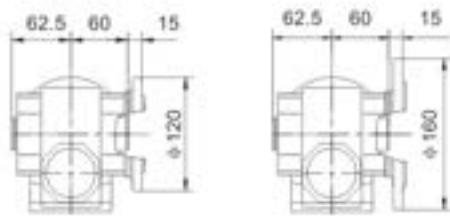
5. Features size table

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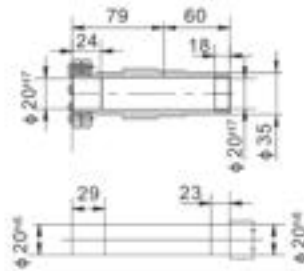
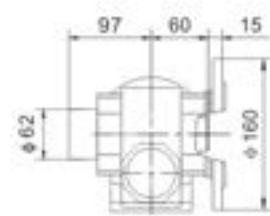
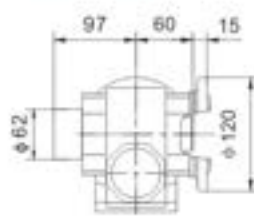
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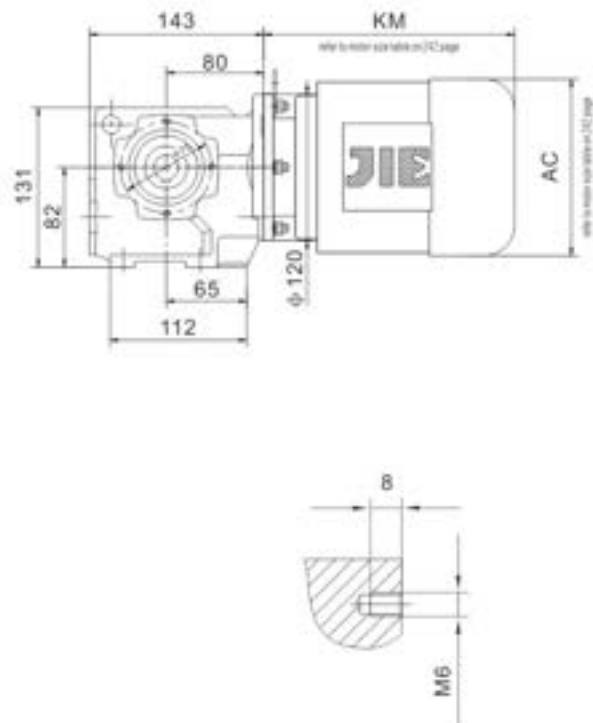
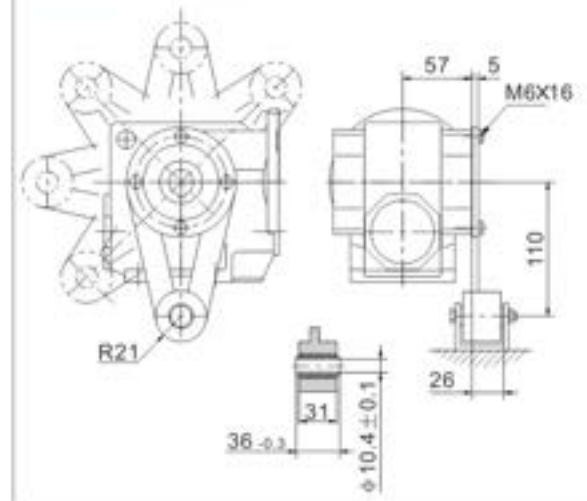
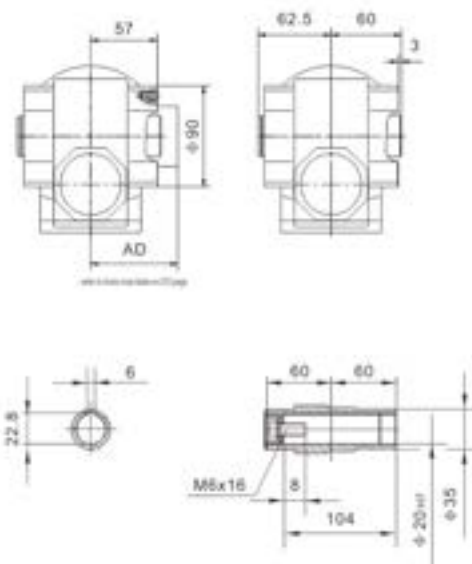
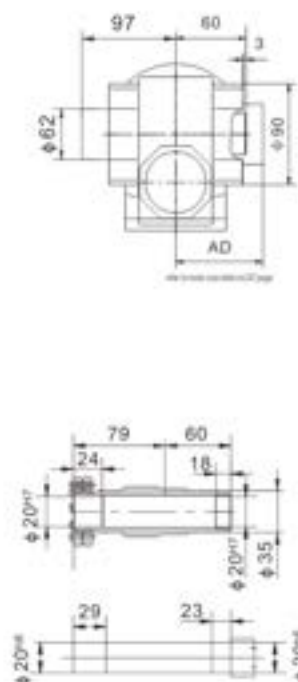


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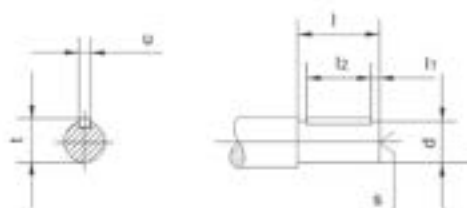
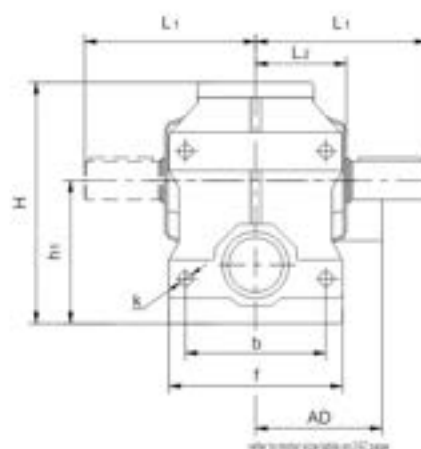
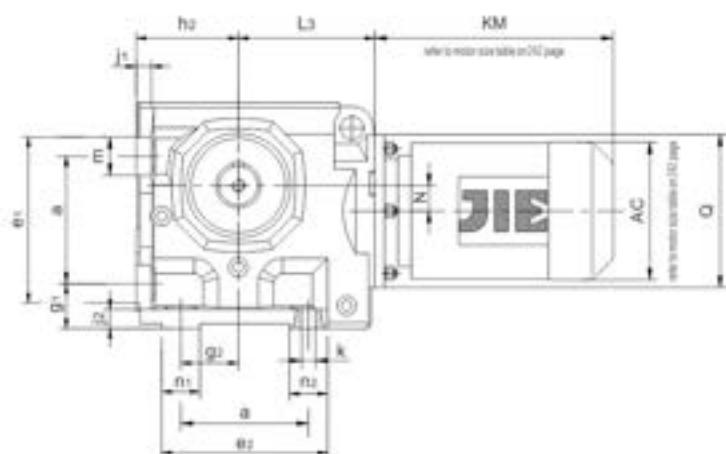


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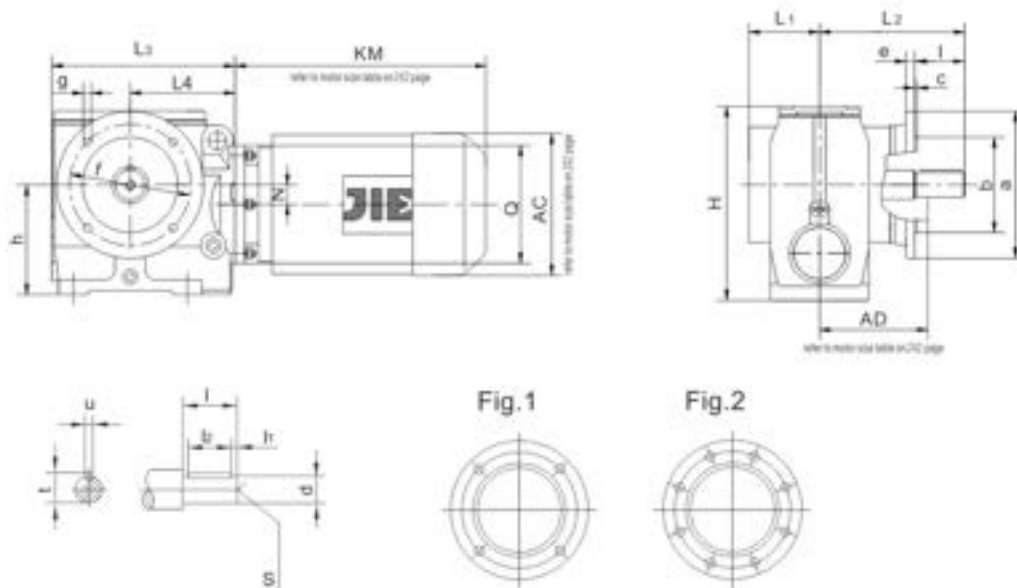
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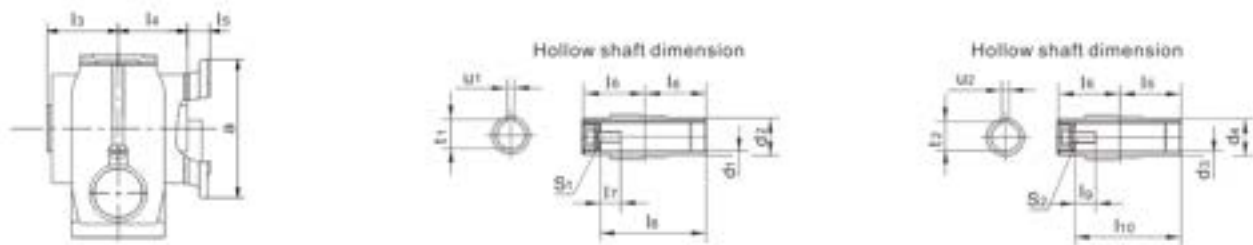


Model	a b	e ₁ e ₂ f	g ₁ g ₂	h ₁ h ₂	i ₁ i ₂ k	m n ₁ n ₂	Shaft dimension				L ₁ L ₂ L ₃	H	N Q
							d l	l ₁ l ₂	s	t u			
JRTS49..	80	105	35	100 _{0.3}	12	25	Φ0.750in-0.0005	0.26in	1/4-20x0.63in	0.83in	115	164	8
	100	117	35	75 _{0.3}	15	30	50	1.06in		0.1875in	60		120
	120	120	35		11	37					96		
JRTS59..	100	129	35	112 _{0.3}	12	29	Φ1.000in-0.0005	0.33in	3/8-60x0.86in	1.11in	134	189	20
	110	138.5	45	80 _{0.3}	15	29	60	1.31in		0.250in	71		120
	136	136	45		11	38.5					107		
JRTS69..	130	166	40	140 _{0.3}	15	36	Φ1.375in-0.0005	0.47in	1/2-13x1.12in	1.51in	160	236	22
	130	171	60	106 _{0.3}	20	45	70	1.81in		0.3125in	85.5		160
	160	160	60		13.5	41					135		
JRTS79..	135	177	70	180 _{0.3}	25	42	Φ1.750in-0.001	1.92in	5/8-11x1.38in	1.92in	195	301	34
	150	198	75	125 _{0.3}	25	50	90	0.375in		0.375in	101		200
	185	185	75		17.5	69					162		
JRTS89..	180	227.5	82	225 _{0.3}	30	50	Φ2.375in-0.001	2.65in	3/4-10x1.61in	2.65in	255	366	37.5
	200	238	92	150 _{0.3}	30	60	120	0.625in		0.625in	130		250
	250	250	92		22	67					190		
JRTS99..	235	295	90	280 _{0.3}	35	60	Φ2.875in-0.001	0.69in	3/4-10x1.61in	3.20in	295	457	52
	250	303	115	180 _{0.3}	35	70	140	4.13in		0.750in	150		300
	300	300	115		26	68					240		

JRTSF49..~JRTSF99..



JRTSAF49..~JRTSAF99..



Model	flange form	a b	c e	f g h	Shaft dimension			Hollow shaft dimension				Hollow shaft dimension			H N Q	L ₁ L ₂	L ₃ L ₄
					d l	l ₁ l ₂	s t u	d ₁ d ₂	l ₂ l ₄ l ₆	l ₆ l ₇ l ₈	s ₁ t ₁ u ₁	d ₃ d ₄	l ₃ l ₁₀	s ₂ t ₂ u ₂			
JRTSF49.. JRTSAF49..	Fig.1	160 110	3.5 6	130 9 100	φ0.750in-0.0005 50	0.26in 1.06in	1/4-20x0.63in 0.83in 0.1875in	φ1.250inH7 φ45	63 60 24	60 0.68in 105	7/16-14x1.00in 1.37in 0.250in	25H7 45	17 105	M10 × 25 28.3 8	179 8 120	57.5 133.5	171 96
JRTSF59.. JRTSAF59..	Fig.1	200 130	3.5 6	165 11 112	φ1.000in-0.0005 60	0.33in 1.31in	3/8-60x0.88in 1.11in 0.250in	φ1.375inH7 φ60	78 75 25	75 0.67in 132	1/2-13x1.00in 1.53in 0.3125in	30H7 50	17 132	M10 × 25 33.3 8	189 20 120	72 160	187 107
JRTSF69.. JRTSAF69..	Fig.1	200 130	3.5 6	165 11 140	φ1.375in-0.0005 70	0.47in 1.81in	1/2-13x1.12in 1.51in 0.3125in	φ1.500inH7 φ65	87 84 42.5	84 1.40in 144	5/8-11x1.75in 1.67in 0.375in	40H7 65	29 144	M16 × 40 43.3 12	236 22 160	80.5 190	240 135
JRTSF79.. JRTSAF79..	Fig.1	250 180	4 15	215 13.5 180	φ1.750in-0.001 90	1.92in 0.375in	5/8-11x1.38in 1.32in 0.375in	φ2.000inH7 φ80	108 105 45.5	105 1.19in 190	5/8-11x1.75in 2.24in 0.500in	50H7 80	32 183	M16 × 45 53.8 14	301 34 200	121 232	287 162
JRTSF89.. JRTSAF89..	Fig.1	350 250	5 6	300 17.5 225	φ2.375in-0.001 120	2.65in 0.625in	3/4-10x1.61in 2.65 in0.625in	φ2.375inH7 φ95	128 125 52.5	125 1.42in 220	3/4-10x2.00in 2.67in 0.625in	60H7 95	36 220	M20 × 50 64.4 18	366 37.5 250	145 290	340 190
JRTSF99.. JRTSAF99..	Fig.2	450 350	5 6	400 17.5 280	φ2.875in-0.001 140	0.69in 4.13in	3/4-10x1.61in 3.20in 0.750in	φ2.750inH7 φ120	149 145 60	145 1.28in 255	3/4-10x2.00in 3.05in 0.625in	70H7 120	34 260	M20 × 50 74.9 20	457 52 300	165 340	420 240

JRTSHF49..~JRTSHF99..

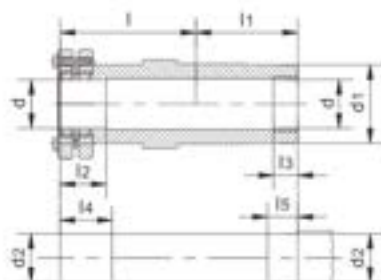
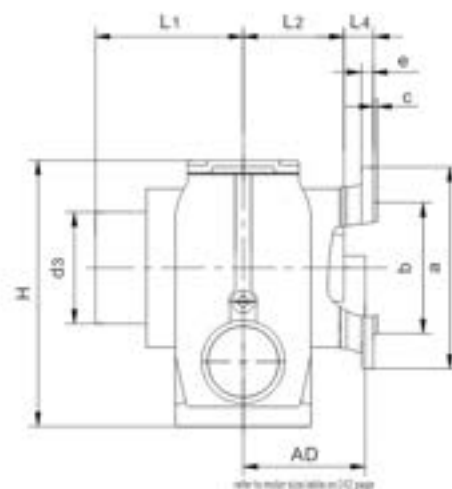
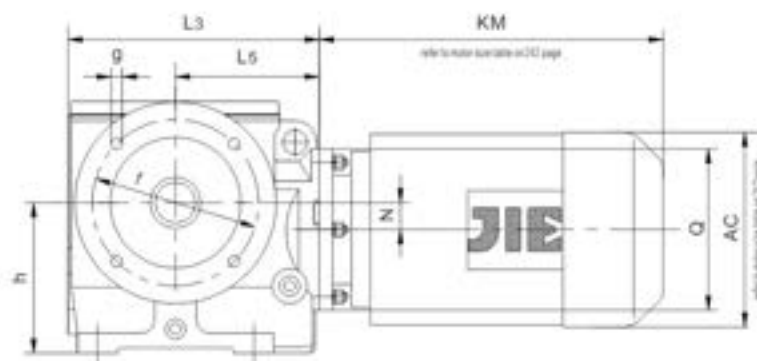
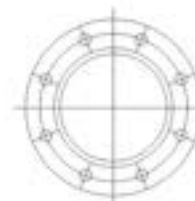


Fig.1

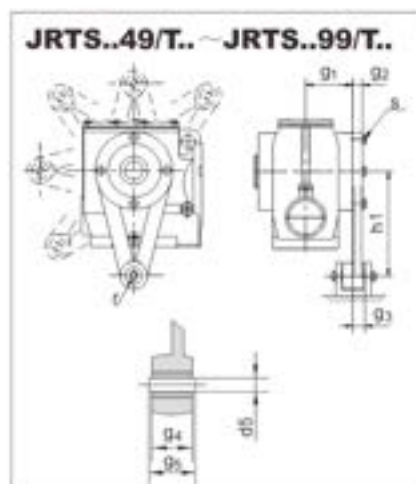
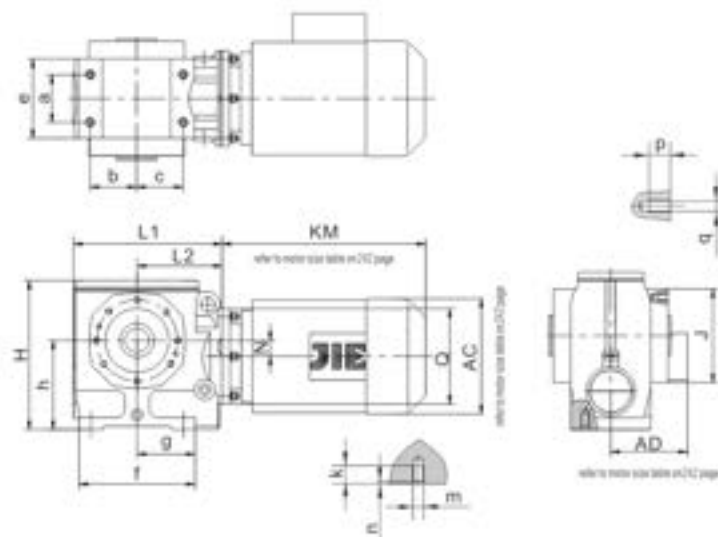


Fig.2



Model	flange form	a b	c e	f g h	l l1	l2 l3	l4 l5	d d1	d2 d3	H N Q	L1 L2	L3 L4	L5
JRTSHF49..	Fig.1	160 110q6	3.5 10	130 9 100	86 60	31 20	36 25	30h7 45	30h6 80	179 8 120	104 60	171 24	96
JRTSHF59..	Fig.1	200 130q6	3.5 12	165 11 112	102 75	32 20	37 25	35h7 50	35h6 88	189 20 120	121 75	187 25	107
JRTSHF69..	Fig.1	200 130q6	3.5 12	165 11 140	112 84	38 20	43 25	40h7 65	40h6 100	236 22 160	136 84	240 42.5	135
JRTSHF79..	Fig.1	250 180q6	4 15	215 13.5 180	136 105	36 30	41 35	50h7 80	50h6 124	301 34 200	176 105	287 45.5	162
JRTSHF89..	Fig.1	350 250h6	5 18	300 17.5 225	165 125	40 40	45 45	65h7 95	65h6 165	366 37.5 250	203 125	340 52.5	190
JRTSHF99..	Fig.2	450 350h6	5 22	400 17.5 145	190 145	55 50	60 55	75h7 120	75h6 200	457 52 300	224 145	420 60	240

JRTSH49..~JRTSH99..



JRTSH49

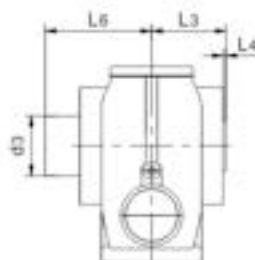
JRTSH59

JRTSH69..

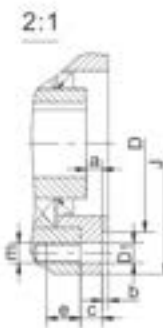
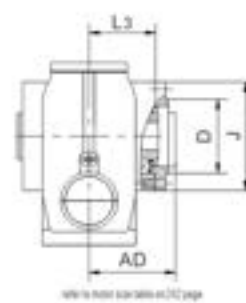
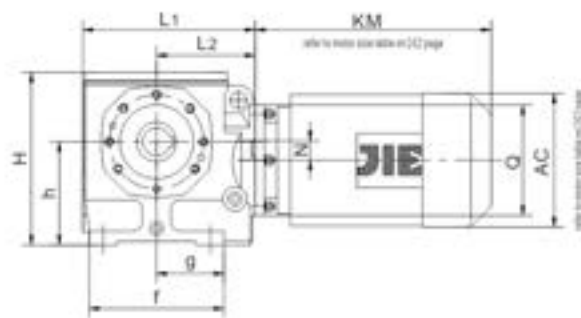
JRTSH79..

JRTSH89.

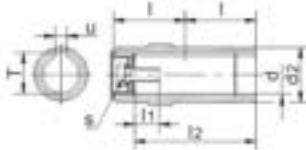
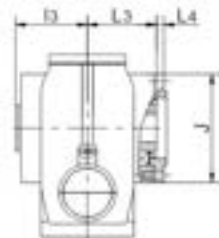
JRTSH99.



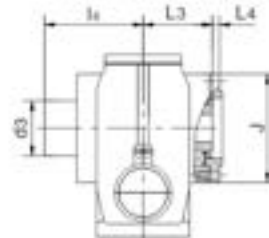
Model	a b c	e f g	h	k m n	p q	Hollow shaft dimension						Torque arm form			H L ₁ L ₂	L3 L4	N Q J
						l l ₁	l ₂ l ₃	l ₄ l ₅	L ₆ d	d ₁ d ₂	d ₃	g ₁ g ₂ g ₃	g ₄ g ₅ h ₁	d ₅ r s ₂			
JRTSH49.. JRTS_49/T...	60 35 52	92 117 67	100	20 M10 4	12 M8	86 60	31 20	36 25	104 30H7	45 30h6	80	57.5 5 20.5	31 36 _{0.3} 130	10.4 ± 0.1 21 M8 × 25	179 171 96	60 2.5	8 120 130
JRTSH59.. JRTS_59/T...	60 58.5 58.5	100 146 73	112	20 M10 4	12 M8	102 75	32 20	37 25	121 35H7	50 35h6	88	72 5 18.5	31 36 _{0.3} 160	10.4 ± 0.1 21 M8 × 25	189 187 107	75 2.5	20 120 120
JRTSH69.. JRTS_69/T...	88 71.5 60.5	124 192 100.5	140	25 M12 5	20 M12	112 84	38 20	43 25	136 40H7	65 40h6	100	80.5 10 19.5	31 36 _{0.3} 200	10.4 ± 0.1 21 M12 × 35	236 240 135	84 3.5	22 160 155
JRTSH79.. JRTS_79/T...	102 85 85	151 200 100	180	32 M16 6	20 M12	136 105	36 30	41 35	176 50H7	80 50h6	124	101 10 32.5	54 60 _{0.3} 250	16.4 ± 0.08 30 M12 × 35	301 287 162	105 4	34 200 178
JRTSH89.. JRTS_89/T...	118 115 110	191 259 128	225	32 M16 6	26 M16	165 125	40 40	45 45	203 65H7	95 65h6	165	120 10 25.5	54 60 _{0.5} 310	16.4 ± 0.08 30 M16 × 45	366 340 190	125 5	375 250 215
JRTSH99.. JRTS_99/T...	160 135 113	230 312 162	280	36 M20 6	26 M16	190 145	55 50	60 55	224 75H7	120 75h6	200	140 10 33	72 80 _{0.3} 380	25 ± 0.08 40 M16 × 50	457 420 240	146 5	52 300 260



JRTSAZ49..~JRTSAZ99..



JRTSHZ49..~JRTSHZ99..



JRTS..Z49..

JRTS..Z59..

JRTS..Z69..

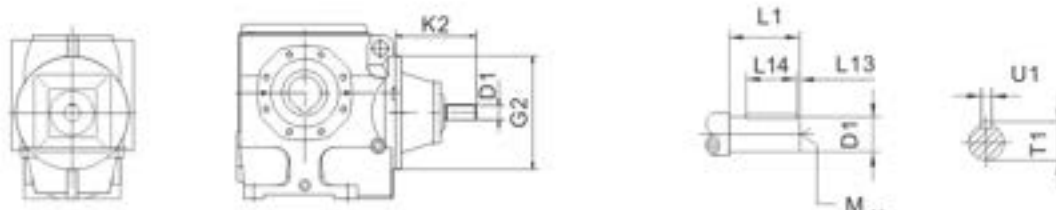
JRTS..Z79..

JRTS..Z89..

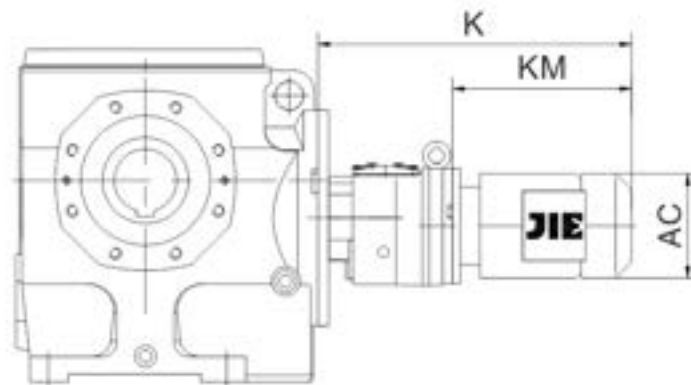
JRTS..Z99..

Model	a b c	e f g	h m	D D ₁	l	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	d	d ₁	d ₂	d ₃	u	u ₁	T	T ₁	S	S ₁	H L ₁ L ₂	L ₃ L ₄	N Q J
JRTSAZ49 JRTSHZ49	8.5 3 11	12 117 67	100 M8	95/6 9	60 86	0.67in 60	105 31	63 20	- 36	- 25	- 104	Φ1.250inH7 Φ30mmH7	25H7 45	45 30/6	- 80	0.250in —	8 -	1.37in —	28.3 -	7/16-14x1.00in —	M10 × 25 -	179 171 96	60 8.5	8 120 130
JRTSAZ59 JRTSHZ59	8 3 11	12 146 73	112 M8	80/6 9	75 102	0.87in 75	132 32	78 20	- 37	- 25	- 121	Φ1.375inH7 Φ35mmH7	30H7 50	50 35/6	- 88	0.3125in —	8 -	1.53in —	33.3 -	10-13x1.00in —	M10 × 25 -	189 187 107	75 8	20 120 120
JRTSAZ69 JRTSHZ69	9.5 3.5 13	12 192 100.5	140 M12	105/6 13.5	84 112	1.14in 84	144 38	87 20	- 43	- 25	- 136	Φ1.500inH7 Φ40mmH7	40H7 65	65 40/6	- 100	0.375in —	12 -	1.67in —	43.3 -	5/8-11x1.75in —	M16 × 40 -	236 240 135	84 9.5	22 160 155
JRTSAZ79 JRTSHZ79	14.5 4 14	18.5 200 100	180 M12	125/6 13.5	105 136	1.46in 105	180 36	108 30	- 41	- 35	- 176	Φ2.000inH7 Φ50mmH7	50H7 80	80 50/6	- 124	0.500in —	14 -	2.24in —	53.8 -	5/8-11x1.75in —	M16 × 45 -	301 287 162	105 14.5	34 200 178
JRTSAZ89 JRTSHZ89	18.5 5 13.5	23.5 259 128	225 M16	150/6 17.5	125 165	1.42in 125	220 40	128 40	- 45	- 45	- 203	Φ2.375inH7 Φ65mmH7	60H7 95	95 65/6	- 165	0.625in —	18 -	2.67in —	64.4 -	3/4-10x2.00in —	M20 × 50 -	366 340 190	125 18.5	37.5 250 215
JRTSAZ99 JRTSHZ99	18.5 5 13.5	23.5 312 162	280 M16	180/6 17.5	145 190	1.61in 145	255 55	149 50	- 60	- 55	- 224	Φ2.750inH7 Φ75mmH7	70H7 120	120 75/6	- 200	0.625in —	20 -	3.05in —	74.9 -	3/4-10x2.00in —	M20 × 50 -	457 420 240	145 18.5	52 300 265

JRTS..AD..



		G2	K2	D1	L1	L13	L14	T1	U1	M
JRTS..39 JRTS..49 JRTS..59	AD1	120	102	16k6	40	4	32	18	5	M5
	AD2		130	19k6	40	4	32	21.5	6	M6
JRTS..69	AD2	160	123	19k6	40	4	32	21.5	6	M6
	AD3		159	24k6	50	5	40	27	8	M8
JRTS..79	AD2	200	116	19k6	40	4	32	21.5	6	M6
	AD3		151	24k6	50	5	40	27	8	M8
	AD4		224	38k6	80	5	70	41	10	M12
JRTS..89	AD2	250	111	19k6	40	4	32	21.5	6	M6
	AD3		156	28k6	60	5	50	31	8	M10
	AD4		219	38k6	80	5	70	41	10	M12
	AD5		292	42k6	110	10	70	45	12	M16
JRTS..99	AD3	300	151	28k6	60	5	50	31	8	M10
	AD4		214	38k6	80	5	70	41	10	M12
	AD5		287	42k6	110	10	70	45	12	M16
	AD6		327	48k6	110	10	80	51.5	14	M16

JRTS..R..

		AC	K	KM
JRTS..39R19	DN63..	120	373	198
	DN71..	135	403	228
	DN80..	156	454	279
JRTS..49R19 JRTS..59R19	DN63..	120	363	298
	DN71..	135	393	228
	DN80..	156	444	279
JRTS..69R39	DN63..	120	363	198
	DN71..	135	393	228
	DN80..	156	444	279
	DN90..	175	516	351
JRTS..79R39	DN63..	120	355	198
	DN71..	135	385	228
	DN80..	156	436	279
	DN90..	175	508	351
JRTS..89R59	DN63..	120	408	192
	DN71..	135	437	221
	DN80..	156	488	272
	DN90..	175	500	284
	DN100..	198	575	359
JRTS..99R59	DN63..	120	403	192
	DN71..	135	432	221
	DN80..	156	483	272
	DN90..	175	495	284
	DN100..	198	570	359
	DN112M	221	603	392

Notes: The dimension of motor in the above table is only for reference. If you have special require, please consult us.

1. JRT Gear motor weights

Gear Reducer weights

Gear reducer size	kg	Gear reducer size	kg	Gear reducer size	kg	Gear reducer size	kg	Gear reducer size	kg
JRTRX59	9	JRTR..29	4	JRTR..89	55	JRTF29	6.5	JRTF59	25
JRTRXF59	11	JRTR..29F	4	JRTR..89F	63	JRTFA29	6	JRTFA59	24
JRTRX69	12	JRTR..39	10	JRTR..99	100	JRTFF29	8	JRTFF59	31
JRTRXF69	16	JRTR..39F	12	JRTR..99F	118	JRTFAF29	7	JRTFAF59	30
JRTRX79	20	JRTR..49	14	JRTR..109	130	JRTF39	13	JRTF69	31
JRTRXF79	24	JRTR..49F	17	JRTRF..109	164	JRTFA39	12	JRTFA69	27
JRTRX89	35	JRTR..59	20	JRTRF..139	274	JRTFF39	15	JRTFF69	37
JRTRXF89	40	JRTR..59F	24	JRTR..149	360	JRTFAF39	14	JRTFAF69	35
JRTRX99	59	JRTR..69	25	JRTRF..149	385	JRTF49	18	JRTF79	55
JRTRXF99	66	JRTR..69F	29	JRTR..169	605	JRTFA49	17	JRTFA79	50
JRTRX109	88	JRTR..79	30	JRTRF..169	685	JRTFF49	21	JRTFF79	66
JRTRXF109	103	JRTR..79F	36			JRTFAF49	20	JRTFAF79	58

Gear reducer size	kg	Gear reducer size	kg	Gear reducer size	kg	Gear reducer size	kg	Gear reducer size	kg
JRTF89	96	JRTF129	401	JRTK39	12	JRTK69	30	JRTK99	150
JRTFA89	90	JRTFA129	365	JRTKF39	15	JRTKF69	36	JRTKF99	171
JRTFF89	112	JRTFF129	447	JRTKA39	11.5	JRTKA69	29	JRTKA99	130
JRTFAF89	105	JRTFAF129	401	JRTKAF39	15	JRTKAF69	34	JRTKAF99	156
JRTF99	157	JRTF159	632	JRTK49	19	JRTK79	54	JRTK109	260
JRTFA99	150	JRTFA159	610	JRTKF49	22.5	JRTKF79	62	JRTKF109	271
JRTFF99	190	JRTFF159	740	JRTKA49	18	JRTKA79	46	JRTKA109	231
JRTFAF99	171	JRTFAF159	670	JRTKAF49	21	JRTKAF79	55	JRTKAF109	265
JRTF109	241			JRTK59	24	JRTK89	90	JRTK129	410
JRTFA109	225			JRTKF59	29	JRTKF89	100	JRTKF129	452
JRTFF109	269			JRTKA59	22	JRTKA89	78	JRTKA129	381
JRTFAF109	245			JRTKAF59	28	JRTKAF89	91	JRTKAF129	419

Gear Reducer weights

Gear reducer size	kg	Gear reducer size	kg	Gear reducer size	kg	Gear reducer size	kg	Motor size	kg
JRTK159	635	JRTS39	6	JRTS69	25	JRTS99	140	DN63S2	6
JRTKF159	715	JRTSF39	8	JRTSF69	32	JRTSF99	171	DN63M2	6.8
JRTKA159	603	JRTSA39	6	JRTSA69	26	JRTSA99	135	DN71S2	7.8
JRTKAF159	660	JRTSAF39	7.5	JRTSAF69	31	JRTSAF99	160	DN71M2	9.4
JRTK169	1035	JRTS49	10	JRTS79	45			DN80S2	12.3
JRTKH169	1000	JRTSF49	14	JRTSF79	55			DN80M2	15
JRTK189	1615	JRTSA49	11	JRTSA79	45			DN90S2	19.8
JRTKH189	1550	JRTSAF49	13	JRTSAF79	52			DN90L2	23.2
		JRTS59	14	JRTS89	80			DN100L2	33
		JRTSF59	18	JRTSF89	101			DN112M2	47.2
		JRTSA59	14	JRTSA89	76			DN132S2	52
		JRTSAF59	17	JRTSAF89	94			DN132M2	53

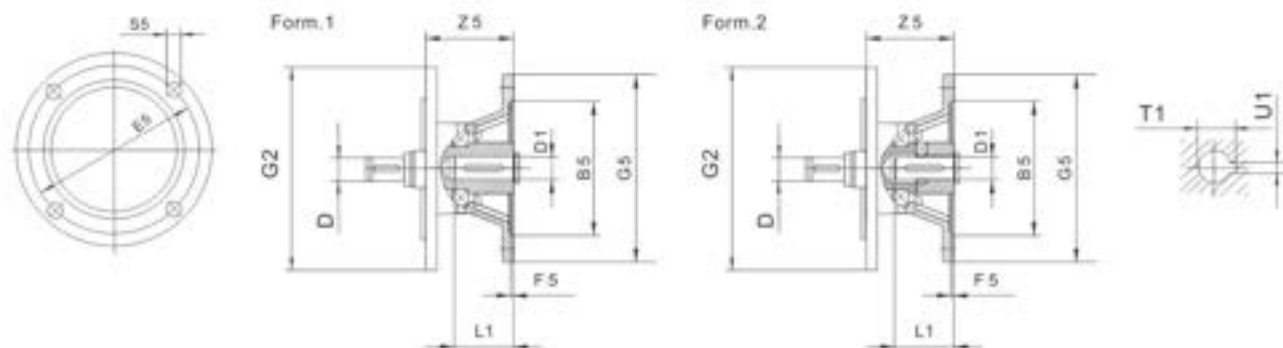


Motor weights

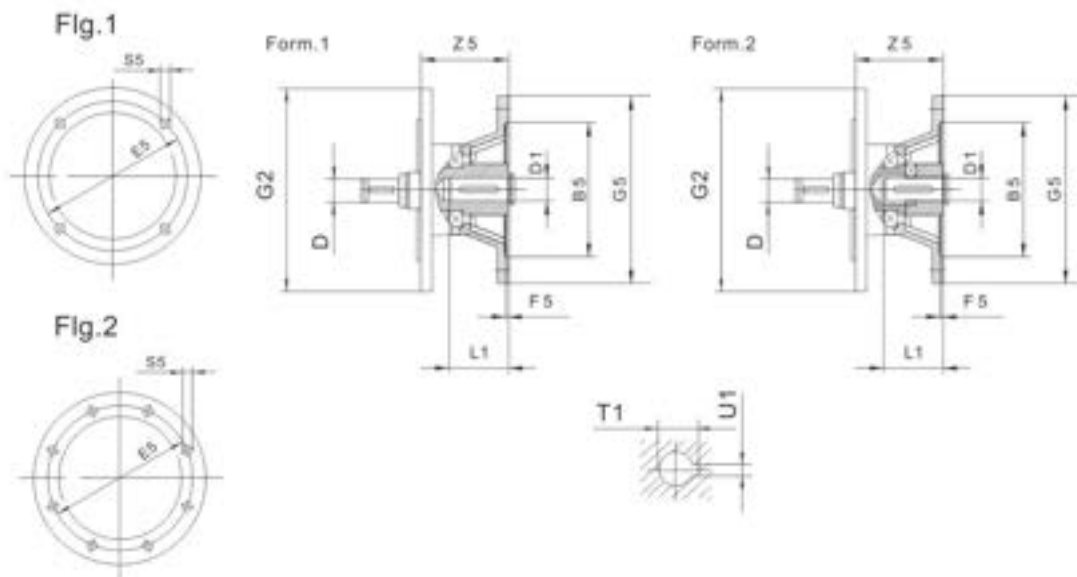
Motor size	kg	Motor size	kg	Motor size	kg	Motor size	kg	Motor size	kg
DN160M2	115	DN71M4	9.4	DN160L4	142	DN80M6	15	DN200L6	280
DN160L2	117	DN80S4	12.3	DN180M4	181	DN90S6	19.8	DN200H6	283
DN160H2	130	DN80M4	15	DN180L4	209	DN90M6	19.8	DN225M6	310
DN180M2	155	DN90S4	19.8	DN200L4	285	DN90L6	23.2	DN250M6	460
DN200L2	280	DN90L4	23.2	DN225S4	328	DN100L6	33	DN280S6	520
DN225M2	323	DN100S4	27.6	DN225M4	363	DN112M6	47.2		
DN250M2	460	DN100L4	33	DN250M4	442	DN132S6	52		
DN280S2	546	DN112M4	47.2	DN280S4	569	DN132M6	53		
DN280M2	630	DN132S4	52	DN280M4	639	DN132L6	91.2		
DN63S4	6	DN132M4	88	DN63M6	6.6	DN160M6	115		
DN63M4	6.8	DN132L4	91.2	DN71S6	7.8	DN160L6	114		
DN71S4	7.8	DN160M4	121	DN71M6	9.4	DN180L6	197		

Notes: The weight of reducers in the table is the average weight for each ratio. If you need exact weight for certain ratio or input output modules, please consult our company.

2. Coupling for mounting of IEC motors



Gear unit type	Motor adaptor	Form	B5	D	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1	weight kg			
JRTR..29,JRTR..39 JRTF..39,JRTF..49 JRTK..39 JRTR..39,JRTR..49, JRTR..59	AM63	1	95G7	10n6	115	4.5	120	140	M8	72	11F7	23	12.8	4	5.7			
	AM71 ^h		110G7	130	160			92.5		14F7	30	16.3	5	4				
	AM80 ^h		130G7	12n6	165			200	M10	118	19F7	40	21.8	6	5.5			
	AM90 ^h			14n6						24F7	50	27.3	8	6.3				
JRTR..49,JRTR..59, JRTR..69 JRTR..59,JRTR..69 JRTK..49,JRTK..59, JRTK..69 JRTR..69	AM63	1	95G7	10n6	115	4.5	160	140	M8	66	11F7	23	12.8	4	6.1			
	AM71		110G7	130	160			87		14F7	30	16.3	5	6				
	AM80		130G7	12n6	165			200	M10	113	19F7	40	21.8	6	10			
	AM90			14n6						24F7	50	27.3	8	10				
	AM100 ^h	2	180G7	16n6	215	5		250	M12	144	28H7	60	31.3	8	11.1			
	AM112 ^h			18n6											11.1			
	AM132 ^h			230G7						22n6	265	300	177	38H7	80	41.3	10	20
	JRTR..79 JRTR..79 JRTK..79 JRTR..79	AM63	1	95G7	10n6	115		4.5	200	140	M8	60	11F7	23	12.8	4	8.1	
AM71		110G7		130	160		14F7			30		16.3	5	8.8				
AM80		130G7		12n6	165	200	M10			92	19F7	40	21.8	6	11.6			
AM90				14n6						24F7	50	27.3	8	11.6				
AM100 ^h		2	180G7	16n6	215	5	250	M12		136	28H7	60	31.3	8	12.6			
AM112 ^h				18n6											12.6			
AM132S ^h				230G7						22n6	265	300	196	38H7	80	41.3	10	25.1
AM132M ^h										28n6								25.1
JRTR..89 JRTR..89 JRTK..89 JRTR..89	AM80	1	130G7	12n6	165	4.5	250	200	M10	100	19F7	40	21.8	6	17.8			
	AM90			14n6							24F7	50	27.3	8	17.8			
	AM100	180G7	16n6	215	250	M12		131	28H7	60	31.3	8	18.9					
	AM112		18n6										18.9					
	AM132S AM132M	230G7	22n6	265	300	191		38H7	80	41.3	10	27.7						
	AM132ML		28n6									27.7						
	AM160 ^h		250G7									28n6	300	6	350	M16	236	42H7
	AM180 ^h	32n6		48H7	51.8	14		43.7										

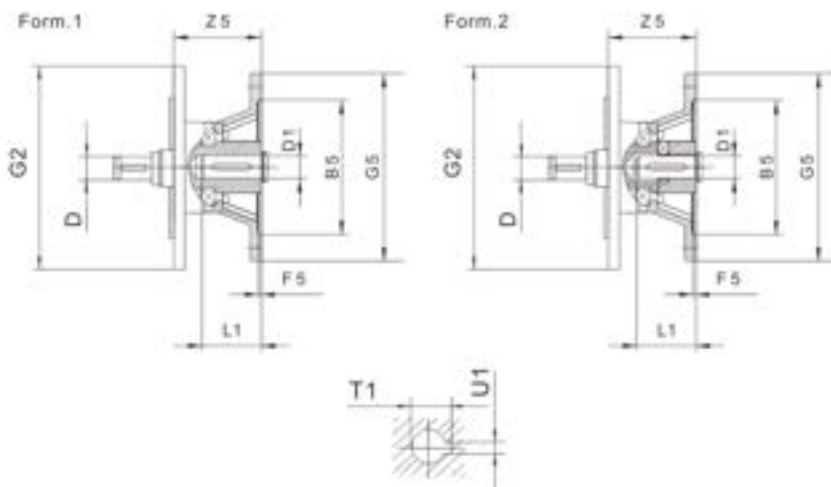


Gear unit type	Motor adccopator	Fig	Form	B5	D	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1	weight kg									
JRTR..99 JRTF..99 JRTK..99 JRTS..99	AM100	1	2	180 G7	16n6	215	5	300	250	M12	126	28H7	60	31.3	8	19									
	AM112				18n6											19									
	AM132S				230 G7											22n6	265	300	M16	231	42H7	110	45.3	12	48.5
	AM132M															32n6					48H7		51.8	14	45
	AM132ML			250 G7	28n6	300			6	350	M16	268	55F7	59.3	16	58									
	AM160				38n6												350	7	400	303	60H7	140	64.4	18	62
	AM180				32n6												350	7	450	60H7	140	64.4	18	62	
	AM200				38n6												400	6	450	60H7	140	64.4	18	62	
	AM225 ¹⁾	2	2	350 G7	38n6	400	6	450	60H7	140	64.4	18	62												
JRTR...109 JRTF...109 JRTK...109	AM100	1	2	180 G7	16n6	215	5	350	250	M12	120	28H7	60	31.3	8	22									
	AM112				18n6											22									
	AM132S				230 G7											22n6	265	300	M16	225	42H7	110	45.3	12	52.8
	AM132M															32n6					48H7		51.8	14	55.8
	AM132ML			250 G7	28n6	300			6	350	M16	262	55F7	59.3	16	66									
	AM160				38n6												350	7	400	297	60H7	140	64.4	18	67
	AM180				32n6												350	7	450	60H7	140	64.4	18	67	
	AM200				38n6												400	6	450	60H7	140	64.4	18	67	
	AM225	2	2	350 G7	38n6	400	6	450	60H7	140	64.4	18	67												
JRTR...139	AM132S	1	2	230 G7	22n6	265	5	400	300	M12	173	38H7	80	41.3	10	48.2									
	AM132M				28n6											48.2									
	AM132ML				28n6											48.2									
	AM160			250 G7	28n6	300			6	350	M16	218	42H7	110	45.3	12	64.2								
	AM180				32n6								48H7		51.8	14	61								
	AM200			1	300 G7	38n6			350	7		400	255	55F7	59.3	16	71								
	AM225	2	2	350 G7	38n6	400	6	450	290	60H7		140	64.4	18	68										

Fig.1



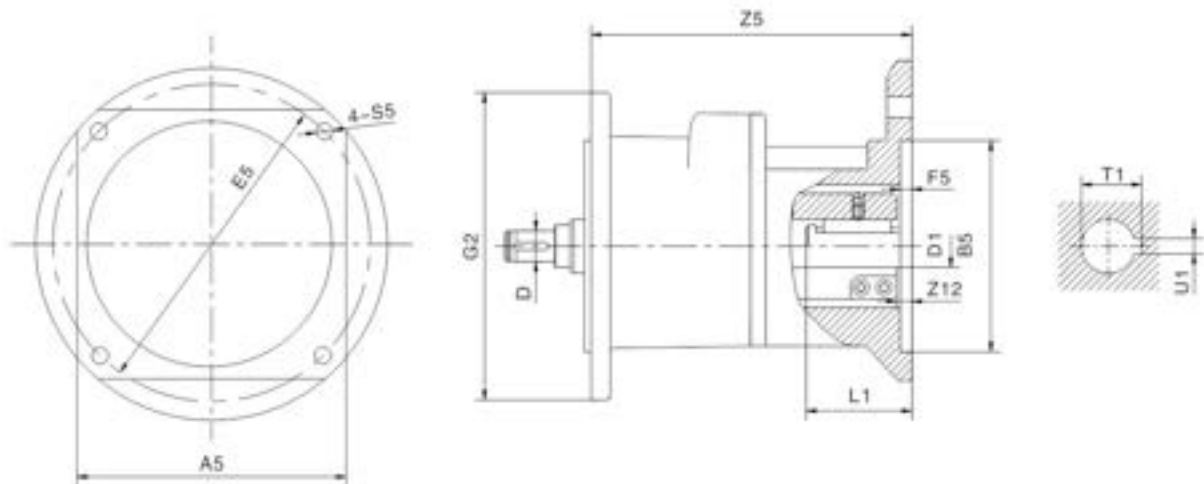
Fig.2



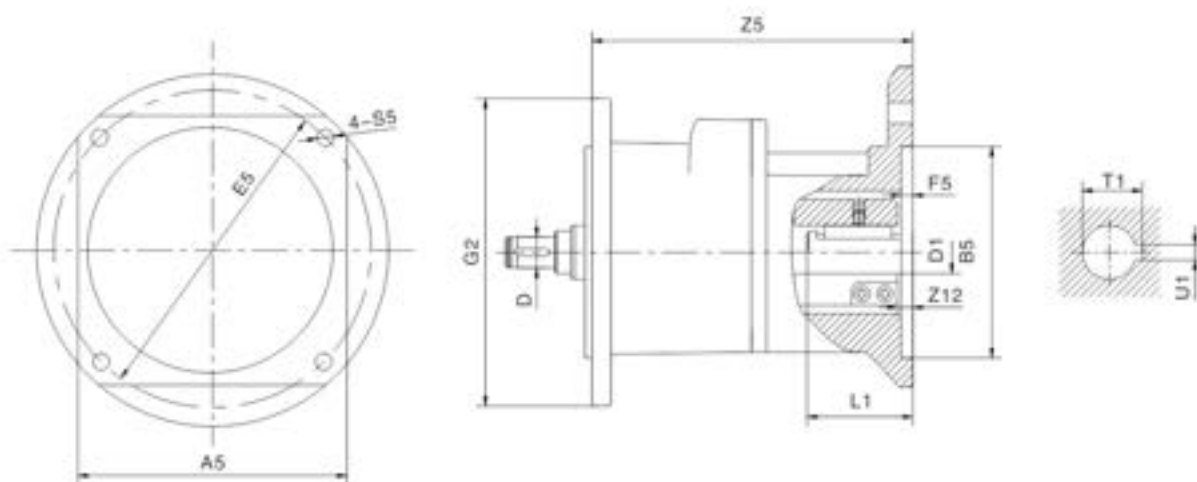
Gear unit type	Motor adaptor	Fig.	Form	B5	D	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1	weight kg
JRTR...149 JRTF...129 JRTK...129	AM132S	1	2	230G7	22n6	265	5	450	300	M12	165	38H7	80	41.3	10	58.3
	AM132M				28n6											58.3
	AM132ML			250G7	28n6	300	6		350	M16	210	42H7	110	45.3	12	71.3
	AM160				32n6							48H7		51.8	14	68
	AM180	2	2	300G7	38n6	350	7		400	M16	247	55F7	140	59.3	16	85.8
	AM200				38n6	400						60H7		64.4	18	78
	AM225			450G7	48n6	500			450		336	65H7	75H7	69.4	20	119.5
	AM250				79.9	119.7										
JRTR...169 JRTF...159 JRTK...159 JRTK...169 JRTK...189	AM132	1	2	230G7	32n6	265	5	550	300	M12	165	38H7	80	41.3	10	70
	AM160				28n6											88.4
	AM180			250G7	32n6	300	6		350	M16	202	42H7	110	45.3	12	88.4
	AM200				48H7							51.8		14	86	
	AM225	2	2	300G7	38n6	350	7		400		239	55F7	140	59.3	16	102.9
	AM250				38n6	400						60H7		64.4	18	95
	AM280			450G7	48n6	500			450	328	65H7	75H7	69.4	20	130	
	AM280				79.9	138										

Dimension 1/2 G5 may protrude past foot mounting surface if mounted on R.K or S foot-mounted gear unit, Please check.

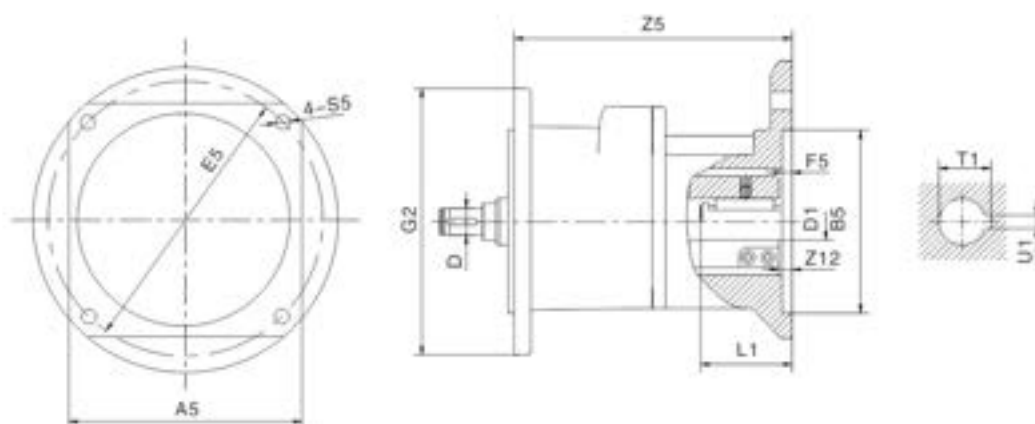
5. Adapter for mounting of servomotors



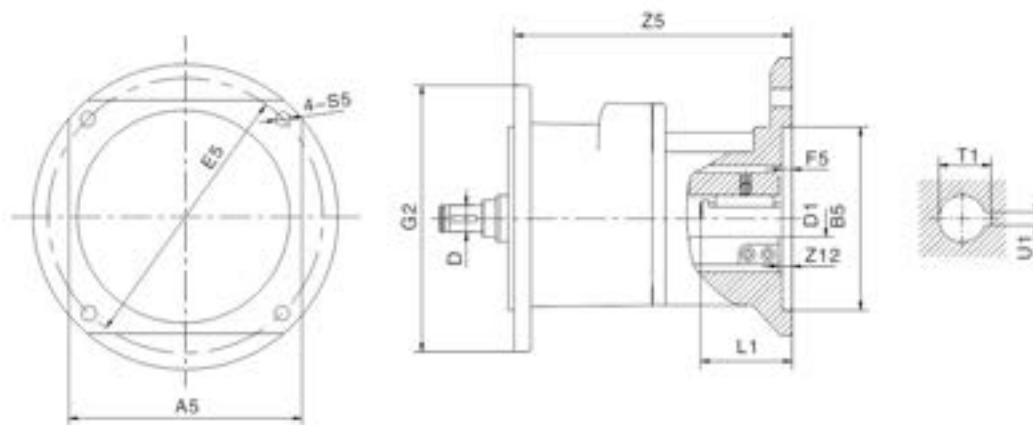
Gear unit type	Motor adaptor	A5	B5	D	E5	F5	G2	Z12	S5	D1	L1	T1	U1	Z5	weight kg
JRTR...29 JRTR...39 JRTRF...39 JRTRF...49 JRTRK...39 JRTR...39 JRTR...49 JRTR...59 AQS120/1 AQS120/2 AQS130/1 AQS130/2 AQS130/3 AQS130/4 AQS140/1 AQS140/2 AQS140/3	AQS80/1	□82	Φ60G7	Φ10 Φ12 Φ14 Φ16	Φ75 Φ95 Φ90	5	Φ120	6	Φ7	Φ11F7	40	12.8	4	127.5	2.6
	AQS80/2									16.3					
	AQS80/3		Φ50G7									16.3	5		
	AQS80/4									16.3					
	AQS80/5		Φ70G7									18.3			
	AQS80/6									21.8		6			
	AQS100/1	□100	Φ80G7	Φ10 Φ12 Φ14 Φ16	Φ100 Φ115	6		7	Φ7	Φ14F7	45	16.3	5	138.5	4.1
	AQS100/2									21.8		6			
	AQS100/3									16.3		5			
	AQS100/4		Φ95G7									21.8	6		
	AQS100/5									22.8		6			
	AQS100/6									25.3		8			
	AQS115/1	□115	Φ95G7	Φ10 Φ12 Φ14 Φ16	Φ130	6		7	Φ9	Φ19F7	50	21.8	6	162.5	6.2
	AQS115/2		Φ110G7												
	AQS115/3									27.3		8			
	AQS120/1	□120	Φ110G7	Φ12 Φ14 Φ16	Φ145	6		7	Φ9	Φ16F7	40	18.3	5	162.5	6.4
	AQS120/2									21.8		6			
	AQS130/1	□130	Φ110G7	Φ14 Φ16	Φ145	7		8	Φ9	Φ28F7	55	31.3	8	172.5	7
	AQS130/2									Φ24F7		27.3			
	AQS130/3											25.3			
	AQS130/4									Φ22F7		24.8			
	AQS140/1	□140	Φ110G7	Φ14 Φ16	Φ165	7		8	Φ11	Φ24F7	60	27.3	8	172.5	8.5
	AQS140/2		Φ130G7												
	AQS140/3									Φ32F7		35.3	10		



Gear unit type	Motor adaptor	A5	B5	D	E5	F5	G2	Z12	S5	D1	L1	T1	U1	Z5	weight kg					
JRTR..49	AQS80/1	□82	Φ60G7	Φ10 Φ12 Φ14 Φ16	Φ75 Φ95 Φ90	5	Φ160	6	Φ7	Φ11F7	40	12.8	4	122	3.6					
	AQS80/2									16.3										
	AQS80/3		Φ50G7							Φ14F7		16.3	5							
	AQS80/4									16.3										
	AQS80/5		Φ70G7							Φ16F7		18.3								
	AQS80/6									Φ19F7		21.8	6							
JRTR..59	AQS100/1	□100	Φ80G7	Φ10 Φ12 Φ14 Φ16	Φ100 Φ115	6	Φ160	7	Φ7	45	16.3	5	133	5.7						
JRTR..69	AQS100/2								Φ19F7		21.8	6								
JRTR..69	AQS100/3		Φ95G7								Φ14F7	16.3			5					
JRTF..59	AQS100/4										Φ19F7	21.8			6					
JRTF..69	AQS100/5										Φ20F7	22.8			6					
JRTK..49	AQS100/6										Φ22F7	25.3			8					
JRTK..59	AQS115/1	□115	Φ95G7	Φ10 Φ12 Φ14 Φ16	Φ130	6	Φ160	7	Φ9	50	21.8	6	157	8.5						
JRTK..69	AQS115/2		Φ110G7								27.3	8								
JRTS..69	AQS115/3								Φ24F7											
JRTRX..59	AQS120/1	□120	Φ110G7	Φ12 Φ14 Φ16 Φ18	Φ145	6	Φ160	7	Φ9	40	18.3	5	157	8.7						
JRTRX..69	AQS120/2								Φ19F7		21.8	6								
JRTRX..59	AQS130/1	□130	Φ110G7	Φ14 Φ16 Φ18	Φ145	7	Φ160	8	Φ9	55	31.3	8	167	9.3						
	AQS130/2								Φ24F7		27.3									
	AQS130/3										25.3									
	AQS130/4								Φ22F7		24.8	6								
JRTRX..59	AQS140/1	□140	Φ110G7	Φ14 Φ16 Φ18	Φ165	7	Φ160	8	Φ11	60	27.3	8	167	9.8						
	AQS140/2		Φ130G7																	
	AQS140/3								Φ32F7		35.3	10								

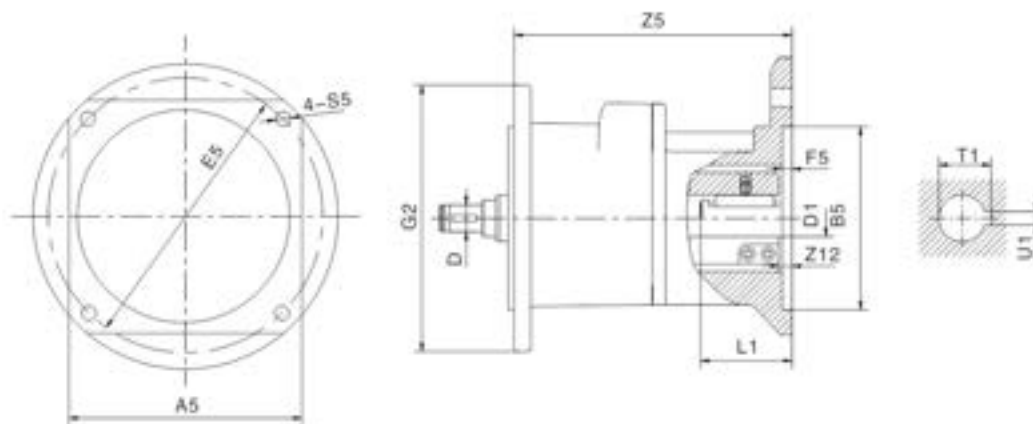


Gear unit type	Motor adpcator	A5	B5	D	E5	F5	G2	Z12	S5	D1	L1	T1	U1	Z5	weight kg			
JRTR_89 JRTRF_89 JRTRK_89 JRTRS_89 JRTRX_89	AQS80/1	□82	Φ60G7	Φ12	Φ75	5	Φ250	6	Φ7	Φ11F7	40	12.8	4	109	6.9			
	AQS80/2		Φ50G7							Φ14		Φ95	Φ16F7			16.3		
	AQS80/3			Φ70G7	Φ16											Φ90	Φ19F7	16.3
	AQS80/4																	16.3
	AQS80/5			18.3														
	AQS80/6		21.8	6														
	AQS100/1	□100	Φ80G7	Φ12	Φ100	6		7	Φ9	Φ14F7	45	16.3	5	120	9			
	AQS100/2		Φ95G7							Φ14		Φ115	Φ19F7			21.8	6	
	AQS100/3			Φ14F7	Φ19F7											16.3	5	
	AQS100/4															21.8	6	
	AQS100/5			22.8	6													
	AQS100/6		25.3	8														
	AQS115/1	□115	Φ95G7	Φ12 Φ14 Φ16 Φ18	Φ130	6		7	Φ9	Φ19F7	50	21.8	6	144	11.7			
	AQS115/2		Φ110G7							Φ14F7		27.3	8					
	AQS115/3																	
	AQS120/1	□120	Φ110G7	Φ12 Φ14 Φ16 Φ18	Φ145	6		7	Φ9	Φ16F7	40	18.3	5	144	11.9			
	AQS120/2									Φ19F7		21.8	6					
	AQS130/1	□130	Φ110G7	Φ14 Φ16 Φ18 Φ22	Φ145	7		8	Φ9	Φ28F7	55	31.3	8	154	12.5			
	AQS130/2									Φ24F7		27.3						
	AQS130/3									Φ22F7		25.3						
	AQS130/4											24.8	6					
	AQS140/1	□140	Φ110G7	Φ14 Φ16 Φ18 Φ22	Φ165	7		8	Φ11	Φ24F7	60	27.3	8	154	13			
	AQS140/2		Φ130G7							Φ32F7		35.3	10					
	AQS140/3																	
	AQS180/1	□180	Φ114.3G7	Φ18 Φ22 Φ28	Φ200	7		8	Φ13.5	Φ35F7	80	38.3	10	220	23.3			
	AQS180/2									Φ42F7	110	45.3	12	260	24.7			
	AQS190/1	□190	Φ130G7	Φ18 Φ22 Φ28	Φ215	7		8	Φ13.5	Φ32F7	60	35.3	10	220	23.5			
	AQS190/2		Φ180G7							Φ38F7	80	41.3						
	AQS190/3																	
	AQS220/1	□220	Φ200G7	Φ18 Φ22 Φ28 Φ32	Φ235	7		8	Φ13.5	Φ28F7	55	31.3	8	220	25.2			
	AQS220/2									Φ32F7	65	35.3	10					
	AQS220/3									Φ42F7	120	45.3	12			260	26.7	
	AQS260/1	□260	Φ250G7	Φ22 Φ32	Φ28 Φ300	7	8	Φ17.5	Φ42F7	110	45.3	12	260	29.8				



Gear unit type	Motor adaptor	A5	B5	D	E5	F5	G2	Z12	S5	D1	L1	T1	U1	Z5	weight kg								
JRTR...79 JRTF...79 JRTK...79 JRTR...79	AQS80/1	□82	Φ60G7	Φ10	Φ75	5	Φ200	6	Φ7	Φ11F7	40	12.8	4	114	5.1								
	AQS80/2		Φ50G7		Φ12					Φ95		Φ14F7	16.3			5							
	AQS80/3			Φ70G7									Φ14				Φ90	Φ16F7	16.3				
	AQS80/4		Φ80G7		Φ10					Φ100		Φ19F7				18.3			6				
	AQS80/5			Φ95G7									Φ12			Φ115	Φ20F7	21.8					
	AQS80/6		Φ14		Φ16					Φ115		Φ22F7						25.3					
	AQS100/1	□100		Φ95G7		Φ12		Φ130	6		7		Φ9	Φ14F7	45	16.3	5	125	7.3				
	AQS100/2		Φ14		Φ16					Φ18		Φ19F7				21.8	6						
	AQS100/3															Φ14	Φ16			Φ18	Φ20F7	16.3	5
	AQS100/4		Φ14		Φ16					Φ18		Φ22F7										21.8	6
	AQS100/5															Φ14	Φ16			Φ18	Φ22F7	22.8	6
	AQS100/6		Φ14		Φ16					Φ18		Φ22F7										25.3	8
	AQS115/1	□115		Φ110G7		Φ12		Φ130	6		7		Φ9	Φ19F7	50	21.8	6	149	9.6				
	AQS115/2		Φ14		Φ16					Φ18		Φ24F7				27.3	8						
	AQS115/3															Φ14	Φ16			Φ18	Φ24F7	27.3	8
	AQS120/1	□120	Φ110G7	Φ12	Φ145	6		7	Φ9	Φ16F7	40	18.3	5	149	9.8								
	AQS120/2											Φ14	Φ16			Φ18	Φ19F7	21.8	6				
	AQS130/1	□130	Φ110G7	Φ14	Φ145	7		8	Φ9	Φ28F7	55			31.3	8			159	10.4				
	AQS130/2											Φ16	Φ18	Φ22		Φ24F7	27.3						
	AQS130/3																Φ16			Φ18	Φ22	Φ24F7	25.3
	AQS130/4											Φ16	Φ18	Φ22		Φ24F7							24.8
	AQS140/1	□140	Φ110G7	Φ14	Φ165	7		8	Φ11	Φ24F7	60				27.3		8	159	10.9				
	AQS140/2											Φ130G7	Φ16	Φ18	Φ22	Φ32F7	35.3			10			
	AQS140/3																Φ130G7			Φ16	Φ18	Φ22	Φ32F7
	AQS180/1	□180	Φ114.3G7	Φ18	Φ200	7		8	Φ13.5	Φ35F7	80	38.3	10	225	20.8								
	AQS180/2										Φ22	Φ28	Φ200	7	8	Φ13.5	Φ42F7	110	45.3	12	265	22.2	
	AQS190/1	□190	Φ130G7	Φ18	Φ215	7		8	Φ13.5	Φ32F7								60	35.3	10	225	21	
	AQS190/2										Φ180G7	Φ22	Φ28	Φ215	7	8	Φ13.5	Φ38F7	80				41.3
	AQS190/3																		Φ180G7				Φ22
	AQS220/1	□220	Φ200G7	Φ18	Φ235	7		8	Φ13.5	Φ28F7	55	31.3	8	225	22.7								
	AQS220/2										Φ22	Φ28				Φ235	7	8	Φ13.5	Φ32F7	65	35.3	10
	AQS220/3																				Φ22	Φ28	
	AQS260/1	□260	Φ250G7	Φ22	Φ300	7		8	Φ17.5	Φ42F7	110	45.3	12	265	27.3								

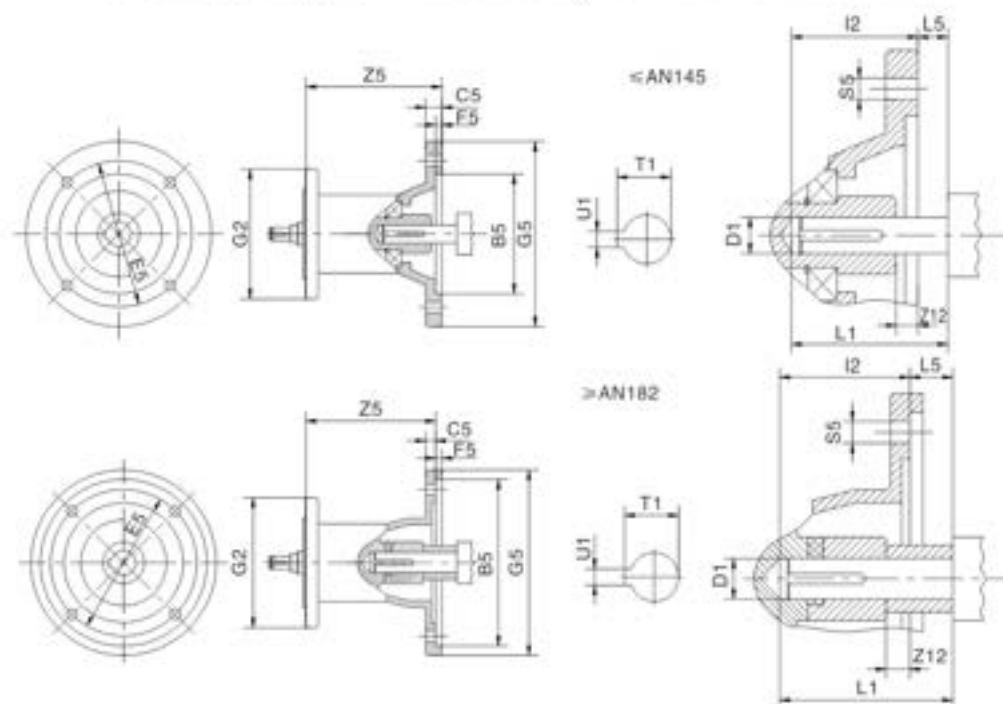




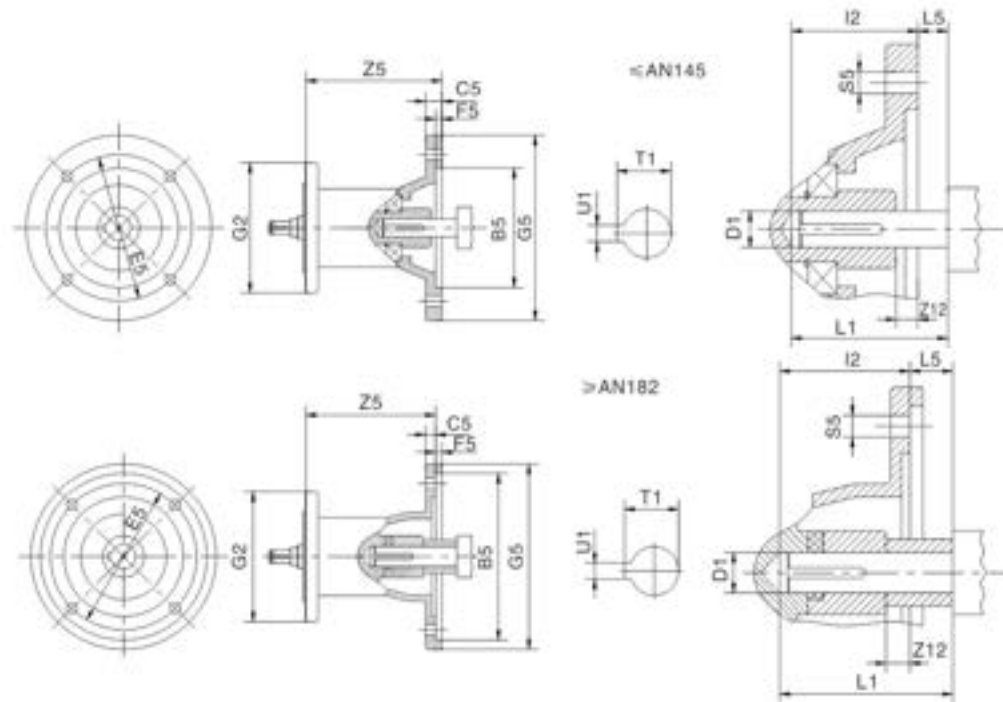
Gear unit type	Motor adcopator	A5	B5	D	E5	F5	G2	Z12	S5	D1	L1	T1	U1	Z5	weight kg		
JRTR...99	AQS115/1	□115	Φ95G7	Φ14 Φ16 Φ18	Φ130	6	Φ300	7	Φ9	Φ19F7	50	21.8	6	139	13.9		
	AQS115/2		Φ110G7							Φ24F7		27.3	8				
	AQS115/3									Φ16F7	18.3	5	139			14.1	
	AQS120/1	□120	Φ110G7	Φ16 Φ18	Φ145	6		7	Φ9	Φ19F7	21.8	6					
	AQS120/2									Φ28F7	31.3	8	149	14.7			
	AQS130/1	□130	Φ110G7	Φ16 Φ18 Φ22	Φ145	7		8	Φ9	Φ24F7	27.3						
	AQS130/2									Φ22F7	25.3						
	AQS130/3									24.8	6						
	AQS130/4																
	AQS140/1	□140	Φ110G7	Φ16 Φ18 Φ22	Φ165	7		8	Φ11	Φ24F7	60	27.3	8	149	15.2		
	AQS140/2		Φ130G7							Φ32F7	35.3	10					
	AQS140/3																
	JRTF...99	AQS180/1	□180	Φ114.3G7	Φ18 Φ22 Φ28	Φ200		7	Φ300	8	Φ13.5	Φ35F7	80	38.3	10	215	33.7
	JRTK...99	AQS180/2										Φ42F7	110	45.3	12	255	35.1
	JRTS...99	AQS190/1	□190	Φ130G7	Φ18 Φ22 Φ28	Φ215		7		8	Φ13.5	Φ32F7	60	35.3	10	215	33.9
	JRTRX...99	AQS190/2		Φ180G7								Φ38F7	80	41.3			
		AQS190/3															
		AQS220/1	□220	Φ200G7	Φ18 Φ22 Φ28 Φ32	Φ235		7		8	Φ13.5	Φ28F7	55	31.3	8	215	35.6
		AQS220/2										Φ32F7	65	35.3	10		
		AQS220/3										Φ42F7	120	45.3	12	255	37.1
		AQS260/1	□260	Φ250G7	Φ22 Φ28 Φ32	Φ300		7			8	Φ17.5	Φ42F7	110	45.3	12	255



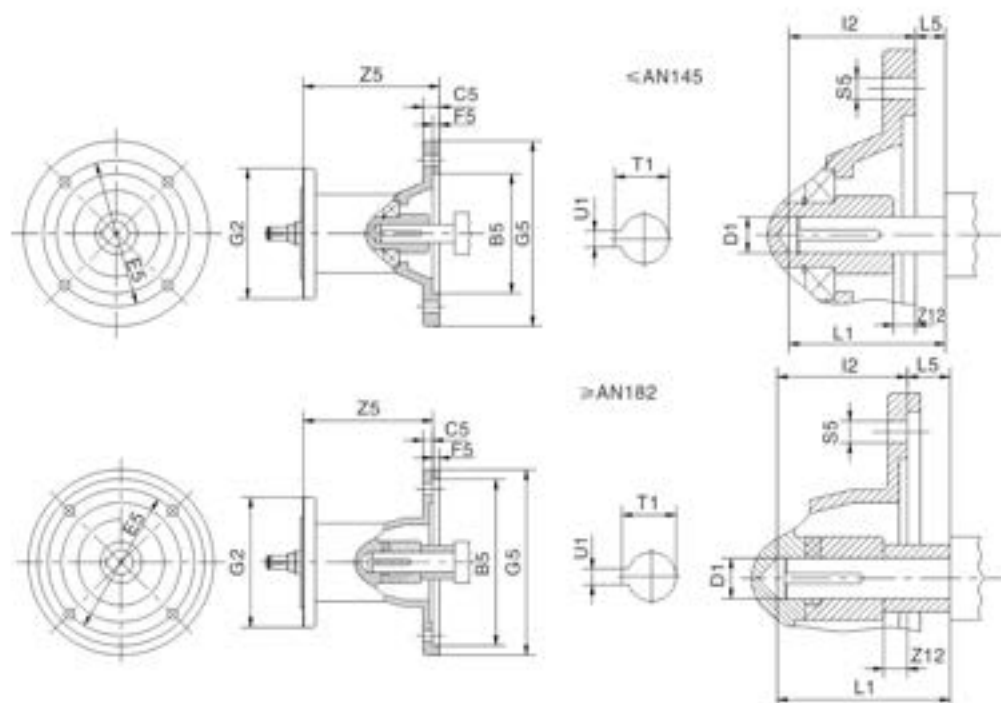
6. Coupling for mounting of NEMA motors



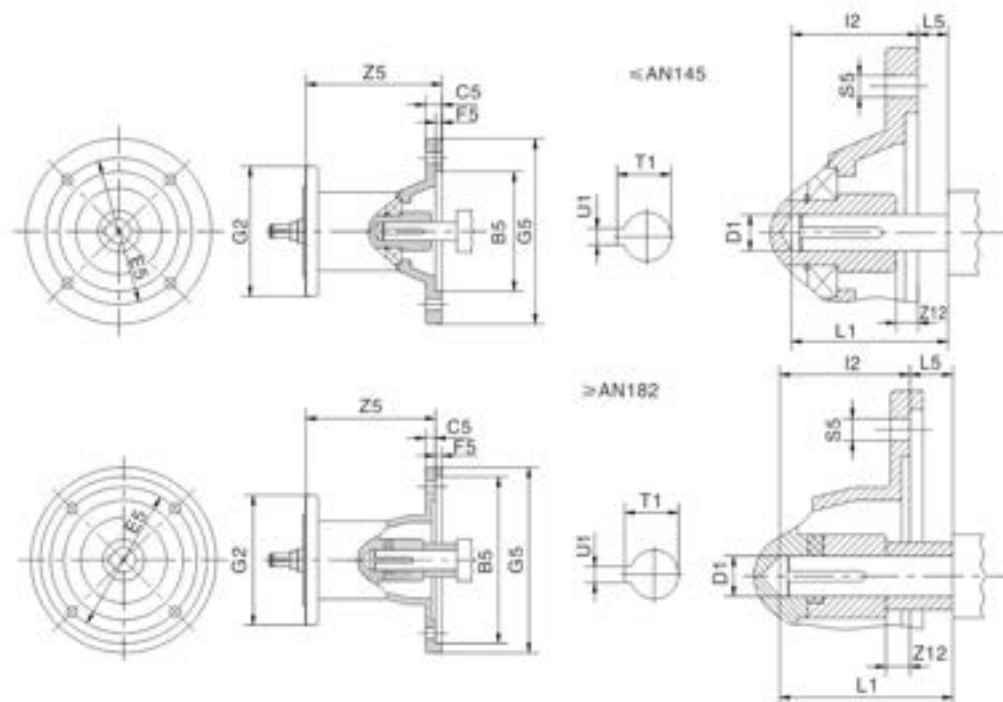
Gear unit type	Motor adaptor	B5 inch	C5 mm	E5 inch	F5 mm	G2 mm	G5 mm	I2 mm	L5 inch	S5 mm	Z5 mm	Z12 mm	D1 inch	L1 inch	T1 inch	U1 inch	weight kg
R..29	AN56	4.50	11	5.875	4.5	120	170	53	-0.19	10.5	92.5	4.8	0.625	1.90	0.71	0.188	5
R..39	AN143		12					60.2	0.12		116	5.5	0.875	2.49	0.98		5.9
	AN145		11					53	-0.19		87	4.8	0.625	1.90	0.71		5.6
R..49	AN143	4.50	12	5.875	4.5	160	170	60.2	0.12	10.5	110.5	5.5	0.875	2.49	0.98	0.188	8
R..59	AN145		11					53	-0.19		87	4.8	0.625	1.90	0.71		8
R..69	AN182		10					69.5	0.12		142.5	13.5	1.125	2.85	1.24		10.8
	AN184	8.50	11	7.25	5	200	228	82.5	0.25	15	164.5	9.5	1.375	3.65	1.52	0.312	10.8
	AN213		11					53	-0.19		79	4.8	0.625	1.90	0.71		15.7
	AN214		11					86.5	0.25		178.5	9.5	1.375	3.65	1.52		8.4
R..79	AN143	4.50	12	5.875	4.5	250	170	60.2	0.12	10.5	102.5	5.5	0.875	2.49	0.98	0.188	9.6
	AN145		11					53	-0.19		87	4.8	0.625	1.90	0.71		9.6
	AN182		10					69.5	0.12		134.5	13.5	1.125	2.85	1.24		12.3
	AN184	8.50	11	7.25	5	300	228	86.5	0.25	15	183.5	9.5	1.375	3.65	1.52	0.312	12.3
	AN213		11					53	-0.19		79	4.8	0.625	1.90	0.71		22.8
	AN214		11					86.5	0.25		178.5	9.5	1.375	3.65	1.52		15.8
R..89	AN143	4.50	12	5.875	4.5	350	170	60.2	0.12	10.5	97.5	5.5	0.875	2.49	0.98	0.188	15.8
	AN145		11					53	-0.19		87	4.8	0.625	1.90	0.71		15.8
	AN182		10					69.5	0.12		129.5	13.5	1.125	2.85	1.24		18.6
	AN184	8.50	11	7.25	5	400	228	86.5	0.25	15	178.5	9.5	1.375	3.65	1.52	0.312	18.6
	AN213		11					53	-0.19		79	4.8	0.625	1.90	0.71		25.4
	AN214		11					86.5	0.25		178.5	9.5	1.375	3.65	1.52		31.7
R..99	AN284	10.50	15	9.00	5	450	286	117	0.25	15	236	4.5	1.875	4.85	2.10	0.375	38.6
	AN324		17					134.5	0.25		291	28.5	2.125	5.57	2.36		69.4
	AN364		17					146.5	0.25		291	28.5	2.375	6.02	2.66		69.4
R..109	AN182	8.50	10	7.25	5	500	228	69.5	0.12	15	124.5	13.5	1.125	2.85	1.24	0.25	18.7
	AN184		11					86.5	0.25		173.5	9.5	1.375	3.65	1.52		30.7
	AN213		11					53	-0.19		79	4.8	0.625	1.90	0.71		39.7
	AN214	10.50	15	9.00	5	550	286	117	0.25	15	231	4.5	1.875	4.85	2.10	0.375	46.6
	AN284		15					134.5	0.25		291	28.5	2.125	5.57	2.36		69.4
	AN324		17					146.5	0.25		291	28.5	2.375	6.02	2.66		69.4
R..139	AN182	8.50	10	7.25	5	600	228	69.5	0.12	15	118.5	13.5	1.125	2.85	1.24	0.25	21.7
	AN184		11					86.5	0.25		167.5	9.5	1.375	3.65	1.52		31.6
	AN213		11					53	-0.19		79	4.8	0.625	1.90	0.71		43.8
	AN214	10.50	15	9.00	5	650	286	117	0.25	15	225	4.5	1.875	4.85	2.10	0.375	50.7
	AN284		15					134.5	0.25		285	28.5	2.125	5.57	2.36		74.5
	AN324		17					146.5	0.25		285	28.5	2.375	6.02	2.66		74.5
R..149	AN182	8.50	10	7.25	5	700	228	69.5	0.12	15	160.5	9.5	1.375	3.65	1.52	0.312	45.5
	AN184		11					86.5	0.25		173.5	9.5	1.375	3.65	1.52		54.9
	AN213		11					53	-0.19		79	4.8	0.625	1.90	0.71		61.8
	AN214	10.50	15	9.00	5	750	286	117	0.25	15	211	4.5	1.875	4.85	2.10	0.375	78.5
	AN284		15					134.5	0.25		278	28.5	2.125	5.57	2.36		78.5
	AN324		17					146.5	0.25		278	28.5	2.375	6.02	2.66		78.5
R..169	AN182	8.50	10	7.25	5	850	228	69.5	0.12	15	152.5	9.5	1.375	3.65	1.52	0.312	56.4
	AN184		11					86.5	0.25		167.5	9.5	1.375	3.65	1.52		62
	AN213		11					53	-0.19		79	4.8	0.625	1.90	0.71		69
	AN214	10.50	15	9.00	5	900	286	117	0.25	15	203	4.5	1.875	4.85	2.10	0.375	85.7
	AN284		15					134.5	0.25		270	28.5	2.125	5.57	2.36		86
	AN324		17					146.5	0.25		270	28.5	2.375	6.02	2.66		86
	AN364	12.50	17	11.00	5	1000	356	134.5	0.25	17.5	262	28.5	2.125	5.57	2.36	0.625	103.1
	AN324		17					146.5	0.25		262	28.5	2.375	6.02	2.66		103.1
	AN364		17					146.5	0.25		262	28.5	2.375	6.02	2.66		103.1



Gear unit type	Motor adaptor	B5 inch	C5 mm	E5 inch	F5 mm	G2 mm	G5 mm	L2 mm	L5 inch	S5 mm	Z5 mm	Z12 mm	D1 inch	L1 inch	T1 inch	U1 inch	weight kg
F...39 F...49	AN56	4.50	11	5.875	4.5	120	170	53	-0.19	10.5	92.5	4.8	0.625	1.90	0.71	0.188	5
	AN143		12					60.2	0.12		116	5.5	0.875	2.49	0.98		5.9
	AN145		12					53	-0.19		87	4.8	0.625	1.90	0.71		5.9
F...59 F...69	AN56	4.50	11	5.875	4.5	160	170	53	-0.19	10.5	87	4.8	0.625	1.90	0.71	0.188	5.6
	AN143		12					60.2	0.12		110.5	5.5	0.875	2.49	0.98		5.9
	AN145		12					53	-0.19		142.5	13.5	1.125	2.85	1.24		8
F...79	AN182	8.50	10	7.25	5	228	228	69.5	0.12	15	164.5	9.5	1.375	3.50	1.52	0.25	10.8
	AN184		11					82.5	0.25		164.5	9.5	1.375	3.50	1.52		10.8
	AN213		11					53	-0.19		79	4.8	0.625	1.90	0.71		15.7
F...89	AN56	4.50	11	5.875	4.5	200	170	53	-0.19	10.5	92.5	4.8	0.625	1.90	0.71	0.188	8.4
	AN143		12					60.2	0.12		102.5	5.5	0.875	2.49	0.98		9.6
	AN145		12					53	-0.19		102.5	5.5	0.875	2.49	0.98		9.6
F...89	AN182	8.50	10	7.25	5	250	228	69.5	0.12	15	134.5	13.5	1.125	2.85	1.24	0.25	12.3
	AN184		11					86.5	0.25		183.5	9.5	1.375	3.65	1.52		12.3
	AN213		11					86.5	0.25		178.5	9.5	1.375	3.65	1.52		22.8
F...89	AN254	10.50	14	9.00	5	286	286	110	0.25	15	229	2.5	1.625	4.58	1.80	0.312	15.8
	AN284		15					117	0.25		236	4.5	1.875	4.85	2.10		15.8
	AN364		17					134.5	0.25		291	28.5	2.125	5.57	2.36		18.6
F...99	AN182	8.50	10	7.25	5	300	228	69.5	0.12	15	124.5	13.5	1.125	2.85	1.24	0.25	18.7
	AN184		11					86.5	0.25		173.5	9.5	1.375	3.65	1.52		18.7
	AN213		11					86.5	0.25		173.5	9.5	1.375	3.65	1.52		30.7
F...109	AN254	10.50	14	9.00	5	350	286	110	0.25	15	224	2.5	1.625	4.58	1.80	0.312	39.7
	AN284		15					117	0.25		231	4.5	1.875	4.85	2.10		39.7
	AN324		17					134.5	0.25		291	28.5	2.125	5.57	2.36		46.6
F...109	AN364	12.50	17	11.00	5	450	356	146.5	0.25	17.5	285	28.5	2.375	6.02	2.66	0.625	69.4
	AN182		10					69.5	0.12		118.5	13.5	1.125	2.85	1.24		69.6
	AN184		11					86.5	0.25		167.5	9.5	1.375	3.65	1.52		21.7
F...129	AN213	8.50	11	7.25	5	550	228	86.5	0.25	15	152.5	9.5	1.375	3.65	1.52	0.312	21.7
	AN254		14					110	0.25		218	2.5	1.625	4.58	1.80		21.7
	AN284		15					117	0.25		218	2.5	1.625	4.58	1.80		31.6
F...129	AN324	10.50	15	9.00	5	550	286	117	0.25	15	225	4.5	1.875	4.85	2.10	0.375	43.8
	AN364		17					134.5	0.25		285	28.5	2.125	5.57	2.36		50.7
	AN364		17					146.5	0.25		285	28.5	2.375	6.02	2.66		74.5
F...159	AN213	8.50	11	7.25	5	550	228	86.5	0.25	15	152.5	9.5	1.375	3.65	1.52	0.312	74.7
	AN254		14					110	0.25		203	2.5	1.625	4.58	1.80		45.5
	AN284		15					117	0.25		203	2.5	1.625	4.58	1.80		54.9
F...159	AN324	10.50	15	9.00	5	550	286	117	0.25	15	210	4.5	1.875	4.85	2.10	0.375	61.8
	AN364		17					134.5	0.25		270	28.5	2.125	5.57	2.36		78.5
	AN364		17					146.5	0.25		270	28.5	2.375	6.02	2.66		78.7
F...159	AN213	8.50	11	7.25	5	550	228	86.5	0.25	15	152.5	9.5	1.375	3.65	1.52	0.312	79.1
	AN254		14					110	0.25		195	2.5	1.625	4.58	1.80		79.1
	AN284		15					117	0.25		202	4.5	1.875	4.85	2.10		86.1
F...159	AN324	12.50	17	11.00	5	550	356	134.5	0.25	17.5	262	28.5	2.125	5.57	2.36	0.625	102.8
	AN364		17					146.5	0.25		262	28.5	2.375	6.02	2.66		103.1
	AN364		17					146.5	0.25		262	28.5	2.375	6.02	2.66		103.1



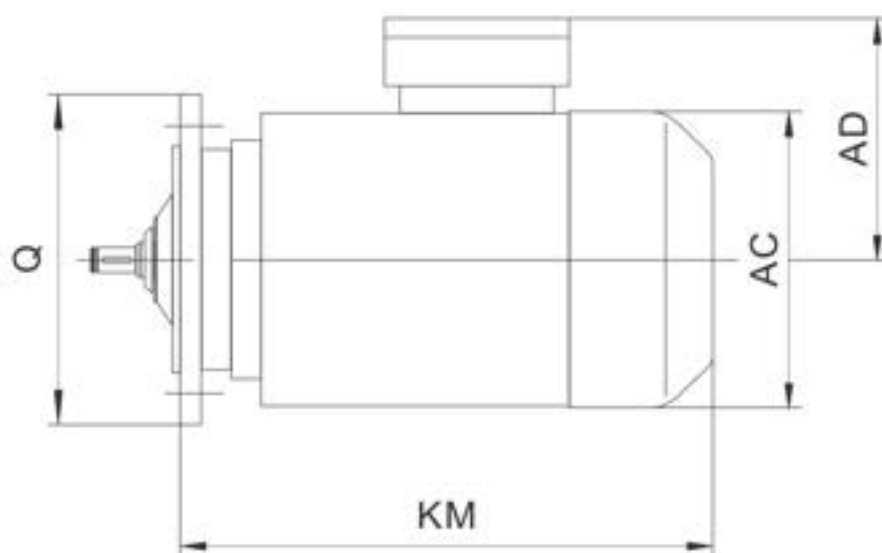
Motor adaptor	B5	C5	E5	F5	G2	G5	I2	L5	S5	Z5	Z12	D1	L1	T1	U1	weight
inch	mm	inch	mm	mm	mm	mm	mm	inch	mm	mm	mm	inch	inch	inch	inch	kg
K..39	4.50	11	5.875	4.5	120	170	53	-0.19	10.5	92.5	4.8	0.625	1.90	0.71	0.188	5
AN143		12					60.2	0.12		116	5.5	0.875	2.49	0.98		5.9
AN145																5.9
K..49	4.50	11	5.875	4.5	160	170	53	-0.19	10.5	87	4.8	0.625	1.90	0.71	0.188	5.6
AN143		12					60.2	0.12		110.5	5.5	0.875	2.49	0.98		8
AN145																8
AN182	8.50	10	7.25	5		228	69.5	0.12	15	142.5	13.5	1.125	2.85	1.24	0.25	10.8
AN184																10.8
K..59	4.50	11	5.875	4.5	160	170	53	-0.19	10.5	87	4.8	0.625	1.90	0.71	0.188	5.6
AN143		12					60.2	0.12		110.5	5.5	0.875	2.49	0.98		8
AN145																8
AN182	8.50	10	7.25	5		228	69.5	0.12	15	142.5	13.5	1.125	2.85	1.24	0.25	10.8
AN184																10.8
K..69	8.50	11	7.25	5			82.5	0.25		164.5	9.5	1.375	3.50	1.52	0.312	15.7
AN213							53	-0.19		79	4.8	0.625	1.90	0.71		8.4
K..79	4.50	11	5.875	4.5	200	170	53	-0.19	10.5	102.5	5.5	0.875	2.49	0.98	0.188	9.6
AN143		12					60.2	0.12								9.6
AN145																
AN182	8.50	10	7.25	5		228	69.5	0.12	15	134.5	13.5	1.125	2.85	1.24	0.25	12.3
AN184																12.3
AN213							86.5	0.25		183.5	9.5	1.375	3.65	1.52	0.312	22.8
K..89	4.50	11	5.875	4.5	250	170	53	-0.19	10.5	97.5	5.5	0.875	2.49	0.98	0.188	15.8
AN143		12					60.2	0.12								15.8
AN145																
AN182	8.50	10	7.25	5		228	69.5	0.12	15	129.5	13.5	1.125	2.85	1.24	0.25	18.6
AN184																18.6
AN213							86.5	0.25		178.5	9.5	1.375	3.65	1.52	0.312	25.4
AN254	10.50	14	9.00	5			110	0.25		229	2.5	1.625	4.58	1.80	0.375	31.7
K..99	8.50	11	7.25	5	300	286	117	0.25	15	236	4.5	1.875	4.85	2.10	0.5	38.6
AN284																
AN182	8.50	10	7.25	5		228	69.5	0.12	15	124.5	13.5	1.125	2.85	1.24	0.25	18.7
AN184																18.7
AN213							86.5	0.25		173.5	9.5	1.375	3.65	1.52	0.312	30.7
AN254	10.50	14	9.00	5			110	0.25		224	2.5	1.625	4.58	1.80	0.375	39.7
AN284																
AN324	12.50	17	11.00	5		356	134.5	0.25	17.5	291	28.5	2.125	5.57	2.36	0.5	69.4
AN364							146.5					2.375	6.02	2.66	0.625	69.6
K..109	8.50	10	7.25	5	350	228	69.5	0.12	15	118.5	13.5	1.125	2.85	1.24	0.25	21.7
AN182																21.7
AN184																
AN213							86.5	0.25		187.5	9.5	1.375	3.65	1.52	0.312	31.6
AN254	10.50	14	9.00	5			110	0.25		218	2.5	1.625	4.58	1.80	0.375	43.8
AN284																
AN324	12.50	17	11.00	5		356	134.5	0.25	17.5	285	28.5	2.125	5.57	2.36	0.5	74.5
AN364							146.5					2.375	6.02	2.66	0.625	74.7
K..129	8.50	11	7.25	5	450	228	69.5	0.12	15	152.5	9.5	1.375	3.65	1.52	0.312	56.4
AN213																
AN254							110	0.25		203	2.5	1.625	4.58	1.80	0.375	62
AN284	10.50	15	9.00	5												
AN324							117	0.25	15	210	4.5	1.875	4.85	2.10	0.5	69
AN364	12.50	17	11.00	5		356	134.5	0.25	17.5	270	28.5	2.125	5.57	2.36	0.5	85.7
K..159	8.50	14	7.25	5			110	0.25	15	195	2.5	1.625	4.58	1.80	0.375	79.1
K..169	10.50	15	9.00	5			117	0.25	15	202	4.5	1.875	4.85	2.10	0.5	86.1
K..189	12.50	17	11.00	5		356	134.5	0.25	17.5	262	28.5	2.125	5.57	2.36	0.5	102.8
AN364							146.5					2.375	6.02	2.66	0.625	103.1



Gear unit type	Motor adaptor	B5 inch	C5 mm	E5 inch	F5 mm	G2 mm	G5 mm	I2 mm	L5 inch	S5 mm	Z5 mm	Z12 mm	D1 inch	L1 inch	T1 inch	U1 inch	weight kg
S...39	AN56		11					53	-0.19		92.5	4.8	0.625	1.90	0.71		5
S...49	AN143	4.50	12	5.875	4.5	120	170	60.2	0.12	10.5	116	5.5	0.875	2.49	0.98	0.188	5.9
S...59	AN145																5.9
S...69	AN56		11					53	-0.19		87	4.8	0.625	1.90	0.71		5.6
	AN143	4.50	12	5.875	4.5		170	60.2	0.12	10.5	110.5	5.5	0.875	2.49	0.98	0.188	8
	AN145																8
	AN182		10	7.25	5		228	69.5	0.12	15	142.5	13.5	1.125	2.85	1.24	0.25	10.8
	AN184	8.50	11					82.5	0.25		164.5	9.5	1.375	3.50	1.52	0.312	15.7
S...79	AN213		11														8.4
	AN56		11					53	-0.19		79	4.8	0.625	1.90	0.71		9.6
	AN143	4.50	12	5.875	4.5		170	60.2	0.12	10.5	102.5	5.5	0.875	2.49	0.98	0.188	9.6
	AN145																9.6
	AN182		10	7.25	5		228	69.5	0.12	15	134.5	13.5	1.125	2.85	1.24	0.25	12.3
S...89	AN184	8.50	11					86.5	0.25		183.5	9.5	1.375	3.65	1.52	0.312	22.8
	AN213		11														12.3
	AN143	4.50	12	5.875	4.5		170	60.2	0.12	10.5	97.5	5.5	0.875	2.49	0.98	0.188	15.8
	AN145																15.8
	AN182		10	7.25	5		228	69.5	0.12	15	129.5	13.5	1.125	2.85	1.24	0.25	18.6
S...99	AN184	8.50	11					86.5	0.25		178.5	9.5	1.375	3.65	1.52	0.312	18.6
	AN213		11					110	0.25		229	2.5	1.625	4.58	1.80	0.375	25.4
	AN254		14					110	0.25		224	2.5	1.625	4.58	1.80	0.375	31.7
	AN284	10.50	15	9.00	5		286	117	0.25	15	236	4.5	1.875	4.85	2.10	0.5	38.6
	AN182		10	7.25	5		228	69.5	0.12	15	124.5	13.5	1.125	2.85	1.24	0.25	18.7
S...99	AN184	8.50	11					86.5	0.25		173.5	9.5	1.375	3.65	1.52	0.312	18.7
	AN213		11					110	0.25		224	2.5	1.625	4.58	1.80	0.375	30.7
	AN254		14					110	0.25		224	2.5	1.625	4.58	1.80	0.375	39.7
	AN284	10.50	15	9.00	5		286	117	0.25	15	231	4.5	1.875	4.85	2.10	0.5	46.6
	AN324	12.50	17	11.00	5		356	134.5	0.25	17.5	291	28.5	2.125	5.57	2.96	0.5	69.4
	AN364							146.5	0.25				2.375	6.02	2.66	0.625	69.8



7. The size of motor



Motor type	Q mm	KM mm	L1 mm	L2 mm	L3 mm	AD mm	AC mm
DN63	120	198	258	258	336	109	120
	160	192	252	252	330		
DN71	120	228	289	289	346	128	135
	160	221	282	282	339		
	200	214	275	275	332		
	250	209	270	270	327		
	300	204	265	265	322		
DN80	120	279	351	351	407	138	156
	160	272	344	344	400		
	200	265	337	337	393		
	250	260	332	332	388		
	300	255	327	327	383		
	350	250	322	322	378		
DN90S	120	291	369	369	418	149	175
	160	284	362	362	411		
	200	277	355	355	404		
	250	272	350	350	399		
	300	267	345	345	394		
	350	262	340	340	389		
	400	257	335	335	384		
	450	252	330	330	379		
Motor type	Q mm	KM mm	L1 mm	L2 mm	L3 mm	AD mm	AC mm
DN90L	120	351	429	429	478	149	175
	160	344	422	422	471		
	200	337	415	415	464		
	250	332	410	410	459		
	300	327	405	405	454		
	350	320	398	398	447		
DN100	120	368	446	446	495	157	198
	160	359	437	437	486		
	200	352	430	430	479		
	250	347	425	425	474		
	300	342	420	420	469		
	350	336	414	414	463		
	400	331	409	409	458		
DN112	160	392	480	456	538	171	221
	200	383	471	447	529		
	250	378	466	442	524		
	300	373	461	437	519		
	350	367	455	431	513		
	400	360	448	424	506		
	450	354	442	418	500		
	500	348	436	412	494		

Motor type	Q mm	KM mm	L1 mm	L2 mm	L3 mm	AD mm	AC mm	Motor type	Q mm	KM mm	L1 mm	L2 mm	L3 mm	AD mm	AC mm			
DN132S	160	392	480	456	538	171	221	DN180M	400	606	716	646	751	280	355			
	200	383	471	447	529				450	598	708	638	743					
	250	378	466	442	524				550	590	700	630	735					
	300	373	461	437	519			DN180L	250	672	782	712	817	280	355			
	350	367	455	431	513				300	667	777	707	812					
	400	360	448	424	506				350	661	771	701	806					
450	355	443	419	501	400	654	764		694	799								
DN132ML	160	474	562	538	620	228	263	450	646	756	686	791	305	397				
	200	463	551	527	609			550	638	748	678	783						
	250	458	546	522	604			DN200	300	680	804	711			811	305	397	
	300	453	541	517	599				350	674	798	705			805			
	350	447	535	511	593				400	667	791	698			798			
	400	440	528	504	586				450	659	783	690			790			
	450	432	520	496	578				550	651	775	682			782			
DN160M	200	508	618	575	698	251	314	DN225S	300	693	827	751	826	335	445			
	250	503	613	570	693				350	687	821	745	820					
	300	498	608	565	688				400	680	814	738	813					
	350	492	602	559	682				450	672	806	730	805					
	400	485	595	552	675				550	664	789	722	797					
	450	477	587	544	667			DN225M	300	718	852	776	849	335	445			
	550	469	579	536	659				350	712	846	770	843					
DN160L	200	552	662	619	742	251	314	DN250	400	705	839	763	836	370	510			
	250	547	657	614	737				450	697	831	755	828					
	300	542	652	609	732				550	689	823	747	820					
	350	536	646	603	726				DN280	400	793	946	839			992	408	580
	400	529	639	596	719					450	785	938	831			984		
	450	521	631	588	711			550		777	930	823	976					
	450	521	631	588	711			DN315	400	905	1061	950	1108	530	635			
	550	513	623	580	703				450	897	1053	942	1098					
550	513	623	580	703	550	889	1045		934	1090								
DN180M	250	624	734	664	769	280	355	DN355	550	1500	1850	2000	2350	655	710			
	300	619	729	659	764				660	1500	1850	2000	2350					
	350	613	723	653	758													

Notes:

L1 is the KM value for motor with brake.

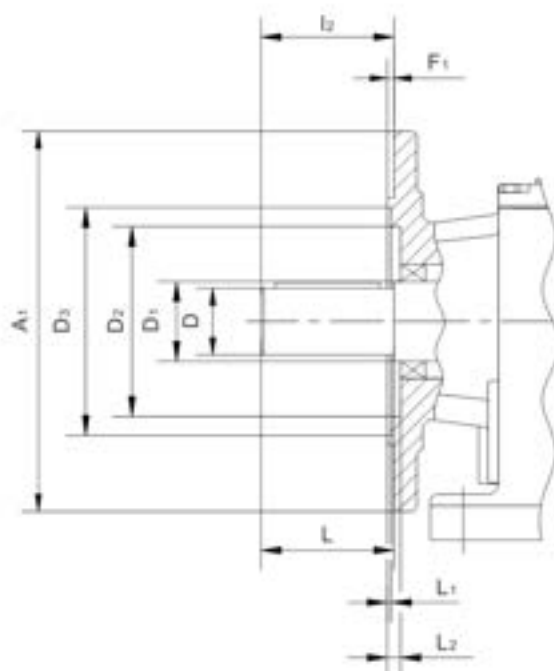
L2 is the KM value for asynchronous motor with frequency.

L3 is the KM value for asynchronous motor with frequency and brake.

If you have any special requirements, please contact us.



8. Flange contours of JRTRF and JRTR..F gear motors



Check dimensions L1 and L2 for selection and installation of output elements

Type	A1	D	D1	D2		D3	F1	I2	L	L1		L2
				RF	R..F					RF	R..F	
JRTRF19,JRTR19F	120	20	25	46	46	65	3	40	40	1	1	5
	140				-	78	3			1	-	5
JRTRF29,JRTR29F	120	25	30	54	54	66	3	50	50	1	1	6
	140				-	79	3			3	-	7
	160				-	92	3.5			3	-	7
JRTRF39,JRTR39F	120	25	35	60	63	70	3	50	50	5	4	7
	160				-	96	3.5			1	-	7.5
	200				-	119	3.5			1	-	7.5
JRTRF49,JRTR49F	140	30	35	72	64	82	3	60	60	4	1	6
	160				-	96	3.5			0.5	-	6.5
	200				-	116	3.5			0.5	-	6.5
JRTRF59,JRTR59F	160	35	40	76	75	96	3.5	70	70	4	2.5	5
	200				-	116	3.5			0	-	5
	250				-	160	4			0.5	-	5.5
JRTRF69,JRTR69F	200	35	50	90	90	118	3.5	70	70	2	4	7
	250				-	160	4			1	-	7.5
JRTRF79,JRTR79F	250	40	52	112	100	160	4	80	80	0.5	2.5	7
	300				-	210	4			0.5	-	7
JRTRF89,JRTR89F	300	50	62	123	122	210	4	100	100	0	1.5	8
	350				-	226	5			1	-	9
JRTRF99	350	60	72	136		236	5	120	120	0		9
	450					320						
JRTRF109	350	70	82	157		232	5	140	140	0		11
	450			186		316						
JRTRF139	450	90	108	180		316	5	170	170	0		10
	550					416						
JRTRF149	450	110	125	210		316	5	210	210	0		10
	550					416						
JRTRF169	550	120	145	290		416	5	210	210	1		10
	660					517	6			2		11

9. JRT Gear motors mounting

Always use bolts quality 8.8 for mounting gear units and geared motors.

Exception

Bolts of quality 10.9 must be used for fastening the flange to the customer-supplied unit in order to transmit the rated torque specified in the catalog. These bolts must be used in case of the following flange-mounted helical geared motors(RF..) and foot/flange-mounted helical geared motors(R..F):

- JRTRF39, JRTR39F with flange ϕ 120mm
- JRTRF49, JRTR49F with flange ϕ 140mm
- JRTRF59, JRTR59F with flange ϕ 160mm

Torque arms for JRTKH169..,JRTKH189..

As standard, there are no torque arms available for gear unit sizes KH169.. and KH189.. Please contact JIE if you require torque arms for these gear units. We will submit The configuration of recommendations.



10.Lubricants

General information

Unless there is a special requirement, JIE always supplies the drives that with lubricant fill specifically for the reducers and mounting position. When ordering a drive, the decisive factor of lubricant fill quantities is the drives mounting position. You must adapt the lubricant fill to any subsequent change made to the mounting position check P 274 for the (Lubricant fill quantities). JIE commend the lubricant oil in P 273. The grade and conglutination index in the following.

Lubricating conglutination

DIN(ISO,SAE) Normal lubricating	conglutination index	Ambient temperature	Gear unit type
Mineral oil CLP(CC)	ISOVG220	-10—+40	JRTR, JRTF JRTK
	ISOVG680	0—+40	JRTS

The special lubricate oil must be used in special situation. For example requesting use the oil with long life-span. If you want, we can afford the biology decompose oil for food industry.

DIN(ISO,SAE) Normal lubricating oil	conglutination index	Ambient temperature	Gear unit type
Mineral oil CLP(CC)	ISOVG100	-20—+25	JRTR, JRTF JRTK
Synthetic fluid, CLP PG	ISOVG220	-25—+80	JRTR, JRTF JRTK
Synthetic fluid, CLP HC	ISOVG460	-30—+80	JRTS

Anti-friction bearing greases

Normal lubricating lipin	Ambient temperature	Gear unit type
mineral bearing lubricating lipin K32N/K2K	-30—+60	Normal type: motor reducer
synthetic bearing lubricating lipin KHC 2R-40	-40—+80	Reducers need to inject the synthetic lubricant
mineral bearing lubricating lipin K3N-30	-25—+80	Special type: select the motor in different situation.
synthetic bearing lubricating lipin K2S-50	-45—-25	Special type: select the motor in different situation.

Lubricant table

Gear unit type	Ambient temperature -50℃ 0℃ +50℃ +100℃	ISO VG		Mobil				
JRTF, JRTK, JRTL	0℃ 40℃	VG220	TOTALCARTER EP220	MOBILGEAR 630	SHELL OMALA 220	ENERGOL GR-XP220	CKD220	CKD220
	-10℃ 40℃	VG220	TOTALCARTER EP220	MOBILGEAR 630	SHELL OMALA 220	ENERGOL GR-XP220		
	-40℃ 40℃	VG220	TOTALCARTER SH220	MOBIL SHC220	SHELL OMALA HD 220	ENERSYN HTX220		
	-10℃ 80℃	VG320	TOTALCARTER SH320	MOBIL SHC320	SHELL OMALA HD320	ENERGOL HTX320		
JRTS	0℃ 40℃	VG680	TOTALCARTER VP/CS680	MOBILGEAR XMP680				
	-10℃ 40℃	VG460	TOTALCARTER VP/CS460	MOBILGEAR XMP460				
	-40℃ 40℃	VG220	TOTALCARTER SY220	MOBILGLYGOYLE HE220	SHELL TIVELA WB	ENERSYN SG-XP220		
	-10℃ 80℃	VG680	TOTALCARTER SY680	MOBIL SHC680	SHELL TIVELA SD	ENERSYN SG-XP680		
Notes: In the above table, the color part is synthetic products and the blank one means no this series products.								



Lubricant fill quantities

The specified fill quantities are recommended values. The precise values vary depending on the number of stages and gear ratio. When filling, it is essential to check the oil level plug since it indicates the precise oil capacity.

The following tables show referenced values for lubricant fill quantities in relation to the Mounting position M1-M6.

Gear unit type	Referenced		Fill quantity(L)			
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
JRTR19/R19F	0.25	0.6	0.35	0.6	0.35	0.35
JRTR29/R29F	0.25/0.4	0.7	0.4	0.7	0.4	0.4
JRTR39/R39F	0.3/1	0.9	1	1.1	0.8	1
JRTR49/R49F	0.7/1.5	1.6	1.5	1.7	1.5	1.5
JRTR59/R59F	0.8/1.7	1.9	1.7	2.1	1.7	1.7
JRTR69/R69F	1.1/2.3	2.6/3.5	2.8	3.2	1.8	2
JRTR79/R79F	1.2/3	3.8/4.3	3.6	4.3	2.5	3.4
JRTR89/R89F	2.3/6	6.7/8.4	7.2	7.7	6.3	6.5
JRTR99	4.6/9.8	11.7/14	11.7	13.4	11.3	11.7
JRTR109	6/13.7	16.3	16.9	19.2	13.2	15.9
JRTR139	10/25	28	29.5	31.5	25	25
JRTR149	15.4/40	46.5	48	52	39.5	41
JRTR169	27/70	82	78	88	66	69

Gear unit type			Fill quantity(L)			
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
JRTRF19	0.25	0.6	0.35	0.6	0.35	0.35
JRTRF29	0.25/0.4	0.7	0.4	0.7	0.4	0.4
JRTRF39	0.4/1	0.9	1	1.1	0.8	1
JRTRF49	0.7/1.5	1.6	1.5	1.7	1.5	1.5
JRTRF59	0.8/1.7	1.8	1.7	2.0	1.7	1.7
JRTRF69	1.2/2.5	2.7/3.6	2.7	3.1	1.9	2.1
JRTRF79	1.2/2.6	3.8/4.1	3.3	4.1	2.4	3
JRTRF89	2.4/6	6.8/7.9	7.1	7.7	6.3	6.4
JRTRF99	5.1/10.2	11.9/14	11.2	14	11.2	11.8
JRTRF109	6.3/14.9	15.9	17	19.2	13.1	15.9
JRTRF139	9.5/25	27	29	32.5	25	25
JRTRF149	16.4/42	47	48	52	42	42
JRTRF169	26/70	82	78	88	65	71

The output end gear unit of multi-stage gear units must be filled with the larger oil volume.

Gear unit type			Fill quantity(L)			
	M1	M2	M3	M4	M5	M6
JRTRX59	0.6	0.8	1.3	1.3	0.9	0.9
JRTRX69	0.8	0.8	1.7	1.9	1.1	1.1
JRTRX79	1.1	1.5	2.6	2.7	1.6	1.6
JRTRX89	1.7	2.5	4.8	4.8	2.9	2.9
JRTRX99	2.1	3.4	7.4	7	4.8	4.8
JRTRX109	3.9	5.6	11.6	11.9	7.7	7.7

Gear unit type			Fill quantity(L)			
	M1	M2	M3	M4	M5	M6
JRTRXF59	0.5	0.8	1.1	1.1	0.7	0.7
JRTRXF69	0.7	0.8	1.5	1.7	1	1
JRTRXF79	0.9	1.5	2.4	2.5	1.6	1.6
JRTRXF89	1.6	2.5	4.9	4.7	2.9	2.9
JRTRXF99	2.1	3.6	7.1	7	4.8	4.8
JRTRXF109	3.1	5.9	11.2	10.5	7.2	7.2

Exact oil quantity of JRTR179&JRTR189, please consult JIE.

Parallel shaft helical gear units.(JRTF...)
JRTF...,JRTFA...B,JRTFH...B,JRTFV...B

Gear unit type	Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
JRTF39	1	1.2	0.7	1.2	1	1.1
JRTF49	1.5	1.8	1.1	1.9	1.5	1.7
JRTF59	2.6	3.7	2.1	3.5	2.8	2.9
JRTF69	2.7	3.8	1.9	3.8	2.9	3.2
JRTF79	5	7.3	4.3	8	6	6.3
JRTF89	10	13.0	7.7	13.8	10.8	11
JRTF99	18.5	22.5	12.6	25.2	18.5	20
JRTF109	24.5	32	19.5	37.5	27	27
JRTF129	40.5	55	34	61	46.5	47
JRTF159	69	104	63	105	86	78

JRTFF...

Gear unit type	Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
JRTFF39	1	1.2	0.7	1.3	1	1.1
JRTFF49	1.6	1.9	1.1	1.9	1.5	1.7
JRTFF59	2.8	3.8	2.1	3.7	2.9	3
JRTFF69	2.7	3.8	1.9	3.8	2.9	3.2
JRTFF79	5.1	7.3	4.3	8.1	6	6.3
JRTFF89	10.3	13.2	7.8	14.1	11	11.2
JRTFF99	19	22.5	12.6	25.5	18.9	20.5
JRTFF109	25.5	32	19.5	38.5	27.5	28
JRTFF129	41.5	56	34	63	46.5	49
JRTFF159	72	105	64	106	87	79

JRTFA...,JRTFH...,JRTFV...,JRTFAF...,JRTFHF...,JRTFVF...,JRTFAZ...,JRTFHZ...,JRTFVZ...

Gear unit type	Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
JRTF...39	1	1.2	0.7	1.2	1	1.1
JRTF...49	1.5	1.8	1.1	1.9	1.5	1.7
JRTF...59	2.7	3.2	2.1	3.6	2.9	3
JRTF...69	2.7	3.8	1.9	3.8	2.9	3.2
JRTF...79	5	7.3	4.3	8	6	6.3
JRTF...89	11	13.0	7.7	13.8	10.8	11
JRTF...99	18.5	22.5	12.6	25.0	18.5	20
JRTF...109	24.5	32	19.5	37.5	27	27
JRTF...129	39	55	34	61	45	46.5
JRTF...159	68	103	62	104	85	77

Exact oil quantity of JRTF169, please consult JIE.





Helical-bevel Gear unit (JRTK..)

JRTK..,JRTKA..B,JRTKH..B,JRTKV..B

Gear unit type	Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
JRTK..39	0.5	1	1	1.3	1	1
JRTK..49	0.8	1.3	1.5	2	1.6	1.6
JRTK..59	1.2	2.3	2.5	3	2.6	2.4
JRTK..69	1.1	2.4	2.6	3.4	2.6	2.6
JRTK..79	2.2	4.1	4.4	5.2	4.2	4.4
JRTK..89	3.7	8	8.7	10.4	7.8	8
JRTK..99	7	14	15.7	20	15.7	15.5
JRTK..109	10	21	25.5	33.5	24	24
JRTK..129	21	41.5	44	51	40	41
JRTK..159	31	62	65	90	58	62
JRTK..169	35	100	100	125	85	85
JRTK..189	60	170	170	205	130	130

JRTKF..

Gear unit type	Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
JRTKF39	0.5	1.1	1.1	1.5	1	1
JRTKF49	0.8	1.3	1.7	2.2	1.6	1.6
JRTKF59	1.3	2.3	2.7	3	2.9	2.7
JRTKF69	1.1	2.4	2.8	3.6	2.7	2.7
JRTKF79	2.1	4.1	4.4	6	4.5	4.5
JRTKF89	3.7	8.2	9	11.9	8.4	8.4
JRTKF99	7	14.7	17.3	21.5	15.7	16.5
JRTKF109	10	22	26	35	25	25
JRTKF129	21	41.5	46	55	41	41
JRTKF159	31	66	69	92	62	62

JRTKA..,JRTKH..,JRTKV..,JRTKAF..,JRTKHF..,JRTKVF..,JRTKAZ..,JRTKHZ..,JRTKVZ..

Gear unit type	Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
JRTK..39	0.5	1	1	1.4	1	1
JRTK..49	0.8	1.3	1.6	2.1	1.6	1.6
JRTK..59	1.3	2.3	2.7	3	2.9	2.7
JRTK..69	1.3	2.4	2.7	3.6	2.6	2.6
JRTK..79	2.1	4.1	4.6	6	4.4	4.4
JRTK..89	3.7	8.2	8.8	11.1	8	8
JRTK..99	7	14.7	15.7	20	15.7	15.7
JRTK..109	10	20.5	24	32	24	24
JRTK..129	21	41.5	43	51	40	40
JRTK..159	31	66	67	87	62	62
JRTK..169	35	100	100	125	85	85
JRTK..189	60	170	170	205	130	130

Helical-worm Gear units.(JRTS..)

JRTS..

Gear unit type	Fill quantity(L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
JRTS39	0.25	0.4	0.5	0.6	0.4	0.4
JRTS49	0.35	0.8	0.7	1.1	0.8	0.8
JRTS59	0.5	1.2	1	1.5	1.3	1.3
JRTS69	1	2.0	2.2/3.1	3.2	2.6	2.6
JRTS79	1.9	4.2	3.7/5.4	6	4.4	4.4
JRTS89	3.3	8.1	6.9/10.4	12	8.4	8.4
JRTS99	6.8	15	13.4/18	22.5	17	17

The output end gear unit of multi-stage gear units must be filled with the larger oil volume.

JRTSF..

Gear unit type	Fill quantity(L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
JRTSF39	0.25	0.4	0.5	0.6	0.4	0.4
JRTSF49	0.4	0.9	0.9	1.2	1.0	1
JRTSF59	0.5	1.2	1	1.6	1.4	1.4
JRTSF69	1	2.2	2.3/3	3.2	2.7	2.7
JRTSF79	1.9	4.1	3.9/5.8	6.5	4.9	4.9
JRTSF89	3.8	8	7.1/10.1	12	9.1	9.1
JRTSF99	7.4	15	13.8/18.8	23.6	18	18

The output end gear unit of multi-stage gear units must be filled with the larger oil volume.

JRTSA...,JRTSH...,JRTSAF...,JRTSHF...,JRTSAZ...,JRTSHZ...

Gear unit type	Fill quantity(L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
JRTS..39	0.25	0.4	0.5	0.6	0.4	0.4
JRTS..49	0.4	0.8	0.7	1.1	0.8	0.8
JRTS..59	0.5	1.1	1	1.6	1.2	1.2
JRTS..69	1	2	1.8/2.6	2.9	2.5	2.5
JRTS..79	1.8	3.9	3.6/5	5.9	4.5	4.5
JRTS..89	3.8	7.4	6/8.7	11.2	8	8
JRTS..99	7	14	11.4/16	21	15.7	15.7

The output end gear unit of multi-stage gear units must be filled with the larger oil volume.

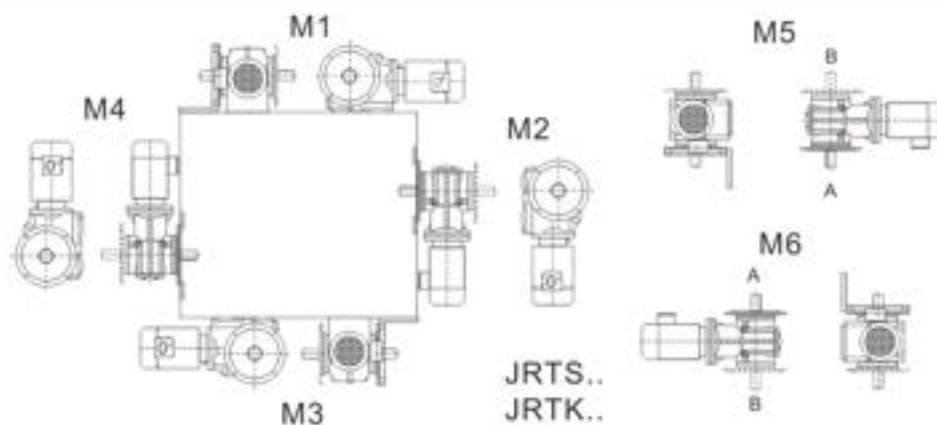
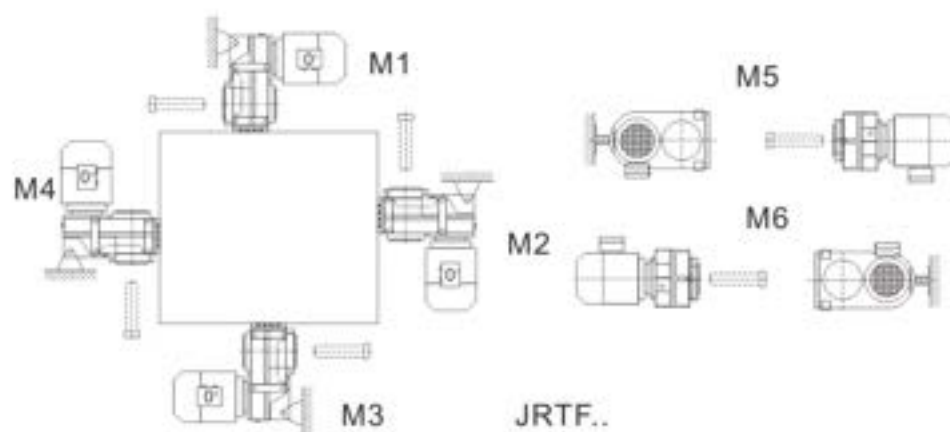
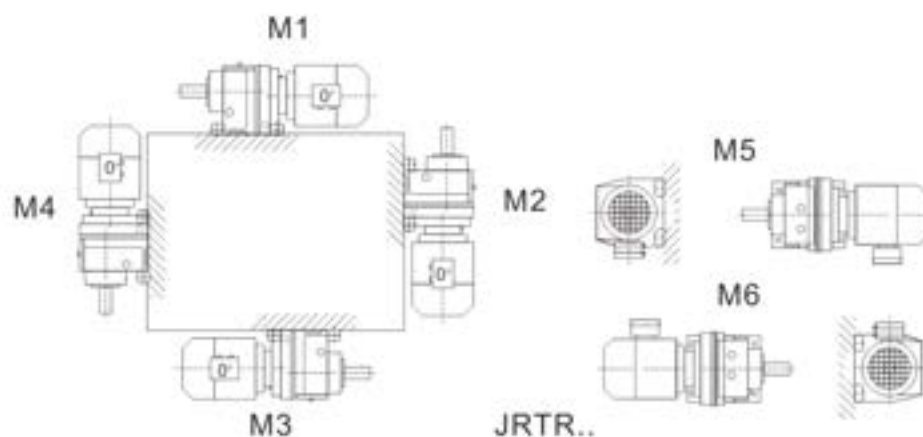


X . Installation and Mounting Precaution

1. Mounting Position designation

JIE differentiates between six mounting position M1-M6 for geared motors.

The following shows the spatial arrangement of the gear units in mounting positions M1-M6.



Important indentation information

Except the mounting position, the indentation informations for depicting the figure of gear Unit exactly are necessary.

Position of the motor terminal box

For the right-angle shaft reducers: output shaft connection.

For the right-angle shaft reducers with shrink-disk: with or without flange.

For the drive with a backstop: the Direction of rotation.

Position of the motor terminal box and cable entry

"Normal", "1", "2" 或 "3"

Possible positions of the terminal box are 0°, 90°, 180° or 270° as viewed onto the fan guard =B-side

In addition, the position of the cable entry can be selected. The possibilities are "X" (=normal position), "1", "2" or "3"

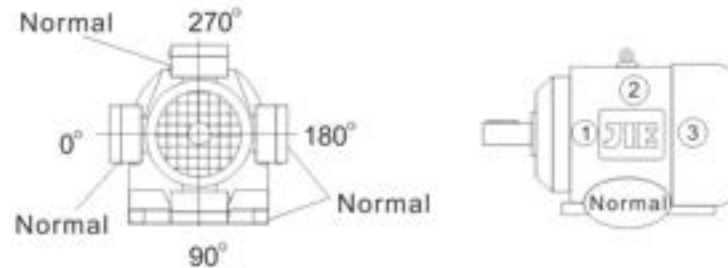


Fig: Position of the terminal box and cable entry



Unless other information is given regarding the terminal box, the 0° type with "X" cable entry will be supplied. We recommend selecting cable entry "2" with mounting position M3.

The terminal box cannot be positioned at 90° on the JRTR19DN71...geared motor. Cable entry "2" is not possible with the DN71...BE motor with terminal box position 90°





Direction of rotation of the drive with a backstop

If the drive has a RS backstop, it is necessary to stipulate the direction of drive rotation.

The following definition applies:

Looking onto the output shaft: Clockwise (CW) = Rotating to the right

Counterclockwise (CCW) = Rotating to the left

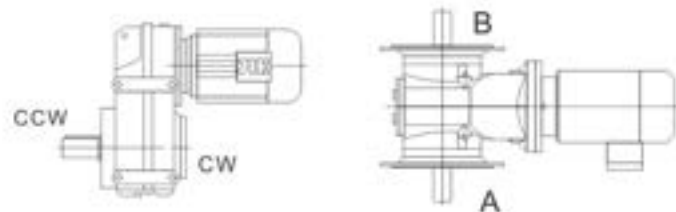


Fig: Direction of rotation of the output shaft

In right-angle gear units, it is necessary to indicate if the direction of rotation is given where be looked from the A or B end.

In right-angle gear units, it is necessary to indicate the position of the output shaft and output flange: A or B or A+B

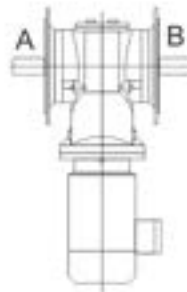


Fig.:Position of the output shaft

Position of the connection end in right-angle gear units with shrink disk

In shaft mounted right-angle gear units with shrink disk, it is necessary to indicate whether the A or B end is the connection end. In Fig.20 the A end is the connection end. The shrink disk is located opposite the connection end.

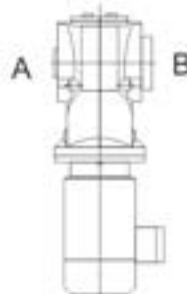


Fig.:Position of the connection end

Sample orders

Connection end at bottom only is possible with K169/K189 helical-bevel gear units in mounting positions M5 and M6.

Type	Mounting position	Shaft with	Position of Shrink disk	Flange	Position of terminal box	Position of cable entry	rotation direction	Out put shaft direction
JRTKF49DN71M4	M5	A	-	B	0°	"Normal"	CW	A
JRTSF99DN180M4	M2	A+B	-	A+B	180°	"2"	-	A+B
JRTKH109DN160L4	M1	-	B	-	270°	"3"	-	-

Symbols used

The following table shows the symbols used in the mounting position sheets and what they mean:

Symbol	Meaning
	Breather valve
	Oil level plug
	Oil drain plug
	In line plug

Churning losses



In creased churning losses may arise in some mounting positions , please contact JIE in case of the following combinations.

Mounting position	Gear unit type	Gear unit size	Input speed
M2,M4	JRTR	99-109	> 2500
		> 109	> 1500
M2,M3,M4,M5,M6	JRTF	99-109	> 2500
		> 109	> 1500
	JRTK	79-109	> 2500
		> 109	> 1500
	JRTS	79-99	> 2500

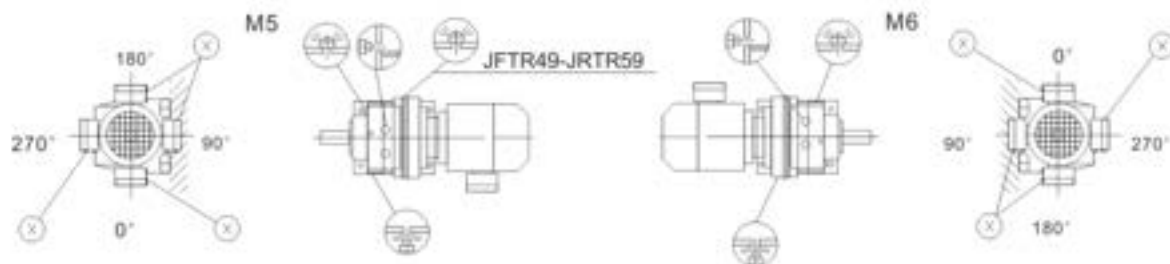
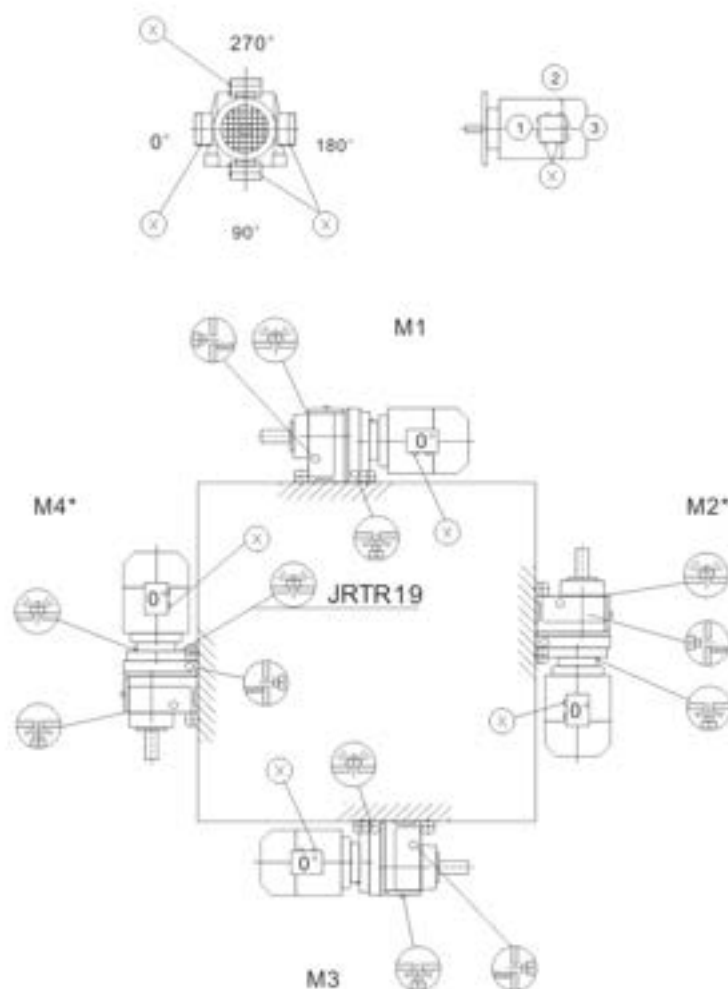
Oil Inspection and maintenance intervals

Frequency	What to do
After 300 hours initial operating	cleanning house,then change oil
Every 3000 machine hours, at least every 6 mouths	Check oil and oil level
Depending on the operating conditions every 3 years at the latest	Change mineral oil
	Replace anti-friction bearing grease Replace oil seal
Depending on the operating conditions every 5 years at the latest	Change synthetic oil
	Replace anti-friction bearing grease Replace oil seal
JRTR19/29 and JRTF27 are have lubrication for life and are therefore maintenance-free	



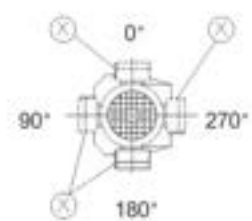
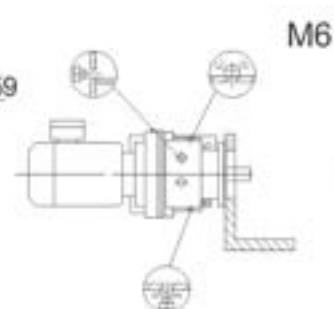
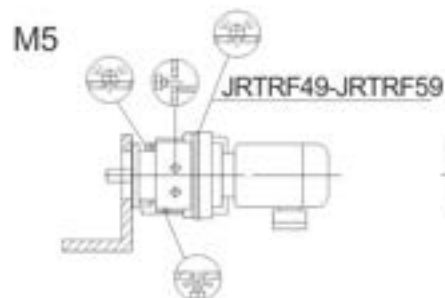
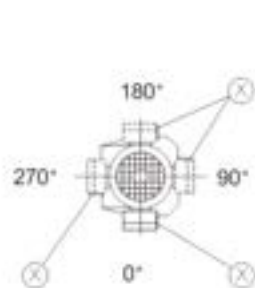
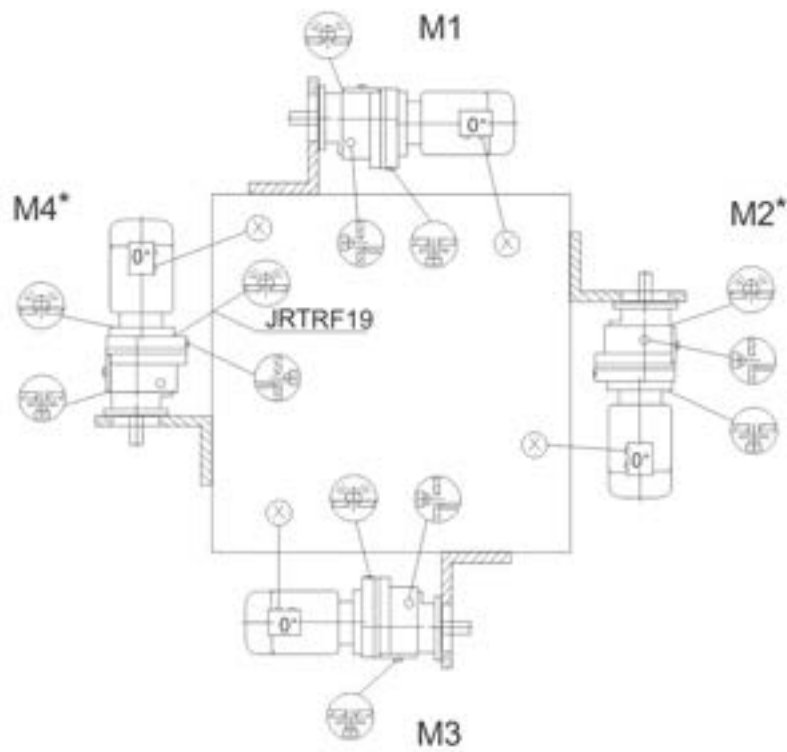
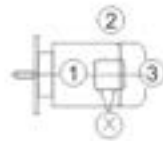
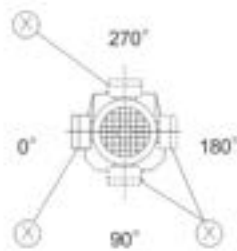
2. Mounting position of Helical gear units

JRTR19-JRTR169



JRTR19, JRTR29		M1, M3, M5, M6
JRTR49, JRTR59		M5
JRTR19, JRTR29		

JRTRF19-JRTRF169

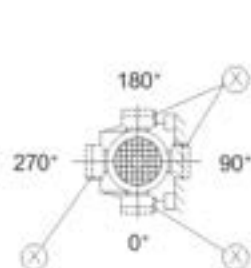
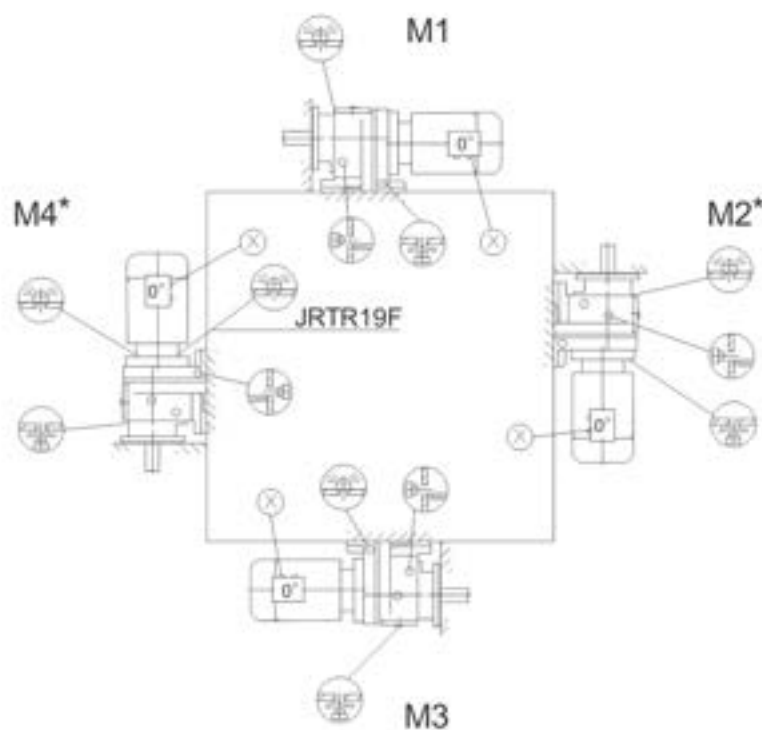
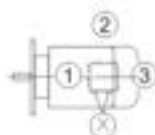
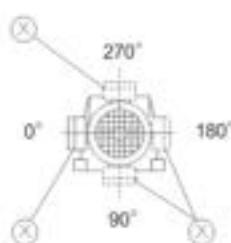
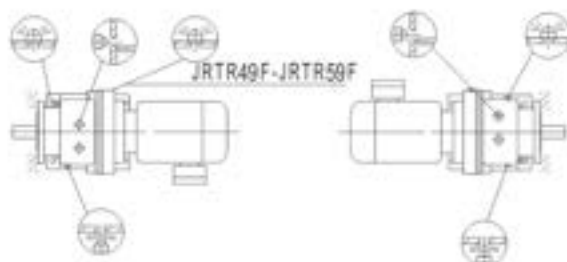
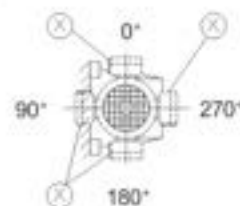


JRTRF19, JRTRF29  M1, M3, M5, M6

JRTRF49, JRTRF59  M5

JRTRF19, JRTRF29  

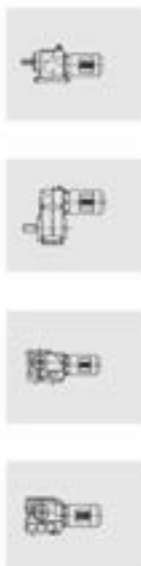
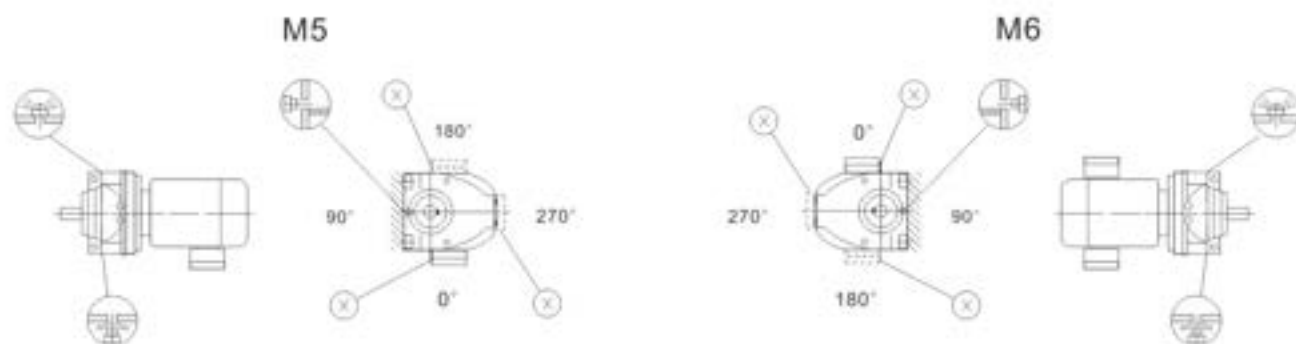
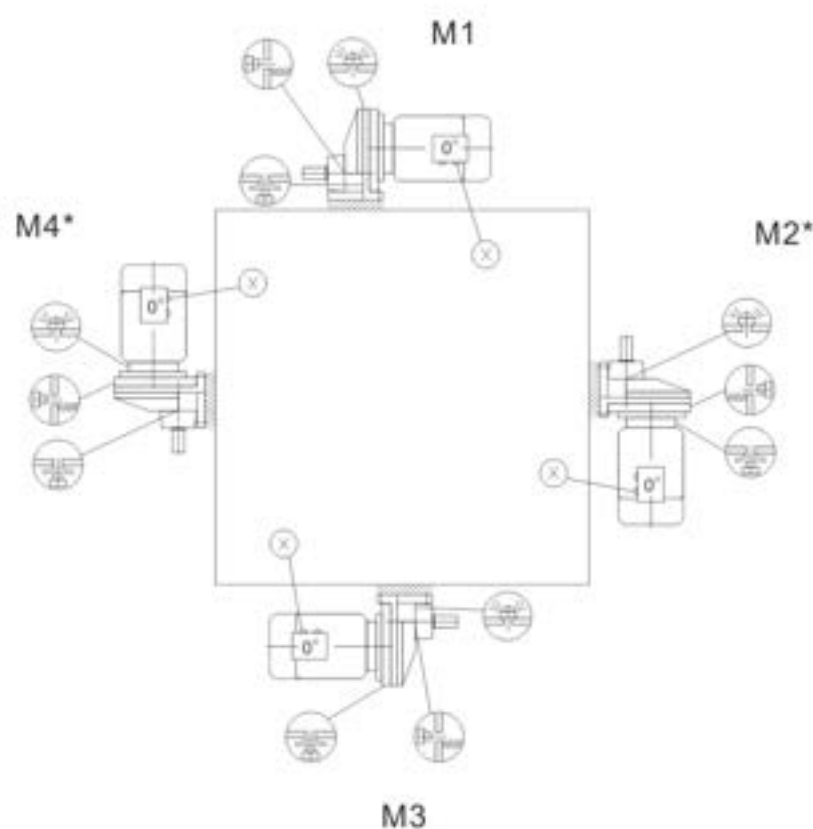
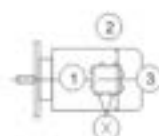
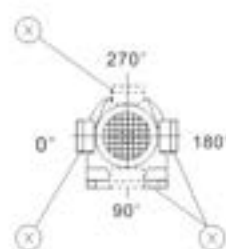


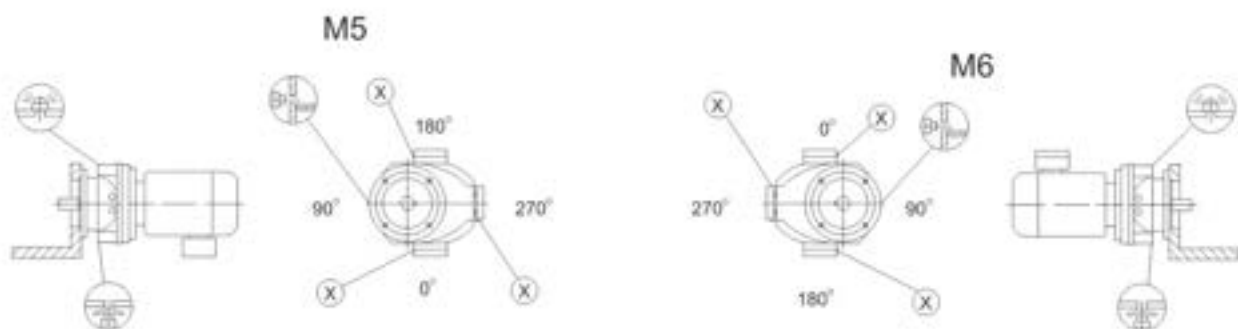
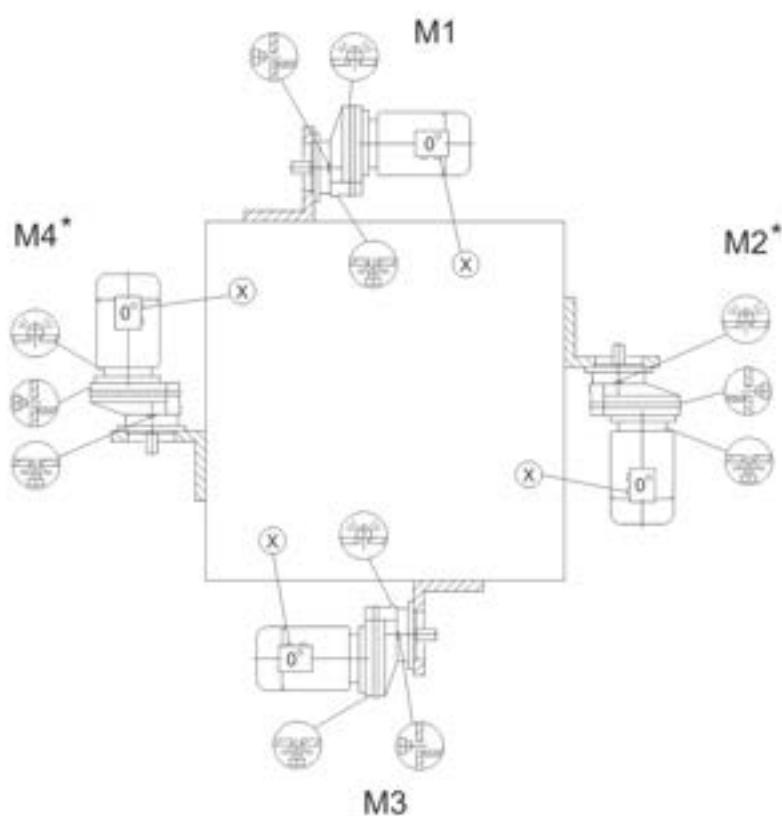
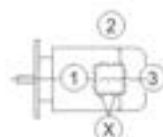
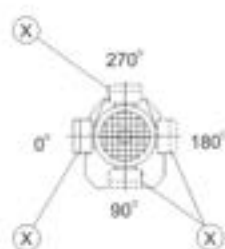
JRTR19F~JRTR89F

M5

M6

 JRTR 19F, JRTR29F  M1, M3, M5, M6

 JRTR 49F, JRTR59F  M5

 JRTR 19F, JRTR29F  

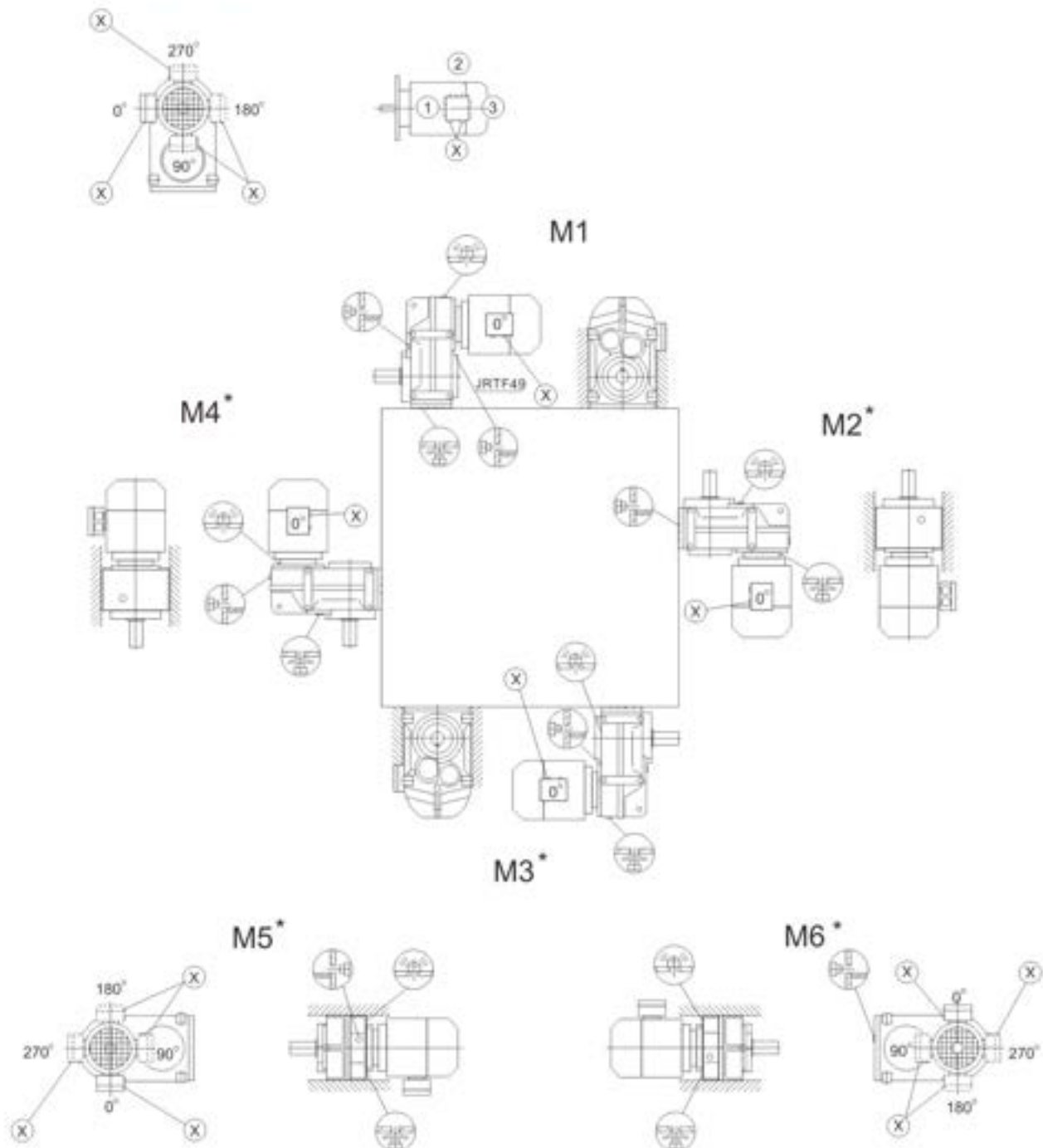
JRTRX59~JRTRX109

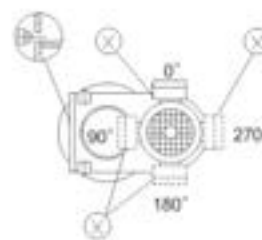
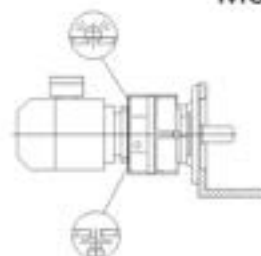
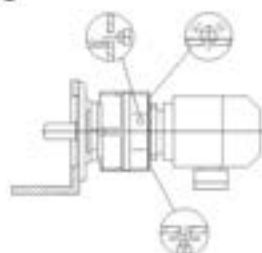
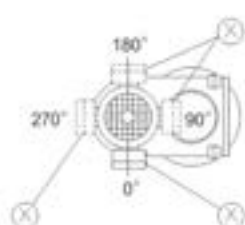
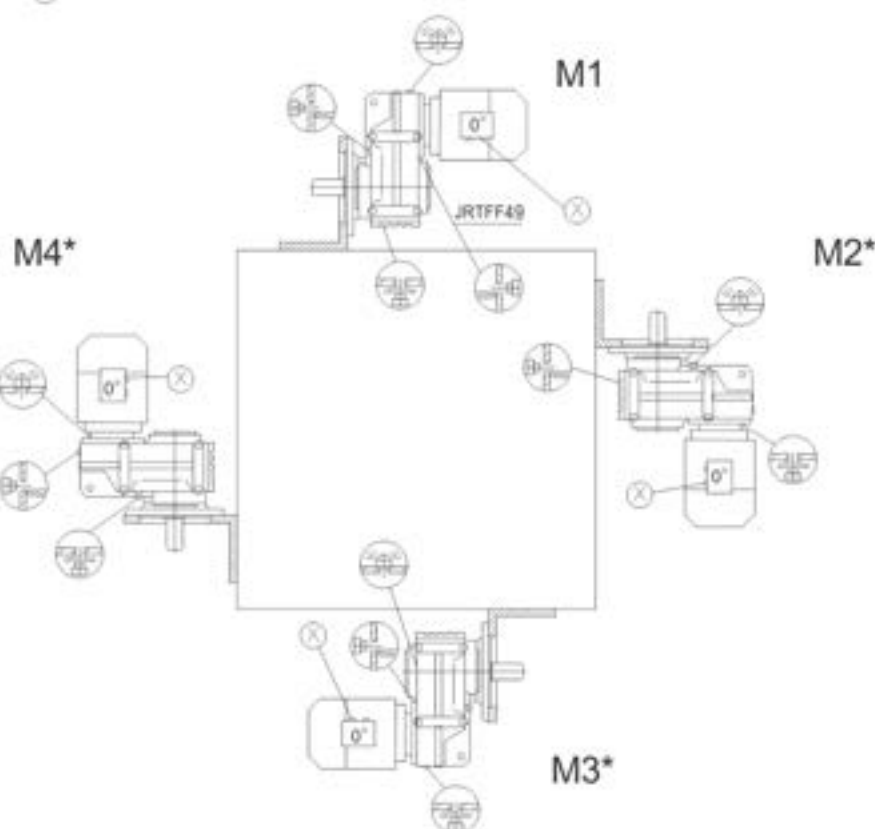
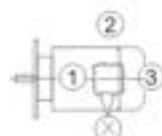
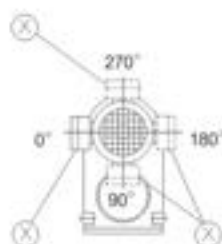
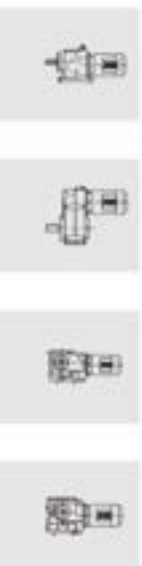


JRTRXF59~JRTRXF109


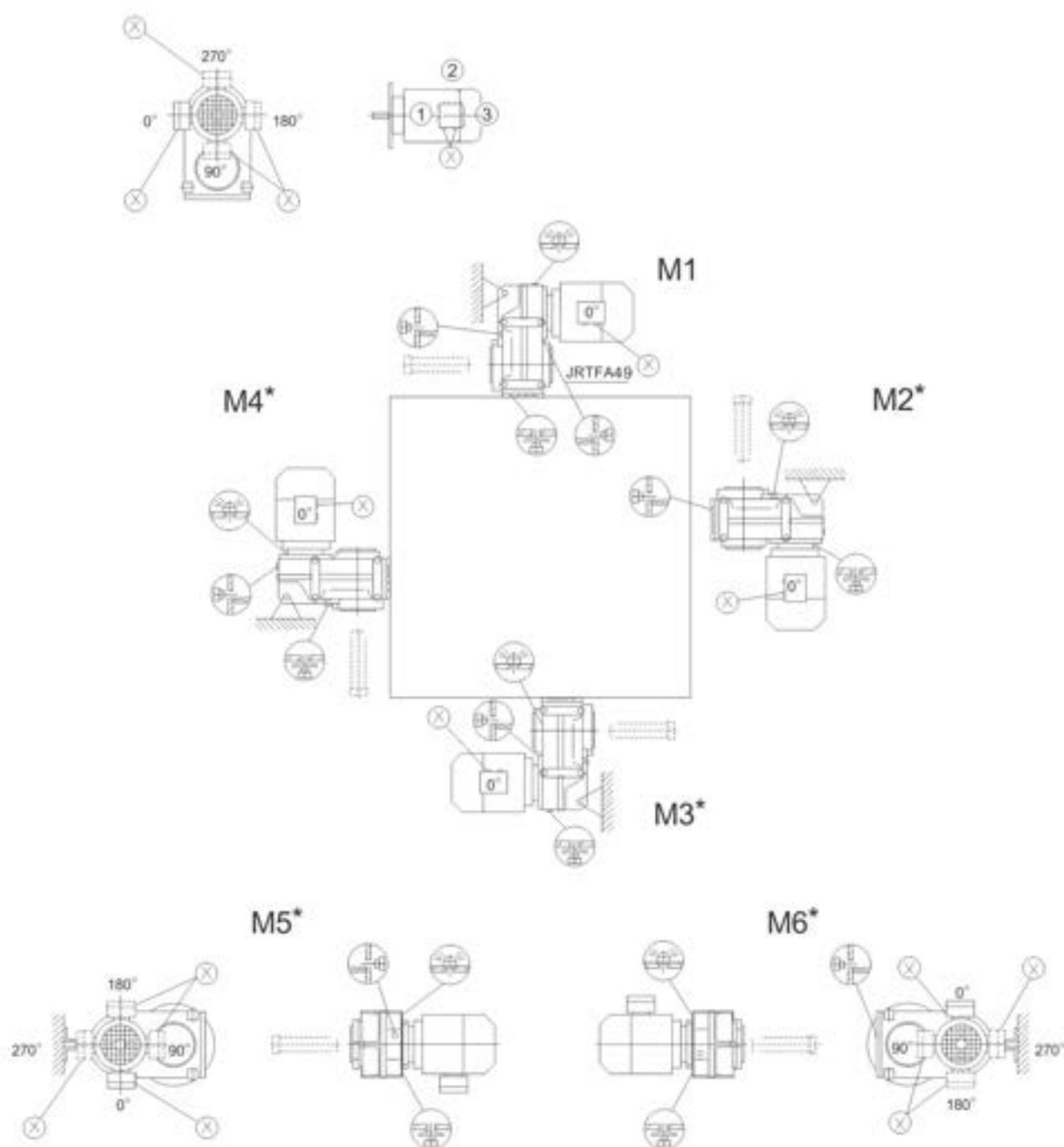
3. Mounting positions of parallel shaft helical Gear unit

JRTF/FA...B/FH39B-159B, JRTFV39B-109B



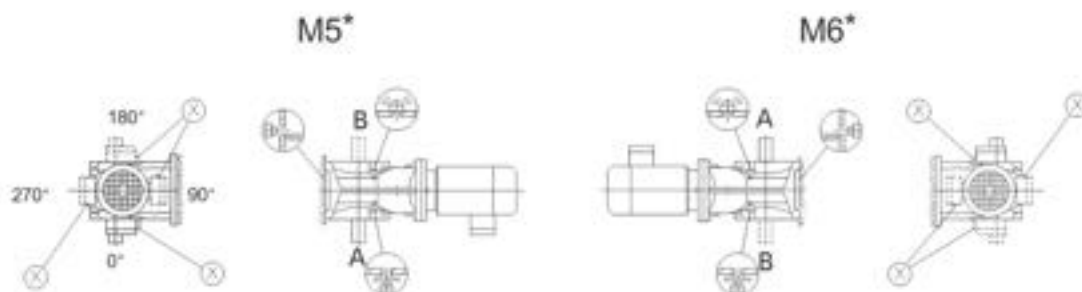
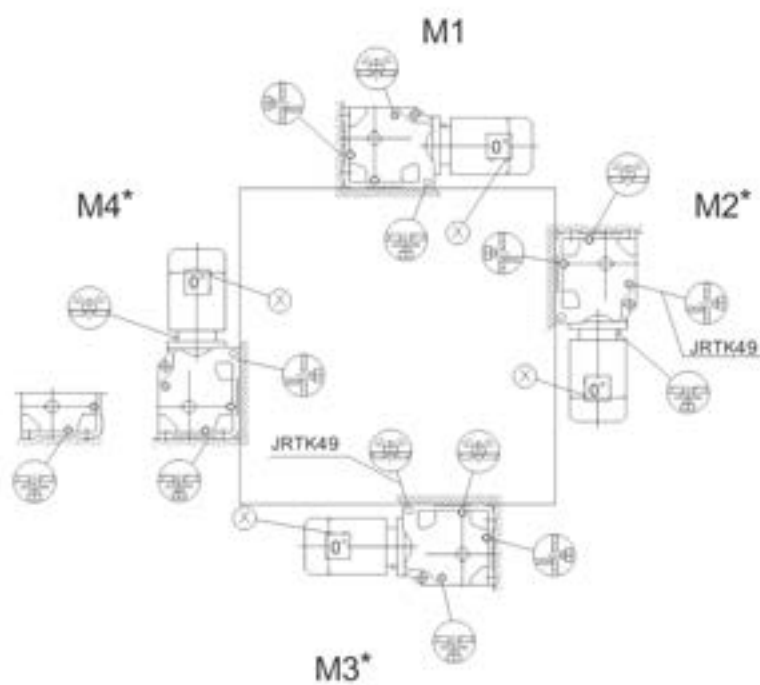
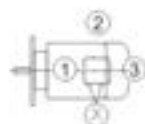
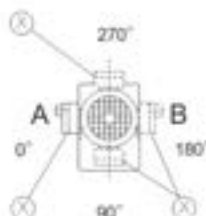
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JRTFA/FH39B/G-159B/G, JRTFV39B/G-109B/G

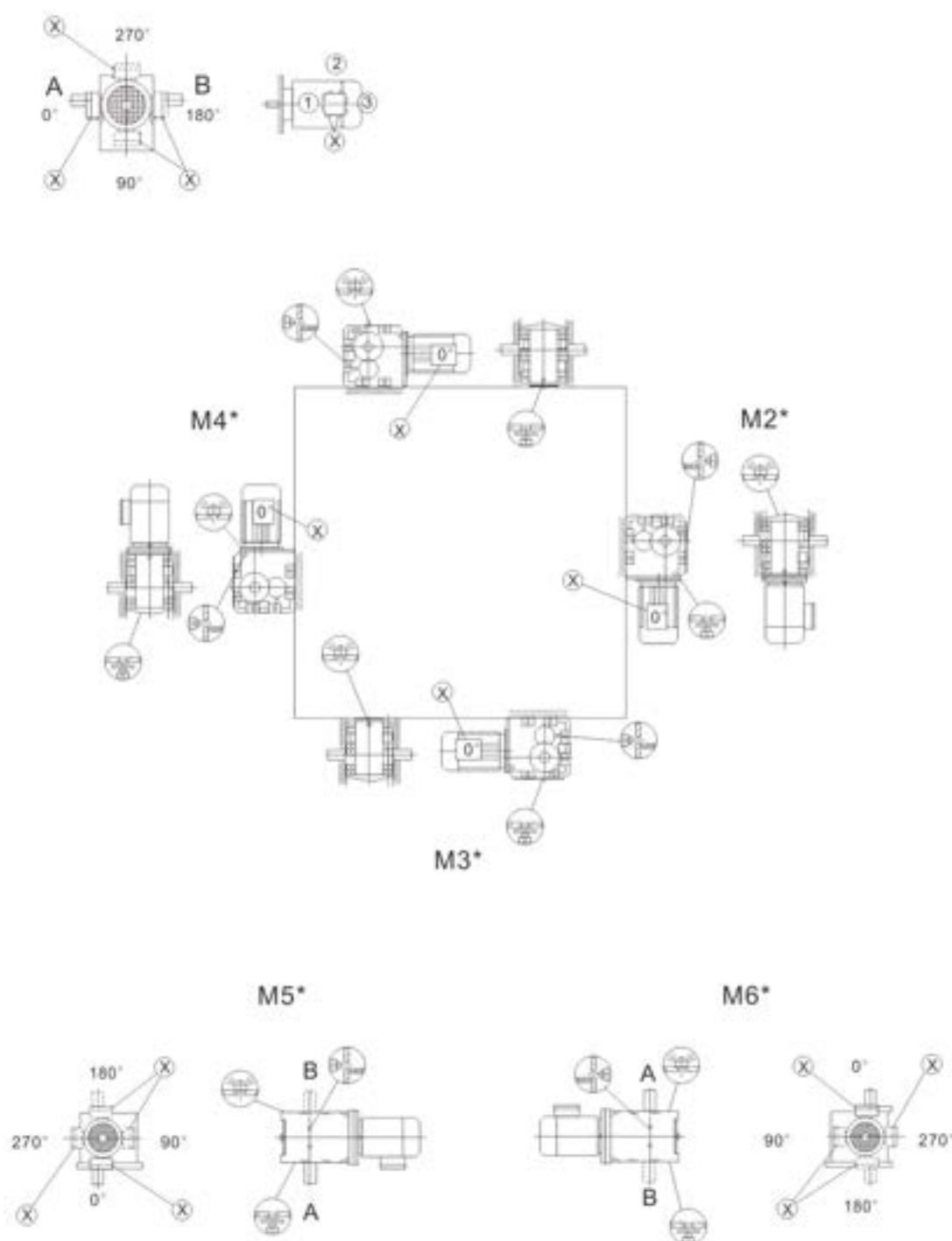


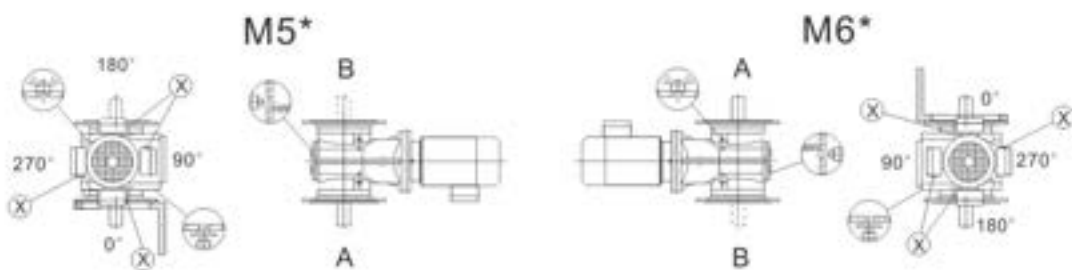
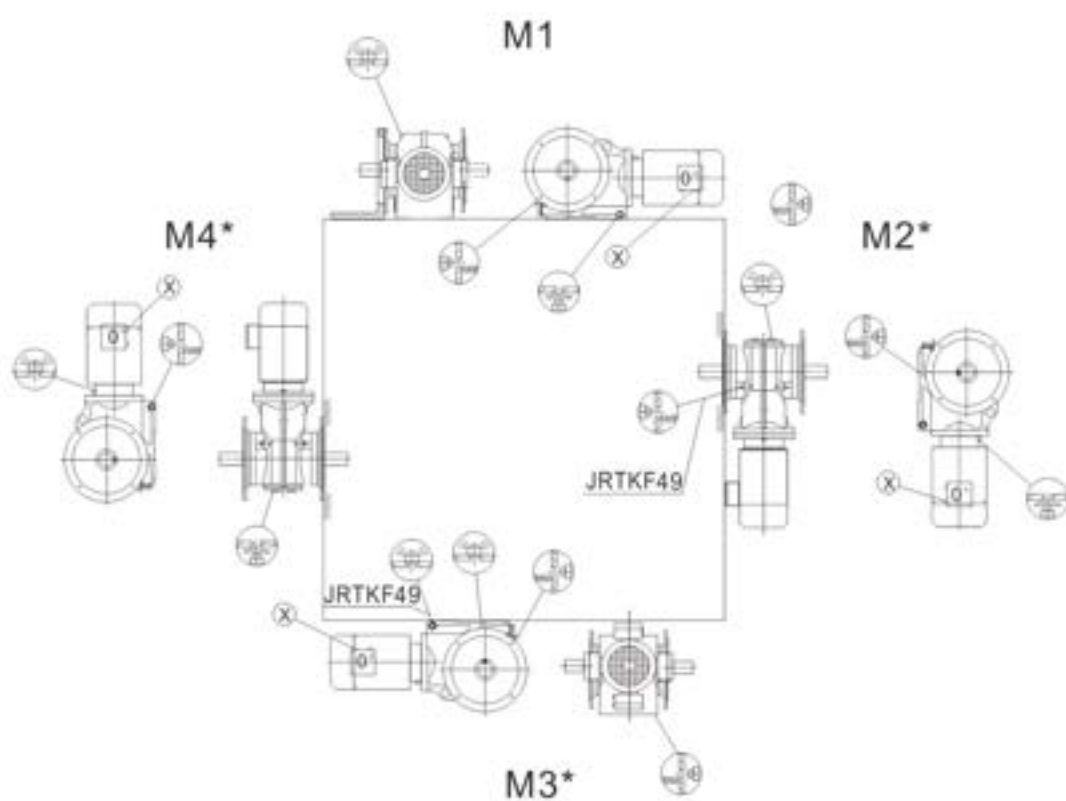
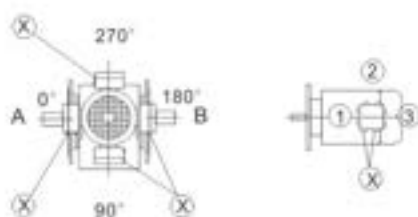
4. Mounting position of helical-bevel Gear units

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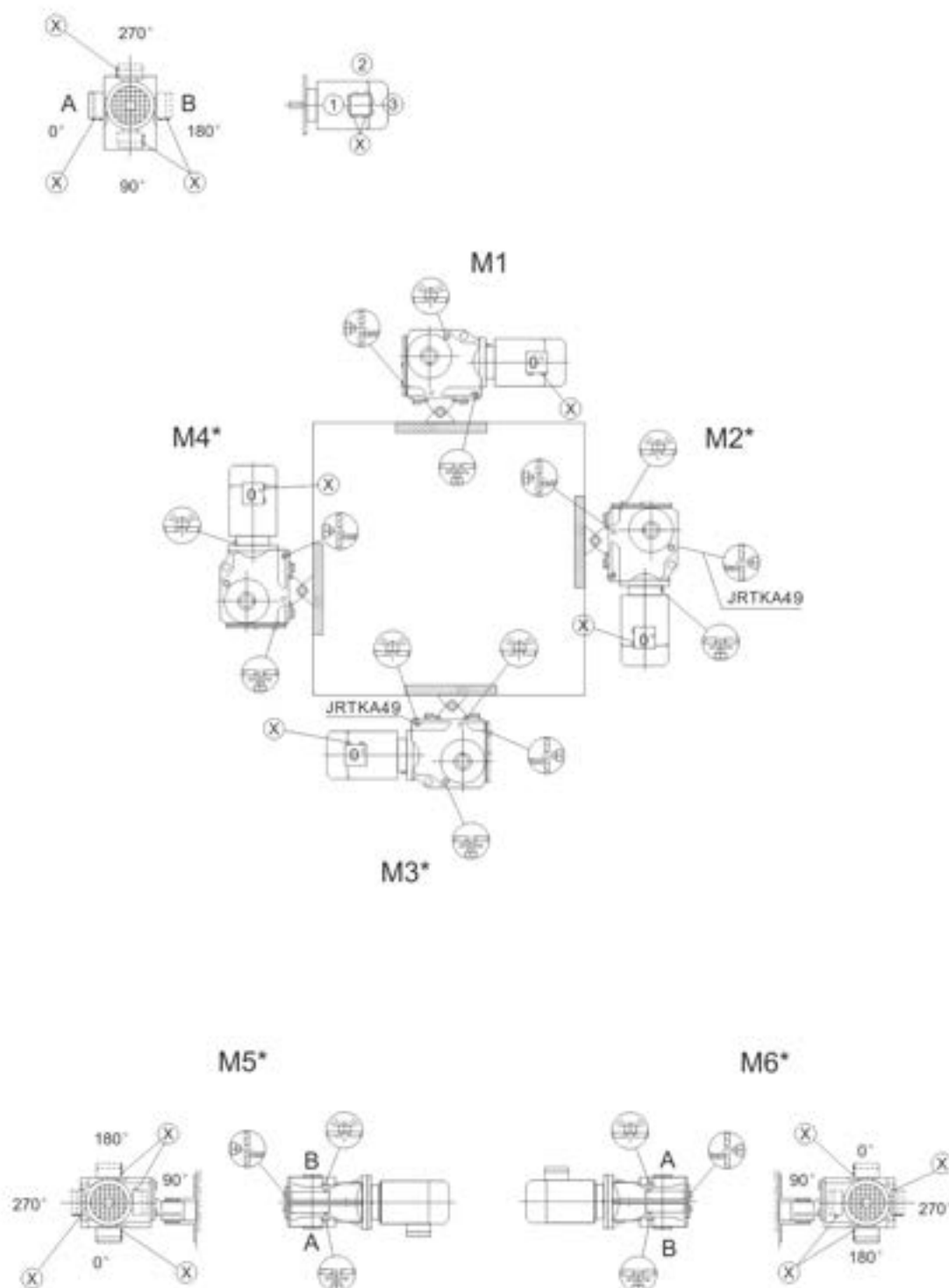


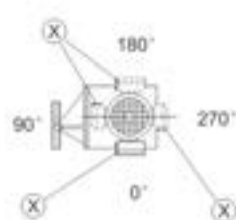
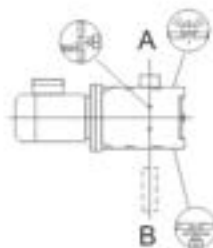
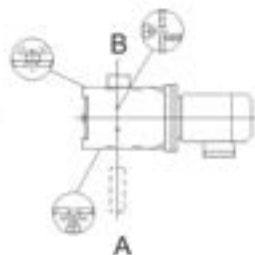
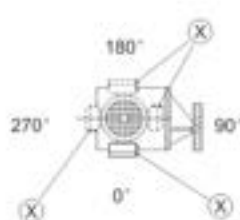
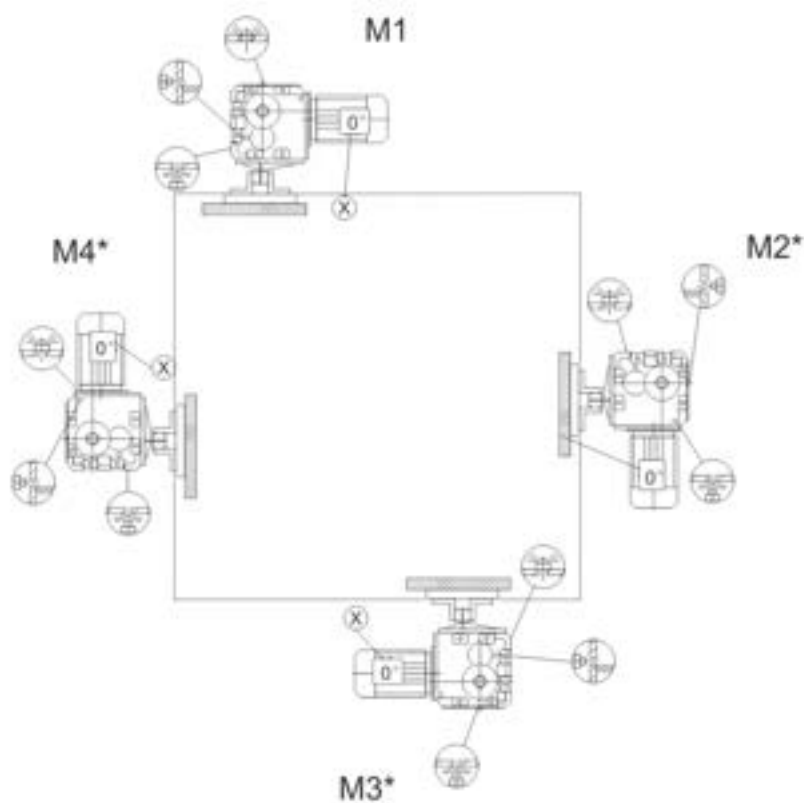
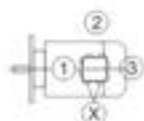
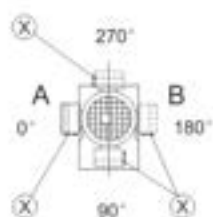
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JRTKF/KAF/KAZ/KHZ39-159, JRTKVF/KVZ39-109


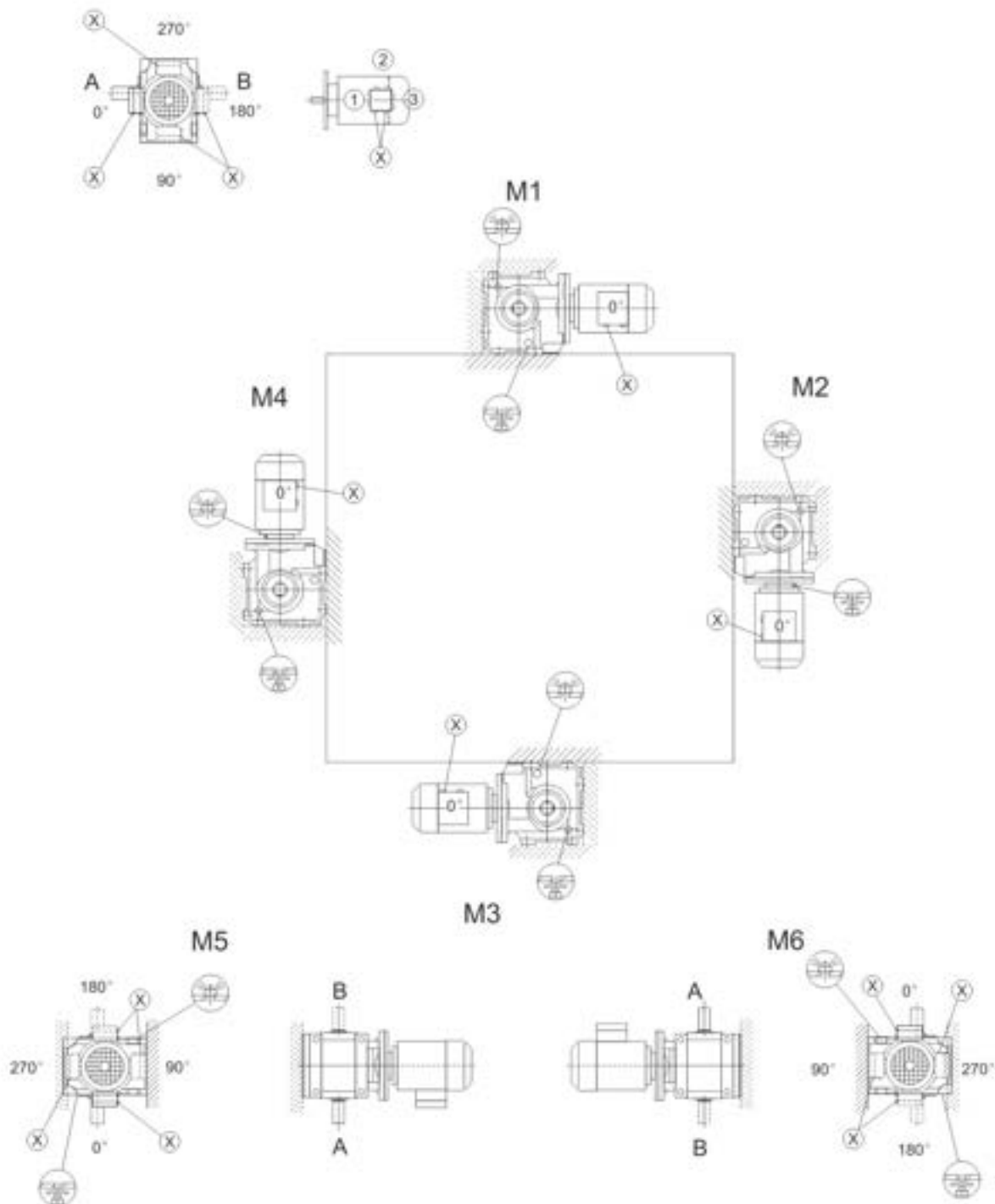
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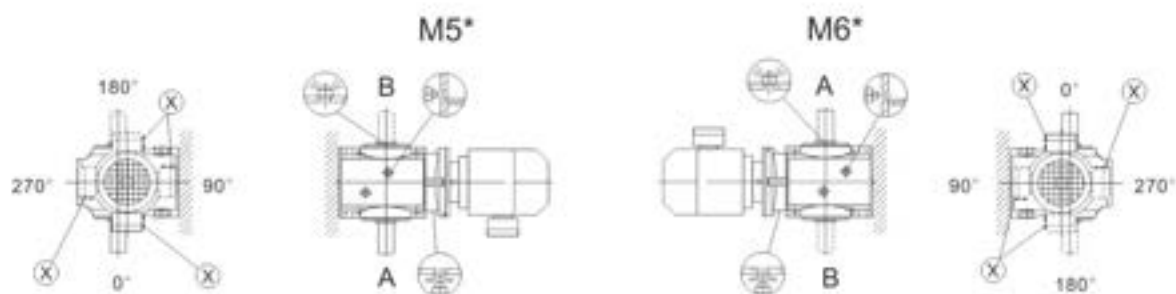
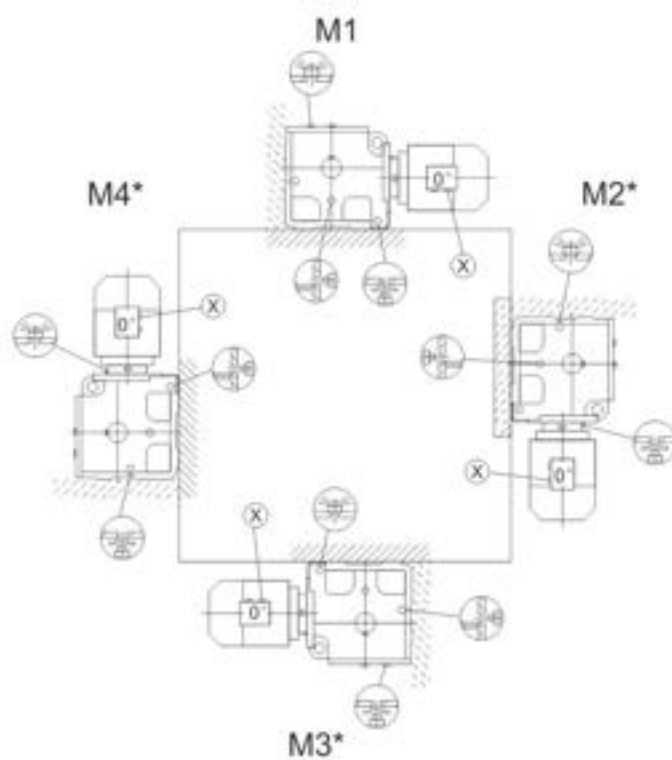
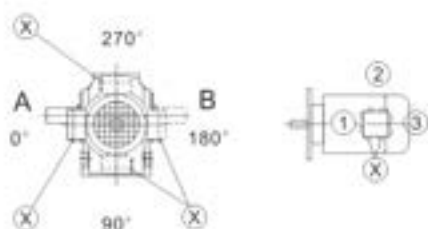


JRTKH169-189


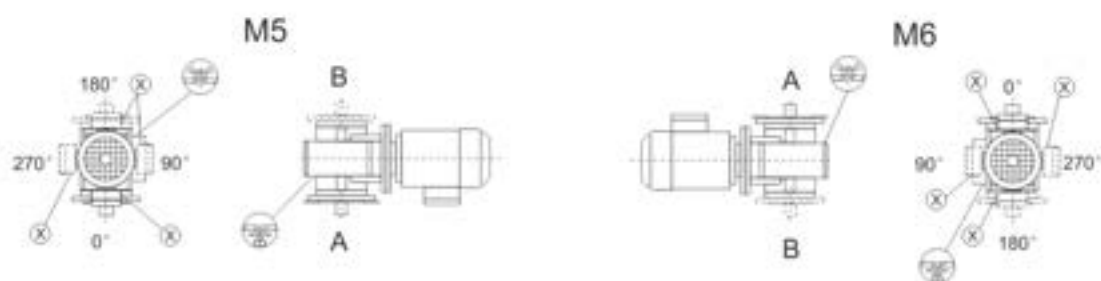
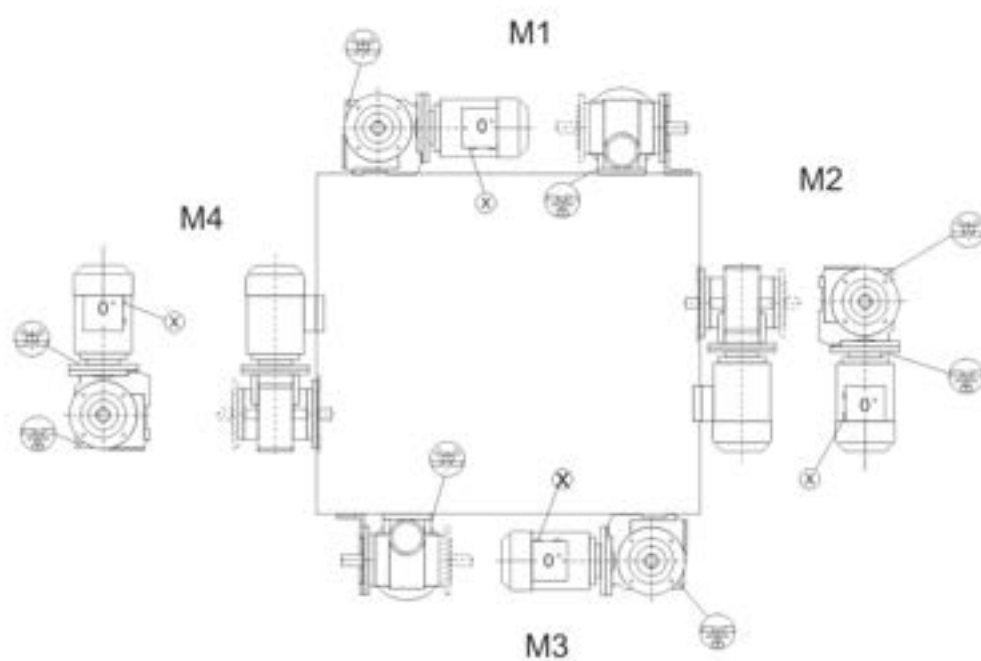
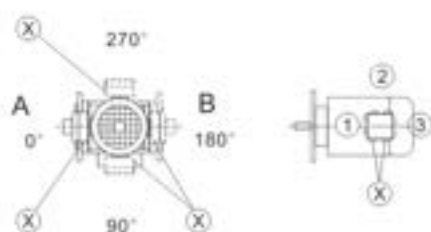
5. Mounting position of Helical-Worm Gear motor

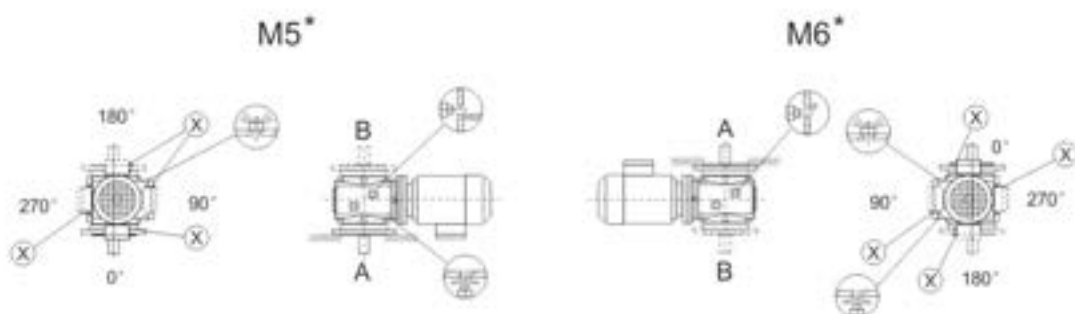
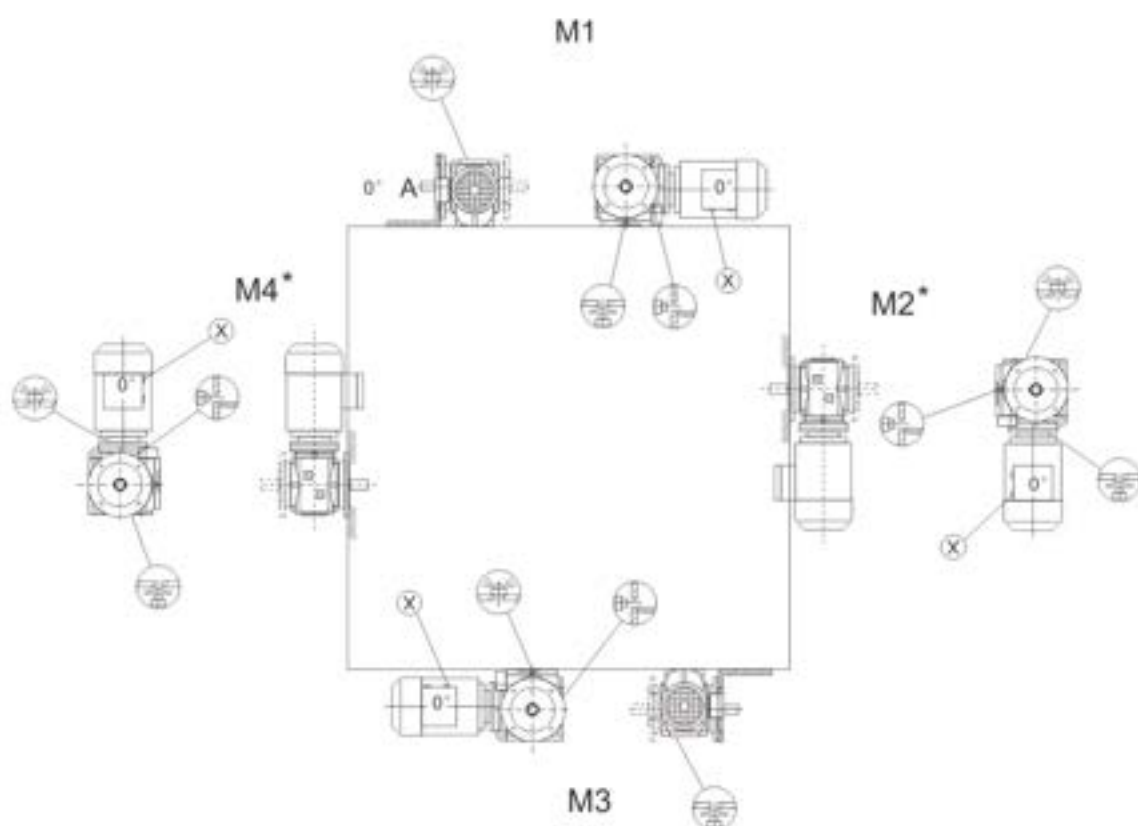
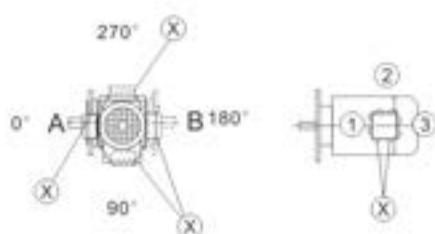
JRTS39



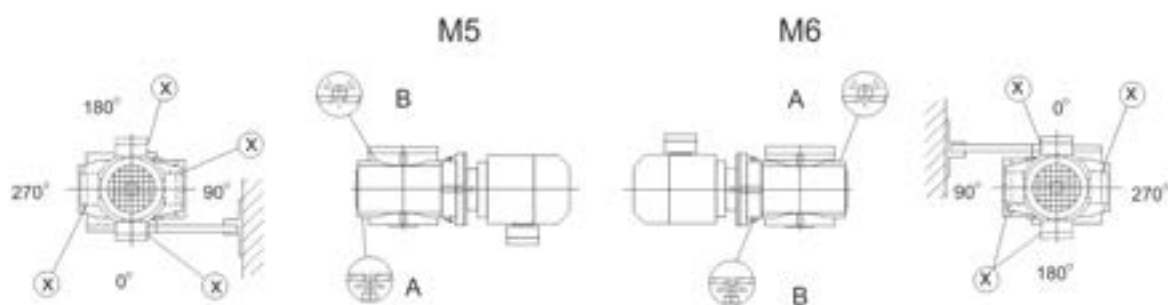
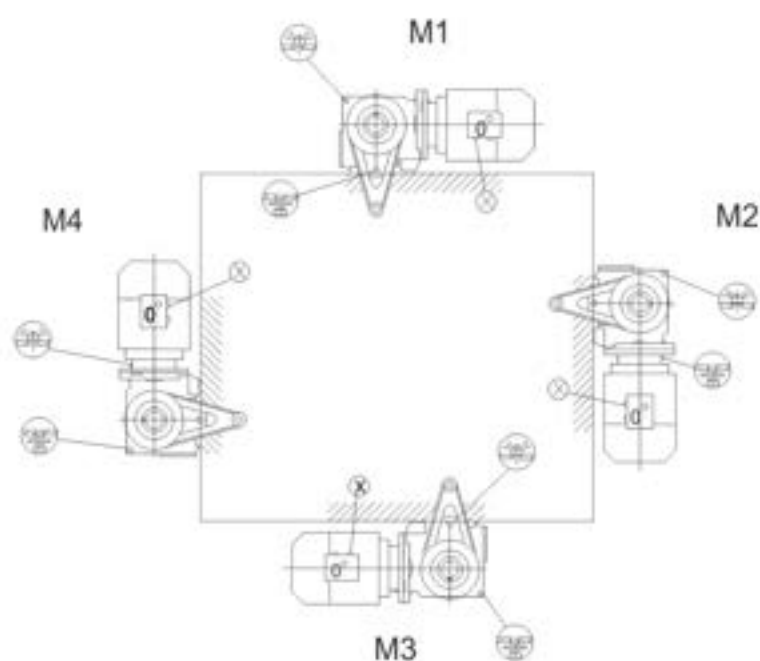
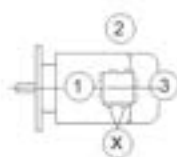
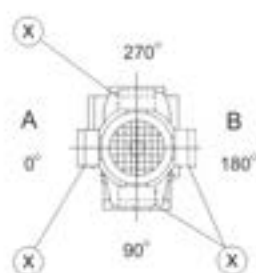
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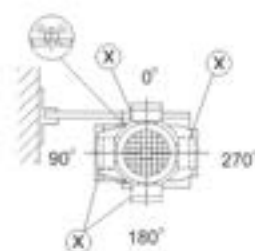
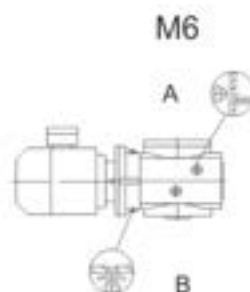
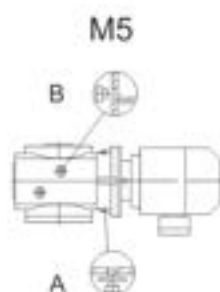
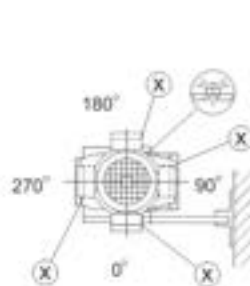
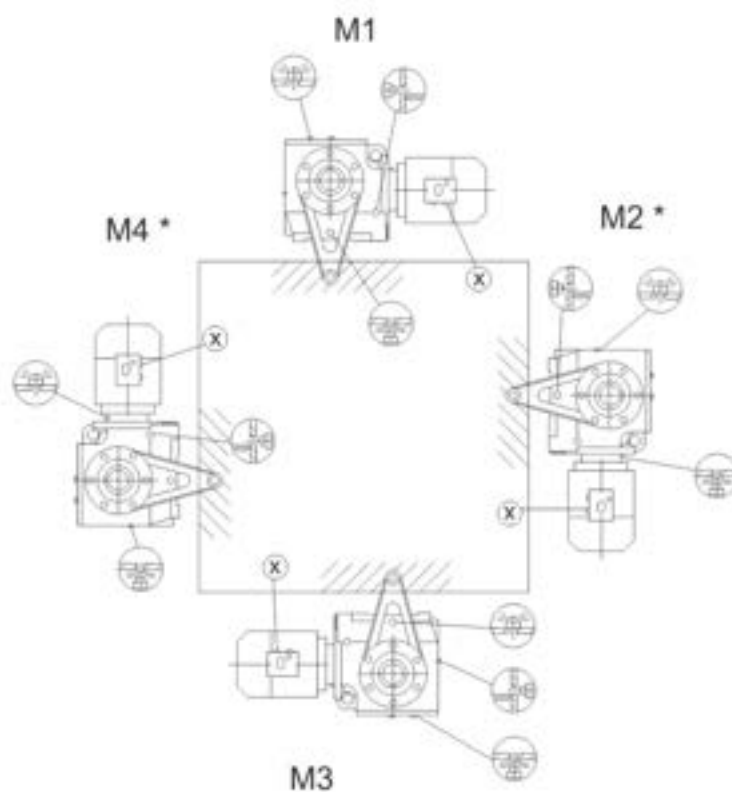
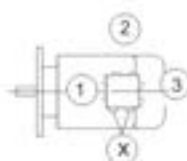
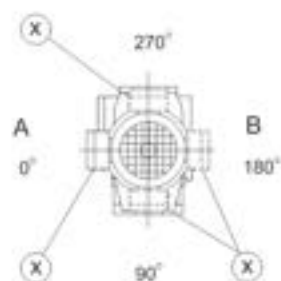
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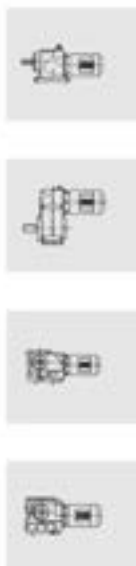
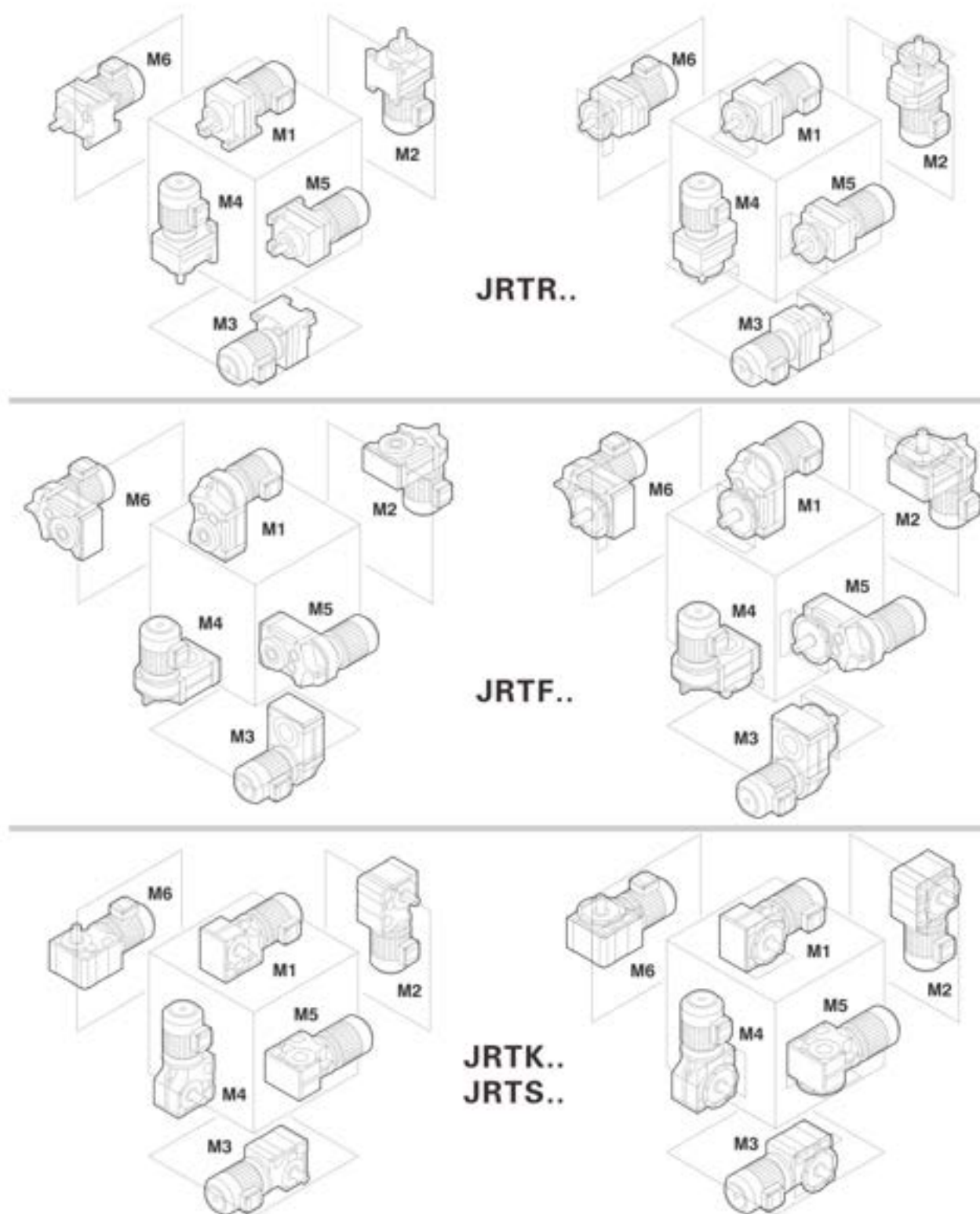
JRTSF/SAF/SHF/SAZ/SHZ49...-99..


JRTSA/SH39



JRTSA/SH49...-99..


Schematic diagram of the installation location



XI. Dimensions and Tolerances Precaution

Shaft heights tolerances	h ≤ 250mm	→ -0.5mm
	h > 250mm	→ -1mm

Foot-mounted gear units: The motor may project below the mounting surface when fitted, please check

Shaft tolerance	Diameter tolerance	
	φ ≤ 50mm	→ ISO k6
	φ > 50mm	→ ISO m6

Centering Bores

INCH

φ 0.625-0.750	→ 1/4-20x0.63
φ 1.000	→ 3/8-16x0.87
φ 1.250-1.375	→ 1/2-13x1.12
φ 1.625-1.750	→ 5/8-11x1.38
φ 2.000-2.875	→ 3/4-10x1.61
φ 3.625-4.750	→ 1-8x2.13
φ 6.250-7.500	→ 1-1/8-7x2.13

METRIC

φ = 7-10mm	→ M3
φ > 10-13mm	→ M4
φ > 13-16mm	→ M5
φ 16-21mm	→ M6
φ 21-24mm	→ M8
φ 24-30mm	→ M10
φ 30-37mm	→ M12
φ 38-50mm	→ M16
φ 50-85mm	→ M20
φ 85-130mm	→ M24
φ 130mm	→ M30

Centering bores: according to DIN 332, shape D [in], shape DR [mm]

Hollow shaft

Diameter tolerance:

φ → ANSI H7	
φ 0.625	→ +0.0007 / -0
φ 0.750-1.000	→ +0.0008 / 0
φ 1.250-1.9375	→ +0.0010 / -0
φ 2.000-2.9375	→ +0.0012 / -0
φ 3.250-4.500	→ +0.0014 / -0

φ → ISO H7 measured with plug gauge

Keys: according to DN 6885 (domed type); keyway width to ISO JS9

Multiple-spine shafts	Dm = Measuring roller diameter
	Me = Inspection size

Flanges

Centering shoulder tolerance

- φ ≤ 230mm (flange size A 120-A300) → ISOj6
- φ > 230mm (flange size A 350-A660) → ISOh6

Up to three different flange dimensions are available for each size of helical gear units AC (brake) motor and explosion-proof AC (brake) motor. The possible flanges per size are indicated in the relevant dimension sheets

lifting eyebolts, suspension eye lugs

R19...R29 helical gear units, motors up to DV100 and Spiroplan geared motors are delivered without special transport fixtures. Otherwise, the gear units and motors are equipped with cast-on suspension eye lugs, screw-on suspension eye lugs or screw-on lifting eyebolts.

Gear unit/motor type	Screw-on lifting eyebolts / suspension eye lugs	Cast-on suspension eye lugs
JRTR/JRTRF39-59. JRTRX/JRTRXF59-69	•	—
> JRTR69	•	—
JRTF39-159	—	•
JRTK39-159	•	—
JRTK169-189	•	—
JRTS39-49	•	—
JRTS59-59	—	—
> D112	•	•

Breather valves

The gear unit dimension drawings are always shown with screw plugs. The corresponding screw plug is replaced by a breather valve at the factory depending on which mounting position M1-M6 is ordered. This means the contour dimensions may be slightly different.

Shrink disk connection

Hollow shaft gear unit with shrink disk connection: If required, please request a detailed data sheet on shrink disks from JIE, data sheet no. 33 753..95.

Splined hollow shaft

Hollow shaft gear units FV.. in sizes 39-109 and KV.. in sizes 39-109 are supplied with a splined hollow shaft to ISO4762.

Rubber buffer for JRTFA/JRTFH/JRTFV

Q stands for the compressed dimension of Rubber buffer in the Mamax torque.

Motor accessory

The motor dimensions may differ as a result of motor accessory. Please refer to the dimension drawings of the motor accessory.



