

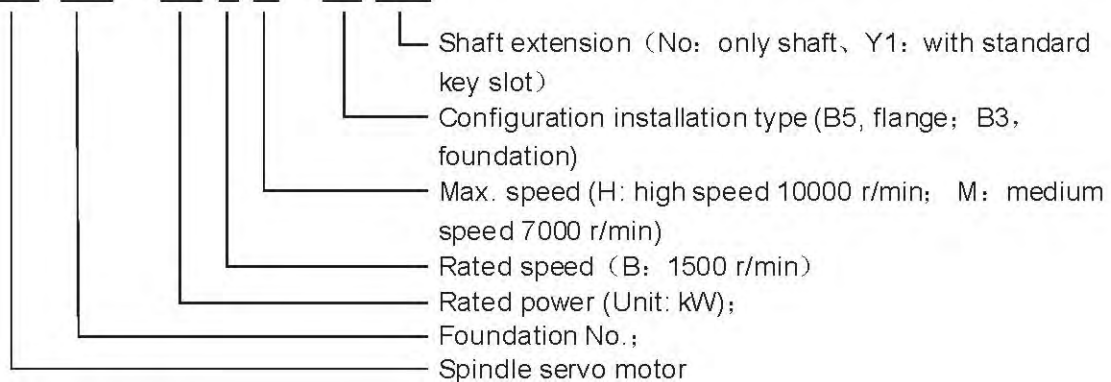
ZJY SERIES AC SPINDLE SERVO MOTOR

Motor Model Significance



Example: ZJY265-7.5BM-B3Y1

ZJY 265 - 7.5 B M - B3 [Y1]



Product Feature



- Adopts closed-end air-cooled structure, graceful outline and compact structure
- Adopts optimized electromagnetic design, low noise, stable operation, high efficiency
- Adopts imported high precision bearing and rotor, high precision balanced technique, ensure the stability with in the max. rotate speed, without big vibration and loud noise
- Adopts corona-resistance enameled wire, F-level insulation, IP54 protection, ensure the stability of motor, running under the circumstance of -15°C~40°C, or with dust and oil mist
- Adopts high speed and high precision encoder, can be used with high efficiency drivers to realize speed and position control in high precision
- Strong overload capacity, running stably with 150% rated power, 30mins; 300% rated power, 5mins
- Wide speed regulatory range, the highest speed is up to 10000r/min
- Good impact resistance, long service life, high cost-performance

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Specification Items	ZJY182- 1.5BH	ZJY182- 2.2BH	ZJY182- 3.7BH	ZJY208- 2.2AM	ZJY208- 3.7AM	ZJY208- 5.5AM	
Rated power (kW)	1.5	2.2	3.7	2.2	3.7	5.5	
Driver voltage (V)	3-phase AC 380V 50/60Hz			3-phase AC 380V 50/60Hz			
Rated current (A)	7.3	7.5	15.5	6.7	10.2	16.3	
Rated frequency (Hz)	50	50	50	33.3	33.3	33.3	
Rated torque (N·m)	9.5	14	24	21	35	53	
30min power (kW)	2.2	3.7	5.5	3.7	5.5	7.5	
30min current (A)	9.3	11	19.6	10.6	14.2	20.5	
30min torque(N·m)	14	24	35	37	53	72	
Rated speed (r/min)	1500	1500	1500	1000	1000	1000	
Constant power range (r/min)	1500~8000	1500~7000	1500~8000	1000~4000			
Max. Speed(r/min)	H: 10000			M: 7000			
Moment inertia (kg·m ²)	0.0056	0.0074	0.0115	0.0168	0.0238	0.0309	
Weight (kg)	27	32	43	51	66	77	
Installation type	IM B35			IM B5 or B3			
Protection degree	IP54 (GB/T 4942.1-2006)			IP54 (GB/T 4942.1-2006)			
Insulation degree	F grade (GB 755-2008)			F grade (GB 755-2008)			
Vibration degree	B grade (GB 10068-2008)			B grade (GB 10068-2008)			
Imbedded encoder	Incremental 1024 p/r			Incremental 1024 p/r			
Cooling fan power (V)	3-phase AC 380V 50Hz 30W 0.08A			3-phase AC 380V 50Hz 40W 0.14A			
External dimensions (See figures)	A	182	182	182	208	208	208
	B	/	/	/	104	104	104
	C	126	126	126	161	161	161
	D	185	185	185	215	215	215
	E	60	60	60	60	80	80
	F	324	351	406	413	468	523
	G	198	225	280	240	295	350
	H	150h7	150h7	150h7	180h7	180h7	180h7
	I	12	12	12	15	15	15
	J	28h6	28h6	28h6	28h6	38h6	38h6
	K	184	184	184	270	270	270
	L	93	93	93	106	106	106
	N	156	156	156	180	180	180
	O	/	/	/	353	353	353
	P	32	32	32	40	40	40
	Q	132	159	214	210	265	320
	S	60	60	60	60	80	80
T	4	4	4	5	5	5	
Z	12	12	12	12	12	12	

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Specification Items	ZJY208- 2.2B	ZJY208- 3.7B	ZJY208- 5.5B	ZJY208- 7.5B	ZJY265- 5.5WL	ZJY265- 7.5AM	
Rated power (kW)	2.2	3.7	5.5	7.5	5.5	7.5	
Driver voltage (V)	3-phase AC 380V 50/60Hz				3-phase AC 380V 50/60Hz		
Rated current (A)	8.9	8.6	13	17	16.3	21.5	
Rated frequency (Hz)	50	50	50	50	25	33.3	
Rated torque (N·m)	14	24	35	48	70	72	
30min power (kW)	3.7	5.5	7.5	11	7.5	11	
30min current (A)	13.8	12.7	16.9	24.6	20.8	29	
30min torque(N·m)	24	35	48	70	95.5	105	
Rated speed (r/min)	1500	1500	1500	1500	750	1000	
Constant power range (r/min)	1500 ~ 7500	1500 ~ 5000					
Max. Speed(r/min)	H: 10000	M: 7000、H: 10000					
Moment inertia (kg·m ²)	0.0116	0.0168	0.0238	0.0309	0.0744	0.0413	
Weight (kg)	49	51	66	77	107	89	
Installation type	IM B5 or B3				IM B5或B3		
Protection degree	IP54 (GB/T 4942.1-2006)				IP54 (GB/T 4942.1-2006)		
Insulation degree	F grade (GB 755-2008)				F grade (GB 755-2008)		
Vibration degree	B grade (GB 10068-2008)				B grade (GB 10068-2008)		
Imbedded encoder	Incremental 1024 p/r				Incremental 1024 p/r		
Cooling fan power (V)	3-phase AC 380V 50Hz 40W 0.14A				3-phase AC 380V 50Hz 70W 0.21A		
External dimensions (See figures)	A	208	208	208	208	265	265
	B	104	104	104	104	132	132
	C	161	161	161	161	188	188
	D	215	215	215	215	265	265
	E	60	60	80	80	110	110
	F	363	413	468	523	488	443
	G	190	240	295	350	305	260
	H	180h7	180h7	180h7	180h7	230h7	230h7
	I	15	15	15	15	15	15
	J	28h6	28h6	38h6	38h6	48h6	48h6
	K	270	270	270	270	300	300
	L	106	106	106	106	135	135
	N	180	180	180	180	230	230
	O	353	353	353	353	370	370
	P	40	40	40	40	40	40
	Q	160	210	265	320	270	225
	S	60	60	80	80	110	110
T	5	5	5	5	5	5	
Z	12	12	12	12	15	15	

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Specification Items	ZJY265- 15AM	ZJY265- 7.5BM	ZJY265- 11BM	ZJY265- 15BM	ZJY265- 18.5BM	
Rated power (kW)	15	7.5	11	15	18.5	
Driver voltage (V)	3-phase AC 380V 50/60Hz					
Rated current (A)	48.3	18	26	35	48.7	
Rated frequency (Hz)	33.3	50	50	50	50	
Rated torque (N·m)	143	49	72	98	118	
30min power (kW)	18.5	11	15	18.5	22	
30min current (A)	56	26	34	42	54.7	
30min torque(N·m)	177	74	100	123	140	
Rated speed (r/min)	1000	1500	1500	1500	1500	
Constant power range (r/min)	1500 ~ 5000					
Max. Speed(r/min)	M: 7000					
Moment inertia (kg·m ²)	0.086	0.0413	0.0744	0.0826	0.086	
Weight (kg)	143	89	107	125	143	
Installation type	IM B5 orB3					
Protection degree	IP54 (GB/T 4942.1-2006)					
Insulation degree	F grade (GB 755-2008)					
Vibration degree	B grade (GB 10068-2008)					
Imbedded encoder	Incremental 1024 p/r					
Cooling fan power(V)	3-phase AC 380V 50Hz 40W 0.14A		3-phase AC 380V 50Hz 70W 0.21A			
External dimensions (See figures)	A	265	265	265	265	
	B	132	132	132	132	
	C	188	188	188	188	
	D	265	265	265	265	
	E	110	110	110	110	
	F	578	443	488	533	578
	G	395	260	305	350	395
	H	230h7	230h7	230h7	230h7	230h7
	I	15	15	15	15	15
	J	48h6	48h6	48h6	48h6	55h6
	K	300	300	300	300	300
	L	135	135	135	135	135
	N	230	230	230	230	230
	O	370	370	370	370	370
	P	40	40	40	40	40
Q	360	225	270	315	360	
S	110	110	110	110	110	
T	5	5	5	5	5	
Z	15	15	15	15	15	

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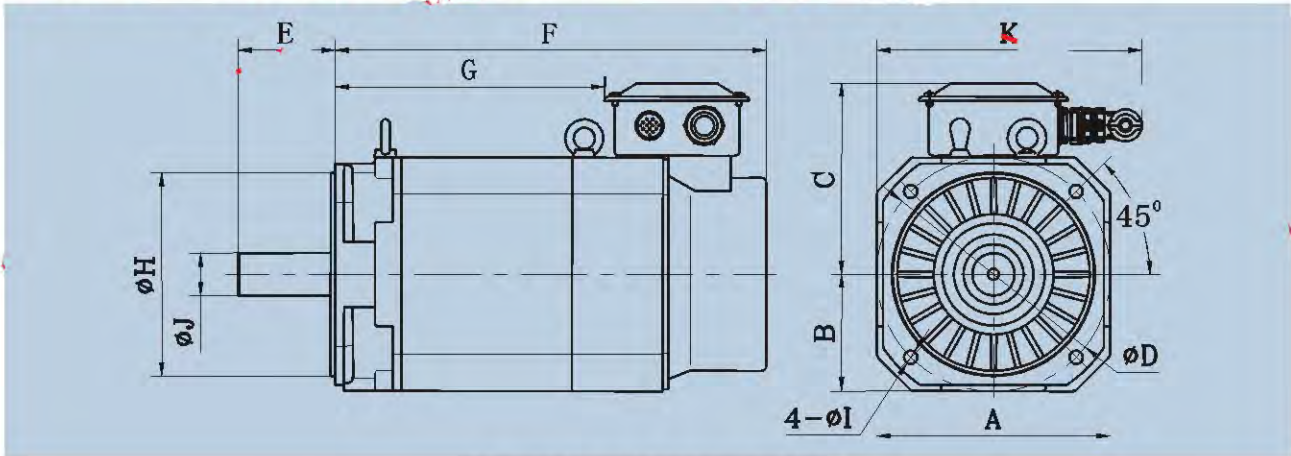
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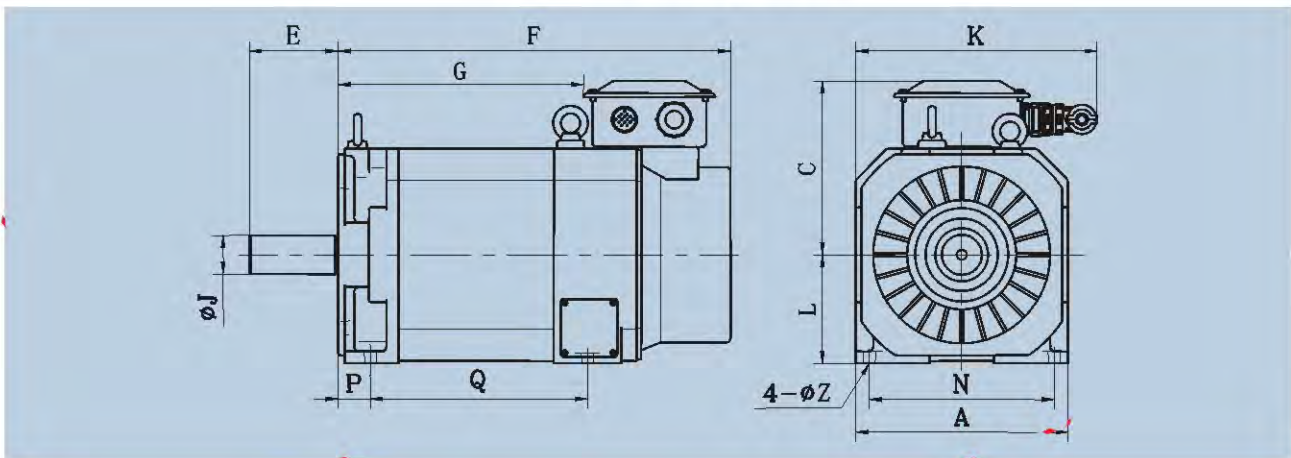
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Overall Installation Dimension



Flange installation type (B5)

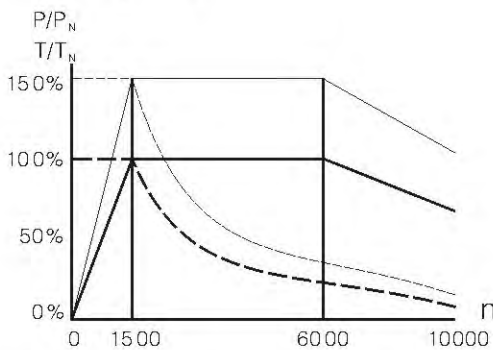


Motor Mechanical Characteristic Curve

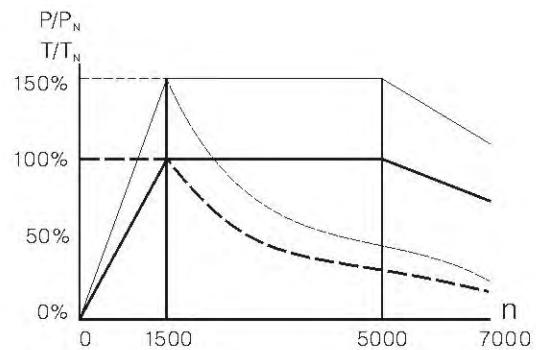


P/P_N — Power/ Rated power;
 n — Rated speed.

T/T_N — Torque/ Rated torque;



Motor characteristic curve at max. speed H



Motor characteristic curve at max. speed M

Notice:

———— Power in continuous running;
 - - - - - Torque in continuous running;

———— Power in 30 min running;
 - - - - - Torque in 30 min running.