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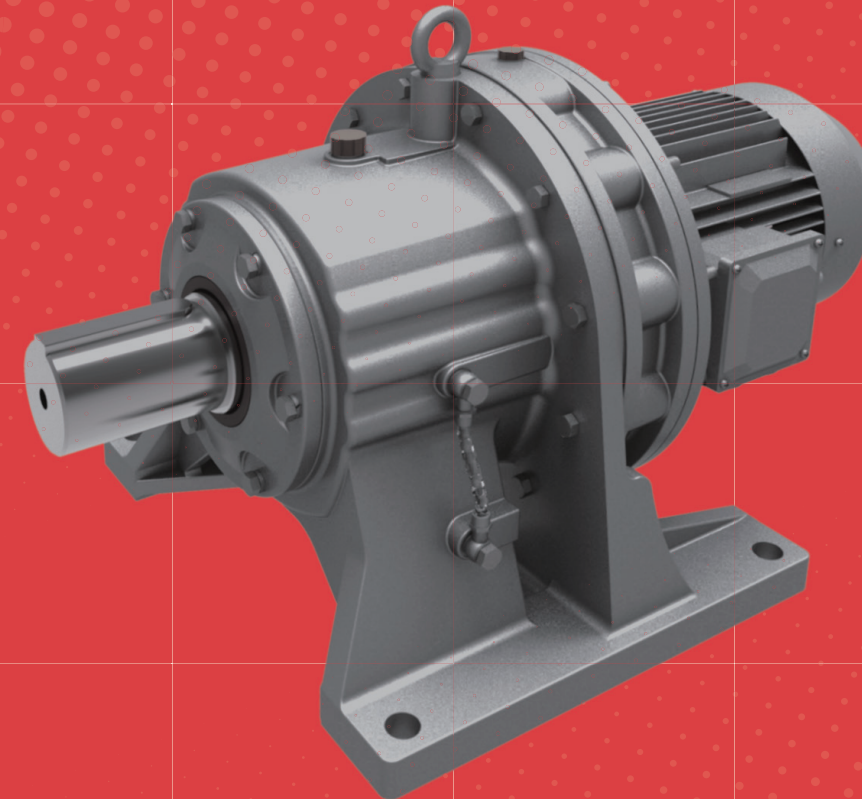
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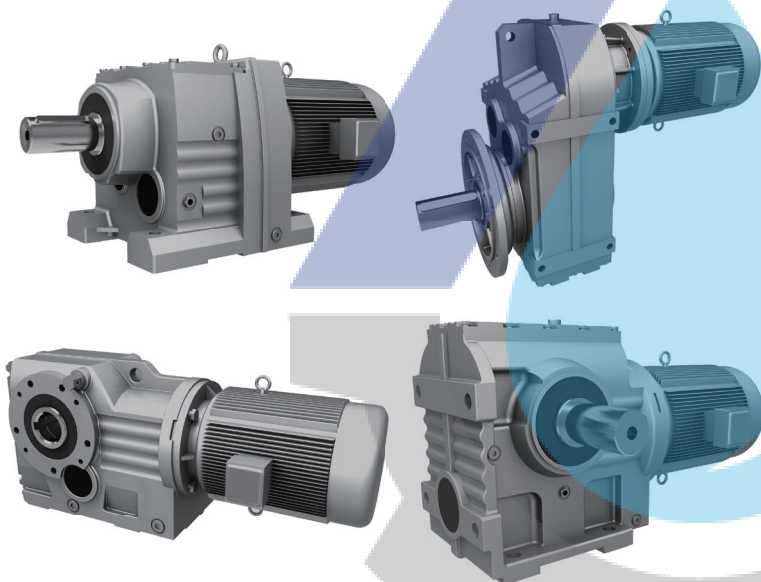
Cycloidal Reducer

NO.002
V2.1-2024

Product Overview

产品总览

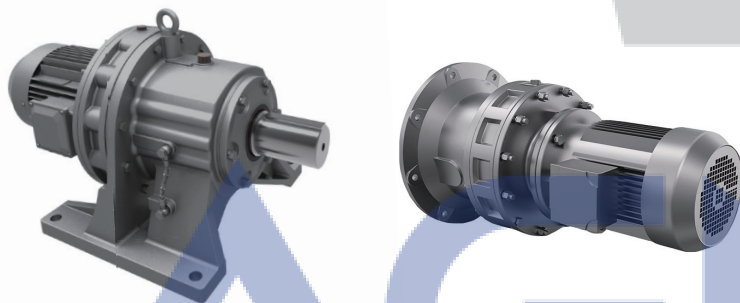
NO.001



G系列减速机

G Series Gear Reducer

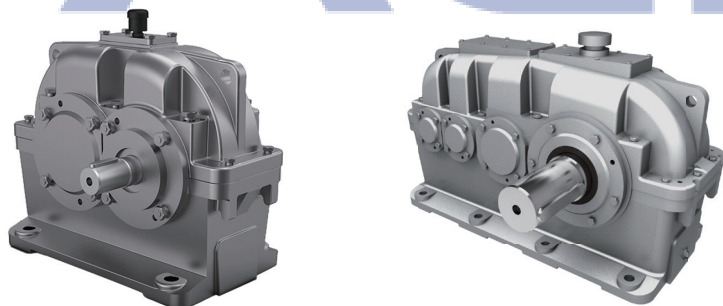
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摆线针轮减速机

Cycloidal Reducer

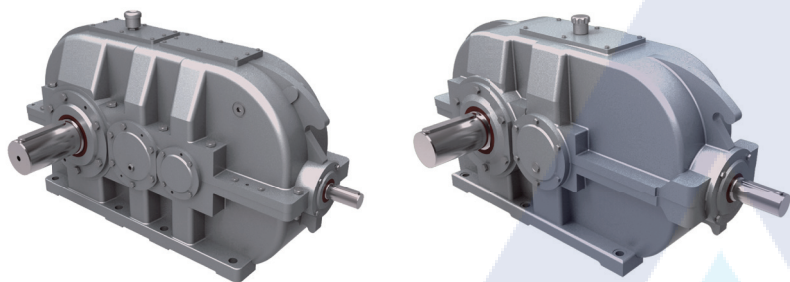
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ZY系列圆柱齿轮减速机

ZY Series Cylindrical Gear Reducer

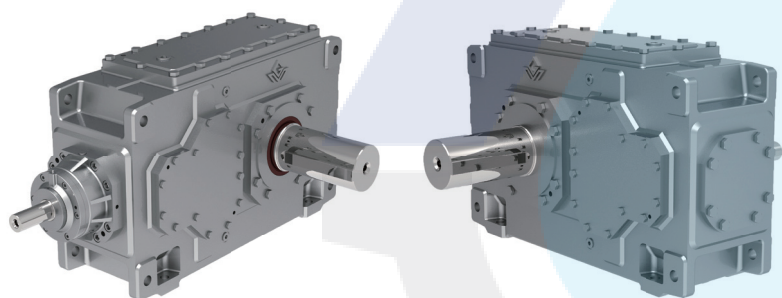
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DBY/DCY系列圆锥圆柱齿轮减速机

DBY/DCY Series Sevel Gear Reducer

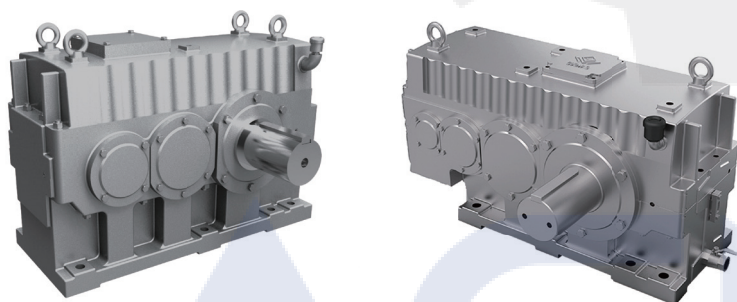
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HB系列齿轮箱

HB Series Gear Box

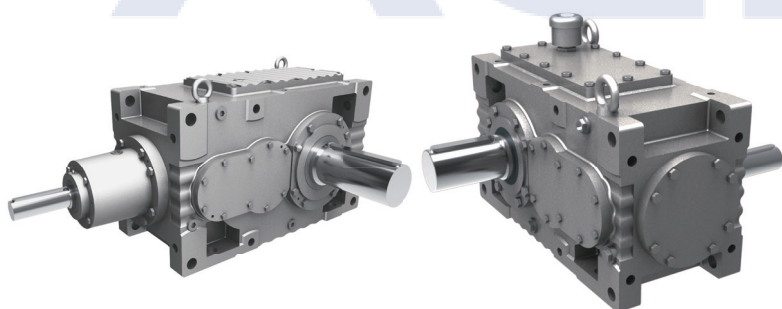
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GM系列齿轮减速机

GM Series Reducer

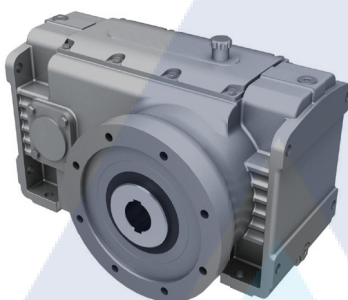
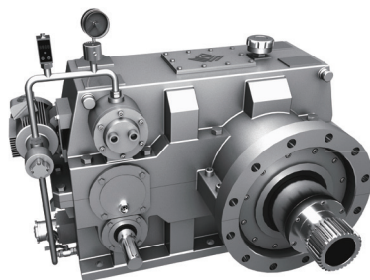
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GMC系列齿轮减速机

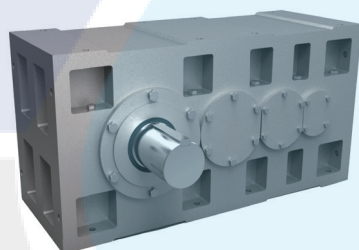
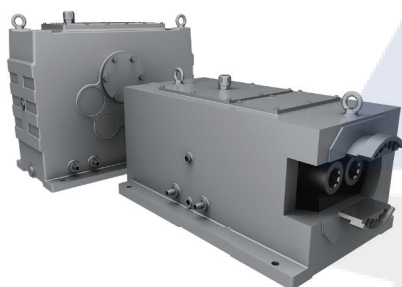
GMC Series Reducer

NO.006

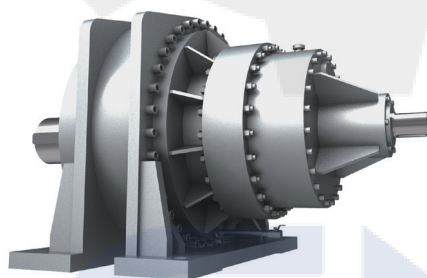
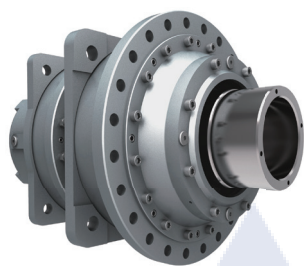


橡塑专用减速机

Plastic and Rubber Special Reducer



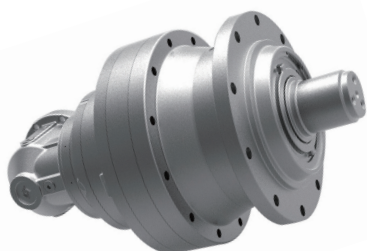
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GX系列行星齿轮减速机

GX Series Planetary Gear Reducer

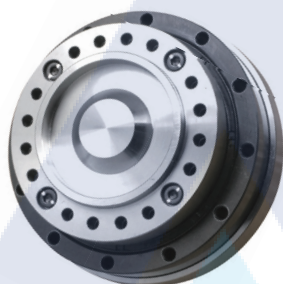
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工程机械减速机

Engineering Machinery Reducer

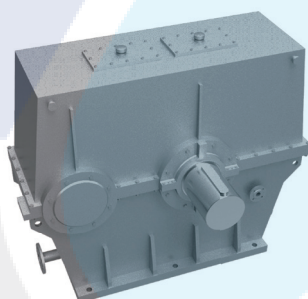
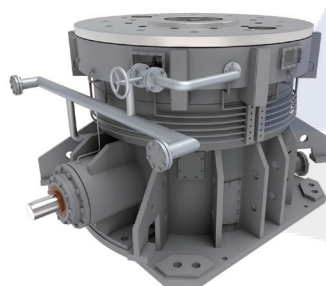
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精密减速机

Precision Reducer

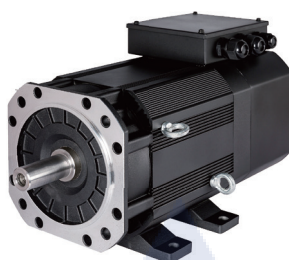
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重载齿轮箱

Heavy-duty Gearbox

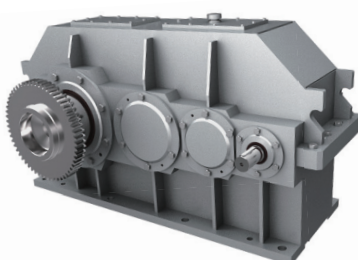
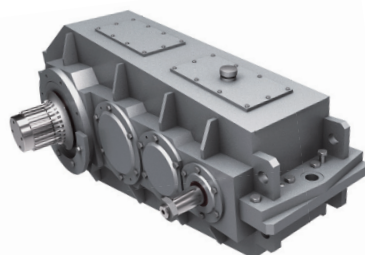
NO.011



交流感应伺服电机

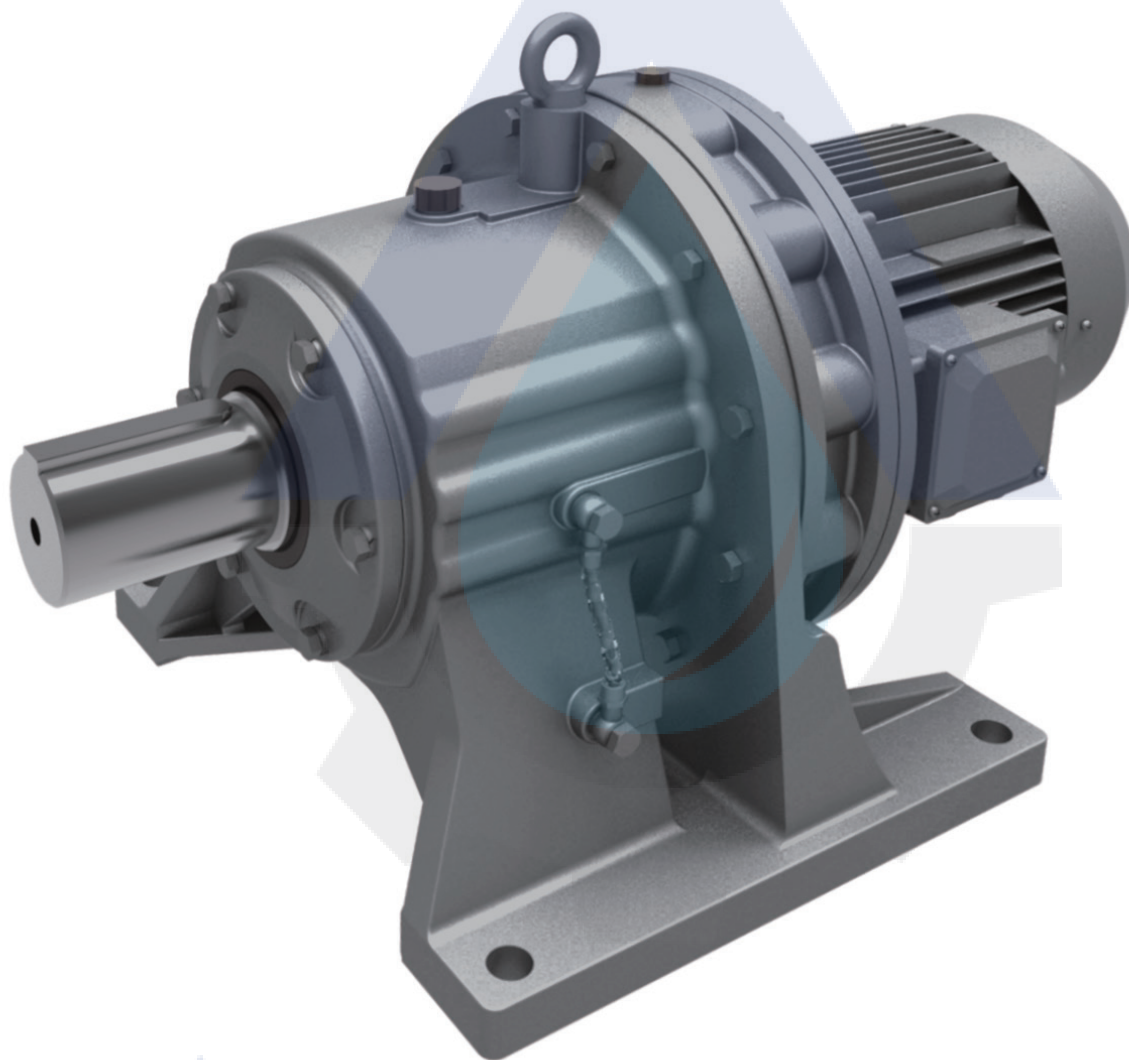
Ac Induction Servo Motor

NO.012



起重专用减速机

Lifting Special Reducer



Cycloidal Reducer

摆线针轮减速机

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Cycloidal pinwheel reducer

1 Product Overview

1.1 Product Features

Cycloidal pin gear reducer is referring to JB/T2982 with less tooth difference planetary transmission principle and cycloidal pin tooth meshing novel transmission machinery, widely used in textile printing and printing, light industry food, metallurgical miners, petrochemical, lifting and transportation and construction machinery in the field of drive and deceleration device.

1) High speed ratio and high efficiency

Single-stage transmission, you can achieve 1:87 deceleration ratio, efficiency of more than 90%, if the use of multi-stage transmission, deceleration ratio is greater.

2) Compact structure and small volume

Adopting the principle of planetary transmission, the input shaft and the output shaft are on the same axis, compact structure and small volume.

3) Easy assembly and disassembly, easy maintenance

Reasonable structure design, simple disassembly, easy maintenance.

4) Smooth operation and low noise

Cycloidal needle tooth meshing more teeth, overlap coefficient is large and has a stable mechanism, so that vibration and noise control in a minimum degree.

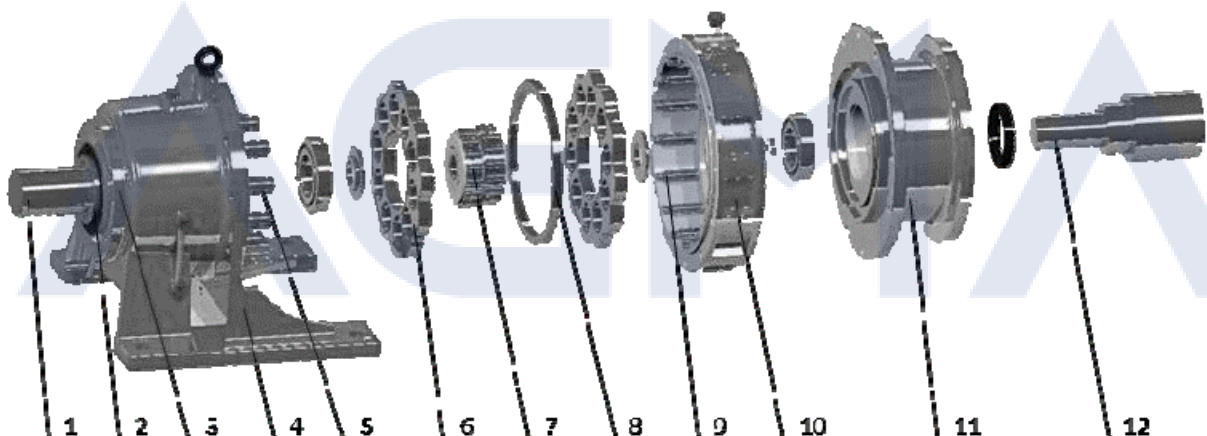
5) Long reliable service life

The main transmission meshing parts are made of bearing steel, good mechanical properties, smooth rolling friction, more durable and long life.

6) Strong overload capacity, impact resistance, small inertia moment

It is suitable for the occasions of frequent startup and positive and negative rotation.

1.2 Internal construction

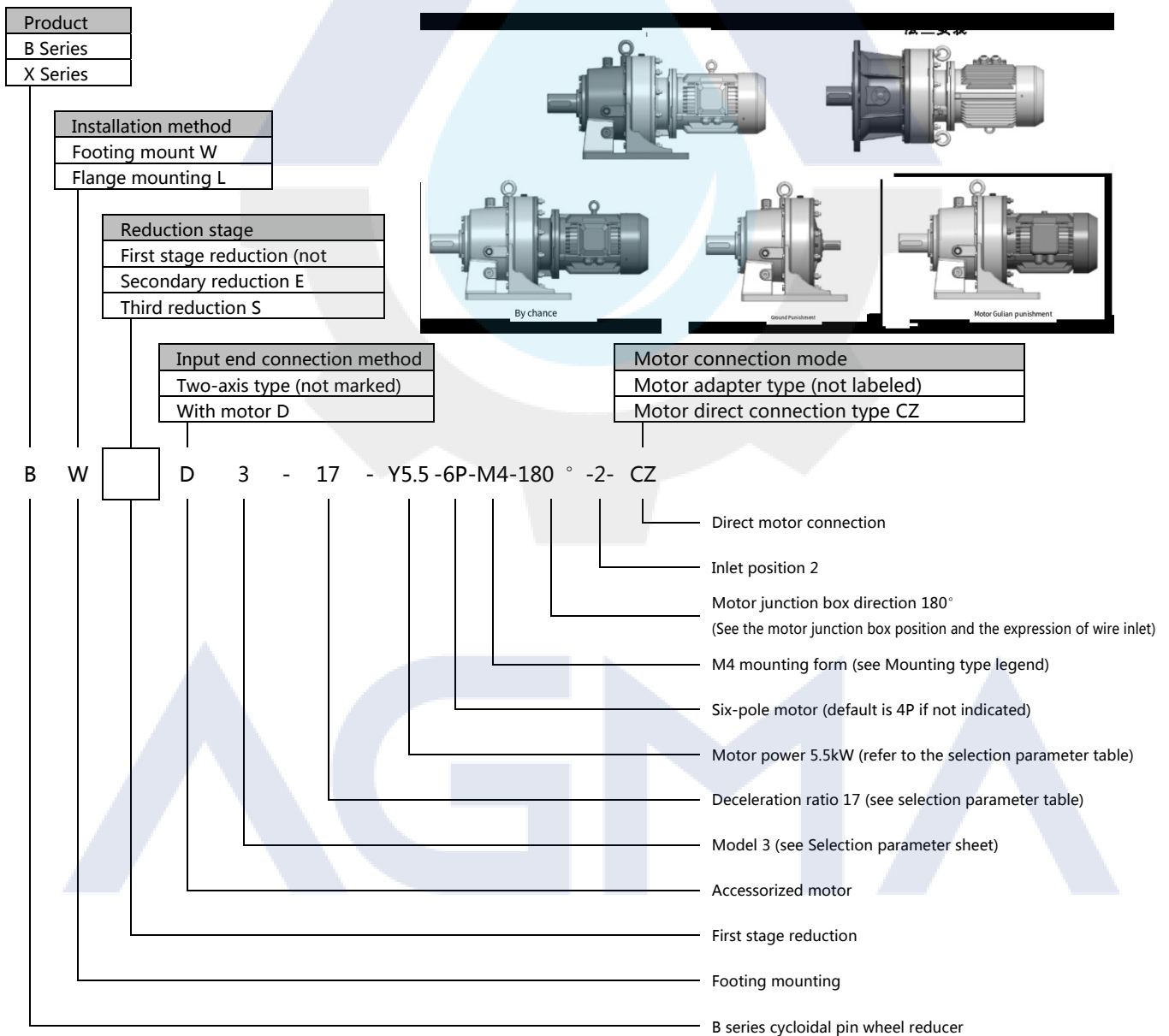


1 Output shaft 2 Fastening ring 3 Small end cap 4. Frame 5. Pin shaft, pin sleeve 6. Cycloidal wheel 7. Eccentric bearing 8. Spacer ring 9. Pin tooth pin, pin tooth sleeve
10. Needle gear housing 11. Motor connector 12. Input shaft

1.3 Model list

Grade 1	B Series	09	0	1	2	3	4		5	6	7	8	9	
	X Series	1	2	3	4	5	6	7	8	9	10	11	12	
Level 2	B Series	10	20	31	41	42	52	53	63	64	74	84	85	95
	X Series	32	42	53	63	64	84	85	95	96	106	117	118	128
Level Three	B Series	2009	320	420	531	631	742	852	953					
	X Series	421	542	642	853	953	1064	1184	1285					

1.4 Model representation Method



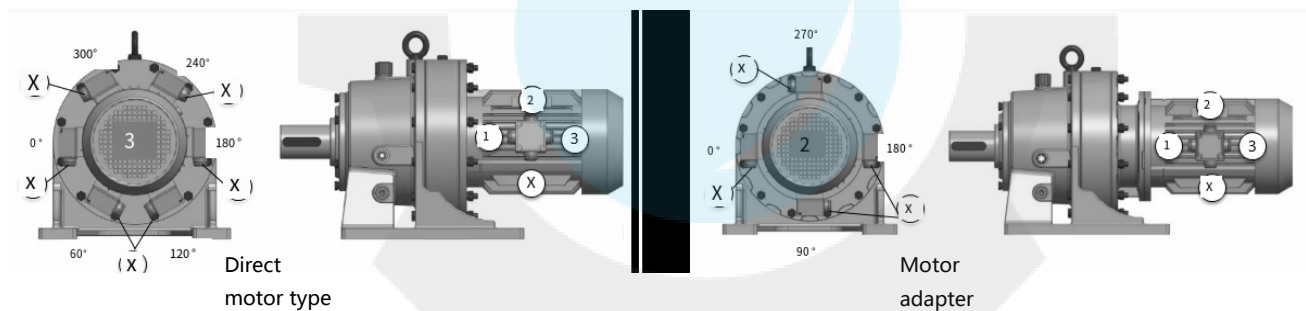
1.5 Reduction ratio at a glance

Level 1	7	9	11	13	15	17	19	23
	29	35	43	59	71	87		
Level 2	99 (11×9)	121 (11×11)	187 (17×11)	289 (17×17)	319 (29×11)	391 (23×17)	493 (29×17)	595 (35×17)
	649 (59×11)	731 (43×17)	841 (29×29)	1003 (59×17)	1225 (35×35)	1357 (59×23)	1505 (43×35)	1849 (43×43)
	2065 (59×35)	2537 (59×43)	3053 (71×43)	3481 (59×59)	4189 (71×59)	5133 (87×59)	6177 (87×71)	7569 (87×87)
Level Three	8041 ~ 658503							

Note: 1. Where the deceleration ratio provided by the first-stage transmission, the two-stage and three-stage transmission can be combined;

2. The general combination principle of the two-stage and three-stage reduction ratio is: the high-speed end is the end of the reduction ratio is small, and the low-speed end is the end of the reduction ratio is large.

1.6 Configure the position of the motor junction box and the expression method of the wire inlet



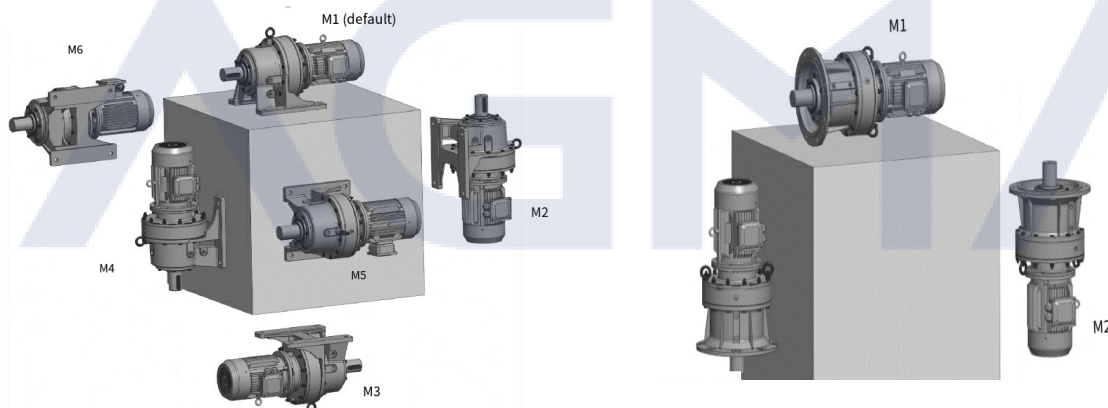
Note: 1. When the direction of the junction box is not indicated, the default position is 0° as shown in the figure; If the inlet position is not indicated, the default position is X;

2. The direction of the junction box shown in the figure is a common configuration, please use it first;

3. The above figure is also applicable to two and three drive models.

If you have any other special requirements, please contact our technical department.

1.7 Installation type legend



Note: In the case of footing installation, M1 is the default installation type; Flange type installation, M4 is the default installation type. (Can be ignored when writing the model) Please choose it first.

1.8 Reducer all kinds of standard model table

Reducer standard	First level													
JB/T2982-94A	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12		
JB/T2982-94B	B09	B0	B1	B2	B3	B4		B5	B6	B7	B8	B9		
JB/T2982-81		B12	B15	B18	B22	B27		B33	B39	B45	B55	B65		
Shanghai Mark	B10A	B10	B11	B12	B13	B14	B14A	B15	B16	B17	B18	B19		
			B11A	B12B	B13B				B16B					
Reducer standard	Second level													
JB/T2982-94A	X32	X42	X53	X63	X64	X74	X84	X85	X95	X96	X106	X117	X118	X128
JB/T2982-94B	B10	B20	B31	B41	B42		B52	B53	B63	B64	B74	B84	B85	B95
JB/T2982-81	B1512	B1812	B2215	B2715	B2718		B3318	B3322	B3922	B3927	B4527	B5527	B5533	B6533
Shanghai Mark	B110A	B120A	B131A	B141A	B142A		B152	B153	B163	B164	B174	B184A		B195

Note: Different standards corresponding to Type size, the performance indicators are basically the same, the shape, installation and connection size are slightly different. The above models can be produced by our company, please give priority to JB/T2982 standard products.

2 Selection Procedure of information

2.1 Selection Steps

1. Selection of installation method

Generally determined by the user according to the installation layout form.

2. Determine the actual working condition coefficient f_A

1) General use requirements

f_A is mainly determined by the load characteristics of the working machine, working time and the number of starts and stops. That is: $f_A = f_{Ah} \times f_{Ac}$.

Where f_{Ah} is the working condition coefficient determined by two factors: load characteristics and working time. f_{Ah} of commonly used working machine can be selected by reference to working condition coefficient f_{Ah} . The working condition coefficient of other working machines can be determined by analogy.

In the formula, f_{Ac} is determined by the number of starts and stops. It can be determined by referring to the working condition coefficient f_{Ac} of the table. Note that start and stop should be counted once each.

2) Special use requirements

If the ambient temperature is particularly high, consider increasing the temperature working condition coefficient f_{At} . Refer to the table working condition coefficient f_{At} to determine.

If you want the reducer to have a particularly high reliability, you must increase the necessary safety factor f_{As} .

If the value is not certain, please contact our technical department.

3. Confirm the model (specification)

Must meet $f_B \geq f$

1) The motor is directly connected with the reducer or connected through a coupling

a, find the corresponding motor power and pole number in the selection parameter table.

b, under this power and pole number, initially select a model with a similar transmission ratio, and record its use factor f_B .

c, comparison, if the condition $f_B \geq f_A$ is met, it is the available model. Otherwise, increase the model until the condition is met.

2) There is a pre-deceleration connection between the motor and the reducer

Such as between the motor and the reducer through the gear, belt, sprocket and other reduction gear connection, due to the increase in input torque, the motor power must be converted to the reducer input shaft, that is, the motor power multiplied by the transmission ratio of the front reduction device. With the converted power, select according to the method in the preceding (1). At this time, it is still necessary to note that the number of motor poles is unchanged.

4. Radial load check

When the shaft head of the reducer is equipped with gears, belt wheels and sprockets, a large radial load will be generated. At this time, the radial load test must be carried out. The method is described in the definition of Selection Procedure of parameters. If the radial load exceeds the allowable value, larger models can be selected.

2.2 Working condition factor List

Working condition factor f							
Application	8h/	16h/	24h/	Apply	8h/	16h/	24h/
Food industry				Mill			
Grinder	1.75	2	2.25	Ball mill, rod mill	1.75	1.75	1.75
Beet slicer Kneading machine	1.25	1.5	1.75	Hammer mill, crusher	1.5	1.75	2
Meat Grinder	1.25	1.5	1.5	Printing and paper making			
Filling machines	0.8 to	1	1.25	Cutter	1	1.25	1.5
Dough maker	1	1.25	1.5	Reel	0.8 ~	1	1.25
Squeezer	1.25	1.5	1.75	Baling feeder	1	1.25	1.25
Cane cutter	1.75	1.75	1.75	Elevator			
Sugar squeezer	1.75	1.75	1.75	Elevator	1.25	1.5	1.75
Toaster	1.25	1.25	1.25	Freight elevator	1.25	1.5	1.75
Auxiliary power, servo motor				escalator	1.25	1.25	1.5
Fretting device, no load	0.8 to			Textile industry			
Common Loads	1.25	1.25	1.25	Loom	1.25	1.5	1.75
Compressor				Spinning machine	0.8 to	1	1.25
Centrifugal	1	1.25	1.5	Washing machine	1	1.25	1.5
Axial flow	1	1.25	1.5	conveyor			
Filter	1	1.25	1.5	Bucket conveyor	1.5	1.75	1.75
Construction				Balance loading or feeding	0.8 to	1	1.25
Cement mixer	1.25	1.5	1.75	Heavy duty chain and screw	1.25	1.5	1.5
Cement Plant	1.5	1.75	2	Vibrating conveyor	1.5	1.75	2
Stucco jet	0.8 ~	1	1.25	Winch	1.5	1.75	1.75
Generator	0.8 ~	1	1.25	Belt conveyor	1.25	1.5	1.5
Water treatment, environmental				Winch	1.5	1.75	1.75
Aerator	1.75	2	2	Scraper conveyor	1.25	1.25	1.5
General ventilation	1.5	1.5	1.5	Fan			
Carousel ventilation	1.75	1.75	1.75	Centrifugal fan	0.8 to	1	1.25
Bar grid sieve gatherer	0.8 to	1	1.25	Industrial fan	1	1.25	1.5
Screw pump	1	1.25	1.5	Cooling Tower Power	1.75	1.75	1.75
Sieve				Cooling tower fan	1.75	2	2
Rotary (stone, sand)	1	1.25	1.5	Packaging machinery			
Marching water absorbers	0.8 to	1	1.25	Cardboard stacking machine	1.25	1.5	1.75
Farm machinery				Baler	0.8 to	1	1.25
Fertilizer leveler	0.8 ~	1		Machine tool equipment			
Harvester	0.8 ~	1		Flat planer, gantry planer, bending mill	1.25	1.5	1.75
Lifting machinery							
Walking mechanism	1.5	1.75	2	Main power, feed power	1	1.25	1.5
Slewing mechanism	1.25	1.5	2	Feed and auxiliary power	0.8 to	1	1.25
Lifting mechanism	1.25	1.5	1.75	Press	1.75	2	2
Swivel crane	1.25	1.5	1.75	Bender	1.5	1.75	2
Mixer				Plate shears	1.75	2	2
Uniform density	1.25	1.5	1.5	Steel industry			
Uneven density	1.5	1.75	1.75	Wire puller	1.25	1.5	1.75
Wood and plastics industries				Winding machines	1.25	1.75	1.75
The main power of the chainsaw	1.5	1.75	2	Roll table: no rotation			
Feed power for chainsaw	1	1.25	1.5	- Combined pull	1.25	1.5	1.75
Wood cutter	1.5	1.75	2	- Independent drive	1.5	1.75	2
Plywood gluer	0.8 to	1	1.25	pump			
Drill	0.8 ~	1	1.25	Centrifugal fan	1	1.25	1.5
Squeezer	1.25	1.5	1.75	Rotary type, gear type, impeller type, blade type	0.8 ~ 1	1	1.25
Blender				Piston pump: single cylinder	1.5	1.75	2
Pure liquid (even density)	1.25	1.5	1.5	Multiple cylinders	1.25	1.5	1.75
Liquid of non-uniform density	1.5	1.75	2	Screw pump	1	1.25	1.5
Liquids and solids	1.5	1.75	2				

Working condition factor f	
Starts and stops/per hour	
< 10	1
< 100	1.15
< 500	1.25

Working condition factor f					
Environment	+ 20 °C...	+ 20 °C...	+ 30 °C...	+ 40 °C...	+ 50 °C.
Temperature		+ 30 °C...	+ 40 °C...	+ 50 °C.	+ 60 °C...
f _{At}	1	1.05	1.15	1.3	1.5

Note: *=0.8, if the running time is less than 3 hours/day, there is no radial load.

These working conditions are especially suitable for occasions where the motor is the main power. For special application design, such as start-stop and reversible frequent occasions, please contact our technical department.

2.3 Selection Procedure of parameter interpretation

Selection Procedure of parameter table:

P[kW] : motor power.

n_a[r/min] : indicates the output speed. Reference motor full speed and gear ratio of the reducer calculated, the unit is RPM/min.

M_a[Nm] : the torque that can be generated on the output shaft when the motor is fully loaded. This output torque has taken into account the transmission efficiency of the reducer.

[i] : the reduction ratio of the reducer from input to output.

F_{ra}[kN] : the allowable radial load at the midpoint of the output shaft extension (when the load is applied at the end of the shaft, the F_{ra} in the table should be multiplied by 0.4). The product of the actual radial load F_r of the working element and the actual working condition factor f_A shall not be greater than this value, that is, f_A × F_{ra} ≤ F (f_A can refer to the description in step 2 of selection).

The F_r value of the general working element can be obtained from the following formula:

$$F_r = M_r \times f_r / r \text{ (N)}$$

Where: M_r - working torque (Nm) of the working element

r - pitch circle radius of working element (m)

f_r - radial load factor (can refer to the following values)

Single row sprocket	f _r =1	V-belt	F _r = 1.5,
One gear or double row of sprockets	F _r = 1.25,	Flat band	F _r = 2.5,

f_B: Service factor, the ratio of the rated power of the reducer to the rated power of the motor used. It is the strength basis for selecting the reducer specification.

Model number: that is, the model and specification number of the reducer (see deceleration model number list for details). Its structure size can be consulted the corresponding outline installation size chart.

Number of poles: the number of motor poles, reducer can be configured with four poles and more pole motor.

2.4 Radial force check

When the actual application point is not in the middle of the output shaft extension, the allowable radial force in the Selection Procedure of table needs to be calculated by the following formula.



When $0 \leq X < L/2$ $F_x = [1.25 - (X/2L)] \times F_{ra}$ [N]

$F = F_x$ when $X = L/2$ [N]

When $L/2 < X \leq L$ $F_x = [1.6 - (1.2X/L)] \times F_{ra}$ [N]

F_{ra} - the allowable load given in the selection table (acting at $X=L/2$)

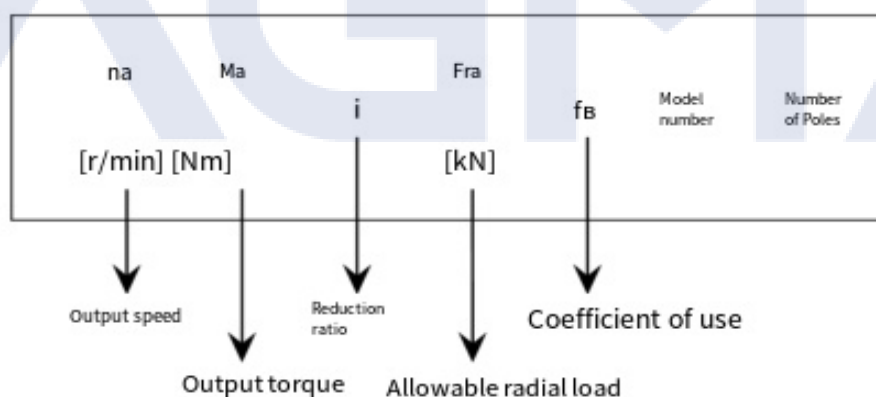
F_x -- the allowable radial load at the actual point of operation

X - the distance from the shoulder of the shaft in the sample to the actual point of application of the load

L -- elongation of output shaft (given length in this sample, refer to outline mounting dimensions chart)

The product of the actual radial load F_r of the working element and the actual working condition factor f_A shall not be greater than the allowable radial load F_x of the actual operating point, that is $f_A \times F_r \leq F_x$

2.5 Type selection parameter sheet notes



2.6 Selection Parameter Sheet

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles		
0.18 kW			frequency	Hz	50		0.18 kW			Frequency	Hz	50			
			Number of Poles	P	4	6				Number of Poles	P	4	6		
			RPM n	r/min	1315	850				RPM n	r/min	1315	850		
0.26	600	5133	8.0	O	B20 X42	4P	30.6	51	43	1.2	1.35	B09 X1	4P		
0.31	600	4189	8.0	O			37.6	41	35	1.2	1.85				
0.38	600	3481	8.0	O			45.3	34	29	1.2	1.85				
0.43	600	3053	8.0	O			57.2	27	23	1.0	1.85				
0.52	600	2537	8.0	O			77.4	20	17	1.0	2.75				
0.64	600	2065	8.0	O			87.7	18	15	1.0	2.75				
0.71	600	1849	8.0	O			101.2	15	13	0.8	2.75				
0.81	600	1633	8.0	O			119.5	13	11	0.8	2.75				
0.87	600	1505	8.0	O			0.25 kW			Frequency	Hz			50	
0.97	600	1357	8.0	O						Number of Poles	P			4	6
1.1	600	1225	8.0	O	RPM n	r/min				1340	855				
1.3	600	1003	8.0	O	B41 X63	4P	0.22	2500	6177	15.7	O	B31 X53	4P		
1.6	600	841	8.0	O			0.26	2500	5133	15.7	O				
1.8	600	731	8.0	O			0.32	2500	4189	15.7	O				
2.0	600	649	8.0	O			0.38	2500	3481	15.7	O				
2.2	583	595	8.0	1.00			0.44	2500	3053	15.7	O				
2.7	483	493	8.0	1.20			0.53	2500	2537	15.7	O				
3.4	383	391	8.0	1.55			0.65	2500	2065	15.7	O				
4.1	313	319	8.0	1.90			0.72	2489	1849	15.7	1.00				
4.6	283	289	8.0	2.10			0.82	2199	1633	15.7	1.10				
5.2	248	253	8.0	2.40			0.89	2026	1505	15.7	1.20				
7.0	183	187	8.0	3.25	1.0	1813	1357	15.7	1.35	B10 X32	4P				
8.0	162	165	8.0	3.65	1.1	1637	1225	15.7	1.50						
9.2	140	143	8.0	3.75	1.3	1340	1003	15.7	1.85						
10.9	119	121	8.0	3.75	1.6	1124	841	15.7	2.20						
0.31	240	4189	5.2	O	1.8	977	731	15.7	2.50						
0.38	240	3481	5.2	O	2.1	867	649	15.7	2.85						
0.43	240	3053	5.2	O	2.3	795	595	15.7	3.10						
0.52	240	2537	5.2	O	2.7	659	493	15.7	3.75						
0.64	240	2065	5.2	O	0.22	1250	6177	11.6	O						
0.71	240	1849	5.2	O	0.26	1250	5133	11.6	O						
0.81	240	1633	5.2	O	0.32	1250	4189	11.6	O						
0.87	240	1505	5.2	O	0.38	1250	3481	11.6	O						
1.0	240	1357	5.2	O	0.44	1250	3053	11.6	O						
1.1	240	1225	5.2	O	0.53	1250	2537	11.6	O						
1.3	240	1003	5.2	O	0.65	1250	2065	11.6	O						
1.6	240	841	5.2	O	0.72	1250	1849	11.6	O						
1.8	240	731	5.2	O	0.82	1250	1633	11.6	O						
2.0	240	649	5.2	O	0.89	1250	1505	11.6	O						
2.2	240	595	5.2	O	1.0	1250	1357	11.6	O	B31 X53	4P				
2.7	240	493	5.2	O	1.1	1250	1225	11.6	O						
3.4	240	391	5.2	O	1.3	1250	1003	11.6	O						
4.1	240	319	5.2	O	1.6	1124	841	11.6	1.10						
4.6	240	289	5.2	O	1.8	977	731	11.6	1.25						
5.2	240	253	5.2	O	2.1	867	649	11.6	1.40						
7.0	183	187	5.2	1.30	2.3	795	595	11.6	1.55						
8.0	162	165	5.2	1.45	2.7	659	493	11.6	1.85						
9.2	140	143	5.2	1.70	3.4	522	391	11.6	2.35						
10.9	119	121	5.2	1.95	4.2	426	319	11.6	2.90						
13.3	97	99	5.2	2.40	4.6	386	289	11.6	3.20						
22.3	69	59	3.0	1.85	5.3	338	253	11.6	3.65						
30.6	51	43	3.0	2.75	B0 X2	4P	0.26	600	5133	8.0	O	B20 X42	4P		
37.6	41	35	2.9	2.75			0.32	600	4189	8.0	O				
45.3	34	29	2.9	4.10			0.38	600	3481	8.0	O				
57.2	27	23	2.4	4.10			0.44	600	3053	8.0	O				

Note: 1. With * model can not be configured with direct motor;

Note: 1. With "Model" can not be configured with direct motor,
Do not use 100% motor power for the models with "f₈" in column. Keep the load torque below "Ma" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number:

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles
0.25 kW							0.25 kW						
0.53	600	2537	8.0	O			31.2	69	43	1.2	0.95		
0.65	600	2065	8.0	O			38.3	56	35	1.2	1.35		
0.72	600	1849	8.0	O			46.2	47	29	1.2	1.35		
0.82	600	1633	8.0	O			58.3	37	23	1.0	1.35		
0.89	600	1505	8.0	O			78.8	27	17	1.0	1.95		
1.0	600	1357	8.0	O			89.3	24	15	1.0	1.95		
1.1	600	1225	8.0	O			103.1	21	13	0.8	1.95		
1.3	600	1003	8.0	O			121.8	18	11	0.8	1.95		
1.6	600	841	8.0	O			148.9	14	9	0.8	2.60		
1.8	600	731	8.0	O			0.37 kW						
2.1	600	649	8.0	O									
2.3	600	595	8.0	O									
2.7	600	493	8.0	O			0.22	2500	6177	15.7	O		
3.4	522	391	8.0	1.10			0.26	2500	5133	15.7	O		
4.2	426	319	8.0	1.35			0.32	2500	4189	15.7	O		
4.6	386	289	8.0	1.50			0.38	2500	3481	15.7	O		
5.3	338	253	8.0	1.75			0.44	2500	3053	15.7	O		
7.2	250	187	8.0	2.35			0.53	2500	2537	15.7	O		
8.1	220	165	8.0	2.70			0.65	2500	2065	15.7	O		
9.4	191	143	8.0	3.10			0.72	2500	1849	15.7	O		
11.1	162	121	8.0	3.65			0.82	2500	1633	15.7	O		
0.32	240	4189	5.2	O			0.89	2500	1505	15.7	O		
0.38	240	3481	5.2	O			0.99	2500	1357	15.7	O		
0.44	240	3053	5.2	O			1.1	2500	1225	15.7	O		
0.53	240	2537	5.2	O			1.3	1984	1003	15.7	1.00		
0.65	240	2065	5.2	O			1.6	1663	841	15.7	1.20		
0.72	240	1849	5.2	O			1.8	1446	731	15.7	1.40		
0.82	240	1633	5.2	O			2.1	1284	649	15.7	1.60		
0.89	240	1505	5.2	O			2.3	1177	595	15.7	1.75		
1.0	240	1357	5.2	O			2.7	975	493	15.7	2.10		
1.1	240	1225	5.2	O			3.4	773	391	15.7	2.65		
1.3	240	1003	5.2	O			4.2	631	319	15.7	3.25		
1.6	240	841	5.2	O			4.6	572	289	15.7	3.60		
1.8	240	731	5.2	O			0.22	1250	6177	11.6	O		
2.1	240	649	5.2	O			0.26	1250	5133	11.6	O		
2.3	240	595	5.2	O			0.32	1250	4189	11.6	O		
2.7	240	493	5.2	O			0.38	1250	3481	11.6	O		
3.4	240	391	5.2	O			0.44	1250	3053	11.6	O		
4.2	240	319	5.2	O			0.53	1250	2537	11.6	O		
4.6	240	289	5.2	O			0.65	1250	2065	11.6	O		
5.3	240	253	5.2	O			0.72	1250	1849	11.6	O		
7.2	240	187	5.2	O			0.82	1250	1633	11.6	O		
8.1	220	165	5.2	1.05			0.89	1250	1505	11.6	O		
9.4	191	143	5.2	1.20			1.0	1250	1357	11.6	O		
11.1	162	121	5.2	1.45			1.1	1250	1225	11.6	O		
13.5	132	99	5.2	1.80			1.3	1250	1003	11.6	O		
18.9	114	71	5.2	2.05			1.6	1250	841	11.6	O		
22.7	95	59	4.8	2.50			1.8	1250	731	11.6	O		
28.5	75	47	4.4	3.15			2.1	1250	649	11.6	O		
31.2	69	43	4.3	3.45			2.3	1177	595	11.6	1.05		
22.7	95	59	3.0	1.35			2.7	975	493	11.6	1.25		
31.2	69	43	3.0	2.00			3.4	773	391	11.6	1.60		
38.3	56	35	2.9	2.00			4.2	631	319	11.6	1.95		
46.2	47	29	2.9	2.95			4.6	572	289	11.6	2.15		
58.3	37	23	2.4	2.95			5.3	500	253	11.6	2.45		

Note: 1. Models with * can not be configured with direct motor;
 Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.
 3. All models can be configured with 6P and 8P motors corresponding to the same motor Type size;
 4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_b	Model number	Number of Poles	n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_b	Model number	Number of Poles
0.37 kW							0.55 kW						
			Frequency	Hz	50					Frequency	Hz	50	
			Number of Poles	P	4	6				Number of Poles	P	4	6
			RPM n	r/min	1340	885				RPM n	r/min	1390	885
7.2	370	187	11.6	3.35	B31	4P	0.67	5000	2065	33.1	O	B52 X84	4P
8.1	326	165	11.6	3.60	X53		0.75	5000	1849	33.1	O		
2.1	600	649	8.0	O			0.85	4628	1633	33.1	1.05		
2.3	600	595	8.0	O			0.92	4265	1505	33.1	1.15		
2.7	600	493	8.0	O		4P	1.0	3846	1357	33.1	1.30	B42/X64/X74	4P
3.4	600	391	8.0	O			1.1	3472	1225	33.1	1.40		
4.2	600	319	8.0	O			1.4	2843	1003	33.1	1.75		
4.6	572	289	8.0	1.00	B20		1.7	2383	841	33.1	2.05		
5.3	500	253	8.0	1.15	X42	4P	1.9	2072	731	33.1	2.40	B41 X63	4P
7.2	370	187	8.0	1.60			2.1	1839	649	33.1	2.70		
8.1	326	165	8.0	1.80			2.3	1686	595	33.1	2.95		
9.4	283	143	8.0	2.10			2.8	1397	493	33.1	3.55		
11.1	239	121	8.0	2.45		4P	0.18	2500	7569	15.7	O	B31 X53	4P
13.5	196	99	8.0	2.70			0.75	2500	1849	15.7	O		
5.3	240	253	5.2	O			0.85	2500	1633	15.7	O		
7.2	240	187	5.2	O			0.92	2500	1505	15.7	O		
8.1	240	165	5.2	O	B10	4P	1.0	2500	1357	15.7	O	B20 X42	4P
9.4	240	143	5.2	O	X32		1.1	2500	1225	15.7	O		
11.1	240	121	5.2	O			1.4	2500	1003	15.7	O		
13.5	196	99	5.2	1.20			1.7	2383	841	15.7	1.00		
18.9	169	71	5.2	1.40		4P	1.9	2072	731	15.7	1.20	B09 X1	4P
22.7	140	59	4.8	1.70			2.1	1839	649	15.7	1.35		
28.5	112	47	4.4	2.10	B1		2.3	1686	595	15.7	1.45		
31.2	102	43	4.3	2.30	X3		2.8	1397	493	15.7	1.75		
38.3	83	35	3.8	2.85		4P	3.6	1108	391	15.7	2.25	B0 X2	4P
46.2	69	29	3.2	3.45			4.4	904	319	15.7	2.75		
22.7	140	59	3.0	0.90			4.8	819	289	15.7	3.05		
31.2	102	43	3.0	1.35			5.5	717	253	15.7	3.45		
38.3	83	35	2.9	1.35		4P	1.4	1250	1003	11.6	O	B31 X53	4P
46.2	69	29	2.9	2.00			1.7	1250	841	11.6	O		
58.3	55	23	2.4	2.00			1.9	1250	731	11.6	O		
78.8	40	17	2.3	2.70	B0		2.1	1250	649	11.6	O		
89.3	36	15	2.2	2.70	X2	4P	2.3	1250	595	11.6	O	B20 X42	4P
103.1	31	13	2.0	2.70			2.8	1250	493	11.6	O		
121.8	26	11	1.9	2.70			3.6	1108	391	11.6	1.10		
148.9	21	9	1.9	2.70			4.4	904	319	11.6	1.35		
191.4	17	7	1.5	2.70		4P	4.8	819	289	11.6	1.50	B10 X32	4P
38.3	83	35	1.2	0.90			5.5	717	253	11.6	1.70		
46.2	69	29	1.2	0.90			7.4	530	187	11.6	2.35		
58.3	55	23	1.0	0.90			8.4	468	165	11.6	2.65		
78.8	40	17	1.0	1.35	B09	4P	9.7	405	143	11.6	3.05	B52 X84	4P
89.3	36	15	1.0	1.35	X1		11.5	343	121	11.6	3.60		
103.1	31	13	0.8	1.35			3.6	600	391	8.0	O		
121.8	26	11	0.8	1.35			4.4	600	319	8.0	O		
148.9	21	9	0.8	2.00		4P	4.8	600	289	8.0	O	B52 X84	4P
0.18	5000	7569	33.1	O			5.5	600	253	8.0	O		
0.23	5000	6177	33.1	O			7.4	530	187	8.0	1.10		
0.27	5000	5133	33.1	O			8.4	468	165	8.0	1.25		
0.33	5000	4189	33.1	O	B52	4P	9.7	405	143	8.0	1.45	B10 X32	4P
0.40	5000	3481	33.1	O	X84		11.5	343	121	8.0	1.70		
0.46	5000	3053	33.1	O			14.0	281	99	8.0	1.80		
0.55	5000	2537	33.1	O			8.4	240	165	5.2	O	B52 X84	4P
							9.7	240	143	5.2	O		
							11.5	240	121	5.2	O		
							14.0	240	99	5.2	O		

Note: 1. With * model can not be configured with direct motor;

Do not use 100% motor power for the models with "f_b" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles			
0.55 kW			Frequency Hz		50		0.75 kW			Frequency Hz		50				
			Number of Poles P		4	6				Number of Poles P		4	6			
			Speed n	r/min	1390	885				RPM n	r/min	1385	910			
16.0	247	87	11.6	3.65	B3*	4P	0.33	5000	4189	33.1	O	B52 X84	4P			
19.6	201	71	11.6	3.65	X5*		0.40	5000	3481	33.1	O					
16.0	296	87	8.0	1.80	B2 X4		0.45	5000	3053	33.1	O					
19.6	241	71	8.0	1.80			0.55	5000	2537	33.1	O					
23.6	201	59	7.4	2.70		0.67	5000	2065	33.1	O						
29.6	160	47	6.8	3.65		0.75	5000	1849	33.1	O						
32.3	146	43	6.7	3.65	B1 X3	0.85	5000	1633	33.1	O	B41 X63			4P		
39.7	119	35	6.0	3.65		0.92	5000	1505	33.1	O						
19.6	241	71	5.2	0.90		1.0	5000	1357	33.1	O						
23.6	201	59	4.8	1.25		1.1	4751	1225	33.1	1.05						
29.6	160	47	4.4	1.50	B0 X2	1.4	3890	1003	33.1	1.25		B31 X53	4P			
32.3	146	43	4.3	1.60		1.6	3262	841	33.1	1.50						
39.7	119	35	3.8	2.00		1.9	2835	731	33.1	1.75						
47.9	99	29	3.8	2.40		2.1	2517	649	33.1	1.95						
60.4	78	23	3.2	3.05	B09 X1	2.3	2308	595	33.1	2.15					B20 X42	4P
81.8	58	17	3.0	3.65		2.8	1912	493	33.1	2.60						
92.7	51	15	2.9	3.65		3.5	1517	391	33.1	3.30						
106.9	44	13	2.8	3.65		1.0	2500	1357	15.7	O						
32.3	146	43	3.0	0.90	B0	1.1	2500	1225	15.7	O	B10 X32			4P		
39.7	119	35	2.9	0.90		1.4	2500	1003	15.7	O						
47.9	99	29	2.9	1.35		1.6	2500	841	15.7	O						
60.4	78	23	2.4	1.35		1.9	2500	731	15.7	O						
81.8	58	17	2.3	1.80	B09 X1	2.1	2500	649	15.7	O		B3*	4P			
92.7	51	15	2.2	1.80		2.3	2308	595	15.7	1.05						
106.9	44	13	2.0	1.80		2.8	1912	493	15.7	1.30						
126.4	37	11	1.9	1.80		3.5	1517	391	15.7	1.65						
154.4	31	9	1.9	1.80	B09 X1	4.3	1237	319	15.7	2.00					X5*	4P
198.6	24	7	1.8	1.80		4.8	1121	289	15.7	2.20						
81.8	58	17	1.0	0.90		5.5	981	253	15.7	2.55						
92.7	51	15	1.0	0.90		7.4	725	187	15.7	3.45						
106.9	44	13	0.8	0.90	B09 X1	2.1	1250	649	11.6	O	B31 X53			4P		
126.4	37	11	0.8	0.90		2.3	1250	595	11.6	O						
154.4	31	9	0.8	1.20		2.8	1250	493	11.6	O						
0.75 kW			Frequency Hz			50		3.5	1250	391		11.6	O			
			Number of Poles P		4	6	4.3	1237	319	11.6		1.00				
			RPM n	r/min	1385	910	4.8	1121	289	11.6		1.10	B20 X42			
0.18	8800	7569	52.9	O	5.5	981	253	11.6	1.25							
0.22	8800	6177	52.9	O	7.4	725	187	11.6	1.70							
0.27	8800	5133	52.9	O	8.4	640	165	11.6	1.95							
0.33	8800	4189	52.9	O	9.7	555	143	11.6	2.25							
0.40	8800	3481	52.9	O	11.4	469	121	11.6	2.65							
0.45	8800	3053	52.9	O	14.0	384	99	11.6	3.25							
0.55	8800	2537	52.9	O	4.8	600	289	8.0	O	B10 X32	4P					
0.67	8009	2065	52.9	1.10	5.5	600	253	8.0	O							
0.75	7172	1849	52.9	1.20	7.4	600	187	8.0	O							
0.85	6334	1633	52.9	1.35	8.4	600	165	8.0	O							
0.92	5837	1505	52.9	1.50	9.7	555	143	8.0	1.05							
1.0	5263	1357	52.9	1.65	11.4	469	121	8.0	1.25							
1.1	4751	1225	52.9	1.85	14.0	384	99	8.0	1.35							
1.4	3890	1003	52.9	2.25	11.4	240	121	8.0	O							
1.6	3262	841	52.9	2.70	14.0	240	99	8.0	O							
1.9	2835	731	52.9	3.10	B63* X95*	15.9	405	87	11.6	2.70	B3*	4P				
0.18	5000	7569	33.1	O		19.5	330	71	11.6	2.70						
0.22	5000	6177	33.1	O		23.5	275	59	10.8	3.70						
0.27	5000	5133	33.1	O												

Note: 1. With * model can not be configured with direct motor;

Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection Table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Type size	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Type size	Number of Poles				
0.75 kW			Frequency Hz		50		1.1 kW			Frequency Hz		50					
			Number of Poles P		4	6				Number of Poles P		4	6				
			RPM n	r/min	1385	910				RPM n	r/min	1390	910				
15.9	405	87	8.0	1.35	B2 X4	4P	1.4	5000	1003	33.1	0	B52 X84	4P				
19.5	330	71	8.0	1.35			1.7	4767	841	33.1	1.05						
23.5	275	59	7.4	1.95			1.9	4143	731	33.1	1.20						
29.5	219	47	6.8	2.70			2.1	3679	649	33.1	1.35						
32.2	200	43	6.7	2.70			2.3	3373	595	33.1	1.45						
39.6	163	35	6.0	2.70			2.8	2794	493	33.1	1.80						
47.8	135	29	6.0	3.95	B1 X3	4P	3.6	2216	391	33.1	2.25	B41 X63	4P				
23.5	275	59	4.8	0.85			4.4	1808	319	33.1	2.75						
29.5	219	47	4.4	1.10			4.8	1638	289	33.1	3.05						
32.2	200	43	4.3	1.20			5.5	1434	253	33.1	3.50						
39.6	163	35	3.8	1.45			1.7	2500	841	15.7	0						
47.8	135	29	3.8	1.75			1.9	2500	731	15.7	0						
60.2	107	23	3.2	2.25	B0 X2	4P	2.1	2500	649	15.7	0	B31 X53	4P				
81.5	79	17	3.0	2.70			2.3	2500	595	15.7	0						
92.3	70	15	2.9	2.70			2.8	2500	493	15.7	0						
106.5	61	13	2.8	2.70			3.6	2216	391	15.7	1.10						
125.9	51	11	2.6	3.95			4.4	1808	319	15.7	1.35						
153.9	42	9	2.6	3.95			4.8	1638	289	15.7	1.50						
197.9	33	7	2.5	3.95	B09/X1	4P	5.5	1434	253	15.7	1.75	B20* X42*	4P				
47.8	135	29	2.9	0.95			7.4	1060	187	15.7	2.35						
60.2	107	23	2.4	0.95			8.4	935	165	15.7	2.65						
81.5	79	17	2.3	1.35			9.7	811	143	15.7	2.70						
92.3	70	15	2.2	1.35			11.5	686	121	15.7	2.70						
106.5	61	13	2.0	1.35			14.0	561	99	15.7	2.70						
125.9	51	11	1.9	1.35	B63 X95	4P	2.8	1250	493	11.6	0	B3 X5	4P				
153.9	42	9	1.9	1.35			3.6	1250	391	11.6	0						
197.9	33	7	1.8	1.35			4.4	1250	319	11.6	0						
153.9	42	9	0.8	0.85			4.8	1250	289	11.6	0						
1.1 kW			Frequency Hz				50		5.5	1250	253			11.6	0	B52 X84	4P
			Number of Poles P				4	6	7.4	1060	187			11.6	1.15		
			RPM n	r/min	1390	910	8.4	935	165	11.6	1.30						
0.18	8800	7569	52.9	0	B52 X84	4P	9.7	811	143	11.6	1.55	B2 X4	4P				
0.23	8800	6177	52.9	0			11.5	686	121	11.6	1.80						
0.27	8800	5133	52.9	0			14.0	561	99	11.6	2.20						
0.33	8800	4189	52.9	0			7.4	600	187	8.0	0						
0.40	8800	3481	52.9	0			8.4	600	165	8.0	0						
0.46	8800	3053	52.9	0			9.7	600	143	8.0	0						
0.55	8800	2537	52.9	0	B20* X42*	4P	11.5	600	121	8.0	0	B52 X84	4P				
0.67	8800	2065	52.9	0			14.0	561	99	8.0	1.05						
0.75	8800	1849	52.9	0			16.0	592	87	11.6	1.80						
0.85	8800	1633	52.9	0			19.6	483	71	11.6	1.80						
0.92	8531	1505	52.9	1.00			23.6	401	59	10.8	2.50						
1.0	7692	1357	52.9	1.15			29.6	320	47	9.8	3.65						
1.1	6944	1225	52.9	1.25	B3 X5	4P	32.3	292	43	9.6	3.65	B2 X4	4P				
1.4	5685	1003	52.9	1.55			16.0	592	87	8.0	0.90						
1.7	4767	841	52.9	1.85			19.6	483	71	8.0	0.90						
1.9	4143	731	52.9	2.10			23.6	401	59	7.4	1.35						
2.1	3679	649	52.9	2.40			29.6	320	47	6.8	1.80						
2.3	3373	595	52.9	2.60			32.3	292	43	6.7	1.80						
2.8	2794	493	52.9	3.15	B52 X84	4P	39.7	238	35	6.0	1.80	B2 X4	4P				
0.67	5000	2065	33.1	0			47.9	197	29	6.0	2.70						
0.75	5000	1849	33.1	0			60.4	156	23	5.0	3.65						
0.85	5000	1633	33.1	0			81.8	116	17	4.8	3.80						
0.92	5000	1505	33.1	0			92.7	102	15	4.7	4.30						
1.0	5000	1357	33.1	0			106.9	88	13	4.6	4.90						
1.1	5000	1225	33.1	0													

Note: 1. With * models can not be configured with direct motor;

Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Type size	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Type size	Number of Poles		
1.1 kW			Frequency Hz		50		1.5 kW			Frequency Hz		50			
			Number of Poles P		4	6				Number of Poles P		4	6		
			RPM n	r/min	1390	910				RPM n	r/min	1390	920		
32.3	292	43	4.3	0.80	B1 X3	4P	9.7	1105	143	15.7	1.95	B41 X63	4P		
39.7	238	35	3.8	1.00			11.5	935	121	15.7	1.95				
47.9	197	29	3.8	1.20			14.0	765	99	15.7	1.95				
60.4	156	23	3.2	1.50			4.4	1250	319	11.6	0	B31 X53	4P		
81.8	116	17	3.0	1.80			4.8	1250	289	11.6	0				
92.7	102	15	2.9	1.80			5.5	1250	253	11.6	0				
106.9	88	13	2.8	1.80			7.4	1250	187	11.6	0				
126.4	75	11	2.6	2.70			8.4	1250	165	11.6	0				
154.4	61	9	2.6	2.70	9.7	1105	143	11.6	1.10	B3 X5	4P				
198.6	48	7	2.5	2.70	11.5	935	121	11.6	1.30						
81.8	116	17	2.3	0.90	14.0	765	99	11.6	1.60						
92.7	102	15	2.2	0.90	B0 X2	4P	16.0	807	87	11.6	1.35	B2 X4	4P		
106.9	88	13	2.0	0.90			19.6	659	71	11.6	1.35				
126.4	75	11	1.9	0.90			23.6	547	59	10.8	1.85				
154.4	61	9	1.9	0.90			29.6	436	47	9.8	2.70				
198.6	48	7	1.8	0.90			32.3	399	43	9.6	2.70				
1.5 kW			Frequency Hz				50		39.7	325	35			8.5	3.60
			Poles P		4	6	23.6	547	59	7.4	0.95				
			Speed n r/min		1390	920	29.6	436	47	6.8	1.35				
0.55	8800	2537	52.9	0	B63 X95	4P	32.3	399	43	6.7	1.35	B1 X3	4P		
0.67	8800	2065	52.9	0			39.7	325	35	6.0	1.35				
0.75	8800	1849	52.9	0			47.9	269	29	6.0	1.95				
0.85	8800	1633	52.9	0			60.4	213	23	5.0	2.70				
0.92	8800	1505	52.9	0			81.8	158	17	4.8	3.60				
1.0	8800	1357	52.9	0			92.7	139	15	4.7	3.60				
1.1	8800	1225	52.9	0			106.9	121	13	4.6	3.60				
1.4	7753	1003	52.9	1.10			126.4	102	11	4.1	3.60				
1.7	6500	841	52.9	1.35			154.4	83	9	4.0	3.60				
1.9	5650	731	52.9	1.55			198.6	65	7	3.8	3.60				
2.1	5016	649	52.9	1.75			47.9	269	29	3.8	0.85			B74 X106	4P
2.3	4599	595	52.9	1.90			60.4	213	23	3.2	1.10				
2.8	3811	493	52.9	2.30			81.8	158	17	3.0	1.35				
3.6	3022	391	52.9	2.90			92.7	139	15	2.9	1.35				
1.0	5000	1357	33.1	0			106.9	121	13	2.8	1.35				
1.1	5000	1225	33.1	0			126.4	102	11	2.6	1.95				
1.4	5000	1003	33.1	0	154.4	83	9	2.6	1.95						
1.7	5000	841	33.1	0	198.6	65	7	2.5	1.95						
1.9	5000	731	33.1	0	2.2 kW			Frequency Hz		50					
2.1	5016	649	33.1	1.00				Pole Count P		4	6				
2.3	4599	595	33.1	1.05				RPM n	r/min	1410	935				
2.8	3811	493	33.1	1.30	B52 X84	4P	0.19	12000	7569	72.5	0	B74 X106	4P		
3.6	3022	391	33.1	1.65			0.23	12000	6177	72.5	0				
4.4	2466	319	33.1	2.00			0.27	12000	5133	72.5	0				
4.8	2234	289	33.1	2.25			0.34	12000	4189	72.5	0				
5.5	1956	253	33.1	2.55			0.41	12000	3481	72.5	0				
7.4	1445	187	33.1	3.45			0.46	12000	3053	72.5	0				
2.3	2500	595	15.7	0			0.56	12000	2537	72.5	0				
2.8	2500	493	15.7	0			0.68	12000	2065	72.5	0				
3.6	2500	391	15.7	0			0.76	12000	1849	72.5	0				
4.4	2466	319	15.7	1.00			0.86	12000	1633	72.5	0				
4.8	2234	289	15.7	1.10			0.94	12000	1505	72.5	0				
5.5	1956	253	15.7	1.25			1.0	12000	1357	72.5	0				
7.1	1507	195	15.7	1.65			1.2	12000	1225	72.5	0				
7.4	1445	187	15.7	1.70			1.4	11209	1003	72.5	1.05				
8.4	1275	165	15.7	1.95			1.7	9399	841	72.5	1.25				

Note: 1. With * model can not be configured with direct motor;

Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model numbe	Numb er of	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Numb er of				
2.2 kW			Frequency	Hz	50		2.2 kW			Frequency	Hz	50					
			Number of	P	4	6				Number of	P	4	6				
			RPM n	r/mi	1410	935				RPM n	r/mi	1410	935				
1.9	816	731	72.5	1.45	B74 X106	4P	30.0	630	47	13.2	3.35	B4/X6/X 7	4P				
2.2	725	649	72.5	1.65			32.8	577	43	13.0	3.35						
2.4	664	595	72.5	1.80			16.2	1167	87	11.6	0.90						
2.9	551	493	72.5	2.20			19.9	952	71	11.6	0.90						
0.76	880	184	52.9	0	B63 X95	4P	23.9	791	59	10.8	1.25	B3 X5	4P				
0.86	880	163	52.9	0			30.0	630	47	9.8	1.80						
0.94	880	150	52.9	0			32.8	577	43	9.6	1.80						
1.0	880	135	52.9	0			40.3	469	35	8.5	2.45						
1.2	880	122	52.9	0			48.6	389	29	8.5	3.00						
1.4	880	100	52.9	0			61.3	308	23	7.3	3.35						
1.7	880	841	52.9	0			74.2	255	19	7.2	4.40						
1.9	816	731	52.9	1.05			30.0	630	47	6.8	0.90						
2.2	725	649	52.9	1.20			32.8	577	43	6.7	0.90						
2.4	664	595	52.9	1.30			40.3	469	35	6.0	0.90						
2.9	551	493	52.9	1.60	48.6	389	29	6.0	1.35	B2 X4	4P						
3.6	437	391	52.9	2.00	61.3	308	23	5.0	1.80								
4.4	356	319	52.9	2.50	82.9	228	17	4.8	2.45								
4.9	323	289	52.9	2.75	94.0	201	15	4.7	2.45								
5.6	282	253	52.9	3.15	B52 X84	4P	108.5	174	13	4.6	2.45	B1 X3	4P				
1.4	500	100	33.1	0			128.2	148	11	4.1	2.45						
1.7	500	841	33.1	0			156.7	121	9	4.0	2.45						
1.9	500	731	33.1	0			201.4	94	7	3.8	2.45						
2.2	500	649	33.1	0			82.9	228	17	3.0	0.90						
2.4	500	595	33.1	0			94.0	201	15	2.9	0.90						
2.9	500	493	33.1	0			108.5	174	13	2.8	0.90						
3.6	437	391	33.1	1.15			128.2	148	11	2.6	1.35						
4.4	356	319	33.1	1.40			156.7	121	9	2.6	1.35						
4.9	323	289	33.1	1.55			201.4	94	7	2.5	1.35						
5.6	282	253	33.1	1.75	3kW								frequency		Hz	50	
7.5	209	187	33.1	2.40									Pole Count		P	4	6
8.5	184	165	33.1	2.45									RPM n		r/mi	1410	965
9.9	159	143	33.1	2.45	B42 X74 X64	4P	0.19	2150	756	91.7	0	B84 X117	4P				
11.7	135	121	33.1	2.45			0.23	2150	617	91.7	0						
14.2	110	99	33.1	2.45			0.27	2150	513	91.7	0						
8.5	184	165	15.7	1.35			0.34	2150	418	91.7	0						
9.9	159	143	15.7	1.55	B41* X63*	4P	0.41	2150	348	91.7	0			B74 X106	4P		
11.7	135	121	15.7	1.85			0.46	2150	305	91.7	0						
14.2	110	99	15.7	2.25			0.56	2150	253	91.7	0						
3.6	250	391	15.7	0			0.68	2150	206	91.7	0						
4.4	250	319	15.7	0	B31* X53*	4P	0.76	2150	184	91.7	0					B74 X106	4P
4.9	250	289	15.7	0			0.86	2150	163	91.7	0						
5.6	250	253	15.7	0			0.94	2150	150	91.7	0						
7.5	209	187	15.7	1.20			1.0	2068	135	91.7	1.05						
8.5	184	165	15.7	1.35			1.2	1866	122	91.7	1.15						
9.9	159	143	15.7	1.35			1.4	1528	100	91.7	1.40						
11.7	135	121	15.7	1.35			1.7	1281	841	91.7	1.70						
14.2	110	99	15.7	1.35			1.9	1114	731	91.7	1.95						
7.5	125	187	11.6	0			2.2	9890	649	91.7	2.20						
8.5	125	165	11.6	0			2.4	9067	595	91.7	2.40						
9.9	125	143	11.6	0			2.9	7513	493	91.7	2.90						
11.7	125	121	11.6	0			0.19	1200	756	72.5	0						
14.2	110	99	11.6	1.15	0.23	1200	617	72.5	0								
16.2	116	87	15.7	1.80	0.27	1200	513	72.5	0								
19.9	952	71	15.7	1.80	0.34	1200	418	72.5	0								
23.9	791	59	14.5	2.45	0.41	1200	348	72.5	0								

Note: 1. With * models can not be configured with direct motor;

2. Do not use 100% motor power for any of the models marked with "f_B" in column. Keep the load torque below "M_a" in the table during operation.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles
3kW			Frequency Hz		50		3kW			Frequency Hz		50	
			Number of poles P		4	6				Number of Poles P		4	6
			RPM n	r/min	1410	965				RPM n	r/min	1410	965
0.46	12000	3053	72.5	0	B74 X106	4P	16.2	1591	87	33.1	2.45	B5*	4P
0.56	12000	2537	72.5	0			19.9	1298	71	30.2	3.10	X8*	
0.68	12000	2065	72.5	0			23.9	1079	59	28.1	3.35		
0.76	12000	1849	72.5	0			16.2	1591	87	15.7	1.35	B4	4P
0.86	12000	1633	72.5	0			19.9	1298	71	15.7	1.35		
0.94	12000	1505	72.5	0			23.9	1079	59	14.5	1.80		
1.0	12000	1357	72.5	0			30.0	860	47	13.2	2.45	X6	
1.2	12000	1225	72.5	0			32.8	786	43	13.0	2.45	X7	
1.4	12000	1003	72.5	0			40.3	640	35	11.5	3.35	B3 X5	4P
1.7	12000	841	72.5	0			48.6	530	29	11.5	3.35		
1.9	11140	731	72.5	1.05	23.9	1079	59	10.8	0.90				
2.2	9890	649	72.5	1.20	30.0	860	47	9.8	1.35				
2.4	9067	595	72.5	1.30	32.8	786	43	9.6	1.35				
2.9	7513	493	72.5	1.60	40.3	640	35	8.5	1.80				
3.6	5959	391	72.5	2.00	48.6	530	29	8.5	2.00				
4.4	4861	319	72.5	2.50	61.3	421	23	7.3	2.45				
4.9	4404	289	72.5	2.75	74.2	347	19	7.2	3.25	B2 X4	4P		
1.2	8800	1225	52.9	0	82.9	311	17	6.7	3.25				
1.4	8800	1003	52.9	0	94.0	274	15	6.5	3.25				
1.7	8800	841	52.9	0	108.5	238	13	6.2	3.35				
1.9	8800	731	52.9	0	128.2	201	11	5.9	3.35				
2.2	8800	649	52.9	0	156.7	165	9	5.5	3.35	B1* X3*	4P		
2.4	8800	595	52.9	0	48.6	530	29	6.0	0.95				
2.9	7513	493	52.9	1.15	61.3	421	23	5.0	1.35				
3.6	5959	391	52.9	1.45	82.9	311	17	4.8	1.80				
4.4	4861	319	52.9	1.80	94.0	274	15	4.7	1.80				
4.9	4404	289	52.9	2.00	108.5	238	13	4.6	1.80				
5.6	3856	253	52.9	2.30	128.2	201	11	4.1	1.80				
7.5	2850	187	52.9	3.10	156.7	165	9	4.0	1.80				
8.5	2514	165	52.9	3.35	201.4	128	7	3.8	1.80				
9.9	2179	143	52.9	3.35	128.2	201	11	2.6	0.95				
11.7	1844	121	52.9	3.35	156.7	165	9	2.6	0.95				
14.2	1509	99	52.9	3.35	201.4	128	7	2.5	0.95				
8.5	2514	165	33.1	2.00	B53 X85	4P	4kW		Frequency Hz		50		
9.9	2179	143	33.1	2.30					Pole Count P		4	6	
11.7	1844	121	33.1	2.75					RPM n		1435	965	
14.2	1509	99	33.1	3.35			0.19	21500	7569	91.7	0	B84 X117	4P
2.4	5000	595	33.1	0	0.23	21500	6177	91.7	0				
2.9	5000	493	33.1	0	0.28	21500	5133	91.7	0				
3.6	5000	391	33.1	0	0.34	21500	4189	91.7	0				
4.4	4861	319	33.1	1.00	0.41	21500	3481	91.7	0				
4.9	4404	289	33.1	1.15	0.47	21500	3053	91.7	0				
5.6	3856	253	33.1	1.30	0.57	21500	2537	91.7	0				
7.5	2850	187	33.1	1.75	0.69	21500	2065	91.7	0				
8.5	2514	165	33.1	1.80	0.78	21500	1849	91.7	0				
9.9	2179	143	33.1	1.80	0.88	21500	1633	91.7	0				
11.7	1844	121	33.1	1.80	1.0	21500	1505	91.7	0	B42 X64 X74	4P		
14.2	1509	99	33.1	1.80	1.1	21500	1357	91.7	0				
4.4	2500	319	15.7	0	1.2	21500	1225	91.7	0				
4.9	2500	289	15.7	0	1.4	20025	1003	91.7	1.05				
5.6	2500	253	15.7	0	1.7	16791	841	91.7	1.25				
7.5	2500	187	15.7	0	2.0	14595	731	91.7	1.45				
8.5	2514	165	15.7	1.00	2.2	12957	649	91.7	1.65				
9.9	2179	143	15.7	1.15	2.4	11879	595	91.7	1.80				
11.7	1844	121	15.7	1.35	2.9	9843	493	91.7	2.15				
14.2	1509	99	15.7	1.65	3.7	7806	391	91.7	2.75				

Note: 1. With * model can not be configured with direct motor;
Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.
3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;
4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model numbe	Numbe r of	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model numbe	Numbe r of
4kW			Frequency Hz		50		4kW			Frequency Hz		50	
			Number of P		4	6				Number of P		4	6
			RPM n	r/mi	1435	965				RPM n	r/mi	1435	965
4.5	6369	319	91.7	3.35	B84 X117	4P	16.5	2084	87	33.1	1.85	B5* X8*	4P
5.0	5770	289	91.7	3.70			20.2	1701	71	30.2	2.30		
5.7	5051	253	91.7	3.70			24.3	1414	59	28.1	2.50		
7.7	3733	187	91.7	3.70			30.5	1126	47	27.0	3.70		
1.1	1200	135	72.5	0	B74 X106	4P	33.4	1030	43	26.4	3.70	B4 X6 X7	4P
1.2	1200	122	72.5	0			16.5	2084	87	15.7	1.00		
1.4	1200	100	72.5	0			20.2	1701	71	15.7	1.00		
1.7	1200	841	72.5	0			24.3	1414	59	14.5	1.35		
2.0	1200	731	72.5	0			30.5	1126	47	13.2	1.85		
2.2	1200	649	72.5	0			33.4	1030	43	13.0	1.85		
2.4	1187	595	72.5	1.00			41.0	839	35	11.5	2.50		
2.9	9843	493	72.5	1.20			49.5	695	29	11.5	2.50		
3.7	7806	391	72.5	1.50			62.4	551	23	9.8	3.70		
4.5	6369	319	72.5	1.85			30.5	1126	47	9.8	1.00		
5.0	5770	289	72.5	2.05			33.4	1030	43	9.6	1.00		
5.7	5051	253	72.5	2.35			41.0	839	35	8.5	1.35		
7.7	3733	187	72.5	3.20			49.5	695	29	8.5	1.65		
8.4	3294	165	72.5	3.50			62.4	551	23	7.3	1.85		
11.4	2416	121	72.5	3.70			75.5	455	19	7.2	2.40		
13.9	1977	99	72.5	3.70			84.4	407	17	6.7	2.40		
1.7	8800	841	52.9	0	B63 X95	4P	95.7	359	15	6.5	2.40	B3 X5	4P
2.0	8800	731	52.9	0			110.4	311	13	6.2	2.50		
2.2	8800	649	52.9	0			130.5	264	11	5.9	2.50		
2.4	8800	595	52.9	0			159.4	216	9	5.5	2.50		
2.9	8800	493	52.9	0			62.4	551	23	5.0	1.00		
3.7	7806	391	52.9	1.10			84.4	407	17	4.8	1.35		
4.5	6369	319	52.9	1.35			95.7	359	15	4.7	1.35		
5.0	5770	289	52.9	1.50			110.4	311	13	4.6	1.35		
5.7	5051	253	52.9	1.70			130.5	264	11	4.1	1.35		
7.7	3733	187	52.9	2.35			159.4	216	9	4.0	1.35		
8.7	3294	165	52.9	2.50			205.0	168	7	3.8	1.35		
10.0	2855	143	52.9	2.50			5.5 kW			Frequency Hz		50	
11.9	2416	121	52.9	2.50						Pole Count P		4	6
14.5	1977	99	52.9	2.50						RPM n r/mi		1445	965
7.7	3733	187	33.1	1.30	B53 X85	4P	0.19	2940	756	158.4	0	B95 X128	4P
8.7	3294	165	33.1	1.50			0.23	2940	617	158.4	0		
10.0	2855	143	33.1	1.75			0.28	2940	513	158.4	0		
11.9	2416	121	33.1	2.05			0.34	2940	418	158.4	0		
14.5	1977	99	33.1	2.50	B52 X84	4P	0.42	2940	348	158.4	0		
2.9	5000	493	33.1	0			0.47	2940	305	158.4	0		
3.7	5000	391	33.1	0			0.57	2940	253	158.4	0		
4.5	5000	319	33.1	0			0.70	2940	206	158.4	0		
5.0	5000	289	33.1	0			0.78	2940	184	158.4	0		
5.7	5000	253	33.1	0			0.88	2940	163	158.4	0		
7.7	3733	187	33.1	1.30			0.96	2940	150	158.4	0		
8.7	3294	165	33.1	1.35			1.1	2940	135	158.4	0		
10.0	2855	143	33.1	1.35			1.2	2940	122	158.4	0		
11.9	2416	121	33.1	1.35			1.4	2734	100	158.4	1.05		
14.5	1977	99	33.1	1.35			1.7	2292	841	158.4	1.25		
7.7	2500	187	33.1	0	B42 X64 X74	4P	2.0	1992	731	158.4	1.45		
8.7	2500	165	33.1	0			2.2	1769	649	158.4	1.65		
10.0	2500	143	33.1	0			2.4	1622	595	158.4	1.80		
11.9	2416	121	33.1	1.00			2.9	1344	493	158.4	2.15		
14.5	1977	99	33.1	1.25			3.7	1065	391	158.4	2.70		

Note: 1. Models with * can not be configured with direct motor;

Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of poles
5.5 kW			Frequency Hz	50			5.5 kW			Frequency Hz	50		
			Number of Poles	P	4	6				Number of Poles	P	4	6
			RPM n	r/min	1445	965				RPM n	r/min	1445	965
0.70	21500	2065	91.7	0	B84 X117	4P	11.1	4262	87	52.9	1.75	B6* X9*	6P
0.78	21500	1849	91.7	0			13.6	3478	71	52.9	1.75		
0.88	21500	1633	91.7	0			16.4	2890	59	49.6	1.80		
1.0	21500	1505	91.7	0			20.5	2302	47	49.6	2.70		
1.1	21500	1357	91.7	0			22.4	2106	43	49.6	2.70	B5 X8	4P
1.2	21500	1225	91.7	0			16.6	2846	87	33.1	1.35		
1.4	21500	1003	91.7	0			20.4	2323	71	30.2	1.70		
1.7	21500	841	91.7	0			24.5	1930	59	28.1	1.80		
2.0	19929	731	91.7	1.05			30.7	1538	47	27.0	2.70		
2.2	17693	649	91.7	1.20			33.6	1407	43	26.4	2.70		
2.4	16221	595	91.7	1.30	B74 X106	4P	41.3	1145	35	26.4	3.40	B4 X6 X7	4P
2.9	13440	493	91.7	1.55			49.8	949	29	25.2	3.65		
3.7	10659	391	91.7	2.00			24.5	1930	59	14.5	0.95		
4.5	8697	319	91.7	2.45			30.7	1538	47	13.2	1.35		
5.0	7879	289	91.7	2.70			33.6	1407	43	13.0	1.35		
5.7	6897	253	91.7	2.70			41.3	1145	35	11.5	1.80		
7.7	5098	187	91.7	2.70			49.8	949	29	11.5	1.80		
1.4	12000	1003	72.5	0			62.8	752	23	9.8	2.70		
1.7	12000	841	72.5	0			76.1	622	19	9.4	2.70		
2.0	12000	731	72.5	0			85.0	556	17	9.1	2.70		
2.2	12000	649	72.5	0	96.3	491	15	8.8	2.70	B3 X5	4P		
2.4	12000	595	72.5	0	111.2	425	13	8.4	2.70				
2.9	12000	493	72.5	0	131.4	360	11	8.0	2.70				
3.7	10659	391	72.5	1.10	160.6	294	9	6.6	2.70				
4.5	8697	319	72.5	1.35	41.3	1145	35	8.5	0.95				
5.0	7879	289	72.5	1.50	49.8	949	29	8.5	1.20				
5.7	6897	253	72.5	1.70	62.8	752	23	7.3	1.35				
7.7	5098	187	72.5	2.30	76.1	622	19	7.2	1.75				
8.4	4498	165	72.5	2.55	85.0	556	17	6.7	1.75				
11.4	3299	121	72.5	2.70	96.3	491	15	6.5	1.75				
13.9	2699	99	72.5	2.70	B64 X96	4P	111.2	425	13	6.2	1.80	B2* X4*	4P
8.8	4498	165	52.9	1.95			131.4	360	11	5.9	1.80		
10.1	3898	143	52.9	2.20			160.6	294	9	5.5	1.80		
11.9	3299	121	52.9	2.65			85.0	556	17	4.8	0.95		
14.6	2699	99	52.9	2.70			96.3	491	15	4.7	0.95		
2.4	8800	595	52.9	0			111.2	425	13	4.6	0.95		
2.9	8800	493	52.9	0			131.4	360	11	4.1	0.95		
3.7	8800	391	52.9	0			160.6	294	9	4.0	0.95		
4.5	8697	319	52.9	1.00			206.4	229	7	3.8	0.95		
5.0	7879	289	52.9	1.10	B63 X95	4P	7.5 kW			Frequency Hz	50		
5.7	6897	253	52.9	1.25						Pole Count P	4	6	
7.7	5098	187	52.9	1.70						RPM n	r/min	1445	970
8.8	4498	165	52.9	1.80			0.19	29400	7569	158.4	0	B95 X128	4P
10.1	3898	143	52.9	1.80			0.23	29400	6177	158.4	0		
11.9	3299	121	52.9	1.80			0.28	29400	5133	158.4	0		
14.6	2699	99	52.9	1.80			0.34	29400	4189	158.4	0		
4.5	5000	319	33.1	0			0.42	29400	3481	158.4	0		
5.0	5000	289	33.1	0	0.47	29400	3053	158.4	0				
5.7	5000	253	33.1	0	0.57	29400	2537	158.4	0				
7.7	5000	187	33.1	0	0.70	29400	2065	158.4	0				
8.8	4498	165	33.1	1.10	B53 X85	4P	0.78	29400	1849	158.4	0		
10.1	3898	143	33.1	1.25			0.88	29400	1633	158.4	0		
11.9	3299	121	33.1	1.50			0.96	29400	1505	158.4	0		
14.6	2699	99	33.1	1.80			1.1	29400	1357	158.4	0		

Note: 1. With * models can not be configured with direct motor;

Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model numbe	Numbe r of	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model numbe	Numbe r of
7.5 kW							7.5 kW						
			Frequency	Hz	50					Frequency	Hz	50	
			Number of	P	4	6				Number of	P	4	6
			Speed n	r/mi	1445	970				RPM n	r/mi	1445	970
1.2	2940	122	158.4	0	B95 X128	4P	5.7	500	25	52.9	0	B53 X85	4P
1.4	2940	100	158.4	0			7.7	500	18	52.9	0		
1.7	2940	841	158.4	0			8.8	500	16	52.9	0		
2.0	2717	731	158.4	1.05			10.1	500	14	52.9	0		
2.2	2412	649	158.4	1.20			11.9	449	12	52.9	1.10		
2.4	2211	595	158.4	1.30			14.6	368	99	52.9	1.35		
2.9	1832	493	158.4	1.55	B85 X118	4P	11.1	578	87	72.5	1.65	B7* X10*	6P
3.7	1453	391	158.4	2.00			13.7	471	71	72.5	2.30		
4.5	1185	319	158.4	2.45			16.4	392	59	66.5	2.80		
5.7	9405	253	91.7	2.25			20.6	312	47	63.4	3.20		
7.7	6952	187	91.7	3.05	B84 X117	4P	22.6	285	43	62.2	3.80	B6* X9*	6P
1.1	2150	135	91.7	0			27.7	232	35	58.9	3.80		
1.2	2150	122	91.7	0			11.1	578	87	52.9	1.30		
1.4	2150	100	91.7	0			13.7	471	71	52.9	1.30		
1.7	2150	841	91.7	0			16.4	392	59	49.6	1.35		
2.0	2150	731	91.7	0			20.6	312	47	49.6	1.95		
2.2	2150	649	91.7	0			22.6	285	43	49.6	1.95		
2.4	2150	595	91.7	0			27.7	232	35	46.9	2.70		
2.9	1832	493	91.7	1.15			33.4	192	29	44.8	3.20		
3.7	1453	391	91.7	1.45			16.6	388	87	33.1	0.95	B5 X8	4P
4.5	1185	319	91.7	1.80			20.4	316	71	30.2	1.25		
5.0	1074	289	91.7	1.95			24.5	263	59	28.1	1.35		
5.7	9405	253	91.7	1.95			30.7	209	47	27.0	1.95		
7.7	6952	187	91.7	1.95			33.6	191	43	26.4	1.95		
11.4	4498	121	91.7	1.95			41.3	156	35	26.4	2.50		
13.9	3680	99	91.7	1.95			49.8	129	29	25.2	2.70		
2.2	1200	649	72.5	0	B74 X106	4P	62.8	102	23	22.2	3.30		
2.4	1200	595	72.5	0			76.1	848	19	21.6	3.30		
2.9	1200	493	72.5	0			85.0	758	17	20.9	3.30		
3.7	1200	391	72.5	0			96.3	669	15	19.2	3.30		
4.5	1185	319	72.5	1.00			111.2	580	13	16.8	3.30		
5.0	1074	289	72.5	1.10			131.4	491	11	15.4	3.30		
5.7	9405	253	72.5	1.25			30.7	209	47	13.2	0.95	B4 X6 X7	4P
7.7	6952	187	72.5	1.70			33.6	191	43	13.0	0.95		
8.4	6134	165	72.5	1.85			41.3	156	35	11.5	1.35		
11.4	4498	121	72.5	1.95			49.8	129	29	11.5	1.35		
13.9	3680	99	72.5	1.95			62.8	102	23	9.8	1.95		
8.8	6134	165	52.9	1.40	B64 X96	4P	76.1	848	19	9.4	1.95		
10.1	5316	143	52.9	1.65			85.0	758	17	9.1	1.95		
11.9	4498	121	52.9	1.95			96.3	669	15	8.8	1.95		
14.6	3680	99	52.9	1.95			111.2	580	13	8.4	1.95		
3.7	8800	391	52.9	0	B63 X95	4P	131.4	491	11	8.0	1.95	B3 X5	4P
4.5	8800	319	52.9	0			160.6	401	9	6.6	1.95		
5.0	8800	289	52.9	0			49.8	129	29	8.5	0.85		
5.7	8800	253	52.9	0			62.8	102	23	7.3	0.95		
7.7	6952	187	52.9	1.25			76.1	848	19	7.2	1.30		
8.8	6134	165	52.9	1.35			85.0	758	17	6.7	1.30		
10.1	5316	143	52.9	1.35			96.3	669	15	6.5	1.30		
11.9	4498	121	52.9	1.35			111.2	580	13	6.2	1.35		
14.6	3680	99	52.9	1.35			131.4	491	11	5.9	1.35		
							160.6	401	9	5.5	1.35		

Note: 1. Models with * can not be configured with direct motor;

Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque of the three-stage transmission and the radial force value refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles		
11kW							11kW								
			Frequency	Hz	50					Frequency	Hz	50			
			Number of Poles	P	4	6				Number of Poles	P	4	6		
			RPM n	r/min	1460	970				RPM n	r/min	1460	970		
1.0	29400	1505	158.4	O	B95 X128	4P	22.6	4191	43	49.6	1.35	B6* X9*	6P		
1.1	29400	1357	158.4	O			27.7	3411	35	46.9	1.80				
1.2	29400	1225	158.4	O			33.4	2827	29	44.8	2.15				
1.5	29400	1003	158.4	O			42.2	2242	23	40.2	2.70				
1.7	29400	841	158.4	O			51.1	1852	19	37.2	2.70				
2.0	29400	731	158.4	O			57.1	1657	17	34.9	2.70				
2.2	29400	649	158.4	O			64.7	1462	15	34.2	2.70				
2.5	29400	595	158.4	O			74.6	1267	13	33.4	2.70				
3.0	26604	493	158.4	1.10	B85 X118	4P	88.2	1072	11	32.6	2.70	B5 X8	4P		
3.7	21100	391	158.4	1.35			20.6	4598	71	30.2	0.85				
4.6	17215	319	158.4	1.70			24.7	3821	59	28.1	0.90				
5.8	13653	253	158.4	2.15			31.1	3044	47	27.0	1.35				
5.1	15596	289	91.7	1.35			34.0	2785	43	26.4	1.35				
5.8	13653	253	91.7	1.55			41.7	2266	35	26.4	1.70				
7.8	10091	187	91.7	2.10			50.3	1878	29	25.2	1.80				
11.5	6826	121	91.7	2.25			63.5	1489	23	22.2	2.25				
1.7	21500	841	91.7	O	B84 X117	4P	76.8	1230	19	21.6	2.25	B4 X6 X7	4P		
2.0	21500	731	91.7	O			85.9	1101	17	20.9	2.25				
2.2	21500	649	91.7	O			97.3	971	15	19.2	2.25				
2.5	21500	595	91.7	O			112.3	842	13	16.8	2.25				
3.0	21500	493	91.7	O			132.7	712	11	15.4	2.25				
3.7	21100	391	91.7	1.00			41.7	2266	35	11.5	0.90				
4.6	17215	319	91.7	1.20			50.3	1878	29	11.5	0.90				
5.1	15596	289	91.7	1.35			63.5	1489	23	9.8	1.35				
5.8	13653	253	91.7	1.35	B74 X106	4P	76.8	1230	19	9.4	1.35	B3* X5*	4P		
7.8	10091	187	91.7	1.35			85.9	1101	17	9.1	1.35				
11.5	6826	121	91.7	1.35			97.3	971	15	8.8	1.35				
14.1	5585	99	91.7	1.35			112.3	842	13	8.4	1.35				
3.7	12000	391	72.5	O			132.7	712	11	8.0	1.35				
4.6	12000	319	72.5	O			162.2	583	9	6.6	1.35				
5.1	12000	289	72.5	O			85.9	1101	17	6.7	0.85				
5.8	12000	253	72.5	O			97.3	971	15	6.5	0.85				
7.8	10091	187	72.5	1.15	B64 X96	4P	112.3	842	13	6.2	0.90	B95 X128	4P		
8.6	9201	165	72.5	1.30			132.7	712	11	5.9	0.90				
11.5	6826	121	72.5	1.35			162.2	583	9	5.5	0.90				
14.1	5585	99	72.5	1.35			15kW			Frequency	Hz			50	
4.6	8800	319	52.9	O						Number of poles	P			4	6
5.1	8800	289	52.9	O						RPM n	r/min			1460	970
5.8	8800	253	52.9	O			1.7	29400	841	158.4	O	B95 X128	4P		
7.8	8800	187	52.9	O			2.0	29400	731	158.4	O				
8.8	8800	165	52.9	O			2.2	29400	649	158.4	O				
10.2	7717	143	52.9	1.10			2.5	29400	595	158.4	O				
12.1	6530	121	52.9	1.30			3.0	29400	493	158.4	O				
14.7	5342	99	52.9	1.35			3.7	28773	391	158.4	1.00				
11.1	8480	87	72.5	1.15	4.6	23474	319	158.4	1.25						
13.7	6920	71	72.5	1.55	5.8	18618	253	158.4	1.55						
16.4	5751	59	66.5	1.90	B7* X10*	6P	2.5	21500	595	91.7	O	B85 X118	4P		
20.6	4581	47	63.4	2.25			3.0	21500	493	91.7	O				
22.6	4191	43	62.2	2.60			3.7	21500	391	91.7	O				
27.7	3411	35	58.9	2.60			4.6	21500	319	91.7	O				
11.1	8480	87	52.9	0.85			5.1	21267	289	91.7	1.00				
13.7	6920	71	52.9	0.85			5.8	18618	253	91.7	1.15				
16.4	5751	59	49.6	0.90			7.8	13761	187	91.7	1.55				
20.6	4581	47	49.6	1.35			11.5	9309	121	91.7	1.65				

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3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model number	Number of Poles			
15kW			Frequency Hz		50		18.5 kW			Frequency Hz		50				
			Number of Poles P		4	6				Number of Poles P		4	6			
			RPM n r/min		1460	970				RPM n r/min		1470	980			
11.1	11563	87	72.5	0.80	B7* X10*	6P	11.1	14261	87	91.7	1.30	B8* X11*	6P			
13.7	9437	71	72.5	1.15			13.7	11639	71	91.7	1.65					
16.4	7842	59	66.5	1.40			16.4	9672	59	84.1	2.00					
20.6	6247	47	63.4	1.65			22.6	7049	43	78.7	2.70					
22.6	5715	43	62.2	1.90			27.7	5737	35	74.5	3.25					
27.7	4652	35	58.9	1.90			13.7	11639	71	72.5	0.90	B7* X10*	6P			
33.4	3854	29	56.2	2.60			16.4	9672	59	66.5	1.15					
42.2	3057	23	47.8	3.20			20.6	7704	47	63.4	1.35					
57.1	2260	17	47.8	3.20			22.6	7049	43	62.2	1.50					
62.6	2060	15	44.4	3.20			27.7	5737	35	58.9	1.50					
84.3	1528	11	40.9	3.20			33.4	4754	29	56.2	2.10					
20.6	6247	47	49.6	0.95	42.2	3770	23	47.8	2.60	B6* X9*	6P					
22.6	5715	43	49.6	0.95	57.1	2787	17	47.8	2.60							
27.7	4652	35	46.9	1.35	62.6	2541	15	44.4	2.60							
33.4	3854	29	44.8	1.60	84.3	1885	11	40.9	2.60							
42.2	3057	23	40.2	1.95	22.6	7049	43	49.6	0.80			B6* X9*	6P			
51.1	2525	19	37.2	1.95	27.7	5737	35	46.9	1.05							
57.1	2260	17	34.9	1.95	33.4	4754	29	44.8	1.30							
64.7	1994	15	34.2	1.95	42.2	3770	23	40.2	1.60							
74.6	1728	13	33.4	1.95	51.1	3115	19	37.2	1.60							
88.2	1462	11	32.6	1.95	57.1	2787	17	34.9	1.60							
31.1	4150	47	27.0	0.95	64.7	2459	15	34.2	1.60	B5* X8*	4P					
34.0	3797	43	26.4	0.95	74.6	2131	13	33.4	1.60							
41.7	3091	35	26.4	1.25	88.2	1803	11	32.6	1.60							
50.3	2561	29	25.2	1.35	42.0	3786	35	26.4	1.00			B5* X8*	4P			
63.5	2031	23	22.2	1.65	50.7	3137	29	25.2	1.00							
76.8	1678	19	21.6	1.65	63.9	2488	23	22.2	1.35							
85.9	1501	17	20.9	1.65	77.4	2055	19	21.6	1.35							
97.3	1325	15	19.2	1.65	86.5	1839	17	20.9	1.35							
112.3	1148	13	16.8	1.65	98.0	1623	15	19.2	1.35							
132.7	971	11	15.4	1.65	113.1	1406	13	16.8	1.35							
63.5	2031	23	9.8	0.95	B4 X6 X7	4P	133.6	1190	11	15.4	1.35					
76.8	1678	19	9.4	0.95			22kW		Frequency Hz		50					
85.9	1501	17	9.1	0.95					Poles P		4	6				
97.3	1325	15	8.8	0.95					RPM n r/min		1470	980				
112.3	1148	13	8.4	0.95			11.1	16960	87	91.7	1.10	B8* X11*	6P			
132.7	971	11	8.0	0.95	13.7	13841	71	91.7	1.40							
162.2	795	9	6.6	0.95	16.4	11501	59	84.1	1.70							
18.5 kW			Frequency Hz		50		22.6	8382	43	78.7	2.25					
			Pole Count P		4	6	27.7	6823	35	74.5	2.75					
			Speed n r/min		1470	980	33.4	5653	29	71.2	3.35					
1.7	29400	841	158.4	0	B95 X128	4P	42.2	4438	23	64.4	3.35					
2.0	29400	731	158.4	0			57.1	3280	17	60.5	3.35					
2.3	29400	649	158.4	0			84.3	2219	11	54.0	3.35					
2.5	29400	595	158.4	0			16.4	11501	59	66.5	0.95			B7* X10*	6P	
3.0	29400	493	158.4	0			20.6	9162	47	63.4	1.10					
3.8	29400	391	158.4	0			22.6	8382	43	62.2	1.30					
4.6	28755	319	158.4	1.00			27.7	6823	35	58.9	1.30					
5.8	22805	253	158.4	1.25			33.4	5653	29	56.2	1.75					
3.8	21500	391	91.7	0	B85 X118	4P	42.2	4484	23	47.8	2.15					
4.6	21500	319	91.7	0			57.1	3314	17	47.8	2.15					
5.1	21500	289	91.7	0			62.6	3022	15	44.4	2.15					
5.8	21500	253	91.7	0			84.3	2242	11	40.9	2.15					
7.9	16856	187	91.7	1.25												
11.6	11403	121	91.7	1.35												

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4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

Selection parameter table

n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model numbe	Numbe r of	n _a [r/min]	M _a [Nm]	i	F _{ra} [kN]	f _B	Model numbe	Numbe r of		
22kW			Frequency	Hz	50		37kW			Frequency	Hz	50			
			Number of	P	4	6				Number of	P	4	6		
			RPM n	r/mi	1470	980				RPM n	r/mi	1475	980		
27.7	6823	3	46.9	0.90	B6* X9*	6P	16.6	1914	5	84.1	1.00	B8* X11*	6P		
33.4	5653	2	44.8	1.05			22.8	1395	4	78.7	1.35				
42.2	4484	2	40.2	1.35			28.0	1135	3	74.5	1.60				
51.1	3704	1	37.2	1.35			33.8	9411	2	71.2	2.00				
57.1	3314	1	34.9	1.35			42.6	7464	2	64.4	2.00				
64.7	2924	1	34.2	1.35			57.6	5517	1	60.5	2.00				
74.6	2534	1	33.4	1.35			85.2	3732	1	54.0	2.00				
88.2	2144	1	32.6	1.35			33.8	9411	2	56.2	1.00	B7* X10*	6P		
30kW			Frequency	Hz	50		42.6	7464	2	47.8	1.30				
			Number of	P	4	6	57.6	5517	1	47.8	1.30				
			RPM n	r/mi	1470	980	63.2	5030	1	44.4	1.30				
						85.2	3732	1	40.9	1.30					
11.3	2289	8	158.4	1.30	B9* X12*	6P	45kW		Frequency	Hz	50				
13.8	1868	7	158.4	1.60					Number of	P	4	6			
16.6	1552	5	158.4	1.85					RPM n	r/mi	1475	980			
22.8	1131	4	150.0	2.45			13.8	2802	7	158.4	1.05	B9* X12*	6P		
28.0	9209	3	121.2	2.90			16.6	2328	5	158.4	1.25				
33.8	7630	2	121.2	3.35			22.8	1697	4	150.0	1.65				
42.6	6052	2	121.2	3.35	28.0	1381	3	121.2	1.95						
11.3	2289	8	91.7	0.80	33.8	1144	2	121.2	2.25	B8* X11*	6P				
13.8	1868	7	91.7	1.00	42.6	9077	2	121.2	2.25						
16.6	1552	5	84.1	1.25	22.8	1697	4	78.7	1.10						
22.8	1131	4	78.7	1.65	28.0	1381	3	74.5	1.35						
28.0	9209	3	74.5	2.00	33.8	1144	2	71.2	1.65						
33.8	7630	2	71.2	2.45	42.6	9077	2	64.4	1.65						
42.6	6052	2	64.4	2.45	B8* X11*	6P	57.6	6709	1	60.5	1.65	B7* X10*	6P		
57.6	4473	1	60.5	2.45			85.2	4539	1	54.0	1.65				
85.2	3026	1	54.0	2.45			33.8	1144	2	56.2	0.85				
22.8	1131	4	62.2	0.95			42.6	9077	2	47.8	1.00				
28.0	9209	3	58.9	0.95			57.6	6709	1	47.8	1.00				
33.8	7630	2	56.2	1.30			63.2	6117	1	44.4	1.00				
42.6	6052	2	47.8	1.60			85.2	4539	1	40.9	1.00				
57.6	4473	1	47.8	1.60			55kW		frequency	Hz	50				
63.2	4078	1	44.4	1.60					Number of	P	4	6			
85.2	3026	1	40.9	1.60					RPM n	r/mi	1480	980			
42.6	6052	2	40.2	0.95	B6* X9*	6P	16.6	2846	5	158.4	1.00	B9* X12*	6P		
51.6	4999	1	37.2	0.95			22.8	2074	4	150.0	1.35				
57.6	4473	1	34.9	0.95			28.0	1688	3	121.2	1.60				
65.3	3947	1	34.2	0.95			33.8	1398	2	121.2	1.80				
75.4	3420	1	33.4	0.95			42.6	1109	2	121.2	1.80				
89.1	2894	1	32.6	0.95			28.0	1688	3	74.5	1.10	B8* X11*	6P		
37kW			frequency	Hz			50		33.8	1398	2			71.2	1.35
			Number of	P			4	6	42.6	1109	2			64.4	1.35
			RPM n	r/mi	1475		980	57.6	8200	1	60.5			1.35	
						85.2	5547	1	54.0	1.35					
11.3	2823	8	158.4	1.05	B9* X12*	6P	75kW		Frequency	Hz	50				
13.8	2304	7	158.4	1.30					Number of	P	4	6			
16.6	1914	5	158.4	1.50					RPM n	r/mi	1480	980			
22.8	1395	4	150.0	2.00			22.8	2799	4	150.0	0.95	B9* X12*	6P		
28.0	1135	3	121.2	2.35			28.0	2279	3	121.2	1.15				
33.8	9411	2	121.2	2.70			33.8	1888	2	121.2	1.35				
42.6	7464	2	121.2	2.70	42.6		1497	2	121.2	1.35					

Note: 1. Models with * can not be configured with direct motor;

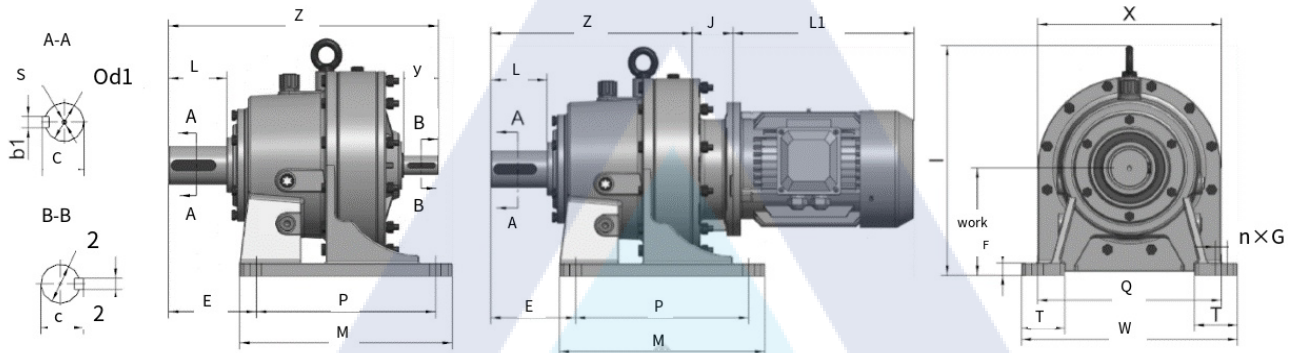
Do not use 100% motor power for the models with "f_B" in column. Keep the load torque below "M_a" in the table during operation. In order to protect the host, please add safety devices.

3. All models can be configured with 6P and 8P motors corresponding to the same motor base number;

4. The allowable output torque and allowable radial force of the three-stage transmission refer to the maximum value in the two-stage transmission.

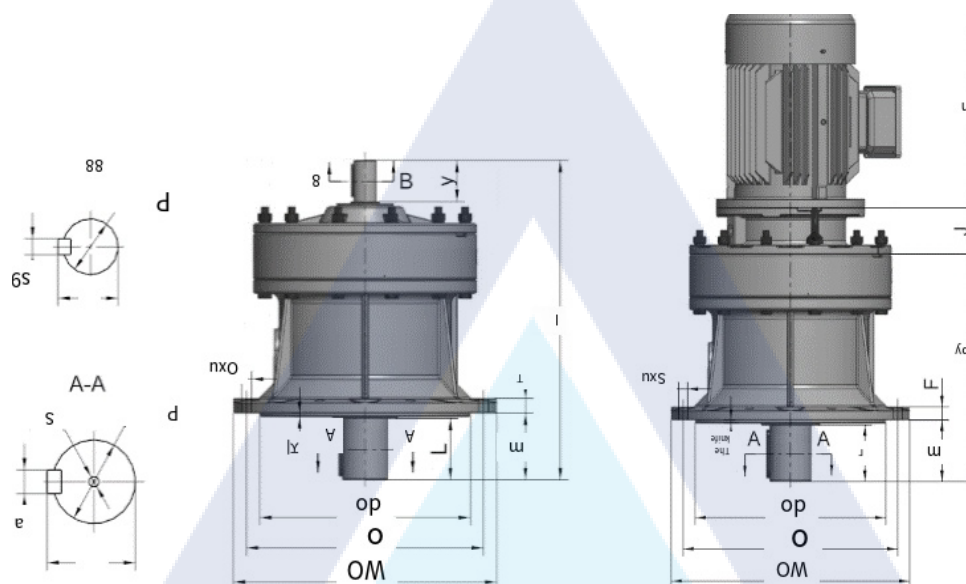
3 Shape and installation size

3.1 BW, BWD, XW, XWD type (single stage) outline mounting dimensions



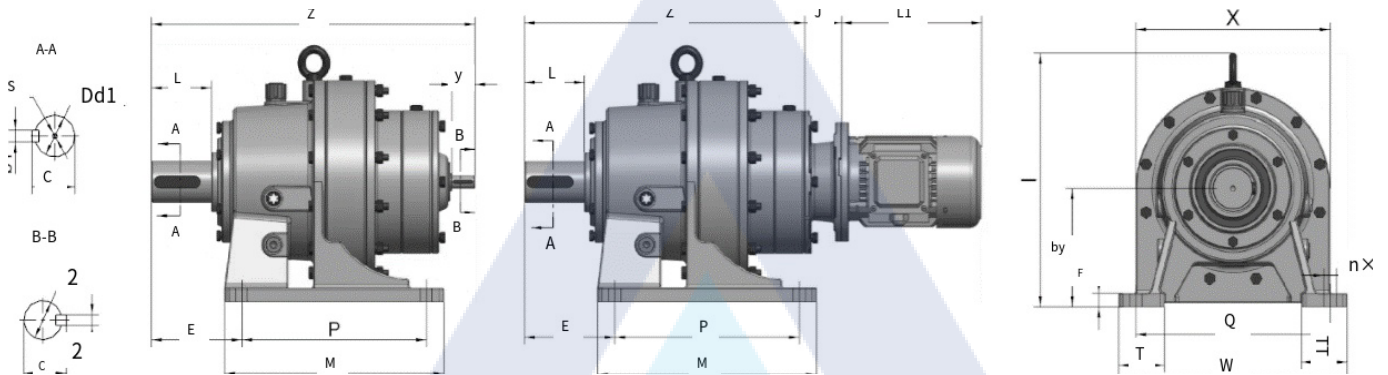
Model No.	In the heart high H	Shaft end dimensions								Mounting dimensions										Overall dimension					
		Output shaft				Input shaft				E	F	P	Q	S	T	N	Φ G	M	W	Z		I	X		
		d1 (h6)	b1	C	L	d2 (h6)	b2	c	y											BW	BWD				
BW.BWD09-9																									
B09	80	22	6	24.5	30	15	5	17	22	46.5	12	76	120	M5	30	4	11	100	144	192	142	155	140		
B0	100	30	8	33	35	15	5	17	22	94	15	90	150	M8	35	4	11	120	185	214	165	190	168		
B1	120	35	10	38	56	18	6	20.5	35	125	14	110	240	M10	55	4	13	160	280	263	194	250	200		
B2	140	45	14	48.5	71	22	6	24.5	40	144	19	150	280	M10	60	4	13	200	320	320	246	296	240		
B3	160	55	16	59	80	30	8	33	55	156	23	200	340	M12	75	4	17	250	390	390	294	355	300		
B4	200	70	20	74.5	104	35	10	38	62	157	23	320	340	M12	80	4	22	380	400	481	370	430	340		
B5	240	90	25	95	122	45	14	48.5	70	160	33	380	420	M16	80	4	22	440	470	564	438	513	400		
B6	280	100	28	106	139	50	14	53.5	80	199	35	440	500	M20	90	4	26	520	560	670	528	605	500		
B7	325	110	28	116	150	55	16	59	90	230	45	250 x 2	630	M24	105	6	30	600	690	775	578	706	575		
B8	420	130	32	137	202	70	20	74.5	120	325	50	330 x 2	800	M30	140	6	32	810	880	1066	814	880	seven hundred.		
B9	540	180	45	190	327	90	25	95	150	481	58	420 x 2	1050	M42	200	6	45	1040	1160	1465	1151	1160	950		
XW.XWD1-12																									
X1	100	25	8	28	35	15	5	17	22	61	12	90	150	M5	30	4	12	120	180	199	147	175	140		
X2	100	25	8	28	33	15	5	17	22	101	15	90	180	M8	45	4	12	120	210	216	164	190	168		
X3	140	35	10	38	56	18	6	20.5	35	152	18	100	250	M10	60	4	16	150	290	263	194	270	200		
X4	150	45	14	48.5	73	22	6	24.5	40	168	19	145	290	M10	65	4	16	195	330	324	246	316	240		
X5	160	55	16	59	91	30	8	33	55	204	23	150	370	M12	70	4	16	260	410	401	305	356	300		
X6	200	65	18	69	89	35	10	38	62	125	27	275	380	M12	75	4	22	335	430	466	359	425	340		
X7	220	80	22	85	107	40	12	43	65	143	27	320	420	M12	90	4	22	380	470	486	377	484	340		
X8	250	90	25	95	122	45	14	48.5	70	157	35	380	480	M16	100	4	22	440	530	564	438	514	400		
X9	290	100	28	106	141	50	14	53.5	80	186	40	480	560	M20	120	4	26	560	620	691	551	614	500		
X10	325	110	28	116	150	55	16	59	90	230	45	250 x 2	630	M24	105	6	30	600	690	775	578	706	575		
X11	420	130	32	137	202	70	20	74.5	120	325	50	330 x 2	800	M30	140	6	32	810	880	1066	814	880	seven hundred.		
X12	540	180	45	190	327	90	25	95	150	481	58	420 x 2	1050	M42	200	6	45	1040	1160	1465	1151	1160	950		

3.2 BL, BLD, XL, XLD type (single stage) profile mounting dimensions



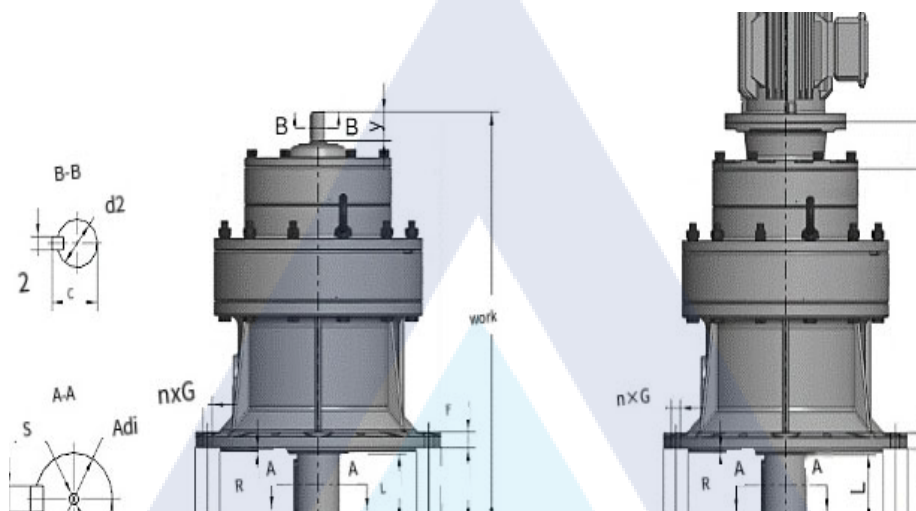
Model No.	Shaft end size								Mounting dimensions								Overall dimensions		
	Output shaft				Input shaft				E	F	Φ G	N	P (h9)	Q	R	S	H		M
	d1 (h6)	b1	C	L	d2 (h6)	b2	c	y									BL	BLD	
BL.BLD09-9																			
B09	22	6	24.5	30	15	5	17	22	35	10	11	4	110	134	3	M5	192	142	159
B0	30	8	33	35	15	5	17	22	39	14	11	4	140	160	3	M8	214	165	188
B1	35	10	38	47	18	6	20.5	35	61	15	11	6	170	200	4	M10	263	194	230
B2	45	14	48.5	61	22	6	24.5	40	70	16	11	6	200	230	4	M10	320	246	260
B3	55	16	59	74	30	8	33	55	79	20	13	6	270	310	4	M12	390	294	340
B4	70	20	74.5	92	35	10	38	62	100	22	15	8	320	360	5	M12	479	370	400
B5	90	25	95	110	45	14	48.5	70	118	30	18	12	400	450	5	M16	564	438	490
B6	100	28	106	130	50	14	53.5	80	138	35	22	12	460	520	8	M20	668	528	580
B7	110	28	116	142	55	16	59	90	182	40	22	12	520	590	10	M24	775	578	650
B8	130	32	137	202	70	20	74.5	120	211	50	38	12	680	800	10	M30	1061	814	880
B9	180	45	190	320	90	25	95	150	370	60	39	8	900	1020	10	M42	1462	1151	1160
XW.XWD1-12																			
X1	25	8	28	36	15	5	17	22	41	10	12	4	110	134	3	M5	201	147	159
X2	25	8	28	33	15	5	17	22	39	14	12	6	130	160	3	M8	216	164	180
X3	35	10	38	47	18	6	20.5	35	51	15	12	6	170	200	4	M10	263	194	230
X4	45	14	48.5	63	22	6	24.5	40	79	15	12	6	200	230	4	M10	324	250	260
X5	55	16	59	85	30	8	33	55	90	20	13	6	270	310	4	M12	401	305	340
X6	65	18	69	80	35	10	38	62	90	22	16	8	316	360	5	M12	466	359	400
X7	80	22	85	97	40	12	43	65	114	22	18	8	345	390	5	M12	486	377	430
X8	90	25	95	110	45	14	48.5	70	118	30	18	12	400	450	5	M16	564	438	490
X9	100	28	106	134	50	14	53.5	80	170	35	22	12	455	520	8	M20	691	551	580
X10	110	28	116	142	55	16	59	90	182	40	22	12	520	590	10	M24	775	578	650
X11	130	32	137	202	70	20	74.5	120	211	50	38	12	680	800	10	M30	1061	814	880
X12	180	45	190	320	90	25	95	150	370	60	39	8	900	1020	10	M42	1462	1151	1160

3.3 BWE, BWED, XWE, XWED type (double stage) form factor mounting dimensions



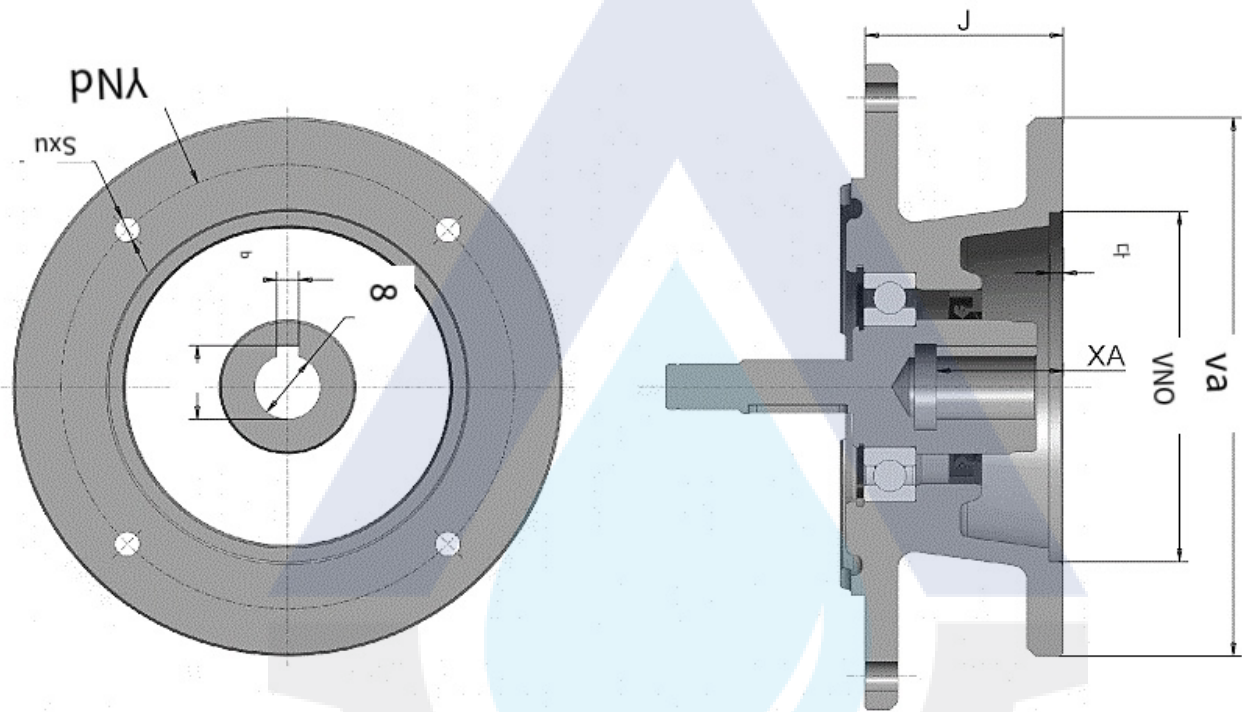
Model No.	In the heart high H	Shaft end dimensions									Mounting dimensions								Overall dimensions						
		Output shaft					Input shaft				E	F	P	Q	S	T	N	Φ G	M	W	Z		I	X	
		d1 (h6)	b1	C	L	d2 (h6)	b2	c	y	BWE											BWED				
BWE,BWED10-95																									
B10	120	35	10	38	56	15	5	17	22	125	14	110	240	M10	55	4	13	160	280	317	267	250	200		
B20	140	45	14	48.5	71	15	5	17	22	144	19	150	280	M10	60	4	13	200	320	364	315	306	240		
B31	160	55	16	59	80	18	6	20.5	35	156	23	200	340	M12	75	4	17	250	390	446	376	356	300		
B41	200	70	20	74.5	104	18	6	20.5	35	157	23	320	340	M12	80	4	22	380	400	523	454	425	340		
B42	200	70	20	74.5	104	22	6	24.5	40	157	23	320	340	M12	80	4	22	380	400	554	479	425	340		
B52	240	90	25	95	122	22	6	24.5	40	160	33	380	420	M16	80	4	22	440	470	623	548	504	400		
B53	240	90	25	95	122	30	8	33	55	160	33	380	420	M16	80	4	22	440	470	657	561	504	400		
B63	280	100	28	106	139	30	8	33	55	199	35	440	500	M20	90	4	26	520	560	741	645	605	500		
B64	280	100	28	106	139	35	10	38	62	199	35	440	500	M20	90	4	26	520	560	780	671	605	500		
B74	325	110	28	116	150	35	10	38	62	230	45	250 x 2	630	M24	105	6	30	600	690	832	725	706	575		
B84	420	130	32	137	202	35	10	38	62	325	50	330 x 2	800	M30	140	6	32	810	880	1071	962	880	seven hundred.		
B85	420	130	32	137	202	45	14	48.5	70	325	50	330 x 2	800	M30	140	6	32	810	880	1095	970	880	seven hundred.		
B95	540	180	45	190	327	45	14	48.5	70	481	58	420 x 2	1050	M42	200	6	45	1040	1160	1440	1320	1160	950		
XWE,XWED32-128																									
X32	140	35	10	38	56	15	5	17	22	152	18	100	250	M10	60	4	16	150	290	314	364	270	200		
X42	150	45	14	48.5	73	15	5	17	22	168	19	145	290	M10	65	4	16	195	330	370	315	316	240		
X53	160	55	16	59	91	18	6	20.5	35	204	23	150	370	M12	70	4	16	260	410	457	387	356	300		
X63	200	65	18	69	89	18	6	20.5	35	125	27	275	380	M12	75	4	22	335	430	510	441	425	340		
X64	200	65	18	69	89	22	6	24.5	40	125	27	275	380	M12	75	4	22	335	430	541	466	425	340		
X74	220	80	22	85	107	22	6	24.5	40	143	27	320	420	M12	90	4	22	380	470	561	486	484	340		
X84	250	90	25	95	122	22	6	24.5	40	157	35	380	480	M16	100	4	22	440	530	623	548	514	400		
X85	250	90	25	95	122	30	8	33	55	157	35	380	480	M16	100	4	22	440	530	682	586	514	400		
X95	290	100	28	106	141	30	8	33	55	186	40	480	560	M20	120	4	26	560	620	762	667	614	500		
X96	290	100	28	106	141	35	10	38	62	186	40	480	560	M20	120	4	26	560	620	802	695	614	500		
X106	325	110	28	116	150	35	10	38	62	230	45	250 x 2	630	M24	105	6	30	600	690	832	725	706	575		
X117	420	130	32	137	202	40	12	43	65	325	50	330 x 2	800	M30	140	6	32	810	880	1071	962	880	seven hundred.		
X118	420	130	32	137	202	45	14	48.5	70	325	50	330 x 2	800	M30	140	6	32	810	880	1095	970	880	seven hundred.		
X128	540	180	45	190	327	45	14	48.5	70	481	58	420 x 2	1050	M42	200	6	45	1040	1160	1440	1320	1160	950		

3.4 BLE, BLED, XLE, XLED type (double stage) profile mounting dimensions



Type size	Shaft end size								Mounting dimensions								Overall dimensions		
	Output shaft				Input shaft				E	F	Φ G	N	P (h9)	Q	R	S	H		M
	d1 (h6)	b1	C	L	d2 (h6)	b2	c	y									BLE	BLED	
BLE,BLED10-95																			
B10	35	10	38	47	15	5	17	22	61	15	11	6	170	200	4	M10	317	267	230
B20	45	14	48.5	61	15	5	17	22	70	16	11	6	200	230	4	M10	368	318	260
B31	55	16	59	74	18	6	20.5	35	79	20	13	6	270	310	4	M12	446	376	340
B41	70	20	74.5	92	18	6	20.5	35	100	22	15	8	320	360	5	M12	521	454	400
B42	70	20	74.5	92	22	6	24.5	40	100	22	15	8	320	360	5	M12	554	479	400
B52	90	25	95	110	22	6	24.5	40	118	30	18	12	400	450	5	M16	623	548	490
B53	90	25	95	110	30	8	33	55	118	30	18	12	400	450	5	M16	657	561	490
B63	100	28	106	130	30	8	33	55	138	35	22	12	460	520	8	M20	741	645	580
B64	100	28	106	130	35	10	38	62	138	35	22	12	460	520	8	M20	780	671	580
B74	110	28	116	142	35	10	38	62	182	40	22	12	520	590	10	M24	832	725	650
B84	130	32	137	202	35	10	38	62	211	50	38	12	680	800	10	M30	1071	962	880
B85	130	32	137	202	45	14	48.5	70	211	50	38	12	680	800	10	M30	1095	970	880
B95	180	45	190	320	45	14	48.5	70	370	60	39	8	900	1020	10	M42	1440	1320	1160
XLE,XLED32-128																			
X32	35	10	38	47	15	5	17	22	51	15	12	6	170	200	4	M10	314	264	230
X42	45	14	48.5	63	15	5	17	22	79	15	12	6	200	230	4	M10	370	320	260
X53	55	16	59	85	18	6	20.5	35	90	20	13	6	270	310	4	M12	457	389	340
X63	65	18	69	80	18	6	20.5	35	90	22	16	8	316	360	5	M12	510	441	400
X64	65	18	69	80	22	6	24.5	40	90	22	16	8	316	360	5	M12	541	466	400
X74	80	22	85	97	22	6	24.5	40	114	22	18	8	345	390	5	M12	561	486	430
X84	90	25	95	110	22	6	24.5	40	118	30	18	12	400	450	5	M16	623	548	490
X85	90	25	95	110	30	8	33	55	118	30	18	12	400	450	5	M16	658	588	490
X95	100	28	106	134	30	8	33	55	170	35	22	12	455	520	8	M20	762	667	580
X96	100	28	106	134	35	10	38	62	170	35	22	12	455	520	8	M20	803	694	580
X106	110	28	116	142	35	10	38	62	182	40	22	12	520	590	10	M24	832	725	650
X117	130	32	137	202	40	12	43	65	211	50	38	12	680	800	10	M30	1108	983	880
X118	130	32	137	202	45	14	48.5	70	211	50	38	12	680	800	10	M30	1095	970	880
X128	180	45	190	320	45	14	48.5	70	370	60	39	8	900	1020	10	M42	1440	1320	1160

3.5 Motor plate type coupling flange size chart



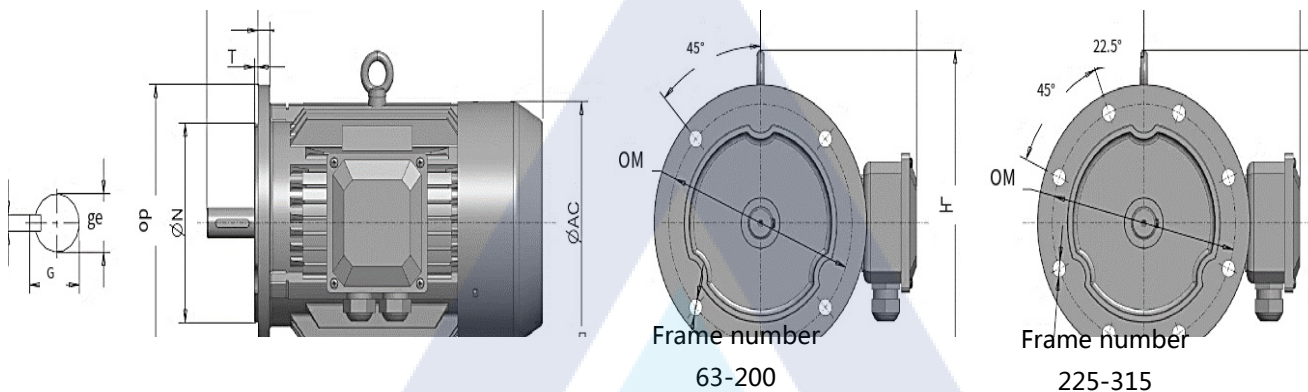
Model No.	Configuration motor			Dimensions									
	kW	Seat number	Number of poles	NA	M A	PA	J	TA	n×S	X A	d	b	c
B09/X1	0.18	63	4P	95	11 5	14 0	5 4	4	4×M8	23	1 1	4	12. 8
	0.25, 0.37	71		11 0	13 0	16 0	7 1	4	4×M8	30	1 4	5	16. 3
	0.55	80		13 0	16 5	20 0	7 1	4	4× M10	40	1 9	6	21. 8
B0/X2 B10/X32 B20/X42	0.18	63		95	11 5	14 0	5 5	4	4×M8	23	1 1	4	12. 8
	0.25, 0.37	71		11 0	13 0	16 0	7 2	4	4×M8	30	1 4	5	16. 3
	0.55, 0.75	80		13 0	16 5	20 0	8 2	4	4× M10	40	1 9	6	21. 8
	1.1	90S		13 0	16 5	20 0	8 2	4	4× M10	50	2 4	8	27. 3
B1/X3 B31/X53 B41/63	0.25, 0.37	71		11 0	13 0	16 0	8 4	4	4×M8	30	1 4	5	16. 3
	0.55, 0.75	80		13 0	16 5	20 0	7 9	4	4× M10	40	1 9	6	21. 8
	1.1, 1.5	90		13 0	16 5	20 0	7 9	4	4× M10	50	2 4	8	27. 3

	2.2	100L		18 0	21 5	25 0	8 8	4. 5	4× M12	60	2 8	8	31. 3
B2/X4 B42/X64 B52/X84	0.55, 0.75	80		13 0	16 5	20 0	7 2	5	4× M10	40	1 9	6	21. 8
	1.1, 1.5	90		13 0	16 5	20 0	7 2	5	4× M10	50	2 4	8	27. 3
	2.2. 3	100L		18 0	21 5	25 0	7 2	5	4× M12	60	2 8	8	31. 3
	4	112M		18 0	21 5	25 0	7 2	5	4× M12	60	2 8	8	31. 3

AGMA

Model Number	Configuration motor			Dimensions									
	kW	Seat	Number of	NA	M	PA	J	T	n×S	XA	d	b	c
B3/X5 B53/X85 B63/X95	0.55,	80	4P	13	16	20	73	5	4×	40	1	6	21.
	1.1, 1.5	90		13	16	20	73	5	4×	50	2	8	27.
	2.2, 3	100L		18	21	25	73	5	4×	60	2	8	31.
	4	112M		18	21	25	73	5	4×	60	2	8	31.
	5.5, 7.5	132		23	26	30	11	5	4×	80	3	1	41.
	11	160M		25	30	35	15	5	4×	11	4	1	45.
B4/X6/X7 B74/X106 B84/X117	2.2, 3	100L		18	21	25	76	5	4×	60	2	8	31.
	4	112M		18	21	25	76	5	4×	60	2	8	31.
	5.5, 7.5	132		23	26	30	97	5	4×	80	3	1	41.
	11	160M		25	30	35	15	5	4×	11	4	1	45.
B5/X8 B85/X118 B95/X128	2.2, 3	100L		18	21	25	14	6	4×	60	2	8	31.
	4	112M		18	21	25	14	6	4×	60	2	8	31.
	5.5, 7.5	132		23	26	30	95	5	4×	80	3	1	41.
	11, 15	160		25	30	35	12	6	4×	11	4	1	45.
	18.5	180M		25	30	35	12	6	4×	11	4	1	51.
B6/X9	5.5	132M	6P	23	26	30	14	6	4×	80	3	1	41.
	7.5, 11	160		25	30	35	12	6	4×	11	4	1	45.
	15	180L		25	30	35	12	6	4×	11	4	1	51.
	18.5, 22	200L		30	35	40	12	6	4×	11	5	1	59.
B7/X10	7.5, 11	160		25	30	35	12	6	4×	11	4	1	45.
	15	180L		25	30	35	12	6	4×	11	4	1	51.
	18.5, 22	200L		30	35	40	12	6	4×	11	5	1	59.
	30	225M		35	40	45	16	7	8×	14	6	1	64.
	37	250M		45	50	55	16	7	8×	14	6	1	69.
B8/X11	18.5, 22	200L		30	35	40	20	7	4×	11	5	1	59.
	30	225M		35	40	45	16	7	8×	14	6	1	64.
	37	250M		45	50	55	22	7	8×	14	6	1	69.
	45, 55	280		45	50	55	22	7	8×	14	7	2	79.
B9/X12	30	225M		35	40	45	23	7	8×	14	6	1	64.
	37	250M		45	50	55	23	7	8×	14	6	1	69.
	45, 55	280		45	50	55	23	7	8×	14	7	2	79.
	75	315S		55	60	66	26	7	8×	17	8	2	85.

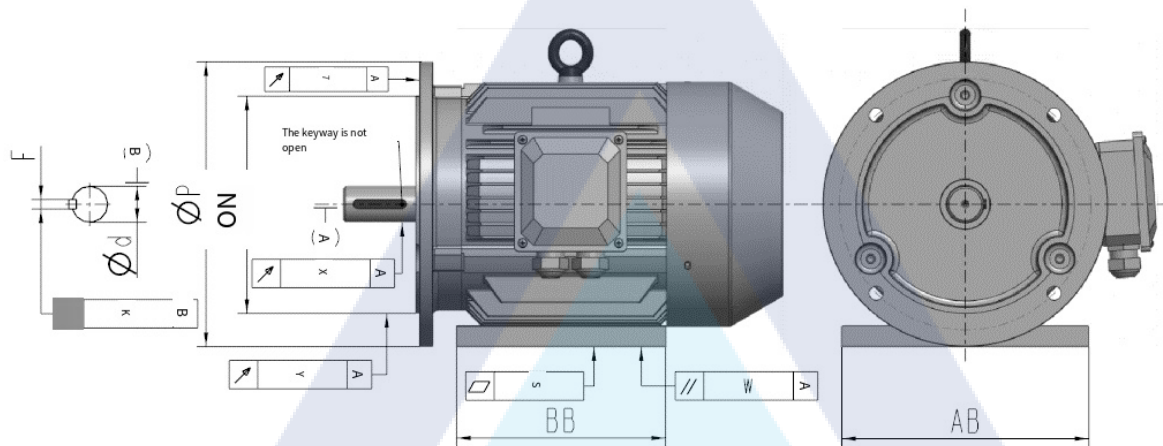
3.6 Three-phase asynchronous motor -B5 outline and mounting dimensions



Seat No.	Rated power 4P (kW)	Rated power 6P (kW)	d	E	F	G	M	N	P	S	T	AC	AD	LA	HF	L1	
			4-10P	4-10P	4-10P	4-10P										4-10P	
63M	0.18		11	23	4	12.5	115	95	140	10	3	130	70	10	130	207	
71M1	0.25	0.18	14	30	5	16	130	110	160		12	3.5	145	80	10	145	225
71M2	0.37	0.25															
80M1	0.55	0.37	19	40	6	21.5	165	130	200	15							
80M2	0.75	0.55															
90S	1.1	0.75	24	50	8	27					19	5	195	155	12	195	270
90L	1.5	1.1															
100L1	2.2	1.5	28	60	31	215	180	250	15	4							
100L2	3																
112M	4										2.2						
132S	5.5	3	38	80	10	41	265	230	300	19	5	275	210	14	315	390	
132M1	7.5	4															
132M2		5.5															
160M	11	7.5	42	110	12	45	300	250	350	19	5	330	255	16	385	505	
160L	15	11												16		560	
180M	18.5		48		14	51.5	380	280	18			430	590				
180L	22	15							18				630				
200L1	30	18.5	55	140	16	59	350	300	400	24	6	420	305	18	480	660	
200L2		22															
225S	37		60		140	18	64	400	350			450	470	335	20	535	675
225M	45	30	60		140		64								20		705
250M	55	37	65		140	18	69	500	450			550	510	370	22	595	770
280S	75	45	75	20		79.5	22			845							
280M	90	55									22				895		
315S	110	75	80	170	22	85	600	550	660	24	6	645	530	25	845	1100	

3.7 IEC motor form and position tolerance requirements

The user's own or self-supplied motor must meet the following form and position tolerance requirements



1. Motor mounting surface jumping (B5, B35)

machine seat No.	Shaft extension beat (X)		Stop bump (Y)		End beat (Z)	
	Shaft extension diameter (d)	Level 9 (halfway up the shaft)	Flange stop diameter (N)	Grade 9	Outer circle Diameter (P)	Level 9
63 ~ 315	10 to 18	0.04	60 to 95	0.08	60 ~ 95	0.08
	18 ~ 30	0.04	> 95 to 230	0.1	> 95 ~ 230	0.1
	> 30 ~ 50	0.05	> 230 to 450	0.125	> 230 ~ 450	0.125
	> 50 ~ 80	0.06	> 450 ~ 680	0.16	> 450 ~ 680	0.16

2. Motor shaft extension upper keyway symmetry tolerance (B5, B35)

Width of keyway (F)	Symmetry tolerance (K)
4	0.018
5	
6	
8	0.022
10	
12	
14	0.030
16	
18	
20	0.037
22	

3. Parallel tolerance of motor axis to supporting surface of foot (B35)

Type size	Parallelism tolerance (W)
63 to 250	0.40
> 250 ~ 315	0.75

4 Flatness tolerance of motor foot bearing surface (B35)

Maximum size in AB or BB	Flatness tolerance (S)
> 100 to 160	0.12
> 160 ~ 250	0.15
> 250 ~ 400	0.20
> 400 to 630	0.25
> 630 to 1000	0.30

3.8 Reducer and motor weight

1) Weight of first-level motor direct-connected reducer (unit: kg)

Specifications	BW09	BW0	BW1	BW2	BW3	BW4	BW5	XW1	XW2	XW3
Weight	8	9	18	31	54	93	145	9	9	18
Specifications	XW4	XW5	XW6	XW7	XW8	BL09	BL0	BL1	BL2	BL3
Weight	32	55	93	103	160	8	8	18	29	54
Specifications	BL4	BL5	XL1	XL2	XL3	XL4	XL5	XL6	XL7	XL8
Weight	90	146	8	8	18	29	54	93	98	146

2) Weight of primary motor disc type/dual-shaft type reducer (unit: kg)

Specification	BW09	BW0	BW1	BW2	BW3	BW4	BW5	BW6	BW7	BW8	BW9	XW1
Weight	12	15	25	42	71	119	181	347	500	1047	2347	13
Specifications	XW2	XW3	XW4	XW5	XW6	XW7	XW8	XW9	XW10	XW11	XW12	BL09
Weight	15	25	42	72	119	129	197	348	500	1047	2347	12
Specifications	BL0	BL1	BL2	BL3	BL4	BL5	BL6	BL7	BL8	BL9	XL1	XL2
Weight	14	25	40	71	116	183	344	512	1010	2416	12	14
Specifications	XL3	XL4	XL5	XL6	XL7	XL8	XL9	XL10	XL11	XL12		
Weight	25	40	71	119	123	183	353	512	1010	2416		

3) Weight of two-stage motor direct-connected reducer (unit: kg)

Specifications	BWE10	BWE20	BWE31	BWD41	BWE42	BWE52	BWE53	BWE63	BWE64	BWE74	BWE84
Weight	28	42	74	117	127	186	196	357	378	534	1024
Specifications	BWE85	BWE95	XWE32	XWE42	XWE53	XWE63	XWE64	XWE74	XWE84	XWE85	XWE95
Weight	1054	2243	28	43	75	117	127	137	201	211	358
Specs	XWE96	XWE106	XWE117	XWE118	XWE128	BLE10	BLE20	BLE31	BLE41	BLE42	BLE52
Weight	378	534	1024	1054	2243	28	42	73	114	124	188
Specs	BLE53	BLE63	BLE64	BLE74	BLE84	BLE85	BLE95	XLE32	XLE42	XLE53	XLE63
Weight	198	354	373	544	987	1017	2174	28	42	73	117
Specs	XLE64	XLE74	XLE84	XLE85	XLE95	XLE96	XLE106	XLE117	XLE118	XLE128	
Weight	127	131	188	198	363	383	544	987	1017	2174	

4) Weight of two-stage motor disc type/two-shaft type reducer (unit: kg)

Specification	BWE10	BWE20	BWE31	BWD41	BWE42	BWE52	BWE53	BWE63	BWE64	BWE74	BWE84
Weight	34	49	81	124	138	197	213	374	421	557	1050
Specs	BWE85	BWE95	XWE32	XWE42	XWE53	XWE63	XWE64	XWE74	XWE84	XWE85	XWE95
Weight	1090	2210	34	50	82	124	138	148	212	228	380
Specs	XWE96	XWE106	XWE117	XWE118	XWE128	BLE10	BLE20	BLE31	BLE41	BLE42	BLE52
Weight	422	557	1050	1090	2210	34	47	81	121	135	199
Specs	BLE53	BLE63	BLE64	BLE74	BLE84	BLE85	BLE95	XLE32	XLE42	XLE53	XLE63
Weight	215	371	417	569	1013	1053	2279	34	48	81	124
Specs	XLE64	XLE74	XLE84	XLE85	XLE95	XLE96	XLE106	XLE117	XLE118	XLE128	
Weight	138	142	199	215	375	427	569	1013	1053	2279	

Note: The above reducer weight is the average, does not include the motor weight, for reference only.

5) Three-phase asynchronous motor -B5 weight (unit: kg)

Motor model	63M1-4	71M1-4	71M2-4	80M1-4	80M2-4	90S-4	90L-4	100L1-4	100L2-4	112M-4	132S-4
Rated power (kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5
Weight (kg)	8	10	10.5	14	14.7	21	27.5	31	35	41	65
Motor type	132M-4	160M-4	160L-4	180M-4	180L-4	200L-4	225S-4	225M-4	250M-4	280S-4	
Rated power (kW)	7.5	11	15	18.5	22	30	37	45	55	75	
Weight (kg)	71.5	110	132	164	190	245	285	325	400	553	
Motor type	180L-6	200L1-6	200L2-6	225M-6	250M-6	280S-6	280M-6	315S-6	315M-6	315L1-6	
Rated power (kW)	15	18.5	22	30	37	45	55	75	90	110	
Weight (kg)	180	222	235	290	375	492	550	930	1030	1150	

Note: The weight of the motor varies slightly from manufacturer to manufacturer, and the above motor weight is for reference only.

4 Instructions for use and lubrication

4.1 Instructions for use

1. The reducer is suitable for 24 hours continuous working system, and allows positive and negative operation.
2. The output shaft steering of the primary drive reducer is opposite to the input shaft steering, and the output shaft steering of the secondary drive reducer is the same as the input shaft steering.
3. The reducer has no self-locking function. If used in dangerous occasions such as lifting device, brake motor should be selected or a motion device should be added at the input end.
4. The output shaft of the reducer cannot bear the axial force.
5. Overload protection device should be installed when overload phenomenon may occur.
6. The anchor reducer should be installed on a very solid horizontal foundation without vibration. In the use of occasions that must be inclined to install, the inclination of the shaft line of the reducer shall not be greater than $\pm 15^\circ$.
7. When the reducer is working in bad working conditions, frequent start and stop and high temperature or low temperature occasions, please contact our technical department.
8. The shaft extension form of the input shaft and output shaft of the reducer is cylindrical, and the ordinary flat key is used to connect. Ordinary flat key size according to GB1096 "ordinary flat key" provisions.
9. When the reducer is connected with the coupling of the matching machinery, the coaxial degree of the axis line of the two shall not exceed the allowable range of the coupling.
10. When the reducer is connected with the gear and sprocket, the parallelism of the axis lines must be ensured.
11. When using the sprocket to drive, do not put the tooth chain too loose, otherwise it will have an impact force when starting, the shell material is recommended to change to ductile iron to strengthen the strength of the shell.
12. When coupling, gear, sprocket and other coupling parts are connected to the output shaft of the reducer, the direct hammer method should not be used, and the screw hole at the end of the shaft should be used to screw in the bolt and press into the plate.
13. After the installation of the reducer, it must be tested before formal use. In the case of normal no-load operation, then gradually load operation.

4.2 Lubrication notice

1. Lubrication method

First class transmission lubrication method

Type size Mounting form	B09	B0	B1	B2	B3	B4	B5	B6	B7	B8	B9
Foot plate M1 mounting	Grease lubrication			Oil bath lubrication		Circulating lubrication					
Flange type M4 mounting											

Secondary drive lubrication method

Model No. Mounting form	B10	B20	B31	B41	B42	B52	B53	B63	B74	B84	B85	B95
Foot plate M1 mounting	Grease lubrication			Oil bath lubrication								
Flange type M4 mounting				Circulating lubrication								

Note: a. X series reducer lubrication method refer to the corresponding B series model;
b. For other installation types, please contact our technical department.

2. All the grease lubrication models listed in the above table have been filled before delivery and can be used directly. It will be replenished once every 1-2 months. 2 # lithium-based grease or 00 # reducer grease is recommended. It is suitable for use at -5℃ ~ 55℃ ambient temperature. Other special environment, please contact our technical department.

3. The oil lubrication model is used. The oil has been drained before leaving the factory. Please add enough oil according to the oil standard before use. Recommended lubricating oil see the following table.

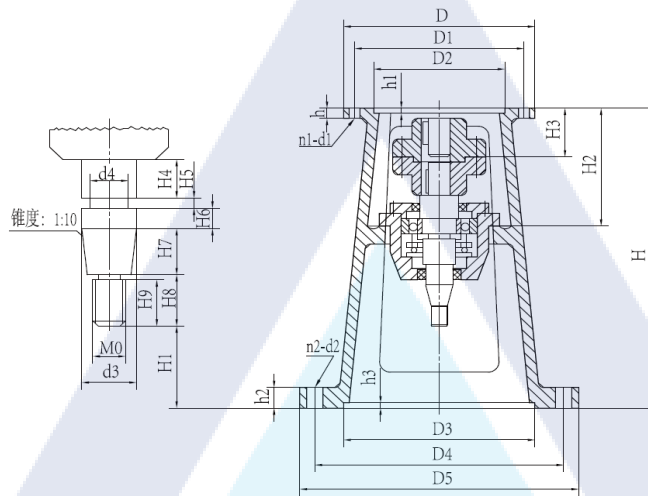
Ambient temperature	Domestic (medium load EP gear)	Esso brand	Mobil Mobil	Shell Shell
-10C to 5C	L-CKC68	Spartan EP 68	Mobil Gear Oil (IOS VG68)	Omala can withstand 68
0 ° C to 35 ° C	L-CKC100 L-CKC150	Spartan EP 100 EP 150	Mobil gear oil 627 629 (IOS VG100,150)	Omala can withstand pressure 100 150
30 ° C to 50 ° C	L-CKC220 L-CKC320	Spartan EP 220 EP 320	Mobil gear oil 630 632 633 634 (IOS VG200,320)	Omala can withstand pressure 220 320

4. When filling lubricating oil, the oil level height should not exceed the upper limit of the oil mark, nor should it be lower than the lower limit of the oil mark. In the operation process, the oil level height should be often observed, and the same grade of lubricating oil should be added in time.

5. For other operation and maintenance requirements, please refer to the product operation manual, NO.002M.

5 Chemical reaction tank rack

5.1 Type JBT (79 standard) glass lined reaction tank frame



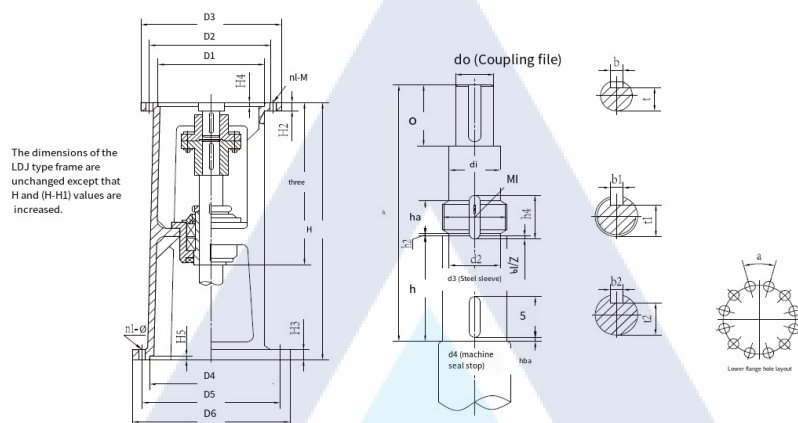
JBT type (79 standard) frame main parameters and dimensions

Rack model	Input port						Output interface						H	H1	H2	H3
	D	D1	D2	h	h1	n1-d1	D3	D4	D5	h2	h3	n2-d2				
JBT1-B1(X3)	230	200	170	20	6	6 to 12	220	270	305	22	7	4-24	514	157	185	75
JBT2-B1(X3)	230	200	170	20	6	6 to 12	250	300	335	22	7	4-24	517	150	190	80
JBT2-B2(X4)	260	230	200	20	7	6-13	250	300	335	25	7	4-24	530	134	210	94
JBT3-B2(X4)	260	230	200	20	7	6-13	295	350	392	26	7	4-26	560	164	210	94
JBT3-B3(X5)	340	310	270	20	7	6-13	295	350	392	26	7	4-26	560	164	210	100
JBT4-B3(X5)	340	310	270	20	7	6-13	345	400	442	26	7	4-26	635	203	210	100
JBT5-B3(X5)	340	310	270	22	7	6-13	390	450	498	26	7	4-30	640	193	210	100
JBT5-B4(X6)	400	360	320 (316)	22	7	8-16	390	450	498	26	7	4-30	680	193	250	120
JBT6-B4(X6)	400	360	320 (316)	22	7	8-16	435	500	548	30	7	8-30	736	215	250	120
JBT6-X7	430	390	345	22	7	8 to 18	435	500	548	30	7	8-30	736	215	250	120
JBT6-B5(X8)	490	450	400	22	7	12-18	435	500	548	30	7	8-30	736	215	270	145
JBT7-B5(X8)	490	450	460 (455)	26	10	12-18	440	550	600	30	10	12 and 22	805	180	296	145
JBT8-B6(X9)	580	520	460 (455)	30	10	12 and 22	500	550	600	32	10	12 and 22	820	150	362	177
JBT9-B7(X10)	650	590	520	30	12	12 and 22	560	650	seven hundred.	35	10	12-27	1100	326	455	204

Rack Model number	H4	H5	H6	H7	H8	H9	d3	d4	MO	Reaction tank volume (L)
JBT1-B1(X3)	45	4	6	33	34	28	30	24	M24×3	50-100.
JBT2-B1(X3)	40	5	6	44	32	25	39	33	M33 x 3.5	200
JBT2-B2(X4)	45	5	6	47	34	27	39	32	M33 x 3.5	200
JBT3-B2(X4)	45	5	6	47	34	27	39	32	M33 x 3.5	300-500.
JBT3-B3(X5)	42	5	6	47	34	27	39	32	M33 x 3.5	300-500.
JBT4-B3(X5)	50	5	8	53	44	35	50	41.5	M42 x 4.5	1000-2000.
JBT5-B3(X5)	55	5	8	58	49	39	60	51.5	M52×5	3000
JBT5-B4(X6)	55	5	8	58	49	39	60	51.5	M52×5	3000
JBT6-B4(X6)	75	9	8	65	52	42	70	61.5	M64×6	5000
JBT6-X7	75	9	8	65	52	42	70	61.5	M64×6	5000
JBT6-B5(X8)	75	9	8	65	52	42	70	61.5	M64×6	5000
JBT7-B5(X8)	74	8	10	89	52	44	90	79	M80×6	
JBT8-B6(X9)	48	9	10	90	60	52	100	89	M90×6	
JBT9-B7(X10)	50	10	10	100	50	46	110	99	M98×6	

Note: JBT6 thread M0 can be made M52×5, JBT7, JBT8, JBT9 thread M0 can be made M80×2, M90×2, M98×2, please specify separately when ordering.

5.2 DJ, LDJ rack



Main parameters and dimensions of DJ, LDJ type single support rack

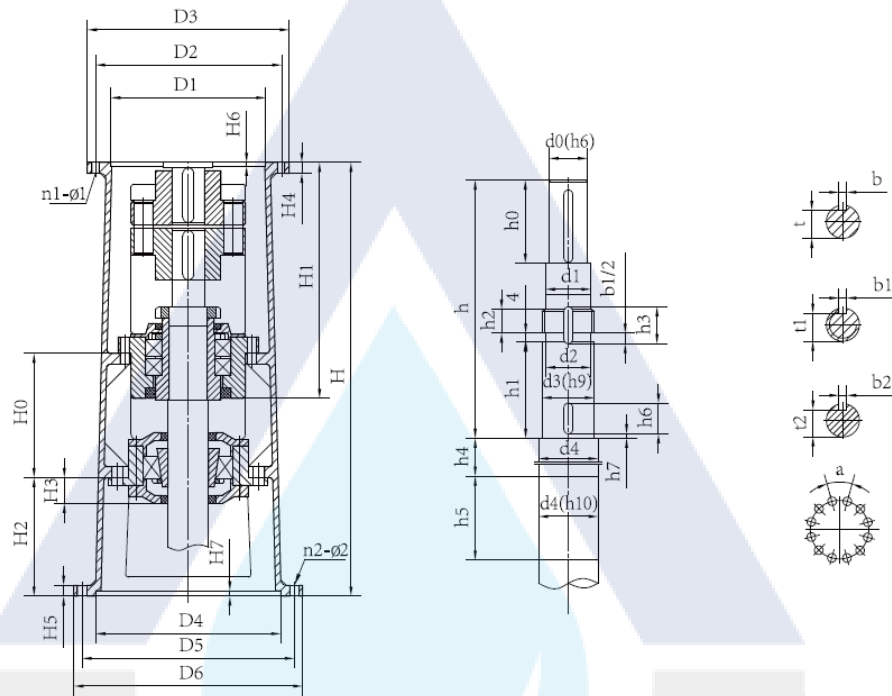
Rack model	H1	H2	H3	H4	H5	Input end interface				Output interface				
						D1	D2	D3	n1-M	D4	D5	6	a	n2-∅
DJ.LDJ30-B0	320	15	20	4	6	140	160	190	4-M10	240	285	315	30	12 - ∅ 14
DJ.LDJ30-B1(X3)	320	15	20	4	6	170	200	230	6-M12	240	285	315	30	12 - ∅ 14
DJ.LDJ35-B1(X3)	334	17	20	5	6	170	200	230	6-M10	260	320	360	30	12 - ∅ 14
DJ.LDJ40-B2(X4)	334	17	20	4	6	200	230	260	6 - ∅ 12	260	320	360	30	12 - ∅ 14
DJ.LDJ45-B2(X4)	338	20	20	5	6	200	230	260	6 - ∅ 12	260	320	360	30	12 - ∅ 14
DJ.LDJ55-B3(X5)	372	22	24	6	6	270	310	340	6 - ∅ 13.5	325	400	435	30	12 - ∅ 14
DJ.LDJ65-B4(X6)	447	22	24	6	6	320 (316)	360	400	8 - ∅ 15	350	420	460	30	12-18 ∅
DJ.LDJ70-B4(X6)	447	22	24	6	6	320 (316)	360	400	8 - ∅ 15	350	420	460	30	12-18 ∅
DJ.LDJ80-B4(X6)	495	22	28	6	8	320 (316)	360	400	8 - ∅ 15	380	455	495	30	12-18 ∅
DJ.LDJ80-X7	495	22	28	6	8	345	390	430	8 - ∅ 18	380	455	495	30	12-18 ∅
DJ.LDJ80-B5(X8)	495	22	28	6	8	400	450	490	12-18 ∅	380	455	495	30	12-18 ∅
DJ.LDJ90-B5(X8)	519	22	28	7	8	400	450	490	12-18 ∅	430	510	555	30	12 - ∅ 23
DJ.LDJ100-B6(X9)	535	25	28	9	10	460 (455)	520	580	12 - ∅ 22	480	560	600	22.5	16 - ∅ 23
DJ.LDJ110-B7(X10)	660	30	28	11	10	520	590	650	12 - ∅ 22	560	650	seven hundred.	22.5	16-27 ∅
DJ.LDJ120-B7(X10)	660	30	28	11	10	520	590	650	12 - ∅ 22	560	650	seven hundred.	22.5	16-27 ∅
DJ.LDJ130-B8(X11)	790	45	40	12	10	680	800	880	12 - ∅ 38	720	810	880	18	20 - ∅ 27
DJ.LDJ140-B8(X11)	790	45	40	12	12	680	800	880	12 - ∅ 38	720	810	880	18	20 - ∅ 27
DJ.LDJ180-B9(X12)	910	55	50	14	12	960	1080	1160	8 - ∅ 39	970	1080	1160	18	20 - ∅ 33

Model number	Mixing shaft end dimensions																				DJ type		LDJ type	
	h(B/X)	h0	h1	h	h	h	h	h	d0	d1	d2	M1	d3(h9)	d4	b	t	b	t1	b	t2	H			
DJ.LDJ30-B0	250/25	53	10	3	13	22	30	3	30	32	32.	M35 x 1.5	35	40	8	26	6	31	6	32	550	seven		
DJ.LDJ30-B1(X3)	250/25	53	10	3	13	22	30	3	30	32	32.	M35 x 1.5	35	40	8	26	6	31	6	32	550	seven		
DJ.LDJ35-B1(X3)	253	53	11	3	15	24	40	3	35	42	42.	M45 x 1.5	45	50	1	30	6	41	6	42	600	750		
DJ.LDJ40-B2(X4)	242/24	69	11	3	15	24	40	3	40	42	42.	M45 x 1.5	45	50	1	35	6	41	6	42	600	750		
DJ.LDJ45-B2(X4)	246	69	11	3	15	28	40	3	45	47	47.	M50 x 1.5	50	65	1	40	8	46	8	46	600	750		
DJ.LDJ55-B3(X5)	274/27	80	11	4	15	27	40	3	55	57	57	M60×2	60	65	1	49	8	56	8	56	660	760		
DJ.LDJ65-B4(X6)	333	87	14	4	18	32	50	3	65	71	72	M75×2	75	80	1	58	10	69	10	70	720	870		
DJ.LDJ70-B4(X6)	333/32	87	14	4	18	32	50	3	70	71	72	M75×2	75	80	2	63	10	69	10	70	720	870		
DJ.LDJ80-B4(X6)	371/34	91	16	4	18	32	60	3	80	81	82	M85×2	85	90	2	71	10	79	10	80	785	935		
DJ.LDJ80-X7	371	91	16	4	18	32	60	3	80	81	82	M85×2	85	90	2	71	10	79	10	80	785	935		
DJ.LDJ80-B5(X8)	365	91	16	4	18	32	60	3	80	81	82	M85×2	85	90	2	71	10	79	10	80	785	935		
DJ.LDJ90-B5(X8)	375	12	16	4	20	36	60	3	90	91	92	M95×2	95	11	2	81	12	89	12	90	805	955		
DJ.LDJ100-B6(X9)	386/36	13	17	4	24	42	60	3	10	11	112	M115×2	115	12	2	90	14	10	14	11	820	1020		
DJ.LDJ110-B7(X10)	456	15	17	4	24	42	60	3	11	11	112	M115×2	115	12	2	10	14	10	14	11	1100	1150		
DJ.LDJ120-B7(X10)	456	15	17	4	24	42	60	3	12	12	122	M125×2	125	14	3	10	14	11	14	12	1100	1150		
DJ.LDJ130-B8(X11)	570	19	20	4	28	46	70	3	13	13	137	M140×2	140	15	3	11	14	13	14	13	1200	1400		
DJ.LDJ140-B8(X11)	570	19	20	4	28	48	70	3	14	14	147	M150×2	150	16	3	12	16	14	16	14	1200	1400		
DJ.LDJ180-B9(X12)	535	23	24	4	36	58	90	3	18	18	186	M190×3	190	20	4	16	18	18	18	18	1280	1400		

Note: The lower space height of the increased LDJ frame can accommodate 205, 206, 207 double-end mechanical seals.

5.3 SJ, LSJ type rack

LSJ型机架为增高型
机架除H和H2值增高
外其他尺寸不变。



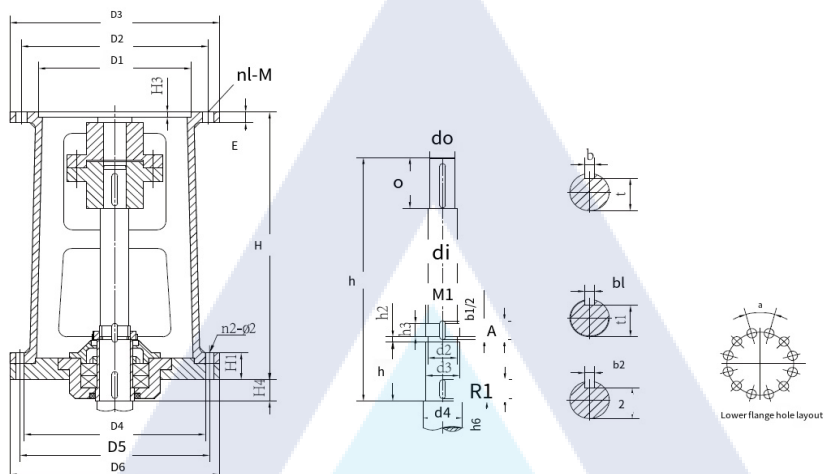
SJ, LSJ type double fulcrum rack main parameters and dimensions

Rack code	H0	H1	H3	H4	H5	H6	H7	D1	D2	D3	n1-ø1	D4	D5	D6	α°	n2-ø2
SJ.LSJ55-B3(X5)	450	402	58	22	24	6	6	270	310	340	6 - □ 13.5	325	400	435	30	12 - ø 14
SJ.LSJ65-B4(X6)	450	487	58	22	24	6	6	320 (316)	360	400	8 - ø 15	350	420	460	30	12-18 ø
SJ.LSJ70-B4(X6)	450	487	58	22	24	6	6	320 (316)	360	400	8 - ø 15	350	420	460	30	12-18 ø
SJ.LSJ80-B4(X6)	450	545	60	25	28	6	8	320 (316)	360	400	8 - ø 15	380	455	495	30	12 - ø 23
SJ.LSJ80-X7	450	545	60	25	28	6	8	345	390	430	8 - ø 18	380	455	495	30	12 - ø 23
SJ.LSJ80-B5(X8)	450	545	60	25	28	6	8	400	450	490	12-18 ø	380	455	495	30	12 - ø 23
SJ.LSJ90-B5(X8)	600	569	69	25	40	7	8	400	450	490	12-18 ø	430	510	555	30	12 - ø 23
SJ.LSJ100-B6(X9)	600	685	61	30	40	9	10	460 (455)	520	580	12 - ø 22	480	560	600	22.5	16 - ø 23
SJ.LSJ110-B7(X10)	600	685	61	38	40	11	10	520	590	650	12 - ø 22	560	650	seven hundred.	22.5	16-27 ø
SJ.LSJ120-B7(X10)	600	685	61	38	40	11	10	520	590	650	12 - ø 22	560	650	seven hundred.	22.5	16-27 ø
SJ.LSJ130-B8(X11)	650	761	85	40	45	11	10	680	800	880	12 - ø 38	720	810	880	18	20 - ø 27
SJ.LSJ140-B8(X11)	650	761	85	40	45	11	12	680	800	880	12 - ø 38	720	810	880	18	20 - ø 27
SJ.LSJ180-B9(X12)	650	910	83	50	80	14	12	960	1080	1160	8 - ø 39	840	1080	1160	18	20 - ø 33

Rack code	Mixing shaft end dimensions																				SJ Type		LSJ type		
	h(B/X)	h0	h1	h2	h3	h4	h5	h6	h7	d0	d1	d2	M0	d3(h9)	d4	b	t	b1	t1	b2	t2	H	H2	H	H2
SJ.LSJ55-B3(X5)	307/302	80	118	15	24	300	120	40	3	55	57	57	M60×2	60	65	16	49	8	56	8	56	1070	312	1220	462
SJ.LSJ65-B4(X6)	373	95	143	18	32	275	135	50	3	65	72	72	M75×2	75	80	18	58	10	69	10	70	1140	307	1290	457
SJ.LSJ70-B4(X6)	373/367	95	143	18	32	275	135	50	3	70	72	72	M75×2	75	80	20	63	10	69	10	70	1140	307	1290	457
SJ.LSJ80-B4(X6)	422	95	163	18	32	250	139	60	3	80	81	82	M85×2	85	90	22	71	10	79	10	80	1230	354	1380	504
SJ.LSJ80-X7	422	95	163	18	32	250	139	60	3	80	81	82	M85×2	85	90	22	71	10	79	10	80	1230	354	1380	504
SJ.LSJ80-B5(X8)	418	95	163	18	32	250	139	60	3	80	81	82	M85×2	85	90	22	71	10	79	10	80	1230	354	1380	504
SJ.LSJ90-B5(X8)	436	115	168	20	36	380	162	60	3	90	91	92	M95×2	95	110	25	81	12	89	12	90	1400	363	1550	513
SJ.LSJ100-B6(X9)	532/510	135	178	24	42	360	182	60	3	100	110	112	M115×2	115	125	28	90	14	109	14	109.5	1510	350	1710	550
SJ.LSJ110-B7(X10)	489	145	178	24	42	380	182	60	3	110	111	112	M115×2	115	125	28	100	14	109	14	109.5	1510	350	1710	550
SJ.LSJ120-B7(X10)	489	145	178	24	42	380	182	60	3	120	122	122	M125×2	125	140	32	109	14	119	14	119.5	1510	350	1710	550
SJ.LSJ130-B8(X11)	537	205	208	28	46	370	200	70	3	130	135	137	M140×2	140	150	32	119	14	132	14	134.5	1610	374	1810	574
SJ.LSJ140-B8(X11)	537	205	208	28	48	370	200	70	3	140	145	147	M150×2	150	160	36	128	16	142	16	144	1610	374	1810	574
SJ.LSJ180-B9(X12)	535	290	242	36	58	310	230	90	3	180	185	186	M190×3	190	200	45	165	18	180	18	182	1710	402	1920	602

Note: The lower space height of the LSJ type frame after increasing can accommodate 205, 206, 207 double-end mechanical seals.

5.4 DXJ type rack

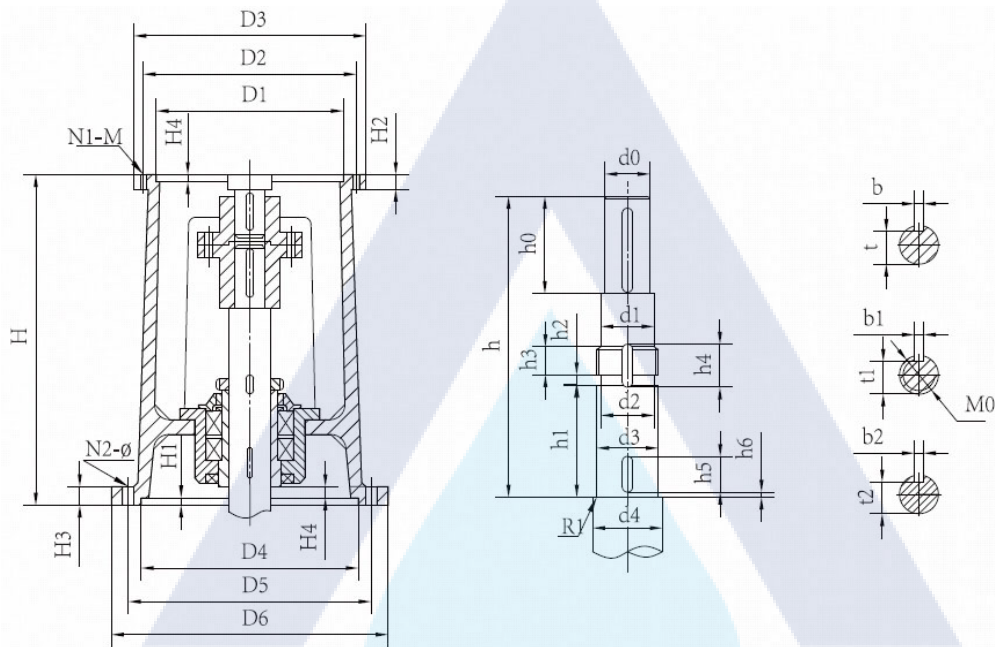


DXJ type single pivot frame main parameters and dimensions

Rack model	H	H1	H2	H3	H4	Input end interface				Output interface				
						D1	D2	D3	n1-M	D4	D5	D6	α	n2-φ
DXJ30-B0	470	40	15	4	45	140	160	190	4-M10	240	285	315	30	12 - φ 14
DXJ30-B1(X3)	470	40	15	4	45	170	200	230	6 - φ 12	240	285	315	30	12 - φ 14
DXJ35-B1(X3)	524	48	15	5	47	170	200	230	6-M10	260	320	360	30	12 - φ 14
DXJ40-B2(X4)	524	48	15	4	47	200	230	260	6 - φ 12	260	320	360	30	12 - φ 14
DXJ45-B2(X4)	524	48	15	5	49	200	230	260	6 - φ 12	260	320	360	30	12 - φ 14
DXJ55-B3(X5)	580	55	20	6	47	270	310	340	6 - φ 13.5	325	400	435	30	12 - φ 14
DXJ65-B4(X6)	634	60	20	6	58	320 (316)	360	400	8 - φ 15	350	420	460	30	12-18 φ
DXJ70-B4(X6)	634	60	20	6	58	320 (316)	360	400	8 - φ 15	350	420	460	30	12-18 φ
DXJ80-B4(X6)	678	65	25	6	70	320 (316)	360	400	8 - φ 15	380	455	495	30	12-18 φ
DXJ80-X7	678	65	25	6	70	345	390	430	8 - φ 18	380	455	495	30	12-18 φ
DXJ80-B5(X8)	678	65	25	6	70	400	450	490	12-18 φ	380	455	495	30	12-18 φ
DXJ90-B5(X8)	seven hundred.	75	2	7	72	400	450	490	12-18 φ	430	510	555	30	12 - φ 23
DXJ100-B6(X9)	740	80	25	9	76	460 (455)	520	580	12 - φ 22	480	460	600	22.5	16 - φ 23
DXJ110-B7(X10)	840	80	30	11	76	520	590	650	12 - φ 22	560	650	seven hundred.	22.5	16-27 φ
DXJ120-B7(X10)	840	80	30	11	76	520	590	650	12 - φ 22	560	650	seven hundred.	22.5	16-27 φ
DXJ130-B8(X11)	950	94	30	11	85	680	800	880	12 - φ 38	720	810	880	18	20 - φ 27
DXJ140-B8(X11)	950	94	30	11	85	680	800	880	12 - φ 38	720	810	880	18	20 - φ 27
DXJ180-B9(X12)	1050	100	40	14	115	960	1080	1160	8 - φ 39	970	1080	1160	18	20 - φ 33

Rack Model number	Mixing shaft end dimensions																			
	h(B/X)	h0	h1	h2	h3	h4	h5	h6	d0	d1	d2	M1	d3	d4	b	t	b1	t1	b2	t2
DXJ30-B0	431/445	53	103	3	13	22	30	3	30	32	32.8	M35 x 1.5	35	40	8	26	6	31	6	31.5
DXJ30-B1(X3)	431/445	53	103	3	13	22	30	3	30	32	32.8	M35 x 1.5	35	40	8	26	6	31	6	31.5
DXJ35-B1(X3)	490	53	113	3	15	24	40	3	35	42	42.8	M45 x 1.5	45	50	10	30	6	41	6	41.5
DXJ40-B2(X4)	479/482	69	113	3	15	24	40	3	40	42	42.8	M45 x 1.5	45	50	12	35	6	41	6	41.5
DXJ45-B2(X4)	481	69	113	3	15	28	40	3	45	47	47.8	M50 x 1.5	50	65	14	39.5	8	46	8	46
DXJ55-B3(X5)	530	80	118	4	15	27	40	3	55	57	57	M60 x 2	60	65	16	49	8	56	8	56
DXJ65-B4(X6)	590	87	143	4	18	32	50	3	65	71	72	M75 x 2	75	80	18	58	10	69	10	70
DXJ70-B4(X6)	590/580	87	143	4	18	32	50	3	70	71	72	M75 x 2	75	80	20	62.5	10	69	10	70
DXJ80-B4(X6)	630/590	91	163	4	18	32	60	3	80	81	82	M85 x 2	85	90	22	71	10	79	10	80
DXJ80-X7	630/590	91	163	4	18	32	60	3	80	81	82	M85 x 2	85	90	22	71	10	79	10	80
DXJ80-B5(X8)	618	91	163	4	18	32	60	3	80	81	82	M85 x 2	85	90	22	71	10	79	10	80
DXJ90-B5(X8)	636	125	168	4	20	36	60	3	90	91	92	M95 x 2	95	110	25	81	12	89	12	90
DXJ100-B6(X9)	667/635	134	178	4	24	42	60	3	100	111	112	M115 x 2	115	125	28	90	14	109	14	110
DXJ110-B7(X10)	712	155	178	4	24	42	60	3	110	111	112	M115 x 2	115	125	28	100	14	109	14	110
DXJ120-B7(X10)	712	155	178	4	24	42	60	3	120	122	122	M125 x 2	125	140	32	109	14	119	14	120
DXJ130-B8(X11)	815	197	208	4	28	46	70	3	130	135	137	M140 x 2	140	150	32	119	14	132	14	135
DXJ140-B8(X11)	815	197	208	4	32	52	70	3	140	145	147	M150 x 2	150	160	36	128	16	142	16	144
DXJ180-B9(X12)	790	290	242	4	36	58	90	3	180	180	186	M190 x 3	190	200	45	165	18	180	18	182

5.5 JXD type rack

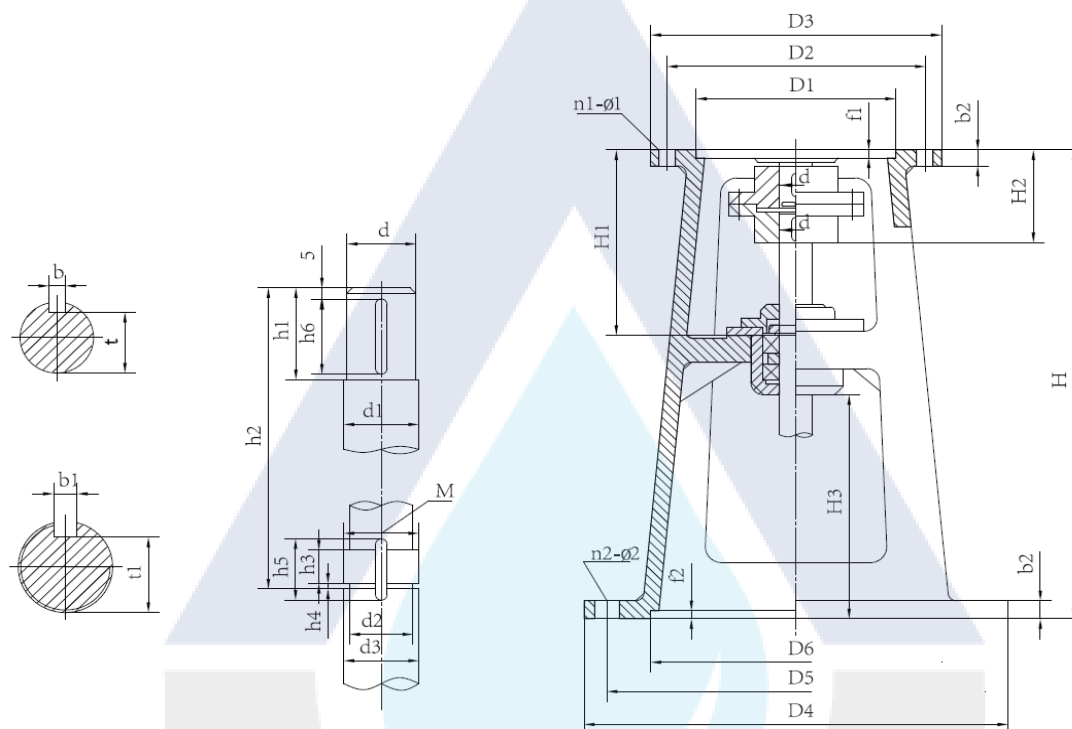


JXD type single support frame main parameters and dimensions

Rack model	H	H1	H2	H3	H4	Input end interface				Output interface			
						D1	D2	D3	N1-M	D4	D5	D6	n2-Ø
JXD35-B1(X3)	450	6	15	24	32	170	200	230	6-M10	315	362	405	12-18 Ø
JXD40-B2(X4)	450	6	15	24	32	200	230	260	6-M10	315	362	405	12-18 Ø
JXD45-B2(X4)	450	6	15	24	22	200	230	260	6-M10	315	362	405	12-18 Ø
JXD55-B3(X5)	450	8	20	28	25	270	310	340	6 - Ø 13.5	315	362	405	12-18 Ø
JXD70-B4(X6)	500	8	20	28	23	320 (316)	360	400	8 - Ø 15	325	390	435	12-18 Ø
JXD80-B4(X6)	540	8	25	30	9	320 (316)	360	400	8 - Ø 15	365	432	485	12 - Ø 23
JXD80-X7	540	8	25	30	9	345	390	430	8 - Ø 18	365	432	485	12 - Ø 23
JXD90-B5(X8)	580	8	25	30	20	400	450	490	12-18 Ø	400	476	565	12 - Ø 26
JXD100-B6(X9)	580	8	25	35	15	460 (455)	520	580	12 - Ø 22	400	476	565	12 - Ø 26
JXD110-B7(X10)	650	10	30	40	15	520	590	650	12 - Ø 22	480	540	685	12 - Ø 26
JXD120-B7(X10)	650	10	30	40	15	520	590	650	12 - Ø 22	480	540	685	12 - Ø 26
JXD130-B8(X11)	800	10	45	45	20	680	800	880	12 - Ø 38	560	635	880	20 - Ø 27
JXD140-B8(X11)	800	10	45	45	20	680	800	880	12 - Ø 38	560	635	880	20 - Ø 27

Rack Model number	Mixing shaft end dimensions																				
	h (B/X)	h1	h2	h3	h4	h5	h6	h0	d0	d1	d2	M0	d3	d4	R1	b	t	b1	t1	b2	t2
JXD35-B1(X3)	340	113	3	15	24	40	3	53	35	42	42.8	M45 x 1.5	45	50	1	10	30	6	41	6	41.5
JXD40-B2(X4)	324	113	3	15	24	40	3	69	40	42	42.8	M45 x 1.5	45	50	1	12	35	6	41	6	41.5
JXD45-B2(X4)	334	113	3	15	28	40	3	69	45	47	47	M50 x 1.5	50	65	1	14	39.5	8	46	8	46
JXD55-B3(X5)	325	118	4	15	28	40	3	80	55	57	57	M60×2	60	65	1	16	49	8	56	8	56
JXD70-B4(X6)	355	143	4	18	32	50	3	87	65	71	72	M75×2	75	80	1	18	58	10	69	10	70
JXD80-B4(X6)	363	163	4	18	32	60	3	91	80	82	82	M85×2	85	90	1.5	22	71	10	79	10	80
JXD80-X7	411	163	4	18	32	60	3	91	80	82	82	M85×2	85	90	1.5	22	71	10	79	10	80
JXD90-B5(X8)	415	168	4	20	36	60	3	125	90	92	92	M95×2	95	110	1.5	25	81	12	89	12	90
JXD100-B6(X9)	410/385	178	4	24	42	60	3	134	100	111	112	M115×2	115	125	2	28	90	14	109	14	109.5
JXD110-B7(X10)	431	178	4	24	42	60	3	155	110	112	112	M115×2	115	125	2	28	100	14	109	14	109.5
JXD120-B7(X10)	431	178	4	24	42	60	3	155	120	122	122	M125×2	125	140	2	32	109	14	119	14	119.5
JXD130-B8(X11)	560	208	4	28	46	70	3	197	130	135	137	M140×2	140	150	2	32	119	14	132	14	134.5
JXD140-B8(X11)	560	208	4	28	46	70	3	197	140	145	146	M150×2	150	160	2	36	128	16	142	16	144

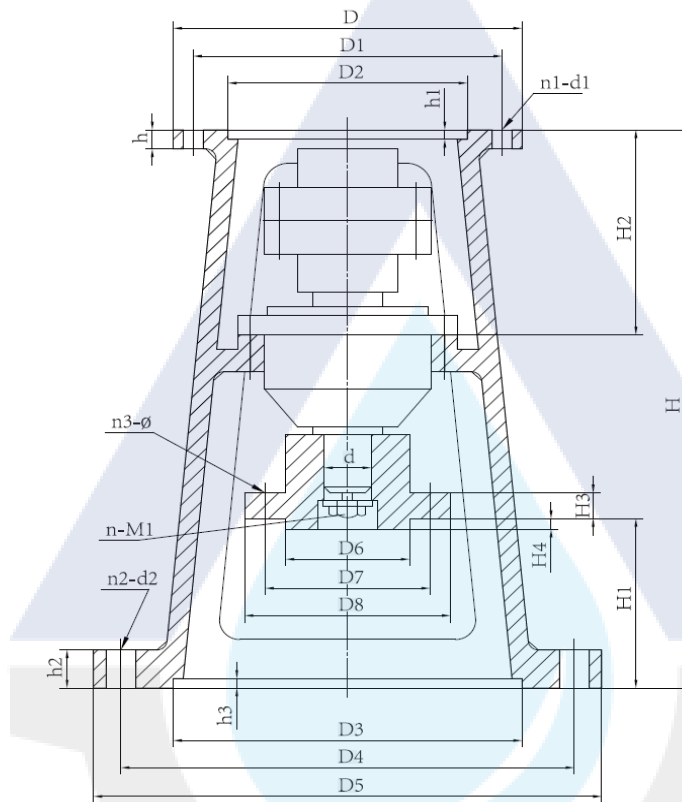
5.6 JXLD type rack (74 mark) (Tianjin mark)



JXLD type (74 standard) frame main parameters and dimensions

Rack Model number	d	Mixing shaft end dimensions												Input end interface dimensions						Output interface dimensions					H1	H2	H3	H		
		d1	M	d2	d3 (k6)	h1	h2	h3	h4	h5	h6	b	t	b1	t1	D3	D2	D1	f1	b2	n1-□1	D4	D5	D6 (H9)					f2	n2-□2
JXLD3	35	40	M45 x 1.5	43	45	60	215	10	3	16	50	10	30	6	41	230	200	170	4	18	6 to 12	410	360	300	6	6 to 18	291	136	170	520
JXLD4	45	50	M55×2	52	55	75	235	14	4	22	69	14	40	8	51	260	230	200	4	18	6 to 12	450	400	335	6	6 to 18	335	175	155	570
JXLD5	55	60	M65×2	62	65	75	301	14	4	22	70	16	49	8	61	340	310	270	6	22	6-13	500	450	385	6	8 to 18	404	178	157	650
JXLD6	65	70	M75×2	72	75	90	277	16	4	25	85	18	58	10	70	400	360	316	6	22	8-16	530	480	410	6	12-18	402	215	168	660
JXLD7	80	85	M90×2	87	90	105	316	20	4	30	100	22	71	12	84	430	390	345	6	24	8 to 18	565	510	430	8	12 and 22	441	230	194	740
JXLD8	90	95	M100×2	97	100	125	320	20	4	30	120	25	81	12	94	490	450	400	7	28	12-18	565	510	430	8	12 and 22	471	276	212	800
JXLD9	100	105	M110×2	107	110	125	308	20	4	31	120	28	90	14	104	580	520	455	9	30	12 and 22	580	520	455	10	12 and 22	496	313	191	810
JXLD10	110	115	M120×2	117	120	155	267	24	4	35	150	28	100	14	114	650	590	520	11	30	12 and 22	650	590	520	10	12 and 22	475	363	221	830
JXLD11	130	135	M140×2	137	140	155	301	28	4	39	150	32	119	14	132	880	800	680	12	30	12-38	880	800	680	12	12-37	521	375	185	850
JXLD12	180	190	M200×2	196	200	284	377	36	4	48	280	45	165	16	190	1160	1020	900	14	45	8-39	1160	1020	900	12	8-39	757	664	235	1200

5.7 TJ type rack



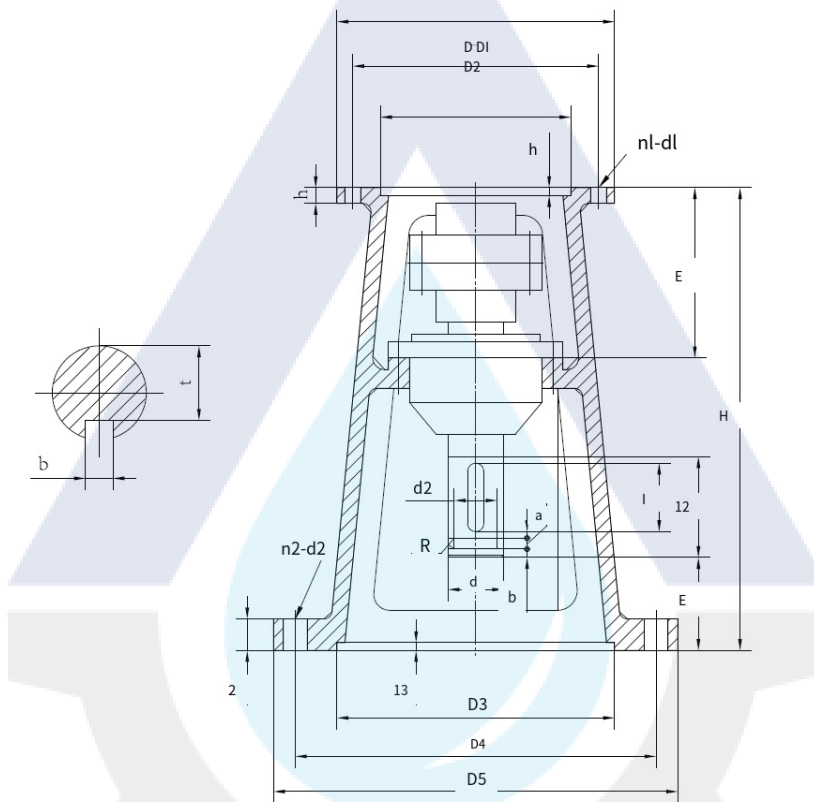
TJ frame, JA coupling under, main parameters and dimensions

Type of frame	Input port						Output interface						H	H1	H2	H3	d	D6	D7	D8	n3-□	n-M1
	D	D1	D2	h	h1	n1-d1	D3	D4	D5	h2	h3	n2-d2										
TJ1-B1(X3)	230	200	170	20	6	6 to 12	220	270	305	22	7	4-24	514	201	185	15	35	60	110	140	4-13.5	1-10
TJ2-B1(X3)	230	200	170	20	6	6 to 12	250	300	335	22	7	4-24	517	197	190	15	35	60	110	140	4-13.5	1-10
TJ2-B2(X4)	260	230	200	20	7	6-13	250	300	335	25	7	4-24	530	176	210	20	45	85	120	160	4-13.5	1-12
TJ3-B2(X4)	260	230	200	20	7	6-13	295	350	392	26	7	4-26	560	206	210	20	45	85	120	160	4-13.5	1-12
TJ3-B3(X5)	340	310	270	20	7	6-13	295	350	392	26	7	4-26	560	191	210	20	45	85	120	160	4-13.5	1-12
TJ4-B3(X5)	340	310	270	20	7	6-13	345	400	442	26	7	4-26	635	245	215	22	55	100	150	180	4 to 18	1-16
TJ5-B3(X5)	340	310	270	22	7	6-13	390	450	498	26	7	4-30	635	250	215	22	55	100	150	180	4 to 18	1-16
TJ6-B4(X6)	400	360	320 (316)	22	7	8-16	435	500	548	30	7	8-30	736	276	250	28	70	110	165	200	4 to 18	1-16
TJ7-B5(X8)	490	450	400	26	10	12-18	440	550	600	30	10	12 and 22	805	241	296	36	90	150	190	230	6 to 18	1-16
TJ8-B6(X9)	580	520	460 (455)	28	10	12 and 22	500	550	600	32	10	12 and 22	820	192	362	36	100	140	200	240	6 to 18	1-16
TJ9-B7(X10)	650	590	520	30	12	12 and 22	560	650	seven hundred.	35	10	12-27	1100	355	455	36	110	150	250	290	6-27	1-16
TJ10-B8(X11)	880	800	680	45	12	12-38	720	810	880	45	10	20-27	1200	304	550	40	130	180	290	350	6-27	1-16

Note: TJ6, TJ7 can be equipped with XL7 reducer, please specify separately when ordering.

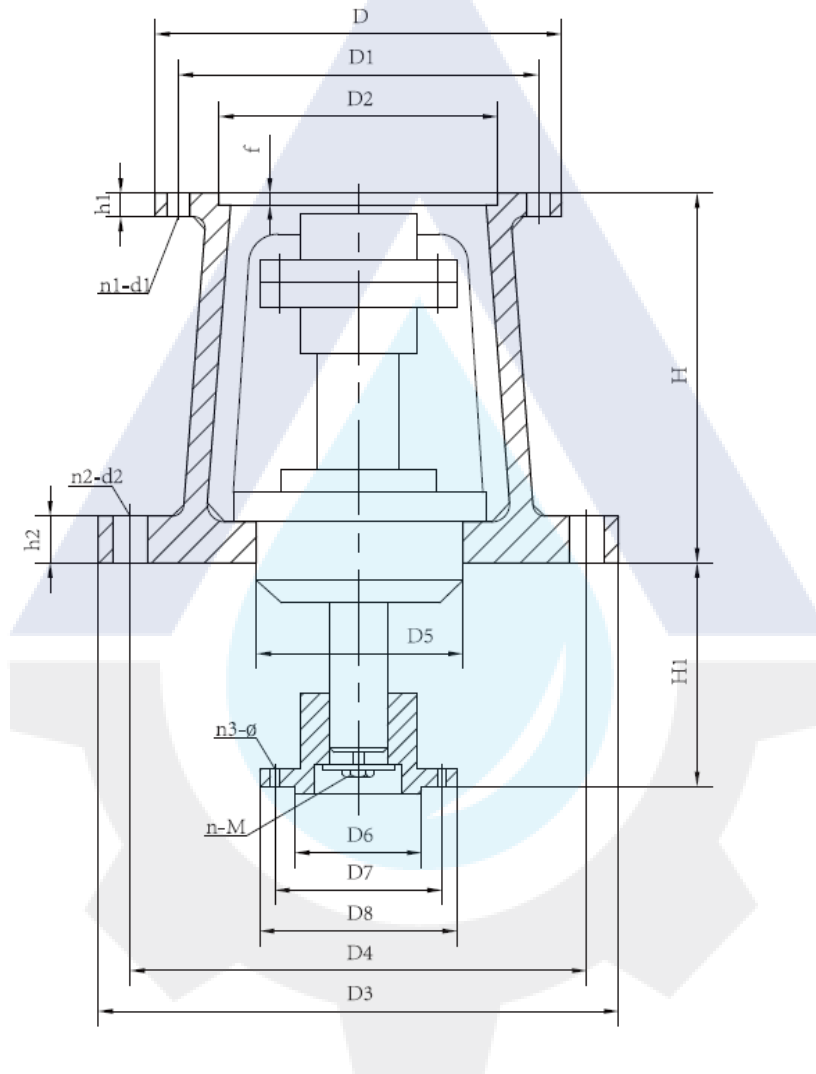
5.8 TJQ type rack

TJQ frame, with JQ
shell coupling,
main parameters
and dimensions



Frame model	d (h7)	Input end interface						Output interface						H	H1	H2	I1	I2	a (H11)	b1 (h11)	b	t	Match coupling model number	
		D	D1	D2	h	h1	n1-d1	D3	D4	D5	h2	h3	n2-d2											
TJQ1-B1(X3)	35	23 0	200	170	18	5	6 to 12	220	270	305	22	7	4-24	514	173	185	55	85	5	4	30	10	30	JQ35
TJQ2-B1(X3)	35	23 0	200	170	20	6	6-13.5	250	300	335	22	7	4-24	517	182	190	55	85	5	4	30	10	30	JQ35
TJQ2-B2(X4)	45	26 0	230	200	20	6	6-13.5	250	300	335	22	7	4-24	530	175	210	70	100	6	5	37	14	39.5	JQ45
TJQ3-B2(X4)	45	26 0	230	200	20	6	6-13.5	295	350	392	25	7	4-26	560	191	210	70	100	6	5	37	14	39.5	JQ45
TJQ3-B3(X5)	45	34 0	310	270	20	6	6-13.5	295	350	392	26	7	4-26	560	191	210	70	100	6	5	37	14	39.5	JQ45
TJQ4-B3(X5)	55	34 0	310	270	20	6	6-13.5	345	400	442	26	7	4-26	635	253	210	70	100	6	5	47	16	49	JQ55
TJQ5-B3(X5)	55	34 0	310	270	20	6	6-13.5	390	450	498	26	7	4-30	635	258	215	70	100	6	5	47	16	49	JQ55
TJQ6-B4(X6)	70	40 0	360	320 (316)	22	6	8-16	435	500	548	26	7	8-30	736	284	250	100	130	8	6	60	20	62.5	JQ70
TJQ7-B5(X8)	90	49 0	450	400	25	7	12-18	440	550	600	28	10	12 and 22	805	233	296	140	170	10	8	80	25	81	JQ90
TJQ8-B6(X9)	100	58 0	520	460 (455)	26	10	12 and 22	500	550	600	30	10	12 and 22	820	187	362	140	170	10	8	90	28	90	JQ100
TJQ9-B7(X10)	110	65 0	590	520	30	12	12 and 22	560	650	seven hundred.	40	10	12-27	1100	210	455	160	200	12	10	100	28	100	JQ110
TJQ10-B8(X11)	130	88 0	800	680	40	12	12-38	720	810	880	45	10	20-27	1200	297	550	180	225	14	12	118	32	119	JQ120

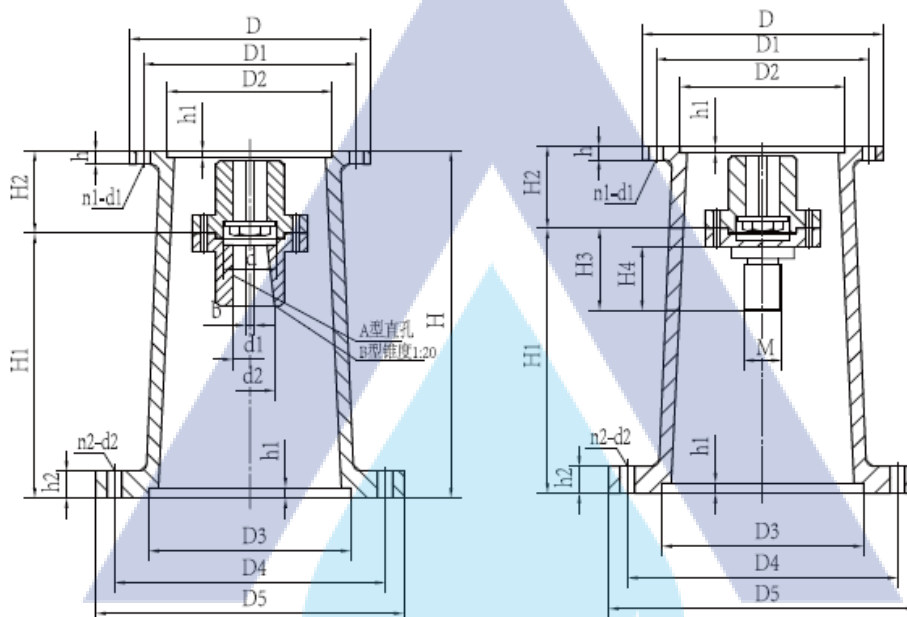
5.9 TJA (New standard) type rack



TJA (new standard) frame main parameters and dimensions

rack Model number	Reducer Model number	Input end interface						Output interface				H	H1	D5	D6	D7	D8	n3-□	n-M
		D	D1	D2	h1	f	n1-d1	D3	D4	h2	n2-d2								
TJA1	B1(X3)	230	200	170	16	5	6 to 12	270	235	17	4-12	215	115	115	60	110	140	4-12	1-10
TJA2	B2(X4)	260	230	200	20	6	6 to 12	310	270	20	4 to 18	240	135	115	85	120	160	4-13	1-12
TJA3	B3(X5)	340	310	270	22	6	6-14	370	320	22	4-20	290	162	160	100	150	180	4 to 18	1-12
TJA4	B4(X6)	400	360	320 (316)	22	7	8-16	455	400	24	6-20	315	185	160	110	165	200	4 to 18	1-16
TJA5	B5(X8)	490	450	400	25	7	12-18	545	495	26	8-22	332	230	240	150	190	230	6 to 18	1-20
TJA6	B6(X9)	580	520	460 (455)	25	10	12 and 22	600	550	35	12 and 22	400	210	245	140	200	240	6 to 18	1-20
TJA7	B7(X10)	650	590	520	25	11	12 and 22	680	620	35	12 and 22	450	240	270	150	250	290	6-27	1-20

5.10 JAI Large Flange Rack (69 marks) with JAII Glass-lined reaction tank Special rack (69 marks)



JAI type (69 standard) no fulcrum frame main parameters and dimensions

Rack Model number	Reducer Model number	Input end interface						Output interface						H1	H2	H3	H4	d	Type A straight hole		Type B cone hole 1:20	
		D	D1	D2	h	h1	n1-d1	D3	D4	D5	h2	n2-d2							d1	b	d2	b
JAI0	B0(X2)	190 (180)	160	140 (130)	16	5	4-12(6-M10)	165	210	250	16	6 to 12		205	55	55	18	45	30 (25)	8		
JAI1	B1(X3)	230	200	170	16	5	6 to 12	215	260	290	16	8 and 12		226	84	75	25	50	35	10	35	10
JAI2	B2(X4)	260	230	200	20	6	6 to 12	290	350	380	20	8 to 14		250	96	90	30	70	45	14	50	14
JAI3	B3(X5)	340	310	270	22	6	6-13.5	360	440	480	22	8 to 18		300	112	110	30	80	55	16	60	16
JAI4	B4(X6)	400	360	320 (316)	22	7	8-15	440	530	580	25	8-22		384	141	130	40	90	70 (65)	20	70	20
JAI5	B5(X8)	490	450	400	25	7	12-18	450	550	600	28	8-22		390	160	150	40	115	90	25	85	25

Note: This frame is equipped with rigid couplings, the upper coupling is JA type straight hole, the lower coupling is JA type straight hole or B type cone hole, taper is 1:20. The frame has no support and is used when the axial force from the reactor is not large.

JAII (69 standard) no fulcrum frame, with screw coupling main parameters and dimensions

Rack Model number	Reducer Model number	Input end interface						Output interface					H1	H2	H3	H4	M	Reaction tank volume (L)
		D	D1	D2	h	h1	n1-d1	D3	D4	D5	h2	n2-d2						
JAI1	B1(X3)	230	200	170	16	5	6 to 12	215	260	290	16	8 and 12	226	84	93	50	M33×2	50-100.
															120	60	M42×3	200
JAI2	B2(X4)	260	230	200	20	6	6 to 12	230	300	345	20	4 to 18	254	96	120	60	M42×3	200-300.
																	M48×3	500
JAI3	B3(X5)	340	310	270	22	6	6-13.5	320	400	460	22	4-20	328	112	120	80	M60×4	1000
																	M68×4	1500
																	M78×4	2000
JAI4	B4(X6)	400	360	320 (316)	22	7	8-15	440	530	580	25	8-22	384	141	130	80	M78×4	3000
JAI5	B5(X8)	490	450	400	25	7	12-18	450	550	600	28	8-22	390	160	130	80	M78×4	5000

Note: All JA4 can be equipped with XL7 reducer, please specify separately when ordering.