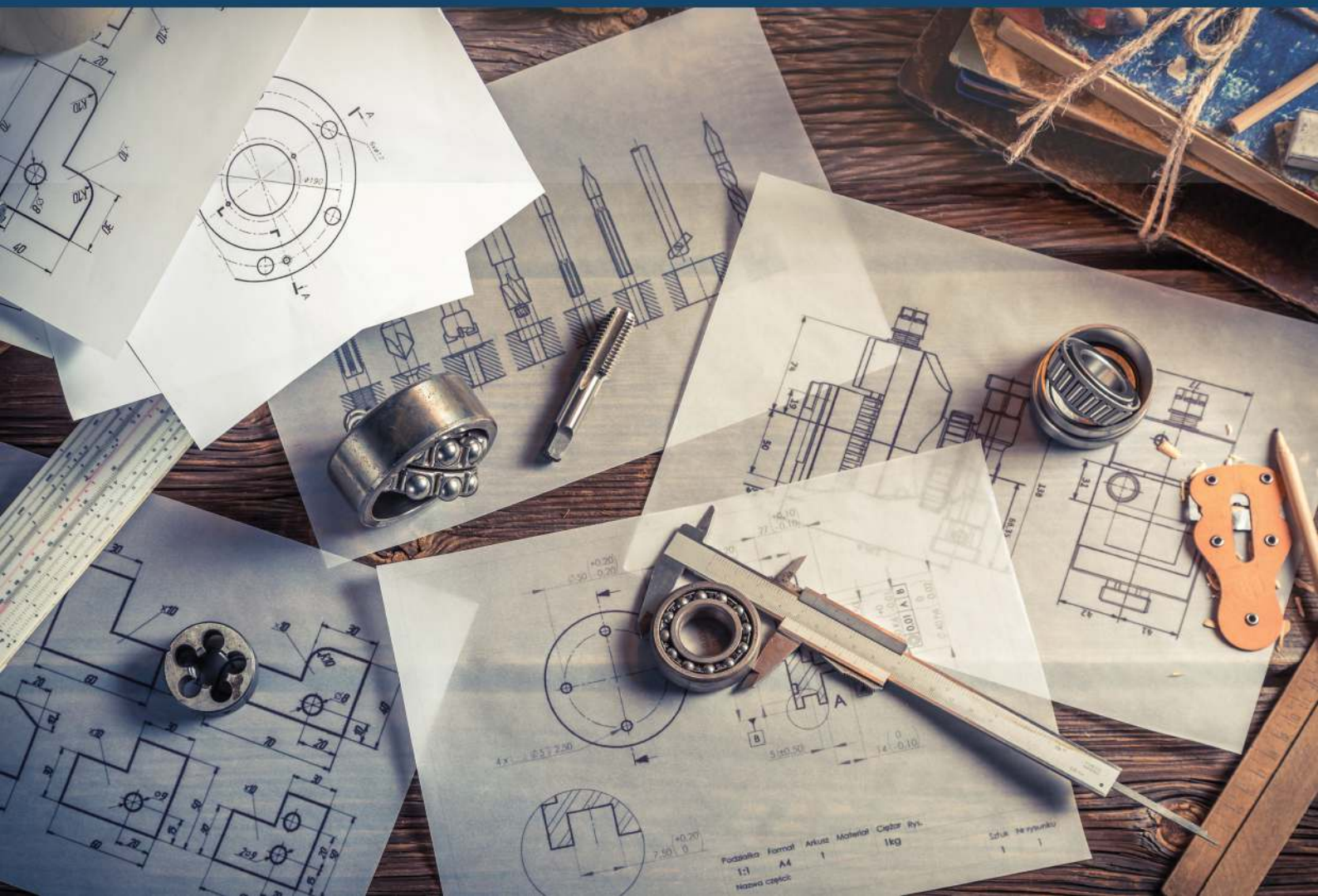
RIDUTTORI SUPERIOR® TRANSMISSION

SUPERIOR CYCLO DRIVE

www.superiortransmission.co.kr



Characteristic

Superior Cycloidal pinwheel reducer, adopting the principle of planetary drive with small teeth difference as well as engagement of cycloid pin gear, is a kind of novelty transmission machinery and drive reducer widely used in the fields of textile printing, light and food industry, metallurgy mine, petrochemical industry, lifting and transport, and engineering machinery and so on.

1. High ratio and high efficiency

The ratio could reach 1:87 in single stage transmission. The efficiency is higher than 90%. If use more stages, we could get bigger ratio.

2. Compact and Small Structure

Using the planetary transmission principle, inline design, compact structure and small size.

3. Easily Take Parts and Repair

Reasonable structure design, easily take part and repair.

4. Working Stable with Low Noise

Cycloidal pinwheel has more gears, large overlap coefficient and smooth mechanism of organic parts, make the shake and noise as small as possible.

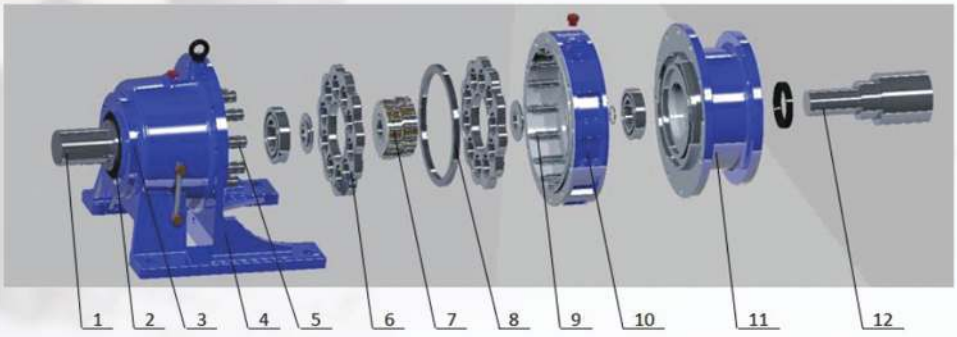
5. Reliable and Long Lifespan

The main transmission parts are made of bearing steel, good mechanical functions, smooth rolling friction, longer lifespan.

6. Strong Overloading Capacity, Impact Resistance, Small Inertia Moment

It adapts in Frequent start.

Inner Structure



1. Output Shaft
2. Ring
3. Small Cover
4. Base
5. Pin Roll
6. Cycloidal Wheel
7. Eccentric Bearing
8. Interval Ring
9. Wheel Pin, Wheel Roller
10. Wheel Housing
11. Motor Connector
12. Input Shaft

Reducer Ratio

One stage	7	9	11	13	15	17	19	23	29
	35	43	59	71	87				
Two Stages	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)	
Three stages	8041~658503								

Note: In principle, combination of all levels of transmission ration takes the first-stage (High Speed End) transmission ratio as the smaller one in the second-stage and third-stage reducer, the transmission ratio in the first-stage or second-stage (Low Speed End) as the bigger transmission ratio.

Service Factor

Service factor f_{Ah}							
Application	8h/day	16h/day	24h/day	Application	8h/day	16h/day	24h/day
Food industry				**Mills**			
Crushers	1.75	2	2.25	Ball,rod	1.75	1.75	1.75
Beet slicers,Kneaders	1.25	1.5	1.75	Hammer,desintegrator	1.5	1.75	2
Meat grinders	1.25	1.5	1.5	**Printing and Paper**			
Filling machines	0.8~1*	1	1.25	Cutters	1	1.25	1.5
Dough mixers	1	1.25	1.5	Reels	0.8~1*	1	1.25
Extruders	1.25	1.5	1.75	Bale feeders	1	1.25	1.25
Sugar cane knives	1.75	1.75	1.75	**Elevators**			
Sugar roller mills	1.75	1.75	1.75	Bucket elevators	1.25	1.5	1.75
Toasters	1.25	1.25	1.25	Freight elevators	1.25	1.5	1.75
Auxiliary drives,servicing				Escalators	1.25	1.25	1.5
inching,no load	0.8~1*			**Textile industry**			
Normal duty	1.25	1.25	1.25	Loopms	1.25	1.5	1.75
Compressors				Spinners	0.8~1*	1	1.25
Centrifugal	1	1.25	1.5	Washens	1	1.25	1.5
Lobe	1	1.25	1.5	**Conveyors**			
Filters	1	1.25	1.5	Bucket conveyors	1.5	1.75	1.75
Construction industry				Uniformly loaded orfed	0.8~1*	1	1.25
Cement mixers	1.25	1.5	1.75	Heavy duty,chain&screw	1.25	1.5	1.5
Cement mills	1.5	1.75	2	conveyors	1.5	1.75	2
Mortar spraying machine	0.8~1*	1	1.25	Shaker conveyors	1.5	1.75	1.75
Generators	0.8~1*	1	1.25	Hoists	1.25	1.5	1.5
Water treatment, environment tools				Belt conveyors	1.5	1.75	1.75
Aerators	1.75	2.0	2.0	Hauling winches	1.25	1.25	1.5
Common aerator	1.5	1.5	1.5	**Apron conveyors**			
Carrousel aerators	1.75	1.75	1.75	**Fans**			
Bar screens,collectors	0.8~1*	1	1.25	Centrifugal	0.8~1*	1	1.25
Screw pumps	1	1.25	1.5	**Industrial fans**	1	1.25	1.5
Screens				Cooling tower drivers	1.75	1.75	1.75
Rotary	1	1.25	1.5	Cooling tower fans	1.75	2.0	2.0
Traveling water intake	0.8~1*	1	1.25	**Packing machine**			
Agricultural machinery				Cadboard stacking machine	1.25	1.5	1.75
Manure scrapers	0.8~1*	1		Wrapping machine	0.8~1*	1	1.25
Harvesting machines	0.8~1*	1		**Machine tools**			
Cranes and hoists				Plate surfacer, plate	1.25	1.5	1.75
Travel gears	1.5	1.75	2.0	planers,bending rolls	1	1.25	1.5
Slewing gears	1.25	1.5	2.0	Main drives, feed drives	0.8~1*	1	1.25
Hoisting gears	1.25	1.5	1.75	Feed and auxiliary drive	1.75	2	2
Derricking jib cranes	1.25	1.5	1.75	Presses	1.5	1.75	2
Mixers				Folding machine	1.75	2	2
Constant density	1.25	1.5	1.5	Plate shears			
Variable density	1.5	1.75	1.75	**Iron and steel industry**			
Lumber and plastic industry				Wire draw benches	1.25	1.5	1.75
Main drive for saws	1.5	1.75	2	Winding machines	1.25	1.75	1.75
Feed drive for saws	1	1.25	1.5	Rolling mill:non reversing			
Chopping machines	1.5	1.75	2	—group drives	1.25	1.5	1.75
Veneer gluing machines	0.8~1*	1	1.25	—Individual drives	1.5	1.75	2
Driling machines	0.8~1*	1	1.25	**Pumps**			
Extruders	1.25	1.5	1.75	Centrifugal	1	1.25	1.5
Agitators				Rotary,gear type,lobe,	0.8~1*	1	1.25
Pure liquids(constant density)	1.25	1.5	1.5	vane			
Liquids with variable density	1.5	1.75	2.0	Piston pumps:singl cylider	1.5	1.75	2
Liquids and solids	1.5	1.75	2.0	multi-cylinder	1.25	1.5	1.75
				Screw pumps	1	1.25	1.5

Lubrication Way

One Stage Lubrication Way

Mounting \ Size	B09	B0	B1	B2	B3	B4	B5	B6	B7	B8	B9
Foot M1 mounted	Grease			Lubrication oil							
Flange M4 mounted						Continuous lubrication					

Two Stage Lubrication Way

Mounting \ Size	B10	B20	B31	B41	B42	B52	B53	B63	B74	B84	B85	B95
Foot M1 mounted	Grease			Oil lubrication								
Flange M4 mounted				Continuous lubrication								

Note: 1. X Series reducer lubrication way refers to B series.
2. Contact with our technical department for other mounting ways.

Bearing Capacity - Single Stage

Allowable power and torque of single transmission reducer (bearing coefficient K=1.00) Chart 5

Model No.	Allowable Input Power Allowable Output Torque	Transmission Ratio I										Scope of allowable power	
		9	10	17	23	29	35	43	59	71	87	Pmax	Pmin
Input speed n1		1500 (r/min)										NO. of motor poles 4P	
B09/x1	P(kW)	0.55	0.37	0.37	0.25	0.25	0.25	0.18				0.55	0.18
	T(N.m)	0.30	26	38	37	43	52	50					
B0/x2	P(kW)	1.1	1.1	0.75	0.75	0.55	0.55	0.37	0.25			1.1	0.18
	T(N.m)	58	70	74	101	93	112	93	86				
B1/x3	P(kW)	2.2	2.2	2.2	1.5	1.1	1.1	0.75	0.55	0.55		2.2	0.25
	T(N.m)	117	143	220	203	188	227	190	191	230			
B2/x4	P(kW)	4	4	4	3	2.2	2.2	1.5	1.1	0.75	0.75	4	0.55
	T(N.m)	210	260	400	400	373	307	377	380	315	380		
B3/x5	P(kW)	11	7.5	7.5	5.5	5.5	4	4	2.2	2.2	1.5	11	0.55
	T(N.m)	580	485	750	745	935	820	1010	765	915	765		
B4/x6/x7	P(kW)	11	11	11	11	7.5	7.5	5.5	4	4	3	11	2.2
	T(N.m)	580	713	1100	1485	1280	1540	1390	1390	1670	1530		
B5/x8	P(kW)		18.5	18.5	18.5	15	15	11	7.5	7.5	5.5	18.5	2.2
	T(N.m)		1191	1842	2492	2547	3075	2770	2591	3119	2802		
B6/x9	P(kW)								15	11	11	15	5.5
	T(N.m)								5183	4574	5605		
B7/10	P(kW)										15	15	11
	T(N.m)										7643		
Output speed n2 (r/min)		167	136	88	65	52	43	35	25	21	27	Input speed in the opposite direction	
Input speed n1		1000 (r/min)										NO. of motor poles 6P	
B09/x1	P(kW)	0.37	0.25	0.25	0.18	0.18	0.18	0.12				0.37	0.12
	T(N.m)	30	25	37	37	45	55	45					
B0/x2	P(kW)	0.75	0.75	0.55	0.55	0.37	0.37	0.25	0.18			0.75	0.12
	T(N.m)	59	75	80	110	94	112	93	93				
B1/x3	P(kW)	1.5	1.5	1.5	1.1	1.1	0.75	0.55	0.37	0.37		1.5	0.18
	T(N.m)	118	145	224	220	275	230	205	190	225			
B2/x4	P(kW)	3	3	3	2.2	1.5	1.1	1.1	0.75	0.55	0.55	3	0.37
	T(N.m)	235	290	448	445	385	340	415	388	343	420		
B3/x5	P(kW)	7.5	5.5	5.5	4	4	3	3	1.5	1.5	1.1	7.5	0.37
	T(N.m)	593	531	820	810	1020	925	1135	775	935	840		
B4/x6/x7	P(kW)	7.5	7.5	7.5	7.5	5.5	5.5	4	3	3	2.2	7.5	1.5
	T(N.m)	593	735	1125	1520	1405	1700	1515	1560	1870	1680		
B5/x8	P(kW)		11	11	11	11	11	7.5	5.5	5.5	4	11	1.5
	T(N.m)		1063	1642	2222	2802	3382	2833	2851	3430	3057		
B6/x9	P(kW)		22	22	22	18.5	18.5	15	11	7.5	7.5	22	3
	T(N.m)		2126	3285	4445	4713	5688	5666	5702	4678	5732		
B7/10	P(kW)		37	37	37	37	30	22	18.5	18.5	15	37	11
	T(N.m)		3576	5526	7476	9427	9225	8311	9589	11540	11465		
B8x11	P(kW)		55	55	55	55	45	37	30	22	22	55	18.5
	T(N.m)		5315	8214	11114	14013	13838	13978	15551	13723	16816		
B9/x12	P(kW)				75	75	55	55	45	37	30	75	30
	T(N.m)				15155	19109	16913	20778	23326	23080	22931		
Output speed n2 (r/min)		111	91	59	43	34	29	23	17	14	11	NO. Of Motor Poles 6P	

Note: 1. In the formula of T:9550*P*i [Ø*n1(N.m)P:T*n1 / (9550*i*|Ø) (kW, first-stage tranmission efficient | Ø is defined as 0.925.
2. When motor direct-coupled reducer is selected for use, the actual allocated motor power should conform to the scope of allowable power. If the allocated motor power is more than allowable motor power, the reducer is only allowed to use in line with regulated al allowable torque.

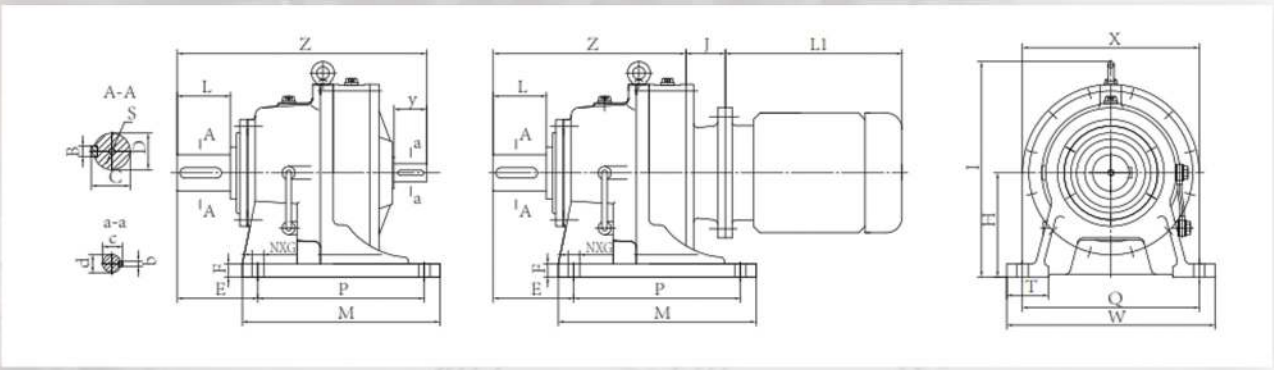
Bearing Capacity - Double Stage

Model No.	Allowable Input Power Allowable Output Torque	Transmission Ratio I										Scope of allowable power	
		99	121	187	289	391	493	595	731	841	1003		
		11x9	11x11	17x11	17x17	23x17	29x17	35x17	43x17	29x29	59x17	Pmax	Pmin
Input speed n1		1500 (r/min)										NO. of motor poles 4P	
B10/x32	P(kW)	0.3	0.27	0.18	0.12	0.08	0.07	0.06				0.37	0.18
	T(N.m)	175	175	175	175	175	175	175					
B20/x42	P(kW)	1.12	0.92	0.59	0.38	0.28	0.22	0.19	0.05	0.04	0.03	1.1	0.18
	T(N.m)	600	600	600	600	600	600	600	175	175	175		
B31/x53	P(kW)	2.2	1.91	1.24	1.08	0.59	0.47	0.39	0.15	0.13	0.11	2.2	0.25
	T(N.m)	1250	1250	1250	1250	1250	1250	1250	600	600	600		
B41/x63	P(kW)	2.2	2.2	2.2	1.6	1.18	0.94	0.78	0.32	0.27	0.23	2.2	0.25
	T(N.m)	1179	1441	2226	2500	2500	2500	2500	1250	1250	1250		
B42/x64	P(kW)	4	3.82	2.47	1.6	1.18	0.94	0.78	0.63	0.55	0.46	4	0.55
	T(N.m)	2143	2500	2500	2500	2500	2500	2500	2500	2500	2500		
B52/x84	P(kW)	4.1	4	4	3.2	2.36	1.87	1.55	1.26	0.55	0.92	4	0.55
	T(N.m)	2143	2619	4048	5000	5000	5000	5000	5000	2500	5000		
B53/x85	P(kW)	9.3	7.5	4.94	3.2	2.36	1.87	1.55	1.26	1.1	0.92	7.5	0.55
	T(N.m)	5000	4916	5000	5000	5000	5000	5000	5000	5000	5000		
B63/x95	P(kW)	11		7.5	5.64	4.19	3.32	2.75	2.24	1.1	1.62	7.5	0.55
	T(N.m)	5893		7590	8820	8820	8820	8820	8820	5000	8820		
B74/106	P(kW)			11	7.67	5.67	4.5	3.73	3.03	1.95	2.21	11	2.2
	T(N.m)			11132	12000	12000	12000	12000	12000	8820	12000		
B84/x117	P(kW)			11	10.27	7.59	6	5	4	2.64	3	11	2.2
	T(N.m)			11132	16000	16000	16000	16000	16000	12000	16000		
B85/x118	P(kW)			15	13.8	10.2	8.1	6.7	5.47	3.53	3.9	15	2.2
	T(N.m)			16430	21560	21560	21560	21560	21560	16000	21560		
B95/128	P(kW)					13.9	11	9.15	7.46	6.48	5.43	15	2.2
	T(N.m)					29400	29400	29400	29400	29400	29400		

Model No.	Allowable Input Power Allowable Output Torque	Transmission Ratio I									Scope of allowable power	
		1225	1505	1849	2065	2537	3481	4189	5133	7569		
		35x35	43x35	43x43	59x35	59x43	59x59	71x59	87x59	87x87	Pmax	Pmin
Input speed n1		1500 (r/min)									NO. of motor poles 6P	
B10/x32	P(kW)	0.02	0.02	0.01	0.01	0.01	0.01	0.01			0.18	0.18
	T(N.m)	150	150	150	150	150	150	150				
B20/x42	P(kW)	0.09	0.07	0.06	0.05	0.04	0.03	0.03	0.02		0.18	0.18
	T(N.m)	600	600	600	600	600	600	600	600			
B31/x53	P(kW)	0.19	0.15	0.12	0.11	0.09	0.07	0.06	0.04		0.55	0.55
	T(N.m)	1250	1250	1250	1250	1250	1250	1250	1250			
B41/x63	P(kW)	0.38	0.31	0.25	0.22	0.18	0.13	0.11	0.09		0.55	0.55
	T(N.m)	2500	2500	2500	2500	2500	2500	2500	2500			
B52/x84	P(kW)	0.75	0.61	0.5	0.45	0.36	0.27	0.22	0.18	0.12	1.1	0.55
	T(N.m)	5000	5000	5000	5000	5000	5000	5000	5000	5000		
B63/x95	P(kW)	1.33	1.08	0.88	0.79	0.64	0.47	0.39	0.31	0.21	1.1	1.1
	T(N.m)	8820	8820	8820	8820	8820	8820	8820	8820	8820		
B74/x106	P(kW)	1.81	1.47	1.2	1.07	0.87	0.64	0.53	0.43	0.29	2.2	2.2
	T(N.m)	12000	12000	12000	12000	12000	12000	12000	12000	12000		
B84/x117	P(kW)	2.42	1.97	1.6	1.43	1.17	0.85	0.7	0.57	0.39	3	2.2
	T(N.m)	16000	16000	16000	16000	16000	16000	16000	16000	16000		
B85/118	P(kW)	3.26	2.67	2.16	1.95	1.58	1.15	0.96	0.77	0.53	4	4
	T(N.m)	21560	21560	21560	21560	21560	21560	21560	21560	21560		
B95/x128	P(kW)	4.45	3.62	2.95	2.64	2.15	1.56	1.3	1.06	0.71	5.5	4
	T(N.m)	29400	29400	29400	29400	29400	29400	29400	29400	29400		
Output speed n2 (r/min)		1.22	1	0.81	0.73	0.59	0.43	0.36	0.29	0.2	Input Speed in the Opposite Direction	

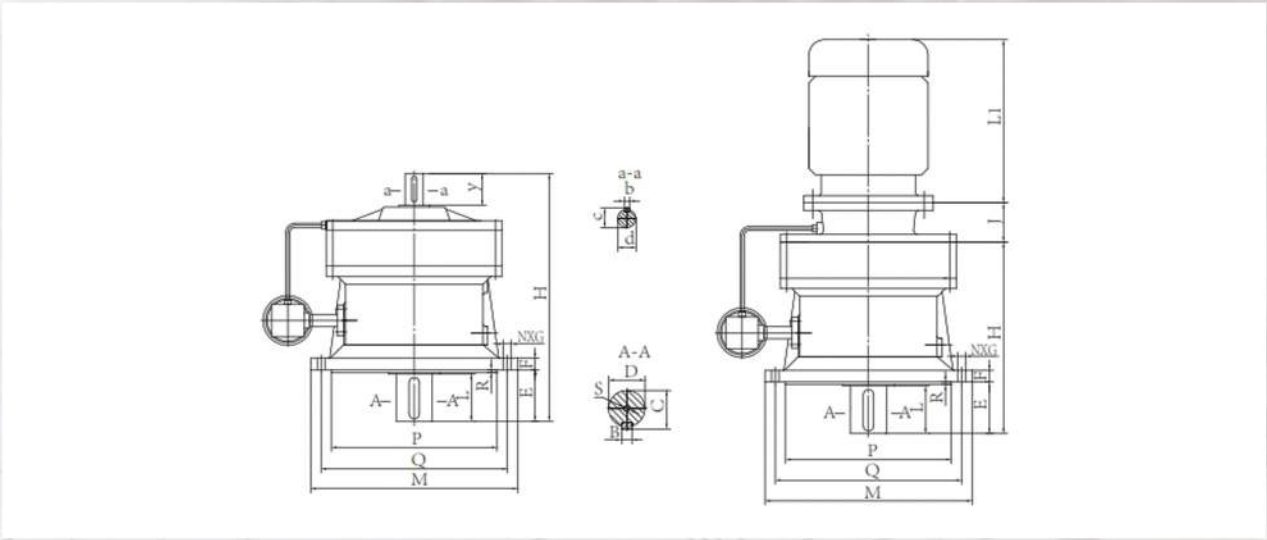
Note: 1. In the formula of T:9550*P*i [Ø*n1(N.m)P:T*n1 / (9550*i*|Ø) (kW, first-stage tranmission efficient | Ø is defined as 0.925.
2. When motor direct-coupled reducer is selected for use, the actual allocated motor power should conform to the scope of allowable power. If the allocated motor power is more than allowable motor power, the reducer is only allowed to use in line with regulated allowable torque.
3. Allowable radial force of output shaft refers to first-stage transmission.

BWD, XWD Type Size Drawing



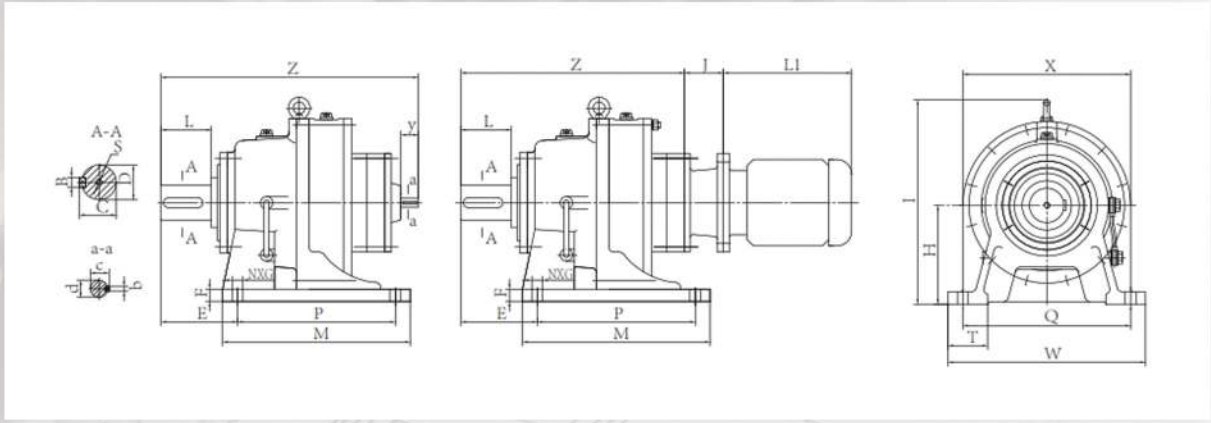
size	Center Height H	Size of Shaft End								Installation Dimensions								Contour Dimensions						weight (kg)	
		output shaft				input shaft				E	F	P	Q	S	T	N	G	M	W	Z		I	X	BW	BWD
		D (h6)	B	C	L	d (h6)	b	C	y											BW	BWD				
BW.BWD09-9																									
B09	80	22	6	24.5	30	15	5	17	22	46	12	76	120	M5	35	4	11	100	144	192	142	155	140	8.5	BW
B0	100	30	8	33	35	15	5	17	22	94	15	90	150	M8	35	4	11	120	185	214	165	190	168	15	
B1	120	35	10	38	56	18	6	20.5	35	125	15	110	240	M10	55	4	13	160	280	263	194	250	200	22	
B2	140	45	14	48.5	71	22	6	24.5	40	144	20	150	280	M10	60	4	13	200	320	320	264	296	240	40	
B3	160	55	16	59	80	30	8	33	55	156	25	200	340	M12	75	4	17	250	390	390	294	355	300	73	
B4	200	70	20	74.5	104	35	10	38	62	157	25	320	340	M12	80	4	22	380	400	479	370	430	340	120	
B5	240	90	25	95	122	45	14	48.5	70	160	32	380	420	M16	80	4	22	440	470	564	438	513	400	185	
B6	280	100	28	106	139	50	14	53.5	80	199	35	440	500	M20	90	4	26	520	560	668	528	605	500	380	
B7	325	110	28	116	150	55	16	59	90	230	40	250×2	630	M24	105	6	30	600	690	775	578	706	575	580	
B8	420	130	32	137	202	70	20	74.5	120	329	50	330×2	800	M30	160	6	32	810	880	1061	814	880	700	1200	
B9	540	180	45	190	330	90	25	95	150	485	60	420×2	1050	M42	200	6	45	1040	1160	1462	1151	1160	1000	2500	
XW.XWD1-12																									
X1	100	25	8	28	35	15	5	17	22	61	12	90	150	M5	35	4	12	120	180	197	147	175	140	8.5	XW
X2	100	25	8	28	33	15	5	17	22	101	15	90	180	M8	45	4	12	120	210	216	164	190	168	15	
X3	140	35	10	38	56	18	6	20.5	35	151	20	100	250	M10	55	4	16	150	290	263	194	270	200	30	
X4	150	45	14	48.5	73	22	6	24.5	40	168	22	145	290	M10	65	4	16	195	330	320	246	316	240	43	
X5	160	55	16	59	91	30	8	33	55	204	25	150	370	M12	75	4	16	260	410	401	305	356	300	85	
X6	200	65	18	69	89	35	10	38	62	125	30	275	380	M12	75	4	22	335	430	466	359	425	340	125	
X7	220	80	22	85	107	40	12	43	65	143	30	320	420	M12	95	4	22	380	470	484	377	484	340	190	
X8	250	90	25	95	122	45	14	48.5	70	157	35	380	480	M16	120	4	22	440	530	564	438	514	400	240	
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	390	
X10	325	110	28	116	150	55	16	59	90	230	40	250×2	630	M24	105	6	30	600	690	775	578	706	575	580	
X11	420	130	32	137	202	70	20	74.5	120	329	50	330×2	800	M30	160	6	32	810	880	1061	814	880	700	1200	
X12	540	180	45	190	330	90	25	95	150	485	60	420×2	1050	M42	200	6	45	1040	1160	1462	1151	1160	1000	2500	

BLD, XLD Type Size Drawing



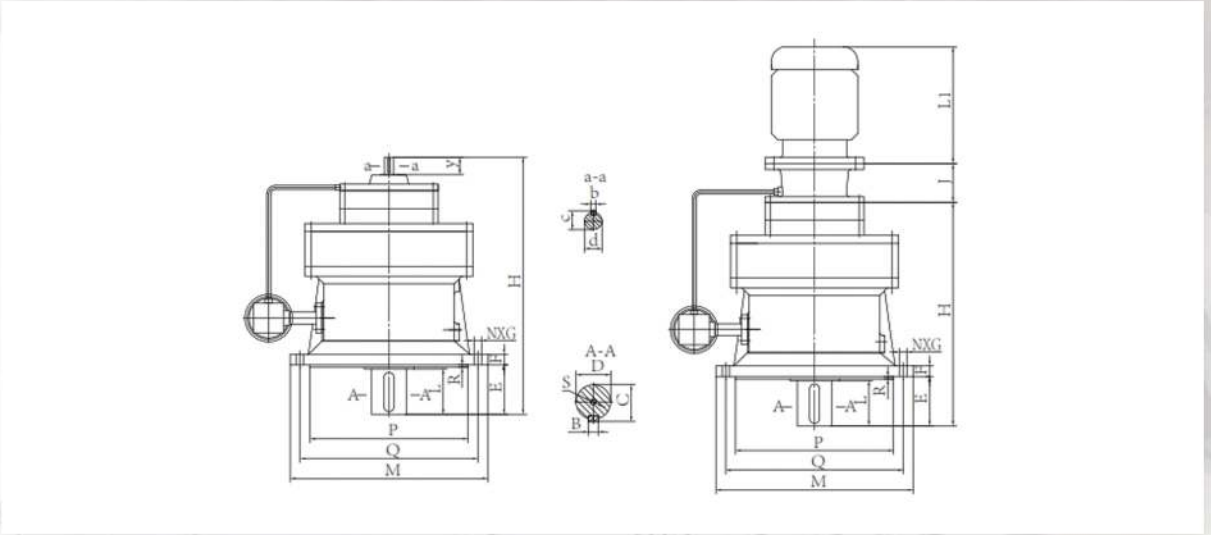
size	Size of Shaft End								Installation Dimensions								Contour Dimensions			weight(kg)	
	output shaft				input shaft				E	F	G	N	P (h9)	Q	R	S	H		M	BL	BLD
	D (h6)	B	C	L	d (h6)	b	C	y									BL	BLD			
BL.BLD09-9																					
B09	22	6	24.5	30	15	5	17	22	35	10	11	4	110	134	3	M5	192	142	160	8	BL
B0	30	8	33	35	15	5	17	22	39	10	11	4	140	160	3	M8	214	165	190	15	
B1	35	10	38	47	18	6	20.5	35	61	12	11	6	170	200	4	M10	263	194	230	22	
B2	45	14	48.5	61	22	6	24.5	40	70	15	11	6	200	230	4	M10	320	246	260	43	
B3	55	16	59	74	30	8	33	55	80	20	13	6	270	310	5	M12	390	294	340	79	
B4	70	20	74.5	92	35	10	38	62	100	22	15	8	320	360	5	M12	477	370	400	127	
B5	90	25	95	110	45	14	48.5	70	118	30	18	12	400	450	5	M16	564	438	490	200	
B6	100	28	106	130	50	14	53.5	80	138	35	22	12	460	520	8	M20	668	528	580	400	
B7	110	28	116	142	55	16	59	90	182	40	22	12	520	590	10	M24	775	578	650	620	
B8	130	32	137	202	70	20	74.5	120	211	50	38	12	680	800	10	M30	1061	814	880	1220	
B9	180	45	190	320	90	25	95	150	370	60	39	8	900	1020	10	M42	1462	1151	1160	2500	
XW.XWD1-12																					
X1	25	8	28	36	15	5	17	22	41	9	12	4	110	134	3	M5	197	147	160	8.5	XL
X2	25	8	28	33	15	5	17	22	39	12	12	6	130	160	3	M8	216	164	180	15	
X3	35	10	38	47	18	6	20.5	35	51	15	12	6	170	200	4	M10	263	194	230	22	
X4	45	14	48.5	63	22	6	24.5	40	79	15	12	6	200	230	4	M10	324	250	260	43	
X5	55	16	59	85	30	8	33	55	90	20	13	6	270	310	4	M12	401	305	340	88	
X6	65	18	69	80	35	10	38	62	90	22	16	8	316	360	5	M12	466	359	400	130	
X7	80	22	85	97	40	12	43	65	114	22	18	8	345	390	5	M12	484	377	430	145	
X8	90	25	95	110	45	14	48.5	70	118	30	18	12	400	450	6	M16	564	438	490	195	
X9	100	28	106	134	50	14	53.5	80	170	35	22	12	455	520	8	M20	691	551	580	395	
X10	110	28	116	142	55	16	59	90	182	40	22	12	520	590	10	M24	775	578	650	620	
X11	130	32	137	202	70	20	74.5	120	211	50	38	12	680	800	10	M30	1061	814	880	1220	
X12	180	45	190	320	90	25	95	150	370	60	39	8	900	1020	10	M42	1462	1151	1160	2500	

BWED, XWEL Type Size Drawing



size	Center Height H	Size of Shaft End								Installation Dimensions								Contour Dimensions						weight (kg)	
		output shaft				input shaft				E	F	P	Q	S	T	N	G	M	W	Z		I	X	BWE	BWED
		D (h6)	B	C	L	d (h6)	b	C	y											BWE	BWED				
BWE.BWED10-95号																									
B10	120	35	10	38	56	15	5	17	22	125	15	110	240	M10	55	4	13	160	280	317	267	250	200	43	
B20	140	45	14	48.5	71	15	5	17	22	144	20	150	280	M10	60	4	13	200	320	364	315	306	240	50	
B31	160	55	16	59	80	18	6	20.5	35	156	25	200	340	M12	75	4	17	250	390	446	376	356	300	90	
B41	200	70	20	74.5	104	18	6	20.5	35	157	25	320	340	M12	80	4	22	380	400	523	454	425	340	140	
B42	200	70	20	74.5	104	22	6	24.5	40	157	25	320	340	M12	80	4	22	380	400	554	479	425	340	155	
B52	240	90	25	95	122	22	6	24.5	40	160	32	380	420	M16	80	4	22	440	470	623	548	504	400	240	
B53	240	90	25	95	122	30	8	33	55	160	32	380	420	M16	80	4	22	440	470	657	561	504	400	260	BWE
B63	280	100	28	106	139	30	8	33	55	199	35	440	500	M20	90	4	26	520	560	741	645	605	500	460	
B64	280	100	28	106	139	35	10	38	62	199	35	440	500	M20	90	4	26	520	560	780	671	605	500	485	
B74	325	110	28	116	150	35	10	38	62	230	40	250X2	630	M24	105	6	30	600	690	832	725	706	575	680	
B84	420	130	32	137	202	35	10	38	62	329	50	330X2	800	M30	160	6	32	810	880	1071	962	880	700	1320	
B85	420	130	32	137	202	45	14	48.5	70	329	50	330X2	800	M30	160	6	32	810	880	1095	970	880	700	1350	
B95	540	180	45	190	330	45	14	48.5	70	485	60	420X2	1050	M42	200	6	45	1040	1160	1502	1350	1160	1000	2750	
XWE.XWED42-128号																									
X32	140	35	10	38	56	15	5	17	22	151	20	100	250	M10	55	4	16	150	290	314	364	270	200	40	
X42	150	45	14	48.5	73	15	5	17	22	168	22	145	290	M10	65	4	16	195	330	370	315	316	240	50	
X53	160	55	16	59	91	18	6	20.5	35	204	25	150	370	M12	75	4	16	260	410	457	387	356	300	110	
X63	200	65	18	69	89	18	6	20.5	35	125	30	275	380	M12	75	4	22	335	430	510	441	425	340	150	
X64	200	65	18	69	89	22	6	24.5	40	125	30	275	380	M12	75	4	22	335	430	541	466	425	340	160	
X74	220	80	22	85	107	22	6	24.5	40	143	30	320	420	M12	95	4	22	380	470	561	486	484	340	230	
X84	250	90	25	95	122	22	6	24.5	40	157	35	380	480	M16	120	4	22	440	530	623	548	514	400	260	XWE
X85	250	90	25	95	122	30	8	33	55	157	35	380	480	M16	120	4	22	440	530	682	586	514	400	290	
X95	290	100	28	106	141	30	8	33	55	186	40	480	560	M20	120	4	26	560	620	762	667	614	500	470	
X96	290	100	28	106	141	35	10	38	62	186	40	480	560	M20	120	4	26	560	620	802	695	614	500	490	
X106	325	110	28	116	150	35	10	38	62	230	40	250X2	630	M24	105	6	30	600	690	832	725	706	575	680	
X117	420	130	32	137	202	40	12	43	65	329	50	330X2	800	M30	160	6	32	810	880	1071	962	880	700	1320	
X118	420	130	32	137	202	45	14	48.5	70	329	50	330X2	800	M30	160	6	32	810	880	1095	970	880	700	1350	
X128	540	180	45	190	330	45	14	48.5	70	485	60	420X2	1050	M42	200	6	45	1040	1160	1445	1320	1160	1000	2750	

BLED, XLED Type Size Drawing



size	Size of Shaft End								Installation Dimensions								Contour Dimensions			weight(kg)	
	output shaft				input shaft				E	F	G	N	P (h9)	Q	R	S	H		M	BLE	BLED
	D (h6)	B	C	L	d (h6)	b	C	y									BLE	BLED			
BLE.BLED10-95号																					
B10	35	10	38	47	15	5	17	22	61	12	11	6	170	200	4	M10	317	267	230	38	BLE
B20	45	14	48.5	61	15	5	17	22	70	15	11	6	200	230	4	M10	368	318	260	50	
B31	55	16	59	74	18	6	20.5	35	80	20	13	6	270	310	5	M12	446	376	340	95	
B41	70	20	74.5	92	18	6	20.5	35	100	22	15	8	320	360	5	M12	521	454	400	145	
B42	70	20	74.5	92	22	6	24.5	40	100	22	15	8	320	360	5	M12	554	479	400	160	
B52	90	25	95	110	22	6	24.5	40	118	30	18	12	400	450	5	M16	623	548	490	240	
B53	90	25	95	110	30	8	33	55	118	30	18	12	400	450	5	M16	657	561	490	260	
B63	100	28	106	130	30	8	33	55	138	35	22	12	460	520	8	M20	741	645	580	460	
B64	100	28	106	130	35	10	38	62	138	35	22	12	460	520	8	M20	780	671	580	485	
B74	110	28	116	142	35	10	38	62	182	40	22	12	520	590	10	M24	832	725	650	690	
B84	130	32	137	202	35	10	38	62	211	50	38	12	680	800	10	M30	1071	962	880	1340	
B85	130	32	137	202	45	14	48.5	70	211	50	38	12	680	800	10	M30	1095	970	880	1370	
B95	180	45	190	320	45	14	48.5	70	370	60	39	8	900	1020	10	M42	1502	1350	1160	2750	
XLE.XLED32-128号																					
X32	35	10	38	47	15	5	17	22	51	15	12	6	170	200	4	M10	314	264	230	38	XLE
X42	45	14	48.5	63	15	5	17	22	79	20	12	6	200	230	4	M10	370	320	260	50	
X53	55	16	59	85	18	6	20.5	35	90	22	13	6	270	310	4	M12	457	389	340	110	
X63	65	18	69	80	18	6	20.5	35	90	22	16	8	316	360	5	M12	510	441	400	155	
X64	65	18	69	80	22	6	24.5	40	90	22	16	8	316	360	5	M12	541	466	400	170	
X74	80	22	85	97	22	6	24.5	40	114	22	18	8	345	390	5	M12	561	486	430	230	
X84	90	25	95	110	22	6	24.5	40	118	30	18	12	400	450	6	M16	623	548	490	260	
X85	90	25	95	110	30	8	33	55	118	30	18	12	400	450	6	M16	658	588	490	280	
X95	100	28	106	134	30	8	33	55	170	35	22	12	455	520	8	M20	762	667	580	480	
X96	100	28	106	134	35	10	38	62	170	35	22	12	455	520	8	M20	803	694	580	500	
X106	110	28	116	142	35	10	38	62	182	40	22	12	520	590	10	M24	832	725	650	690	
X117	130	32	137	202	40	12	43	65	211	50	38	12	680	800	10	M30	1108	983	880	1340	
X118	130	32	137	202	45	14	48.5	70	211	50	38	12	680	800	10	M30	1095	970	880	1370	
X128	180	45	190	320	45	14	48.5	70	370	60	39	8	900	1020	10	M42	1445	1320	1160	2750	

Chart Of First-Stage Transmission Oil Seal

Model No.	Output End			Input End		
	Specification	Quantity		Double-shaft	Motor Connecting	Motor Direct-coupled
		Horizontal Type	Vertical Type	Specification		
B09	30x52x10	1	1	20x35x10	30x60x10 (0.18Kw) 35x60x12	15x35x10
B0	45x65x12	1	1	20x35x10	35x60x12 40x65x12 (1.1kW)	15x35x10
B1	50x72x12	1	2	35x62x12	45x62x12	30x50x10
B2	65x90x12	1	2	40x65x12	50x72x12	40x65x12
B3	80x105x12	1	2	50x72x12	55x80x12 65x90x12 (11kW)	40x65x12
B4	100x130x12	1	2	60x85x12	65x90x12	55x80x12
B5	115x140x14	1	2	80x105x12	80x105x12	70x95x12
B6	130x160x15	1	2	100x130x12	80x105x12	No-Click Direct-Coupled Type
B7	150x180x16	2	2	90x120x12	Please Contact	
B8	170x200x18	2	2	130x160x15	130x160x15	
B9	220x260x18	2	2	160x190x16	140x170x15	

Chart Of Second-Stage Transmission Oil Seal

Model No.	Output End			Input End		
	Specification	Quantity		Double-shaft	Motor Connecting	Motor Direct-coupled
		Horizontal Type	Vertical Type	Specification		
B10	50x72x12	1	2	35x62x12	35x60x12	15x35x10
B20	65x90x12	1	2	20x35x10	35x60x12 45x62x12 (11kW)	15x35x10
B31	80x105x12	1	2	35x62x12	45x62x12	30x50x10
B41	100x130x12	1	2	35x62x12	45x62x12	30x50x10
B42	100x130x12	1	2	40x65x12	50x72x12	40x65x12
B52	115x140x14	1	2	40x65x12	50x72x12	40x65x12
B53	115x140x14	1	2	50x72x12	55x80x12 65x90x12 (11kW)	40x65x12
B63	130x160x15	1	2	50x72x12	55x80x12 65x90x12 (11kW)	40x65x12
B74	150x180x16	2	2	60x85x12	65x90x12	55x80x12
B84	170x200x18	2	2	60x85x12	65x90x12	55x80x12
B85	170x200x18	2	2	80x105x12	80x105x12	70x95x12
B95	220x260x18	2	2	80x105x12	80x105x12	70x95x12

Chart Of First-Stage Drive Bearing

Model No.	Output End		Input End					Eccentric Bearing (x2)
			Double-shaft		Motor Connecting		Motor Direct-coupled	
	Bearing a	Bearing b	Bearing c	Bearing d		Bearing e		
B09	6205	6108	6201	6302	Bearing c	6205	Bearing c	502205
B0	6207	6207	6201	6302		6205		502205
B1	6208N	6208	6302	6304		6207		502206
B2	6211N	6213	6403	6404		6209		502307
B3	6213N	6215	6405	6406		6210		502309
						6212		
B4	6217N	6218	6406	6407		6212		502312
B5	6220N	6221	6407	6410		6215		502219
B6	23122	6224	6409	6413		6215	No-Click Direct-Coupled Type	502222
B7	23124	6226	NJ410	6415		Please Contact		502228
B8	23128	6232	NJ414	6420		6322		502328
B9	23136	6340	NJ417	6426		6324		502336

Chart Of Second-Stage Drive Bearing

Model No.	Output End		Input End					Mishap Shaft Bearing		Ecentric Bearing (X2)	
			Double-shaft		Motor Connecting		Motor Direct Coupled				
	Bearing a	Bearing b	Bearing c	Bearing d		Bearing e		Bearing f	Bearing g	Low Speed End	High Speed End
B10	6208N	6208	6201	6302	Bearing c	6205	Bearing c	6302	6207	502206	502205
B20	6211N	6213	6201	6302		6205		6403	6207	202307	502205
B31	6213N	6215	6302	6304		6207		6405	6208	502309	502206
B41	6217N	6218	6302	6304		6207		6406	6208	502312	502206
B42	6217N	6218	6403	6404		6209		6406	6212	502312	502307
B52	6220N	6221	6403	6404		6209		6407	6213	502219	502307
B53	6220N	6221	6405	6406		6210		6407	6215	502219	502309
B63	23122	6224	6405	6406		6210		6409	6215	502222	502309
B74	23124	6226	6406	6407		6212		NJ410	6218	502228	502312
B84	23128	6232	6406	6407		6212		NJ414	6218	502328	502312
B85	23128	6232	6407	6410		6215		NJ414	6218	502328	502219
B95	23136	6340	6407	6410		6215		NJ417	6222	502336	502219

Note: 1 is selected without special indication.

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