Catalogue

Servo spindle motor & Motorized spindle

FoLinn

Driving the future

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CONTENT

Established in	50	02	24
1994	Core Technologies	Invention patents	Patents for utility models

COMPANY PROFILE

Zhejiang New Folinn Electric Co.,Ltd, founded in 1994, is located at Wenling, the youngest costal city in China, a well-known manufacturing base in Yangtze River. Honored as a Zhejiang Hi-Tech Enterprise, we focus on R&D, manufacturing, sales and service for motor auto controlling products.

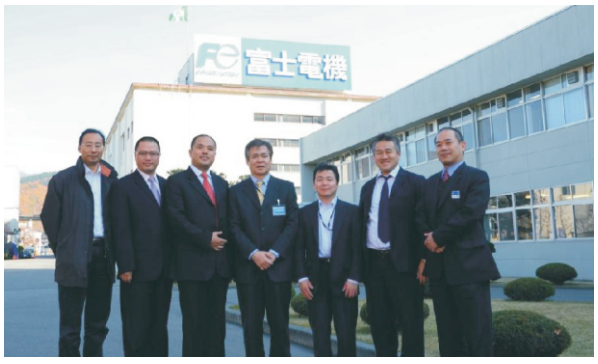
Folinn Company is specialized in manufacturing frequency inverter, Motor & Motorized spindle, Servo & Motion Control , Solar pump VFD/inverter and new energy products. Based on our own controlling technology and creative concept, we concentrate on driving technology improvement, device manufacture and update, devoting ourselves to providing every customer with the quality product and service and pushing this industry forward.

We stand on the principle of “Quality & Innovation is the industry's life”, and realize it in our company moving steps, in order to keep ourselves and our customers growing together.

Folinn sales network has been reached out all major parts of China and some other countries in Europe, South-East Asia, Mid-East, America, and Oceania.

24	22000㎡	300000
Software copyright	Housing area	Annual yield

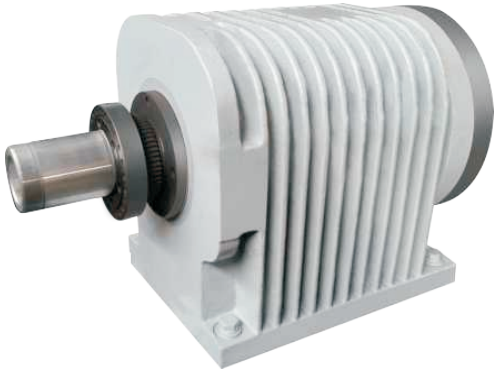
China Top 10 Brand of Motor Control
CEEIA Council Member of Motor Control Industry
First Medium-voltage Motor Control Manufacturer in Zhejiang
National Torch Program Item
Zhejiang High-tech Enterprise
Zhejiang Famous Brand



KE series
Motorized Spindle

Product characteristics

High speed and smooth, high torque at low speed, direct drive of CNC spindle system.



- High precision spindle mechanical structure, small spindle cone surface beating, the precision of the end surface beating is higher than similar lathe, used in applications with extremely high precision requirements
- Good control performance, fast servo response, accurate zero-speed locking position, high accuracy of indexing control
- High efficiency: higher than IE3 of IEC60034-30-2008 and level 2 energy efficiency of GB18613-2010
- Low noise,low vibration, enhanced reliability
- Non-maintenance lubrication structure, high ability protection structure, low operating temperature rise, stable and reliable for a long time
- Optimized winding design and efficient cooling structure, so that the Motorized spindle has a strong and agile acceleration ability in the high-speed area
- Improved short time rated power and torque, enhanced short time recutting capability, so that reducing processing time

Applications

High-grade CNC machine tool: for example parallel motion machine tool, pentahedral processing center, small hole and microhole processing machine tool ,etc. And also flexible processing Motorized spindle, grinding Motorized spindle, carving and milling Motorized spindle

CNC lathe

Horizontal Processing Centre

Vertical milling machine

Model description KE series Motorized spindle

K	E	-	36	D48	-	18	2.2	-	□□
1	2		3	4		5	6		7

No.	Name	Description
1	K	main mode name
2	E	Motorized spindle
3	36	maximum rotation diameter of Motorized spindle : 36 ×10=360mm
4	D48	shaft through-hole diameter :48mm
5	18	rated rotation speed 18×100rpm
6	2.2	rated power : 2.2kw
7	□□	encoder characteristics

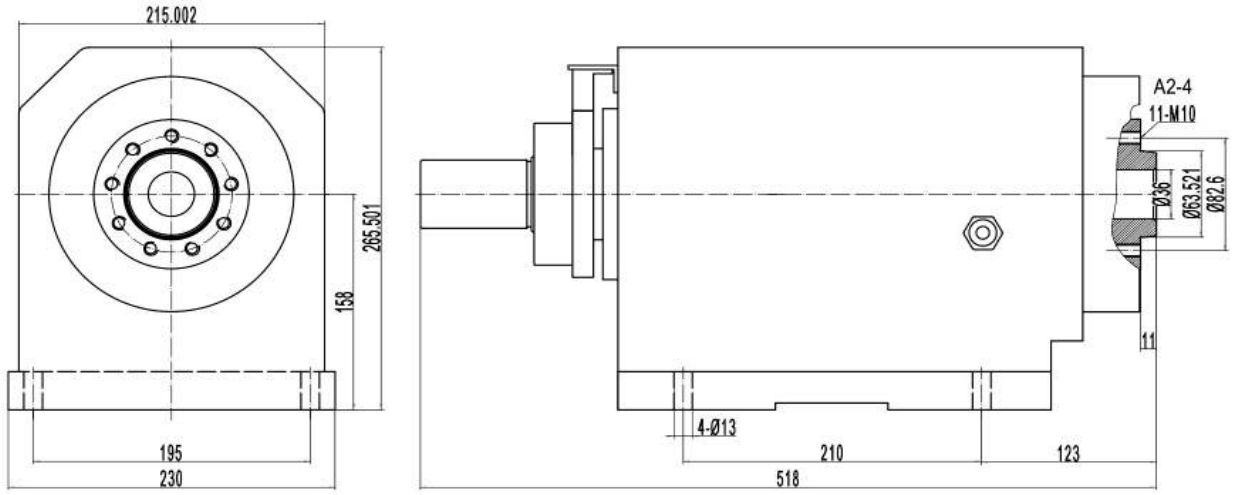
Motorized spindle KE-00D28

Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-00D28-180.75	S1	0.75	1.5	3.98	380	1.75	1800	8000	0.004
	S6	1.1		5.84		2.42			
KE-00D28-130.55	S1	0.55	1.1	4.04	380	1.3	1300	6000	0.004
	S6	0.75		5.51		1.7			

Motorized spindle KE-30D28

Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-30D28-181.5	S1	1.5	2.2	7.96	380	3.1	1800	8000	0.008
	S6	1.85		9.82		3.8			
KE-30D28-131.1	S1	1.1	1.5	8.08	380	2.28	1300	6000	0.0081
	S6	1.3		9.55		2.7			

Motorized spindle KE-30D36

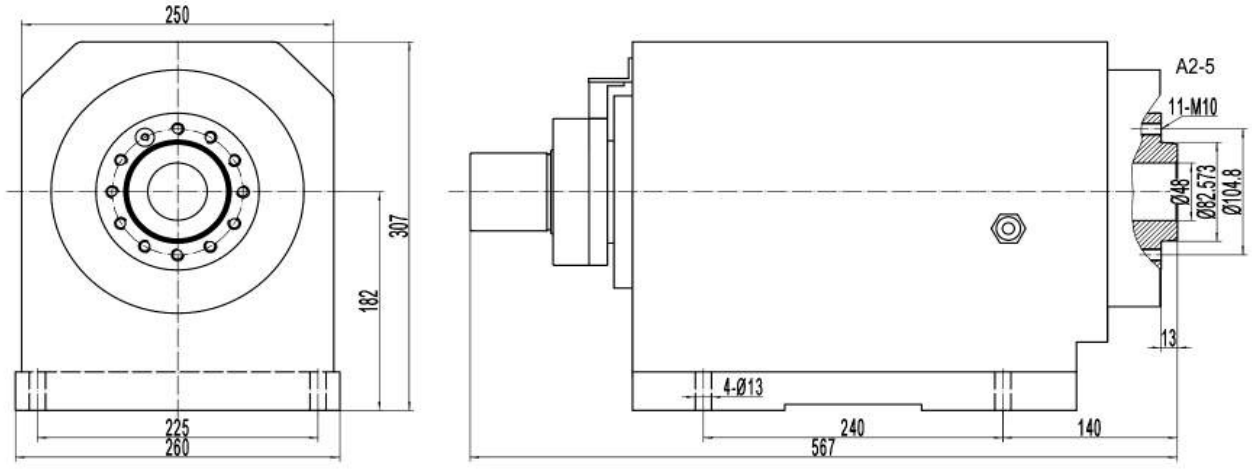


Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-30D36-181.5	S1	1.5	2.2	7.96	380	3.1	1800	8000	0.008
	S6	1.85		9.82		3.8			
KE-30D36-131.1	S1	1.1	1.5	8.08	380	2.28	1300	6000	0.0081
	S6	1.3		9.55		2.7			

Motorized spindle KE-36D43

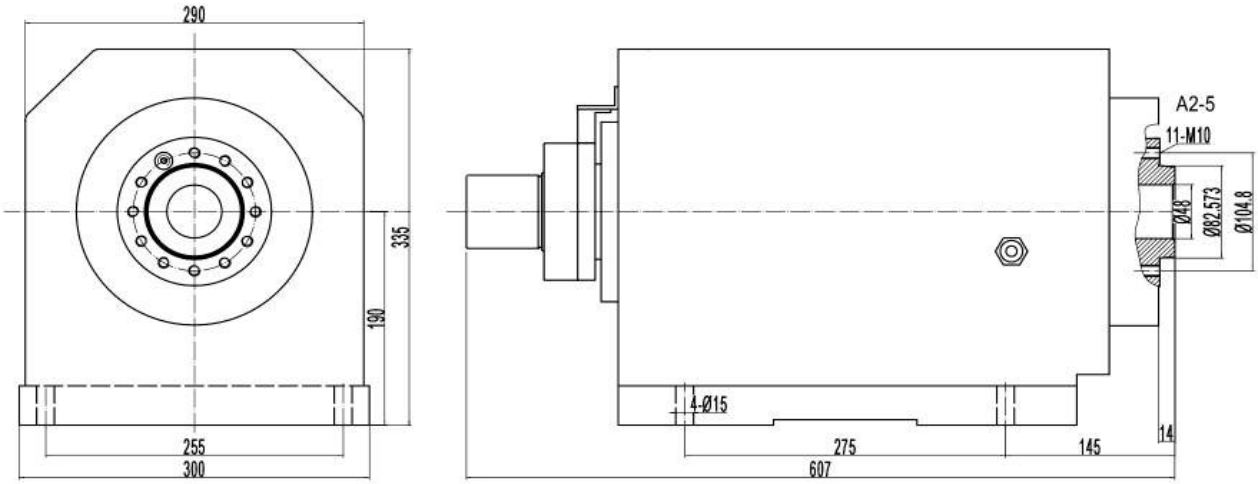
Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-36D43-181.5	S1	1.5	2.2	7.96	380	3.1	1800	8000	0.008
	S6	1.85		9.82		3.8			
KE-36D43-131.1	S1	1.1	1.5	8.08	380	2.28	1300	6000	0.0081
	S6	1.3		9.55		2.7			
KE-36D43-182.2	S1	2.2	3	11.7	380	4.28	1800	8000	0.0117
	S6	2.6		13.8		5			
KE-36D43-131.5	S1	1.5	2.2	11.0	380	2.9	1300	6000	0.011
	S6	1.85		13.6		3.68			

Motorized spindle KE-36D48



Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-36D48-181.5	S1	1.5	2.2	7.96	380	3.1	1800	8000	0.008
	S6	1.85		9.82		3.8			
KE-36D48-131.1	S1	1.1	1.5	8.08	380	2.28	1300	6000	0.0081
	S6	1.3		9.55		2.7			
KE-36D48-182.2	S1	2.2	3	11.7	380	4.28	1800	8000	0.0117
	S6	2.6		13.8		5			
KE-36D48-131.5	S1	1.5	2.2	11.0	380	2.9	1300	6000	0.011
	S6	1.85		13.6		3.68			

Motorized spindle KE-38D48

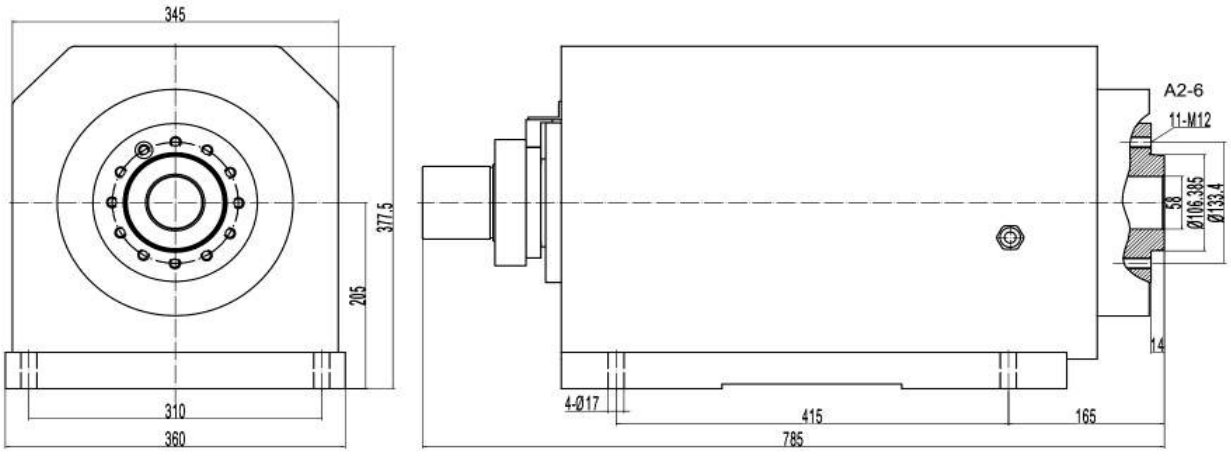


Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-38D48-183	S1	3	4	15.9	380	5.6	1800	6000	0.0159
	S6	3.5		18.6		6.67			
KE-38D48-132.2	S1	2.2	3	16.2	380	4.44	1300	5000	0.0162
	S6	2.6		19.1		5.1			
KE-38D48-184	S1	4	5.5	21.2	380	7.6	1800	6000	0.0212
	S6	4.75		25.2		8.9			
KE-38D48-133	S1	3	4	22.0	380	5.9	1300	5000	0.022
	S6	3.5		25.7		6.8			

Motorized spindle KE-38D52

Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-38D52-183	S1	3	4	15.9	380	5.6	1800	6000	0.0159
	S6	3.5		18.6		6.67			
KE-38D52-132.2	S1	2.2	3	16.2	380	4.44	1300	5000	0.0162
	S6	2.6		19.1		5.1			
KE-38D52-184	S1	4	5.5	21.2	380	7.6	1800	6000	0.0212
	S6	4.75		25.2		8.9			
KE-38D52-133	S1	3	4	22.0	380	5.9	1300	5000	0.022
	S6	3.5		25.7		6.8			

Motorized spindle KE-40D58



Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-41D58-155.5	S1	5.5	7.5	35.0	380	10.3	1500	5000	0.035
	S6	6.5		41.4		12			
KE-41D58-104	S1	4	5.5	38.2	380	7.73	1000	4000	0.038
	S6	4.75		45.4		9.1			
KE-41D58-157.5	S1	7.5	11	47.8	380	13.75	1500	5000	0.048
	S6	9.25		58.9		16.7			
KE-41D58-105.5	S1	5.5	7.5	52.5	380	10.36	1300	4000	0.053
	S6	6.5		62.1		12.1			

Motorized spindle KE-40D63

Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-41D63-155.5	S1	5.5	7.5	35.0	380	10.3	1500	5000	0.035
	S6	6.5		41.4		12			
KE-41D63-104	S1	4	5.5	38.2	380	7.73	1000	4000	0.038
	S6	4.75		45.4		9.1			
KE-41D63-157.5	S1	7.5	11	47.8	380	13.75	1500	5000	0.048
	S6	9.25		58.9		16.7			
KE-41D63-105.5	S1	5.5	7.5	52.5	380	10.36	1300	4000	0.053
	S6	6.5		62.1		12.1			

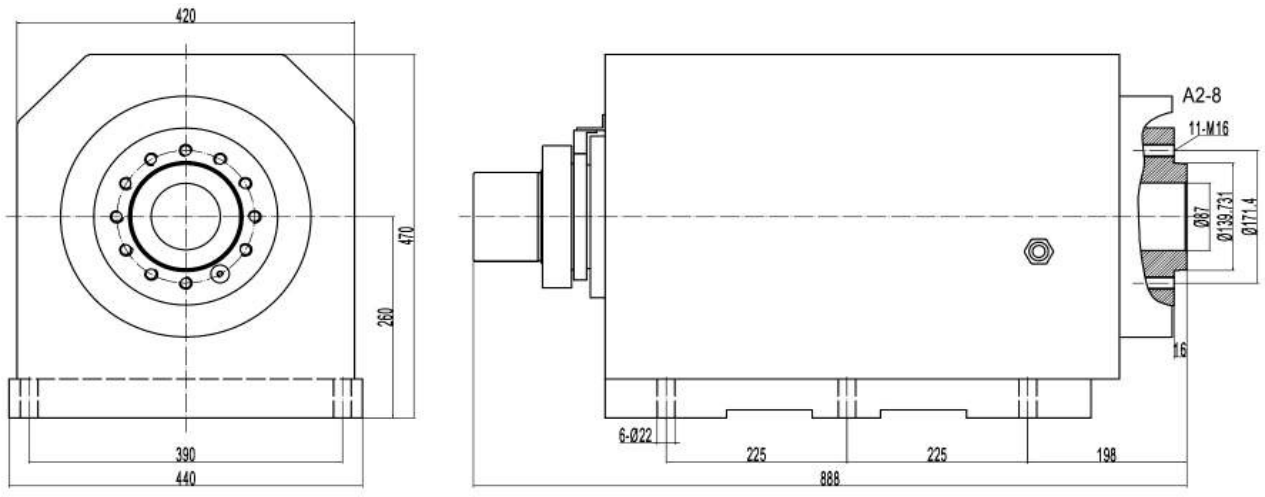
Motorized spindle KE-40D73

Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-41D73-1511	S1	11	15	70.0	380	21.1	1500	4000	0.07
	S6	13		82.8		24.3			
KE-41D73-107.5	S1	7.5	11	71.6	380	14.7	1000	3500	0.072
	S6	9.25		88.3		17.6			
KE-41D73-7005.5	S1	5.5	7.5	75.0	380	11.2	700	3000	0.075
	S6	6.5		88.7		12.9			

Motorized spindle KE-52D73

Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-52D73-1511	S1	11	15	70.0	380	21.1	1500	4000	0.07
	S6	13		82.8		24.3			
KE-52D73-107.5	S1	7.5	11	71.6	380	14.7	1000	3500	0.072
	S6	9.25		88.3		17.6			
KE-52D73-7005.5	S1	5.5	7.5	75.0	380	11.2	700	3000	0.075
	S6	6.5		88.7		12.9			

Motorized spindle KE-52D87



Box-type Motorized spindle Model	Duty type	Rated power (kw)	Drive capacity (kVA)	Rated torque (Nm)	Rated voltage (V)	Rated current (A)	Base rotation speed (r/min)	Maximum speed (r/min)	Motor inertia (kg · m²)
KE-52D87-1515	S1	15	18.5	95.5	380	28.1	1500	4000	0.096
	S6	16.75		106.6		31			
KE-52D87-1011	S1	11	15	105.1	380	21	1000	3500	0.105
	S6	13		124.2		24.2			
KE-52D87-7007.5	S1	7.5	11	102.3	380	14.9	700	3500	0.102
	S6	9.25		126.2		17.8			
KE-52D87-1518.5	S1	18.5	22	117.8	380	34.3	1500	4000	0.118
	S6	20.25		128.9		37			
KE-52D87-1015	S1	15	18.5	143.3	380	28.1	1000	3500	0.143
	S6	16.75		160.0		31			
KE-52D87-0711	S1	11	15	150.1	380	21	700	3000	0.15
	S6	13		177.4		26.7			
KE-52D87-1522	S1	22	30	140.1	380	40.6	1500	4000	0.14
	S6	26		165.5		47			
KE-52D87-1018.5	S1	18.5	22	176.7	380	34.4	1000	3500	0.177
	S6	20.25		193.4		37.2			
KE-52D87-7515	S1	15	18.5	191.0	380	28.4	750	3000	0.191
	S6	16.75		213.3		31.3			

KZG series
High-speed CNC Servo Spindle Motors

Product characteristics

Heavy cutting in low speed zone , small vibration and high precision in high speed zone, fast dynamic response, only takes 1.9 seconds from 0 to 20000rpm

- ◎ Optimized winding design and high efficiency cooling structure, motor have strong and agile acceleration ability and wide range speed regulation ability in high speed zone.
- ◎ Good control performance, fast response, accurate zero-speed position and high accuracy of indexing control
- ◎ Optimized mechanical design, high mechanical accuracy and low vibration, direct connection with the spindle
- ◎ Built-in encoder, no need additional C-axis encoder
- ◎ High-precision: radial＜0. 005 axial＜0. 01
- ◎ High efficiency: higher than IE3 of IEC60034-30 and level 2 energy efficiency of GB18613-2012

Applications

High-end vertical processing center, horizontal processing center, compound high precision processing center

Vertical processing center

Drilling milling center

Compound high precision processing center

Model description

KZG series High-speed CNC Servo Spindle Motors

K ZG - 150 - 200 3.7 - □□

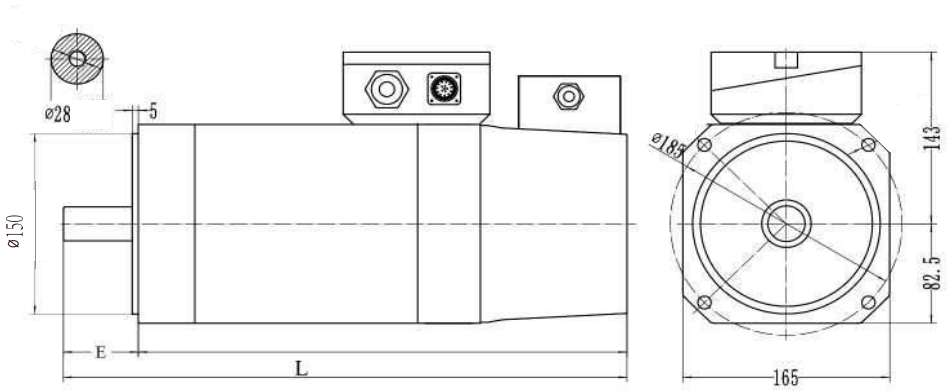
1 2 3 4 5 6

No.	Name	Description
1	K	main mode name
2	ZG	servo spindle motor(high-speed)
3	150	flange fitting diameter :150mm
4	200	Maximum rotation speed 200×100rpm
5	3.7	rated power : 3.7kw
6	□□	encoder

High-speed Spindle Motors KZG-110

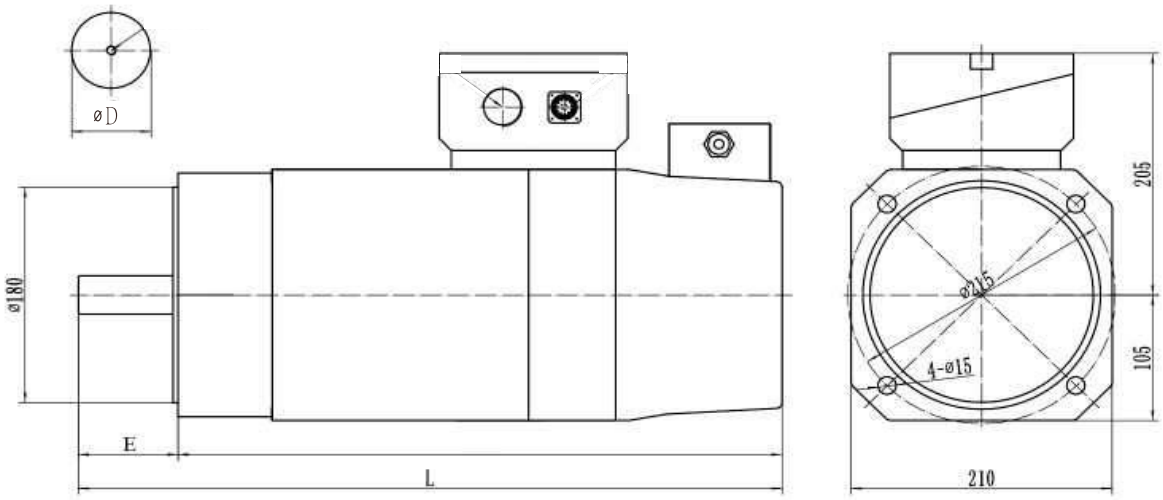
Model	Rated power	Maximum power	Voltage	Rated rotation speed	Rated torque	Maximum rotation speed	Motor inertia
	kW (continuous)	kW (30 minutes)	V	r/min	Nm	r/min	Kg.m2
KZG-110-2402.2	2.2	3.7	200、220、380	6000	3.50	24000	0.0032
KZG-110-2001.5	1.5	2.2	200、220、380	3000	4.78	20000	0.0043

High-speed Spindle Motors KZG-150



Model	Rated power	Maximum power	Voltage	Rated rotation speed	Rated torque	Maximum rotation speed	Motor inertia
	kW (continuous)	kW (30 minutes)	V	r/min	Nm	r/min	Kg.m2
KZG-150-2002.2	2.2	3.7	200、220、380	3000	7.00	20000	0.008
KZG-150-2003.7	3.7	5.5	200、220、380	3000	11.78	20000	0.01

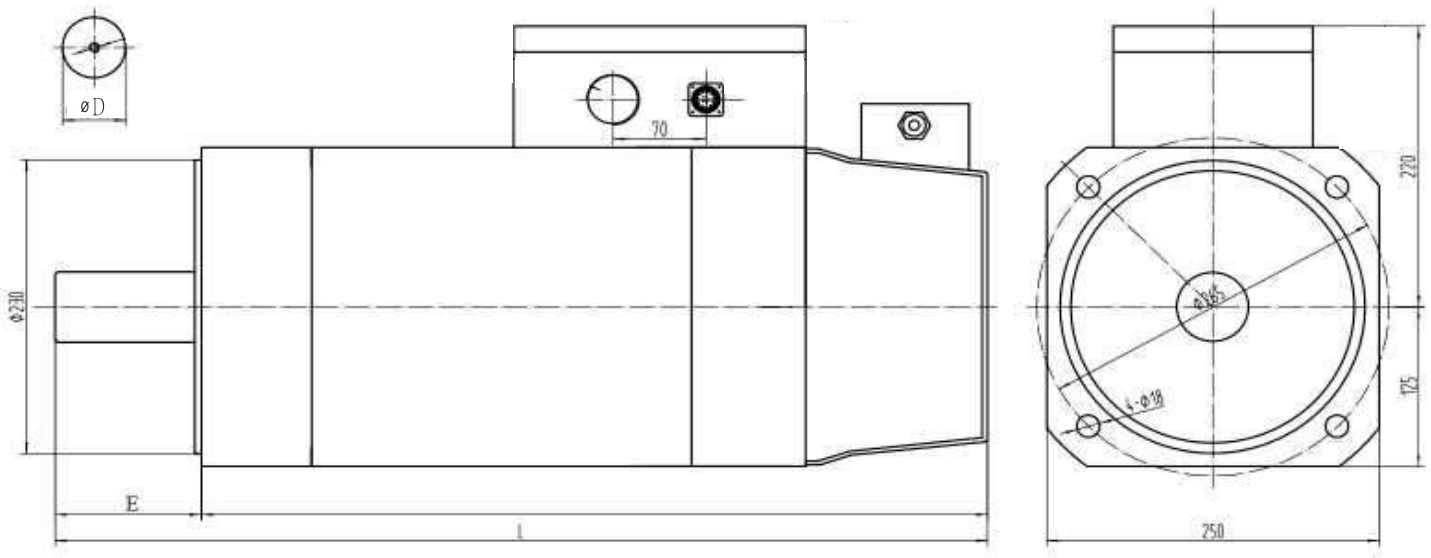
High-speed Spindle Motors KZG-180



Model	Rated power	Maximum power	Voltage	Rated rotation speed	Rated torque	Maximum rotation speed	Motor inertia
	kW (continuous)	kW (30 minutes)	V	r/min	Nm	r/min	Kg.m2
KZG-180-1205.5	5.5	7.5	200、220、380	2000	26.26	12000	0.019
KZG-180-1207.5	7.5	11	200、220、380	2000	35.81	12000	0.028
KZG-180-1505.5	5.5	7.5	200、220、380	3000	17.51	15000	0.019
KZG-180-1507.5	7.5	11	200、220、380	3000	23.88	15000	0.028

High-speed Spindle Motors

KZG-230



Model	Rated power	Maximum power	Voltage	Rated rotation speed	Rated torque	Maximum rotation speed	Motor inertia
	kW (continuous)	kW (30 minutes)	V	r/min	Nm	r/min	Kg.m2
KZG-230-12015	15	18.5	380	2000	71.63	12000	0.092
KZG-230-12018.5	18.5	22	380	2000	88.34	12000	0.116
KZG-230-12022	22	26	380	2000	105.05	12000	0.13
KZD-230-15015	15	18.5	380	3000	47.75	12000	0.061
KZG-230-15018.5	18.5	22	380	3000	58.89	12000	0.092
KZG-230-15022	22	26	380	3000	70.03	12000	0.116

KZ series
CNC Servo Spindle Motors

Product characteristics

Compact structure,superior performance and efficient， widely used in various fields of mechanical manufacturing. Optimized winding design and high efficiency cooling structure, motor have strong and agile acceleration ability and wide range speed regulation ability in high speed zone.

- Low motor inertia and fast dynamic response
- Built-in encoder, no need additional C-axis encoder
- Motor installed with independent fan, forced air cooling
- Low noise, low vibration
- Large torque, high dynamic performance (short rise time of slope)
- High efficiency: higher than IE3 of IEC60034-30 and level 2 energy efficiency of GB18613-2012

Applications

Machine tools, plastic processing equipment, paper machinery, printing machinery, textile machinery, wood, glass, ceramics and stone processing machinery, packaging machinery, servo press, wire drawing machine, cable winding machine, lifting equipment or crane, test bench, user-designed special machine, seamless steel tube hot continuous rolling system, aluminum foil mill, circular knitting machine, bending hoop machine，automatic pipe cutting machine, metal circle sawing machine, hydraulic press, cleaning machine, rotary cutting machine, automatic shelf (for large e-commerce companies), etc.

CNC lathe

Vertical lathe

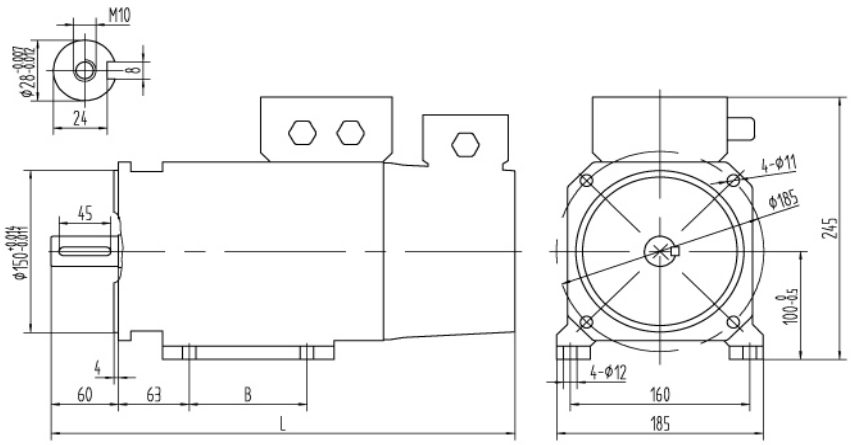
Veneer lathe

Model description KZ series CNC Servo Spindle Motors

K Z - 165 - 15 2.2 - □□ - B5
1 2 3 4 5 6 7

No.	Name	Description
1	K	main mode name
2	Z	servo spindle motor
3	165	Motor width
4	15	rated speed 15×100rpm
5	2.2	rated power : 2.2kw
6	B5	mounting type: B5, B3 , B35
7	□□	encoder

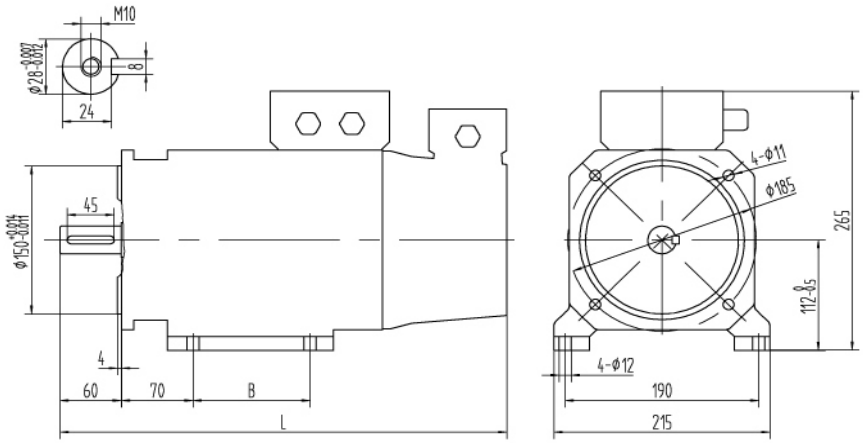
Spindle Motors K Z - 1 6 5



Model	Rated					Constant power	Rotation	Size	
	Power	Torque	Voltage	Current	Speed	Maximum rotation speed	inertia	B	L
	kW	N · m	V	A	r/min	r/min	kg · m2	mm	mm
KZ-165-100.75	0.75	7.16	380	1.75	1000	2500	0.0041	50	360
KZ-165-151.1	1.1	7	380	2.35	1500	3750	0.0041	50	360
KZ-165-201.5	1.5	7.16	380	3.08	2000	5000	0.0041	50	360
KZ-165-302.2	2.2	7	380	4.3	3000	7500	0.0041	50	360

Model	Rated					Constant power	Rotation	Size	
	Power	Torque	Voltage	Current	Speed	Maximum rotation speed	inertia	B	L
	kW	N · m	V	A	r/min	r/min	kg · m2	mm	mm
KZ-165-101.1	1.1	10.5	380	2.45	1000	2500	0.005	70	380
KZ-165-151.5	1.5	9.55	380	3.1	1500	3750	0.005	70	380
KZ-165-202.2	2.2	10.5	380	4.39	2000	5000	0.005	70	380
KZ-165-303	3	9.55	380	5.75	3000	7500	0.005	70	380
KZ-165-303.7	3.7	11.8	380	7	3000	7500	0.005	70	380
KZ-165-101.5	1.5	14.3	380	3.25	1000	2500	0.0067	105	415
KZ-165-152.2	2.2	14	380	4.45	1500	3750	0.0067	105	415
KZ-165-203	3	14.3	380	5.86	2000	5000	0.0067	105	415
KZ-165-203.7	3.7	17.7	380	7.15	2000	5000	0.0067	105	415
KZ-165-304	4	12.7	380	7.6	3000	7500	0.0067	105	415
KZ-165-102.2	2.2	21	380	4.65	1000	2500	0.0089	150	460
KZ-165-153	3	19.1	380	6	1500	3750	0.0089	150	460
KZ-165-153.7	3.7	23.6	380	7.35	1500	3750	0.0089	150	460
KZ-165-204	4	19.1	380	7.7	2000	5000	0.0089	150	460
KZ-165-305.5	5.5	17.5	380	10.3	3000	7500	0.0089	150	460

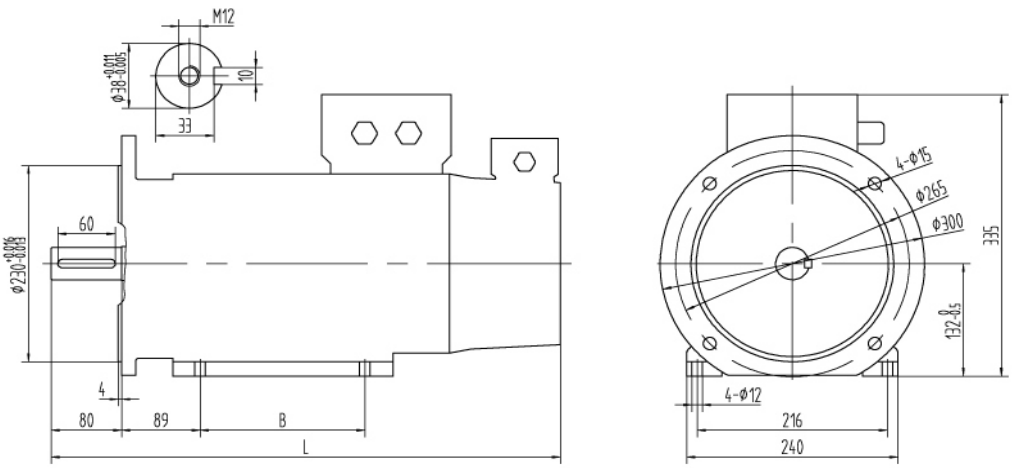
Spindle Motors KZ-180

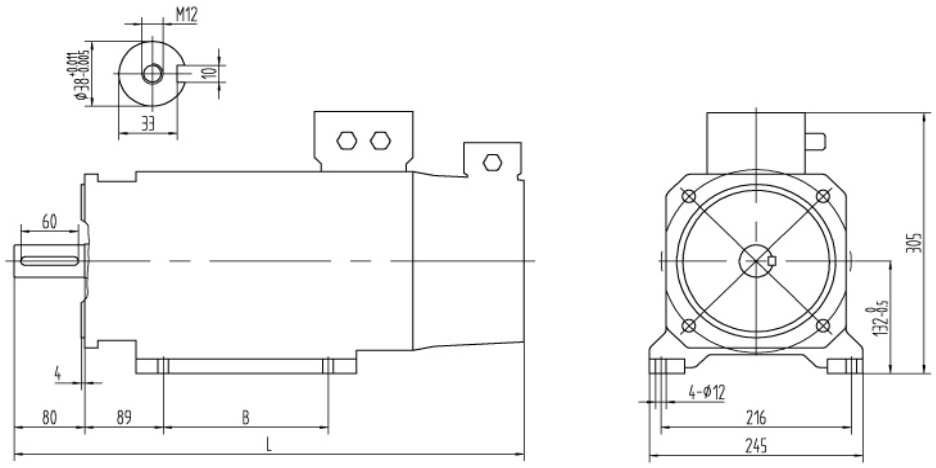


Model	Rated					Constant power	Rotation	Size	
	Power	Torque	Voltage	Current	Speed	Maximum rotation speed	inertia	B	L
	kW	N · m	V	A	r/min	r/min	kg · m2	mm	mm
KZ-180-101.5	1.5	14.3	380	3.25	1000	2500	0.0069	75	400
KZ-180-152.2	2.2	14	380	4.49	1500	3750	0.0069	75	400

Model	Rated					Constant power	Rotation	Size	
	Power	Torque	Voltage	Current	Speed	Maximum rotation speed	inertia	B	L
	kW	N · m	V	A	r/min	r/min	kg · m2	mm	mm
KZ-180-203	3	14.3	380	5.97	2000	5000	0.0069	75	400
KZ-180-203.7	3.7	17.7	380	7.21	2000	5000	0.0069	75	400
KZ-180-254	4	15.3	380	7.72	2500	6500	0.0069	75	400
KZ-180-102.2	2.2	21	380	4.61	1000	2500	0.0094	115	440
KZ-180-153	3	19.1	380	6.11	1500	3750	0.0094	115	440
KZ-180-153.7	3.7	23.6	380	7.32	1500	3750	0.0094	115	440
KZ-180-204	4	19.1	380	7.87	2000	5000	0.0094	115	440
KZ-180-255.5	5.5	21	380	10.6	2500	6500	0.0094	115	440
KZ-180-103	3	28.7	380	6.16	1000	2500	0.0109	140	465
KZ-180-103.7	3.7	35.3	380	7.67	1000	2500	0.0109	140	465
KZ-180-154	4	25.5	380	7.87	1500	3750	0.0109	140	465
KZ-180-205.5	5.5	26.3	380	10.6	2000	5000	0.0109	140	465
KZ-180-257.5	7.5	28.7	380	14.1	2500	6500	0.0109	140	465
KZ-180-104	4	38.2	380	8.21	1000	2500	0.0127	170	495
KZ-180-155.5	5.5	35	380	10.7	1500	3750	0.0127	170	495
KZ-180-207.5	7.5	35.8	380	14.1	2000	5000	0.0127	170	495
KZ-180-309.5	9.5	36.3	380	17.6	2500	6500	0.0127	170	495

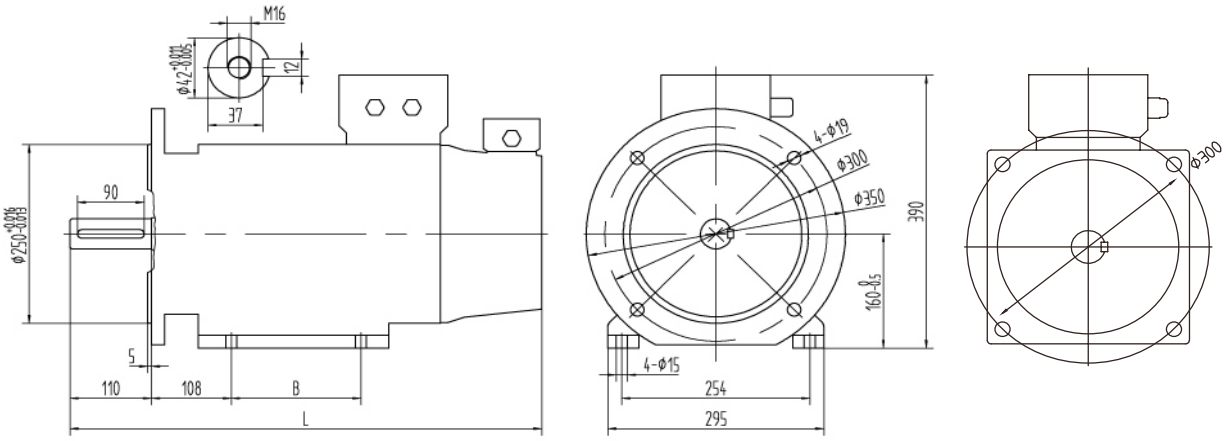
Spindle Motors KZ-210





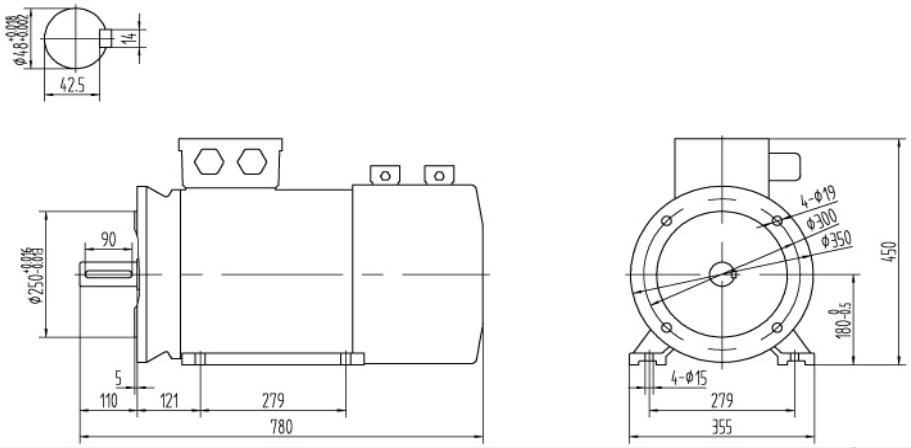
Model	Rated					Constant power	Rotation	Size	
	Power	Torque	Voltage	Current	Speed	Maximum rotation speed	inertia	B	L
	kW	N · m	V	A	r/min	r/min	kg · m2	mm	mm
KZ-210-7502.2	2.2	28	380	4.83	750	2000	0.0144	70	463
KZ-210-103	3	28.7	380	6.22	1000	2500	0.0144	70	463
KZ-210-103.7	3.7	35.3	380	7.72	1000	2500	0.0144	70	463
KZ-210-154	4	25.5	380	7.88	1500	3750	0.0144	70	463
KZ-210-205.5	5.5	26.3	380	10.6	2000	5000	0.0144	70	463
KZ-210-7503	3	38.2	380	6.38	750	2000	0.0197	115	508
KZ-210-7503.7	3.7	47.1	380	7.98	750	2000	0.0197	115	508
KZ-210-104	4	38.2	380	8.13	1000	2500	0.0197	115	508
KZ-210-155.5	5.5	35	380	10.8	1500	3750	0.0197	115	508
KZ-210-207.5	7.5	35.8	380	14.2	2000	5000	0.0197	115	508
KZ-210-7504	4	50.9	380	8.4	750	2000	0.0244	155	548
KZ-210-105.5	5.5	52.5	380	11	1000	2500	0.0244	155	548
KZ-210-157.5	7.5	47.8	380	14.3	1500	3750	0.0244	155	548
KZ-210-2011	11	52.5	380	20.4	2000	5000	0.0244	155	548
KZ-210-7504.75	4.75	60.5	380	9.93	750	2000	0.0279	185	578
KZ-210-106.5	6.5	62.1	380	12.9	1000	2500	0.0279	185	578
KZ-210-159.5	9.5	60.5	380	17.8	1500	3750	0.0279	185	578
KZ-210-2013	13	62.1	380	24.1	2000	5000	0.0279	185	578
KZ-210-7505.5	5.5	70	380	11.4	750	2000	0.0308	210	603
KZ-210-107.5	7.5	71.6	380	14.8	1000	2500	0.0308	210	603
KZ-210-1511	11	70	380	20.6	1500	3750	0.0308	210	603
KZ-210-2015	15	71.6	380	27.6	2000	5000	0.0308	210	603

Spindle Motors KZ-250



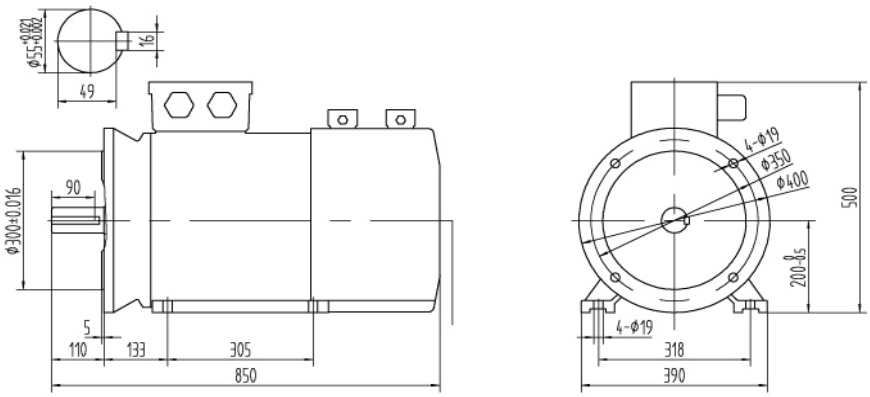
Model	Rated					Constant power	Rotation	Size	
	Power	Torque	Voltage	Current	Speed	Maximum rotation speed	inertia	B	L
	kW	N · m	V	A	r/min	r/min	kg · m2	mm	mm
KZ-250-7504	4	50.9	380	8.33	750	2000	0.0392	95	560
KZ-250-105.5	5.5	52.5	380	10.9	1000	2500	0.0392	95	560
KZ-250-157.5	7.5	47.8	380	14.4	1500	3750	0.0392	95	560
KZ-250-2011	11	52.5	380	20.3	2000	5000	0.0392	95	560
KZ-250-7504.75	4.75	60.5	380	9.74	750	2000	0.044	115	580
KZ-250-106.5	6.5	62.1	380	12.8	1000	2500	0.044	115	580
KZ-250-159.5	9.5	60.5	380	17.8	1500	3750	0.044	115	580
KZ-250-2013	13	62.1	380	23.8	2000	5000	0.044	115	580
KZ-250-7505.5	5.5	70	380	11.2	750	2000	0.05	140	605
KZ-250-107.5	7.5	71.6	380	14.6	1000	2500	0.05	140	605
KZ-250-1511	11	70	380	20.6	1500	3750	0.05	140	605
KZ-250-2015	15	71.6	380	27.5	2000	5000	0.05	140	605
KZ-250-7507.5	7.5	95.5	380	15	750	2000	0.0583	175	640
KZ-250-1011	11	105.1	380	21.1	1000	2500	0.0583	175	640
KZ-250-1515	15	95.5	380	27.8	1500	3750	0.0583	175	640
KZ-250-2018.5	18.5	88.3	380	33.6	2000	5000	0.0583	175	640
KZ-250-7511	11	140.1	380	21.9	750	2000	0.0691	220	685
KZ-250-1015	15	143.3	380	28.7	1000	2500	0.0691	220	685
KZ-250-1518.5	18.5	117.8	380	34	1500	3750	0.0691	220	685
KZ-250-2022	22	105.1	380	40	2000	5000	0.0691	220	685

Spindle Motors KZ-300



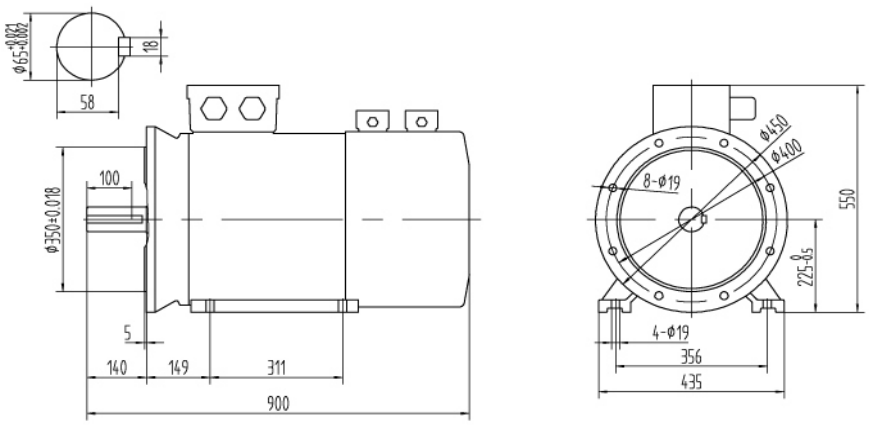
Model	Rated					Constant power Maximum rotation speed	Rotation inertia
	Power	Torque	Voltage	Current	Speed		
	kW	N · m	V	A	r/min	r/min	kg · m2
KZ-300-1018.5	18.5	176.7	380	36.6	1000	2500	0.2803
KZ-300-60011	11	175.1	380	23.2	600	1500	0.2803
KZ-300-5009.5	9.5	181.5	380	20.5	500	1250	0.2803

Spindle Motors KZ-350



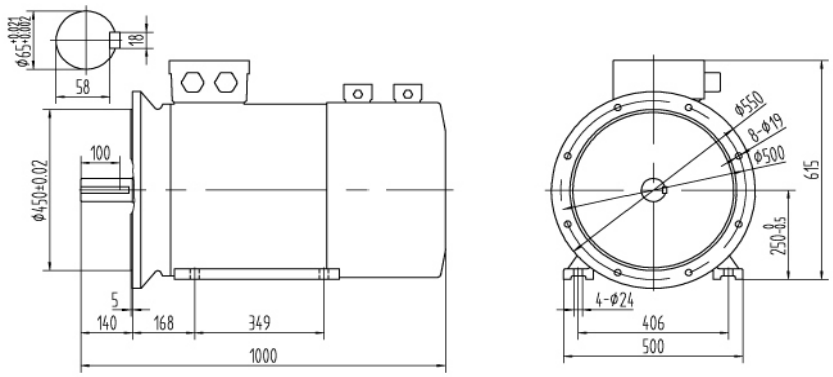
Model	Rated					Constant power Maximum rotation speed	Rotation inertia
	Power	Torque	Voltage	Current	Speed		
	kW	N · m	V	A	r/min	r/min	kg · m2
KZ-350-1030	30	286.5	380	58.5	1000	2500	0.4617
KZ-350-60018.5	18.5	294.5	380	38	600	1500	0.4617
KZ-350-50015	15	286.5	380	31.9	500	1250	0.4617
KZ-350-1022	22	210.1	380	43.5	1000	2500	0.395
KZ-350-60015	15	238.8	380	31.3	600	1500	0.395
KZ-350-50011	11	210.1	380	23.5	500	1250	0.395

Spindle Motors KZ-400



Model	Rated					Constant power	Rotation
	Power	Torque	Voltage	Current	Speed	Maximum rotation speed	inertia
	kW	N · m	V	A	r/min	r/min	kg · m2
KZ-400-75037	37	471.1	380	75.2	750	2000	0.7995
KZ-400-45022	22	466.9	380	47.2	450	1200	0.7995
KZ-400-37518.5	18.5	471.1	380	40.8	375	950	0.7995
KZ-400-75030	30	382	380	61.6	750	2000	0.7062
KZ-400-45018.5	18.5	392.6	380	40	450	1200	0.7062
KZ-400-37515	15	382	380	33.3	375	9550	0.7062

Spindle Motors KZ-500



Model	Rated					Constant power	Rotation
	Power	Torque	Voltage	Current	Speed	Maximum rotation speed	inertia
	kW	N · m	V	A	r/min	r/min	kg · m2
KZ-500-75045	45	573	380	89	750	2000	1.144
KZ-500-47530	30	603.2	380	62.5	475	1200	1.144
KZ-500-37522	22	560.3	380	47	375	950	1.144

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