



AC SERVO SYSTEM

Product Catalogue



Bring Out the Best in Motion

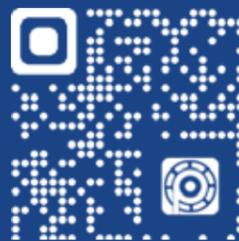
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2024

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ABOUT PRIMOPAL

PrimoPal Motor Co., Ltd. is a joint-venture manufacturing, engineering and trading company, located at the free-trade zone of Shanghai, China. PrimoPal specializes in development, production and selling of various high-quality and cost-effective precision motor and motion control products, including Hybrid stepper motors, PM stepper motors, Linear actuators, Close-loop stepper motors, Brushless DC motors, Brushless servo motors, AC servo motors, PM DC motors, AC induction motors, Synchronous motors, Gear motors, Stepper drives, Brushless DC drives, Hybrid servo drives, AC servo drives, Brushless servo drives, Brush servo drives, Encoders, Spur gearboxes, Planetary gear heads, Brakes, Power supplies, Accessories, and so on. Since establishment, PrimoPal is committed to providing outstanding quality, economical solutions, impeccable support and after-sales service for every client. Our manufacturing bases are equipped with advanced quality testing devices, precise injection molding machines, auto high-speed punches, auto winding machines and other advanced manufacturing equipment. It makes us have the ability of continuously providing products with superior quality. Besides, we have an engineering team with many years of experience in motor design and application engineering. This ability of offering custom products often gives our customers the great benefit.

For PrimoPal, the customer is not only a buyer, but also a long-term business partner. We work not only to meet their expectations, but also to exceed them through continuous cycles of learning. We believe it is the key to a successful business relationship that understanding our customer's goals, delivering what our customers need and when they need it. To demonstrate our commitment to all our customers, PrimoPal has adopted "Bringing out the Best in Motion" as our official slogan, which means our ultimate goal is to become one of the world's top level companies in the industry of precision motor and motion control system. The pursuit of excellence encourages all PrimoPal employees to forge ahead into improving our business processes and increasing our management efficiency. We have no doubt that our endeavors enable us to maintain strong presence in the competitive market.

Now, let us help you find the right solution for your motor and motion control systems.



Content

Servo Motor

PASA Universal Series A

Power range: 0.2KW~71.2KW

Rated voltage: 220V~380V

Encoder configuration: Incremental encoder, can also support absolute encoder, rotary resolver, etc.

Application field: Horizontal looms, embroidery machines, printing machinery CNC machine tools, automation, wood carving and other fields

PASB High Inertia Series B

Power range: 200W~7.5KW

Rated voltage: 220V~380V

Encoder configuration: Absolute encoder, can also support incremental encoder, rotary resolver, etc.

Design: Adopt the whole process, compact structure, short body and small volume

Application field: Joint robot, reclaiming robot, logistics system, engraving and milling CNC and other fields

PASP Injection Molding Series C

Power range: 0.05KW~1.0KW

Rated voltage: 220V~380V

Encoder configuration: Absolute encoder, can also support incremental encoder, rotary resolver, etc.

Design: Adopt the injection molding stator, compact structure, low temperature rise and long lifetime.

Application field: Robotics, CNC routers, semiconductor, Packaging, Medical equipment and other fields

PASE High Performance Series D

European flange, 0.1-65KW, 1000-10000rpm

High performance feedback element

Single and double cable design

180 (H) insulation class

Ultra-low inertia/medium inertia, low cogging torque design

Forced air cooling and water cooling design of medium and high power motors

PASH Hollow Shaft Series E

Meet the customization needs of collaborative robots

Require the rotor to adopt a large aperture design

Stator aluminum shell package, follow-up finishing to meet high-precision installation requirements

Epoxy encapsulation improves motor life and insulation performance

Diversified voltage levels and speed design, to achieve full coverage from 24VDC-480VAC

PASD Direct Drive Series F

Torque range: 10-1700Nm

Speed range: 0-1000rpm

Direct load connection, zero backlash and load compliance improve system performance

High-performance feedback elements for extreme accuracy and repeatability

Optional large-diameter hollow shaft structure provides sufficient wiring space

Optional air-cooled and water-cooled designs

PASL Stainless Steel Series G

Rated power: 0.2-2kW, 6000rpm

Select stainless steel AISI316L material. Suitable for environments with the highest standard of corrosion resistance

Smooth surface transition, no hygienic dead corners, easy to wash

The protection level is IP66, and can be customized IP67K or IP69K

Excellent heat dissipation design, less torque derating, speed up to 6000rpm

Special customized type can withstand medium dose radiation

Servo Drive

PSDK Series Servo Drive

PSDL Series Servo Drive

PSDG Series Servo Drive

PSDH Series Servo Drive

PSDF Series Servo Drive

H

Working Principle Of AC Servo Motor

The servo motor converts the voltage signal into two forms of torque and speed to drive the control object. It mainly relies on pulses for positioning, similar to the servo motor will rotate an angle corresponding to a pulse when it receives a pulse, thereby realizing displacement; at the same time, it sends a pulse to the servo system, which echoes the pulse received by the servo motor, making The system will know how many pulses are fired and retracted, so as to precisely control the rotation of the motor and achieve high-precision positioning.

Product Advantage

● Fast Response

The advanced control algorithm greatly improves the system response, with a current loop frequency response of 2.5 kHz and a velocity loop frequency response of 1.6 kHz.

● Higher Accuracy

Support a variety of encoders, the maximum accuracy of 24 bit, high resolution encoder to meet the equipment high-precision positioning control and smooth operation. requirements. E Series are equipped with a dual encoder interface for full closed loop support.

AC Servo Motor Application



CNC



Packaging



Dispenser



Semiconductors



Glass Panel



Robot



Solar



Textile



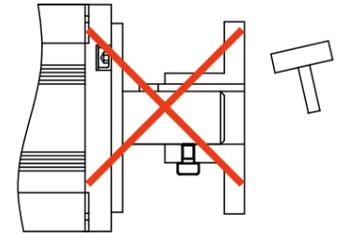
Laser Cutting

Hazard Notes (Most likely Cause Death or Injury)

1. Do not use motor in the place having water, corrosive and flammable gas and near to flammable material.
2. Do not place any flammable material around motor, regenerative resistor and dynamic brake.
3. Do not use motor in the condition of fierce vibration and shock
4. Do not use leading wire which is soaked in oil or water
5. Do not place the motor near heating unit like heater, large coil resistor and so on.
6. Do not connect motor with commercial power directly.
7. Do not wiring and operate equipment with wet hand.
8. Do not damage leading wire or place excessive external force, strong pressure and clamping force on the leading wire.

Precautions (Most likely cause injury or property damage)

1. Do not touch the key in the shaft without protection. Do not ever touch the rotating parts of motor when it is working.
2. Do not run the motor by external force.
3. Do not drag cable or shaft when move motors.
4. Do not drop the motor or place it upside down when move and install the motors.
5. Do not stand on the motor or place any heavy matters on it.
6. Do not use motors with direct sunlight exposure.
7. Avoid strong impact on the motor.
8. Avoid strong impact on motor shaft.
9. Do not use inside retaining brake as the brake to stop motor when it is working loaded.
10. It may start suddenly being resupplied power after power cut. Do not get close to the machine. Keep safe and avoid any accidents when it restarts.
11. Do not ever revise, disassemble and fix the motor by customer themselves.
12. If rotates motor shaft without electrical grounding, motor bearing could be electric corroded and generated louder noise according to the installation environment and equipment. So please confirm and verify.
13. Please consult PrimoPal if the motor will be applied in atomic energy control, aerospace machine, transportation facility medical facility, any other safety equipment or equipment requires purifying degree.
14. If any major accidents or loss will be occurred because of this products' failure, please install safety device.
15. The output shaft dimension of the types with oil seals will have some change. Please mark it when ordering.
16. Do not knock forcefully to avoid damaging the encoder during mounting or dismantling the parts of axial end.
17. In the condition of possible change, the parameter list and outside drawing are only for type choosing. If for designing please consult the actual values.
18. The characteristics of the intermittent duty zone differ depending on the supply voltages.
19. If high-speed response needed, please use it after reducing the running inertia with load.
20. When the main circuit cable length exceeds 20m, note that the intermittent duty zone of the torque-motor speed characteristics will shrink as the line-to-line voltage drops.
18. When a motor is fitted with an oil seal, use the following derating rate because of the higher friction torque.



Installation Suggestion

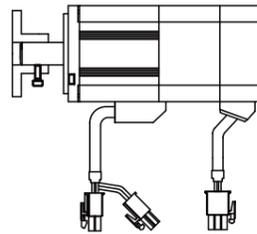
1. The motor should be set in places with less dust and no contact with water, oil, etc.
2. Wiring operations must be carried out by electrical engineering experts. Emergency stop circuits are set up outside to ensure that the power is cut off in time and the power is cut off in time of emergency.
3. Please refer to the correct wiring instructions. The cable should be properly connected and the electrified part must be insulated through insulator.
4. The ground wire of the motor must be grounded.
5. Over current protection, electric leakage, high temperature prevention device and emergency stop device must be set up.
6. When earthquakes occur, it is necessary to set up and install effectively in order to prevent causing fire and personal accidents after the earthquake and must be confirmed in time.
7. Proper installation should be carried out according to the quality of the equipment body and the rated output of the commodity.
8. To follow the specified installation method and the direction.
9. The bolts of the hoisting ring of the motor are only used for motor handling, not for
10. Do not place obstacles that obstruct ventilation around the motor or the equipment.
11. Make sure that the temperature around the motor is in the range of temperature and humidity.
12. Please comply with the specified voltage
13. Safety devices should be set up to cope with the built-in brakes, the air reduction and locking of the reducer, the leakage of the lubricating grease of the reducer.
14. A specified combination of motor and use
15. When it is not used for a long time, the power supply must be cut off.
16. When treating the battery as a waste, please use tape or others to insulate the battery and deal with the battery according to the regulations of the relevant departments.
17. When it is abandoned, please treat it as industrial waste.
18. Some parts will be changed as a result of higher performance.
19. Please note that if you use more than the specifications of this product, there is no guarantee of normal operation of the product.
20. When the machine is designed, the radial load and the axial load in the servomotor operation should be prevented from exceeding the value in the lower table.
21. Motor can be installed vertically or horizontally, but the following requirements must be observed.

① Horizontal installation

- ★ The cable outlet is down to avoid oil and water infiltrates into the motor.

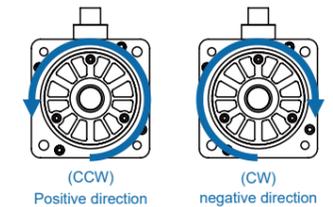
② Vertical installation

- ★ When the motor with the reducer is installed in the axial direction, please use the motor with oil seal to avoid the deceleration of the oil into the motor.



Ambient Environment

1. Ambient temperature: 0~40°C (The temperature is about 5cm away from motor)
2. Ambient humidity: 20%-85% RH (No condensation) (Please pay attention to the condensation when the temperature is reduced and humidity increased.)
3. Storage Temperature: -20~65°C (including transport factors: short time allowable temperatures)
4. Shaving (only motor), low than 0KW: low than 49m/s (25G) during rotating, low than 24.5m/s (22.5G) during stopping; Up than 6.0KW low than 24.5m/s (22.5G) during rotating, low than 24.5m/s (22.5G) during stopping
5. Impacting (only motor), low than 98m/s (210G).
6. Elevation: low than 2000m.
7. Please install it in the room without rain and direct sunlight.
8. No corrosive environment and flammable gas environment, such as hydrogen sulfide, sulphuric acid, chlorine, ammonia chlorinated gas, acid, alkali, salt and so on.
9. Forbid to use this motor in the vicinity of combustibles.
10. No the places with grinding liquid, oil mist, iron powder, iron dust and so on.
11. Keep good ventilation, no moisture, oil, water intrusion, away from the stove and other heat source.
12. Easy to checked and cleaned the place.
13. The place without vibrate.
14. Do not use the motor in a closed environment, the closed environment will lead to high temperature of the motor and shorten the service life



Note: the initial direction of rotation is defined as the positive direction (CCW) and the negative direction (CW); CCW is means that the axis counter clockwise rotation from the axis direction. and the CW is clockwise rotation

Maintenance & Inspection

1. Please maintain and check the safety and the use of the motor regularly.

2. Precautions of maintenance and inspection.

- ① The power cut off the operator to operate on its own. Do not approach the motor and the machine that drives when the wrong action occurs during the process.
- ② In the short time after the power is cut off, the motor does not stop turning, please wait for a while, the motor will stop completely and then operate on its own.
- ③ When the parameters of the motor are measured, keep the motor shaft still; Do not contact the motor to avoid electric shock when measuring the anti-electric potential.
- ④ Please do not use gasoline, thinner, alcohol, acid and alkaline cleaning agent to avoid color or breakage of the shell.

3. The item of inspection and cycle.

4. Normal conditions of use.

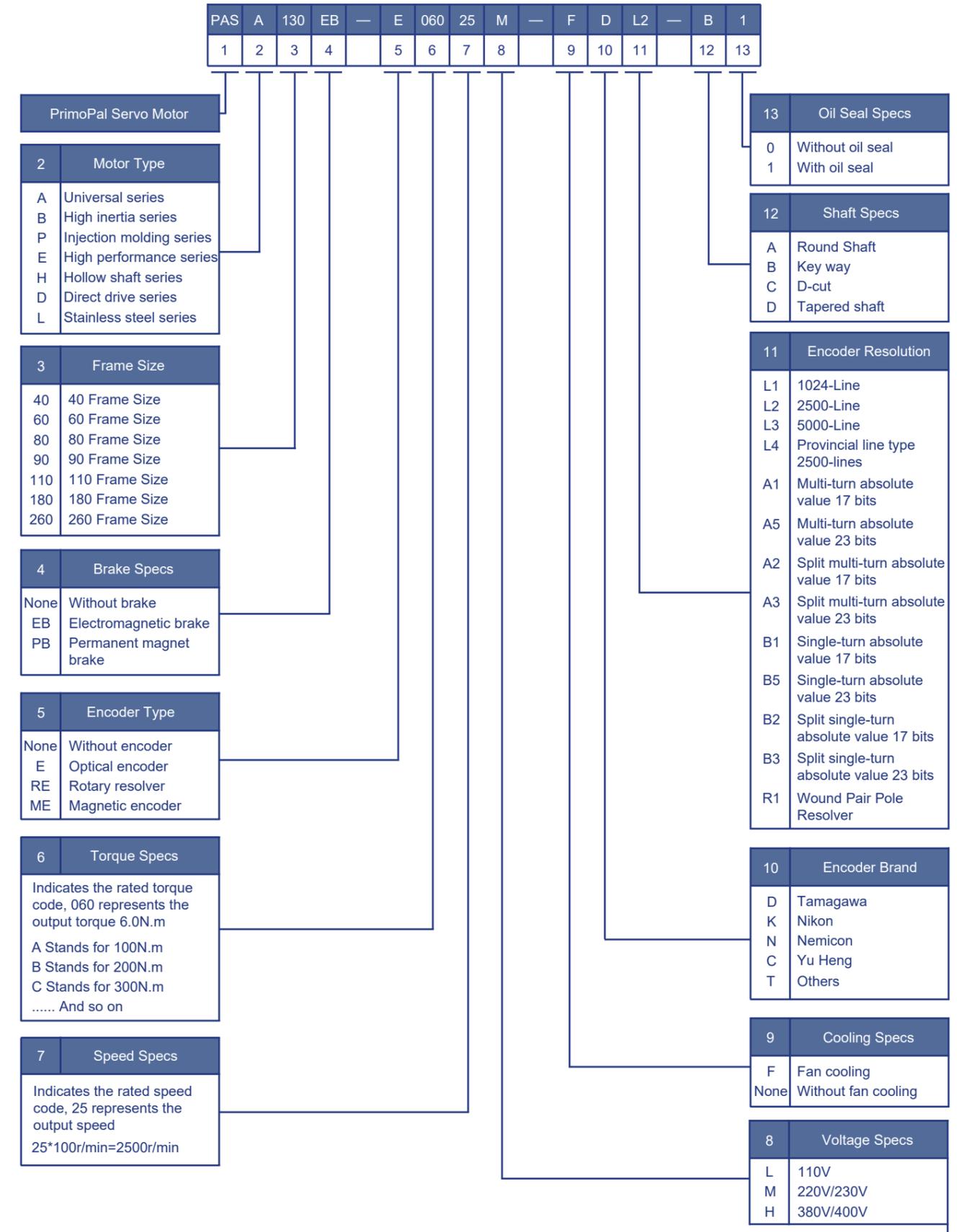
Environmental conditions for the annual average temperature is 30°C, load rate is below 80%, daily running time below 20 hours.

5. Routine and regular inspection shall be according to the following items.

Differentiate	Examination Period	Inspection Item
Routine inspection	Week	<ul style="list-style-type: none"> ● If the motor has abnormal vibration and abnormal sound. ● If the motor has peculiar smell. ● If the wiring is damaged. ● If the connecting part of the device and the device has loose and deflector core. ● If the motor has foreign material in the load.
Regular Inspection	Year	<ul style="list-style-type: none"> ● Loose the fastening parts ● If there are signs of overheating. ● If flange face has been damaged ● Whether the motor fastening part is loose

With respected to periodic inspection, the period of inspection will change as the above conditions change

Servo Motor Part Number Naming Rule



PASA

Universal Series

A



Key Features

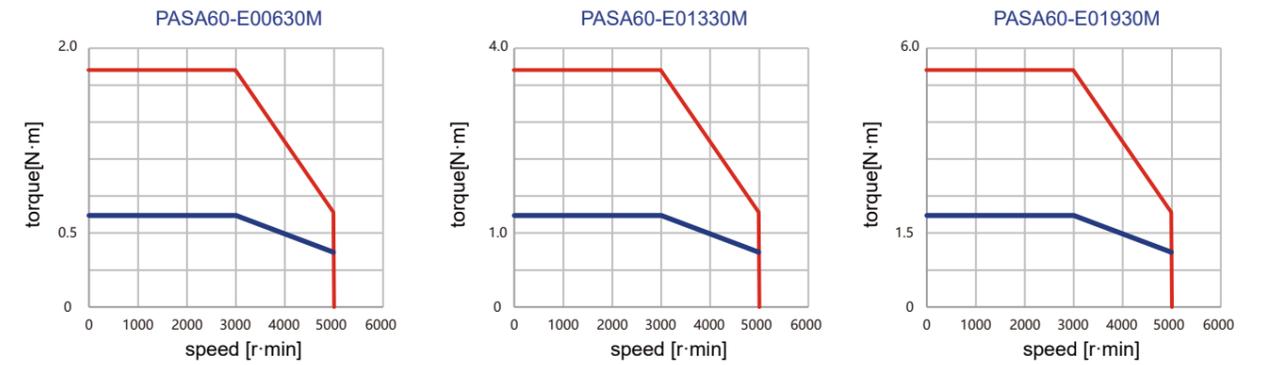
- Power range: 0.2KW~71.2KW
- Rated voltage: 220V~380V
- Encoder configuration: Incremental encoder, can also support absolute encoder, rotary resolver, etc
- Application field: Horizontal looms, embroidery machines, printing machinery , CNC machine tools, automation, wood carving and other fields

PASA60 Universal Series



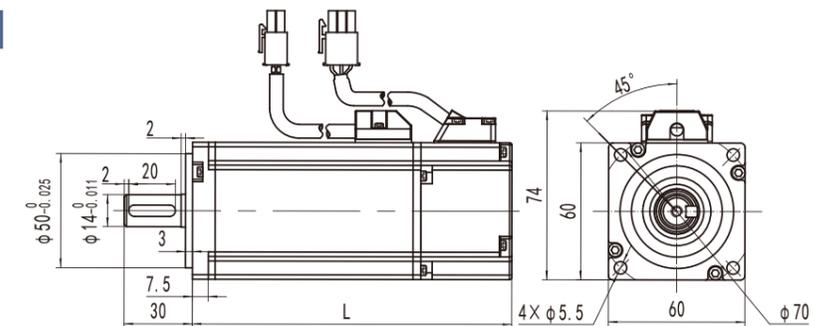
Model		PASA60-E00630M	PASA60-E01330M	PASA60-E01930M												
Rated Power	W	200	400	600												
Rated Voltage	VAC	220	220	220												
Rated Current	A	1.2	2.8	3.5												
Rated Torque	N.m	0.637	1.27	1.91												
Rated Speed	r/min	3000	3000	3000												
Peak Current	A	3.6	8.4	10.5												
Peak Torque	N.m	1.91	3.81	5.73												
Peak Speed	r/min	5000	5000	5000												
Voltage Constant	V/1000r/min	31	29.7	34												
Torque Coefficient	N.m/A	0.53	0.45	0.55												
Line-Line Resistance	Ω	6.18	2.35	1.93												
Line-Line Inductance	mH	29.3	14	10.7												
Electrical Time-Constant	ms	4.74	5.95	5.5												
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	0.175	0.29	0.39												
Weight	kg	1.17	1.7	2.1												
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

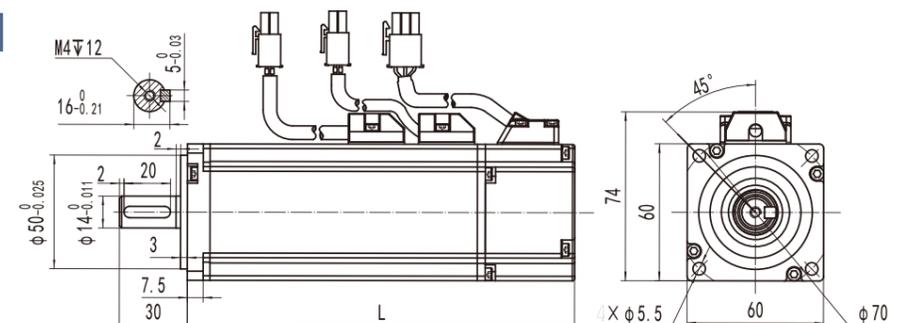


Dimensions	200W	400W	600W
L Without Brake (mm)	115	140	168
L With Brake (mm)	147	171	199

Without Brake



With Brake

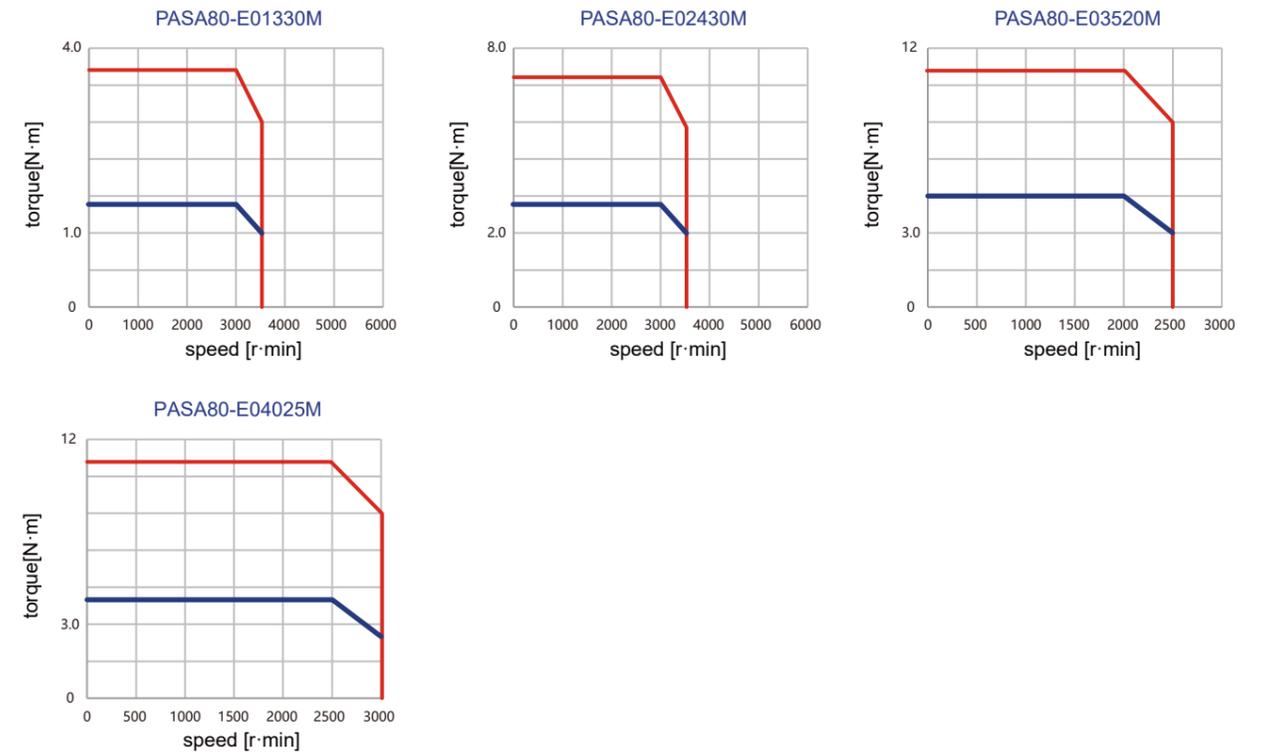


PASA80 Universal Series



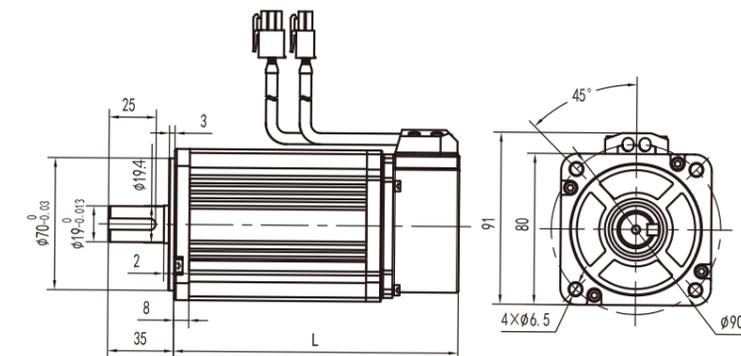
Model		PASA80-E01330M	PASA80-E02430M	PASA80-E03520M	PASA80-E04025M											
Rated Power	W	400	750	730	1000											
Rated Voltage	VAC	220	220	220	220											
Rated Current	A	2	3	3	4.4											
Rated Torque	N.m	1.27	2.39	3.5	4											
Rated Speed	r/min	3000	3000	2000	2500											
Peak Current	A	6	9	9	13.2											
Peak Torque	N.m	3.8	7.1	10.5	12											
Peak Speed	r/min	3500	3500	2500	3000											
Voltage Constant	V/1000r/min	40	48	68	55											
Torque Coefficient	N.m/A	0.64	0.8	1.17	0.91											
Line-Line Resistance	Ω	2.5	2.2	2.7	1.6											
Line-Line Inductance	mH	16	15.7	22	11.8											
Electrical Time-Constant	ms	6.4	7	8	7.4											
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	0.95	1.4	2.4	2.7											
Weight	kg	1.75	2.85	3.55	3.95											
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

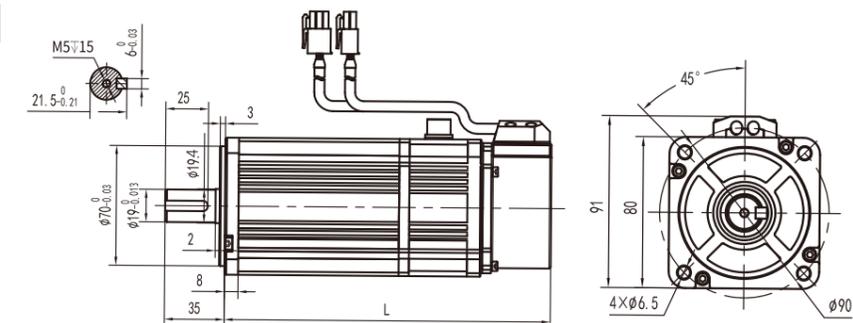


Dimensions	400W	750W	730W	1000W
L Without Brake (mm)	124	151	179	191
L With Brake (mm)	164	191	219	231

Without Brake



With Brake

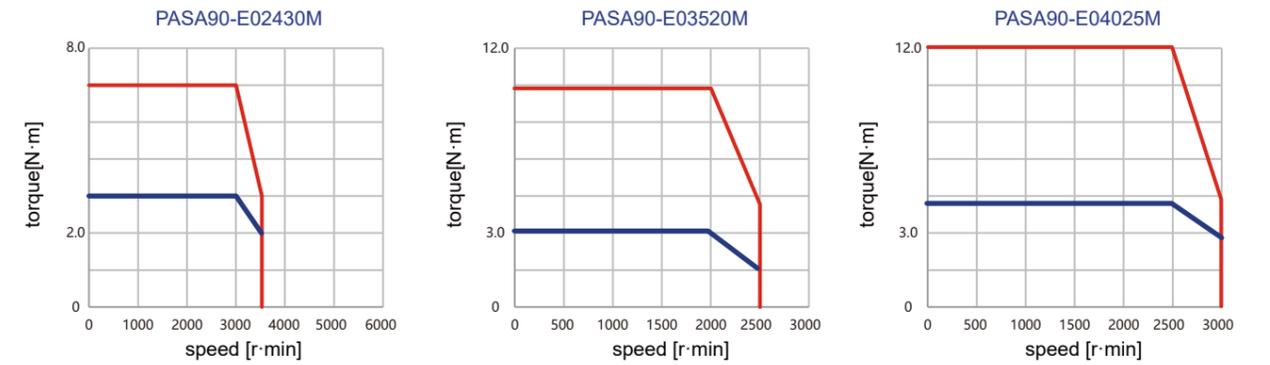


PASA90 Universal Series



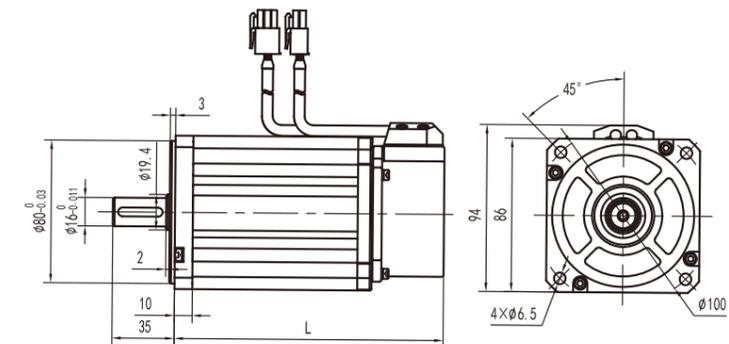
Model		PASA90-E02430M	PASA90-E03520M	PASA90-E04025M												
Rated Power	W	750	730	1000												
Rated Voltage	VAC	220	220	220												
Rated Current	A	3	3	4												
Rated Torque	N.m	2.39	3.5	4												
Rated Speed	r/min	3000	2000	2500												
Peak Current	A	9	9	12												
Peak Torque	N.m	7.2	10.5	12												
Peak Speed	r/min	3500	2500	3000												
Voltage Constant	V/1000r/min	51.5	71	64.5												
Torque Coefficient	N.m/A	0.8	1.17	1												
Line-Line Resistance	Ω	2.05	2.45	1.99												
Line-Line Inductance	mH	13.25	18.67	13.75												
Electrical Time-Constant	ms	6.5	7.6	6.9												
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	2.62	3.2	3.57												
Weight	kg	3	3.7	4.1												
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

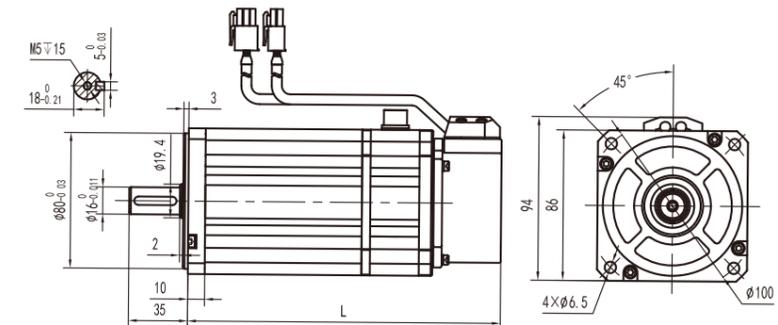


Dimensions	750W	730W	1000W
L Without Brake (mm)	150	172	182
L With Brake (mm)	198	220	230

Without Brake



With Brake

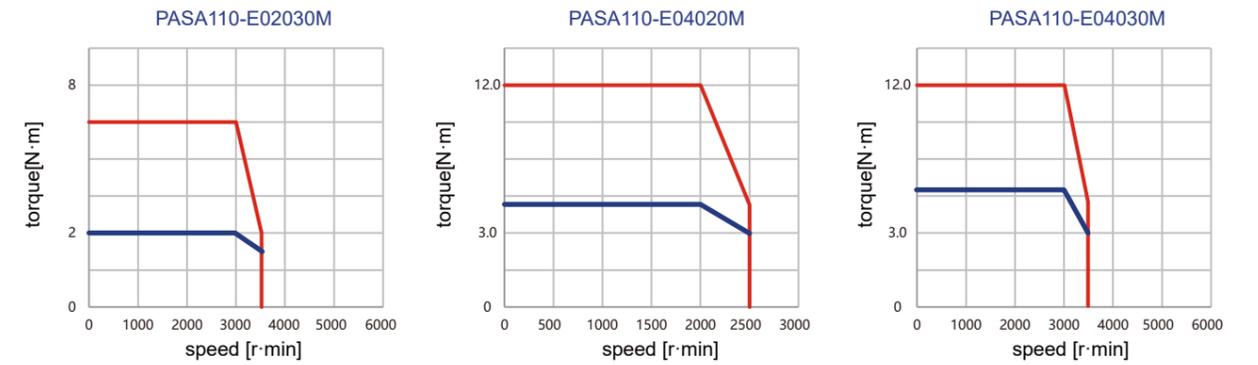


PASA110 Universal Series



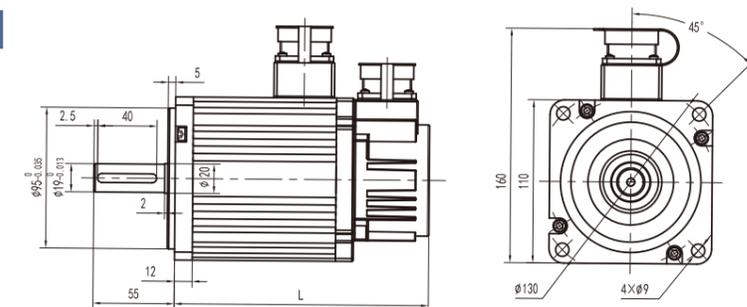
Model		PASA110-E02030M	PASA110-E04020M	PASA110-E04030M												
Rated Power	W	600	800	1200												
Rated Voltage	VAC	220	220	220												
Rated Current	A	2.5	3.5	5												
Rated Torque	N.m	2	4	4												
Rated Speed	r/min	3000	2000	3000												
Peak Current	A	7.5	10.5	15												
Peak Torque	N.m	6	12	12												
Peak Speed	r/min	3500	2500	3500												
Voltage Constant	V/1000r/min	53.5	79	56.5												
Torque Coefficient	N.m/A	0.8	1.14	0.8												
Line-Line Resistance	Ω	3.13	2.49	1.48												
Line-Line Inductance	mH	13.1	12.26	6.9												
Electrical Time-Constant	ms	4.2	4.9	4.7												
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	4	7.3	7.3												
Weight	kg	3.8	5.2	5.2												
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

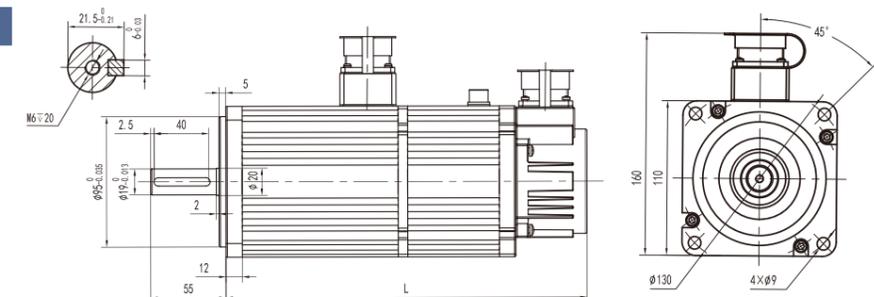


Dimensions	600W	800W	1200W
L Without Brake (mm)	159	189	189
L With Brake (mm)	233	263	263

Without Brake



With Brake

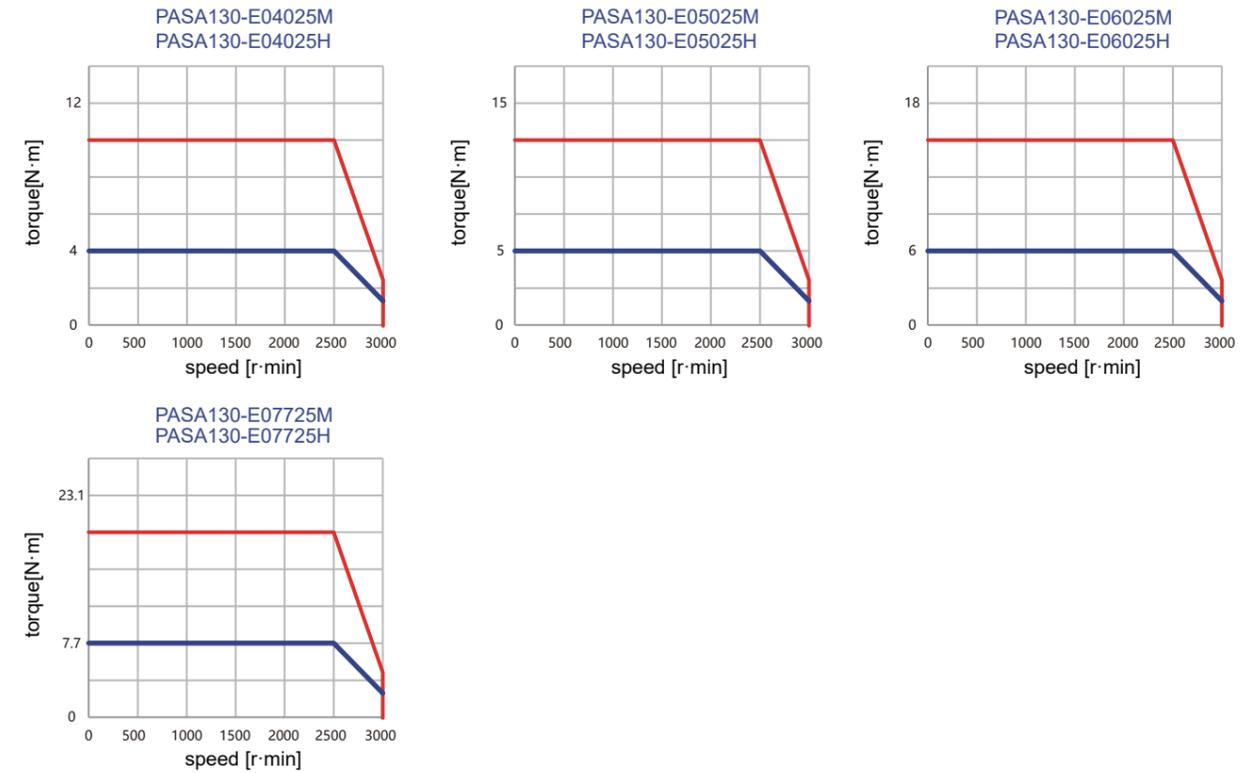


PASA130 Universal Series 4.0-7.7N.m



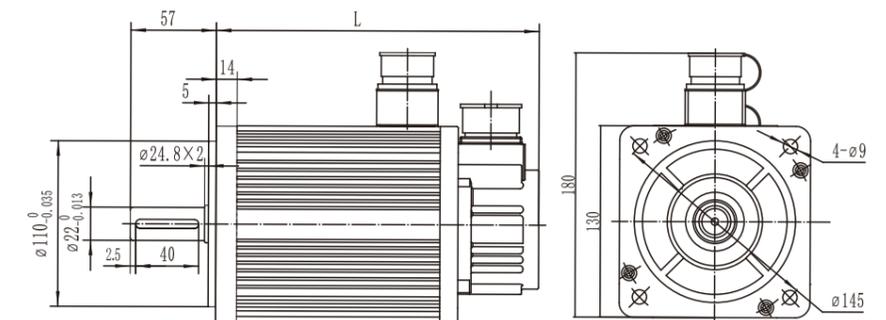
Model		PASA130 -E04025M	PASA130 -E04025H	PASA130 -E05025M	PASA130 -E05025H	PASA130 -E06025M	PASA130 -E06025H	PASA130 -E07725M	PASA130 -E07725H							
Rated Power	KW	1.0	1.0	1.3	1.3	1.5	1.5	2.0	2.0							
Rated Voltage	VAC	220	380	220	380	220	380	220	380							
Rated Current	A	4	2.5	6	3	6	4	7.5	5.3							
Rated Torque	N.m	4	4	5	5	6	6	7.7	7.7							
Rated Speed	r/min	2500	2500	2500	2500	2500	2500	2500	2500							
Peak Current	A	10	6.3	12.5	7.5	15	10	18.7	13.2							
Peak Torque	N.m	10	10	12.5	12.5	15	15	19.2	19.2							
Peak Speed	r/min	3000	3000	3000	3000	3000	3000	3000	3000							
Voltage Constant	V/1000r/min	67	108	65	108	65	108	68	100							
Torque Coefficient	N.m/A	1	1.6	1	1.67	1	1.5	1.03	1.45							
Line-Line Resistance	Ω	2	5.3	1.6	4.3	1.3	3.1	1.2	2							
Line-Line Inductance	mH	9.5	29.5	8	26	6.2	17.1	5.8	12							
Electrical Time-Constant	ms	4.75	5.6	5	6	4.8	5.5	4.8	6							
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	9.6	9.6	10.7	10.7	12.9	12.9	14.1	14.1							
Weight	kg	5.5	5.5	5.8	5.8	6.6	6.6	7.1	7.1							
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE		U				V		W						
	Socket Number	1		2				3		4						
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

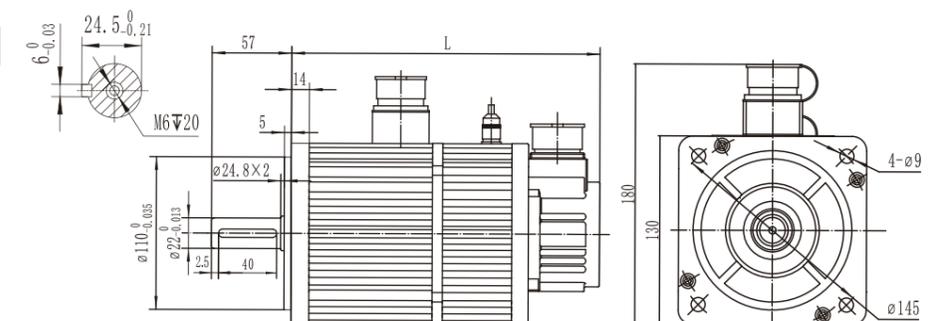


Dimensions	1.0KW	1.3KW	1.5KW	2.0KW
L Without Brake (mm)	166	171	179	192
L With Brake (mm)	224	224	224	229

Without Brake



With Brake

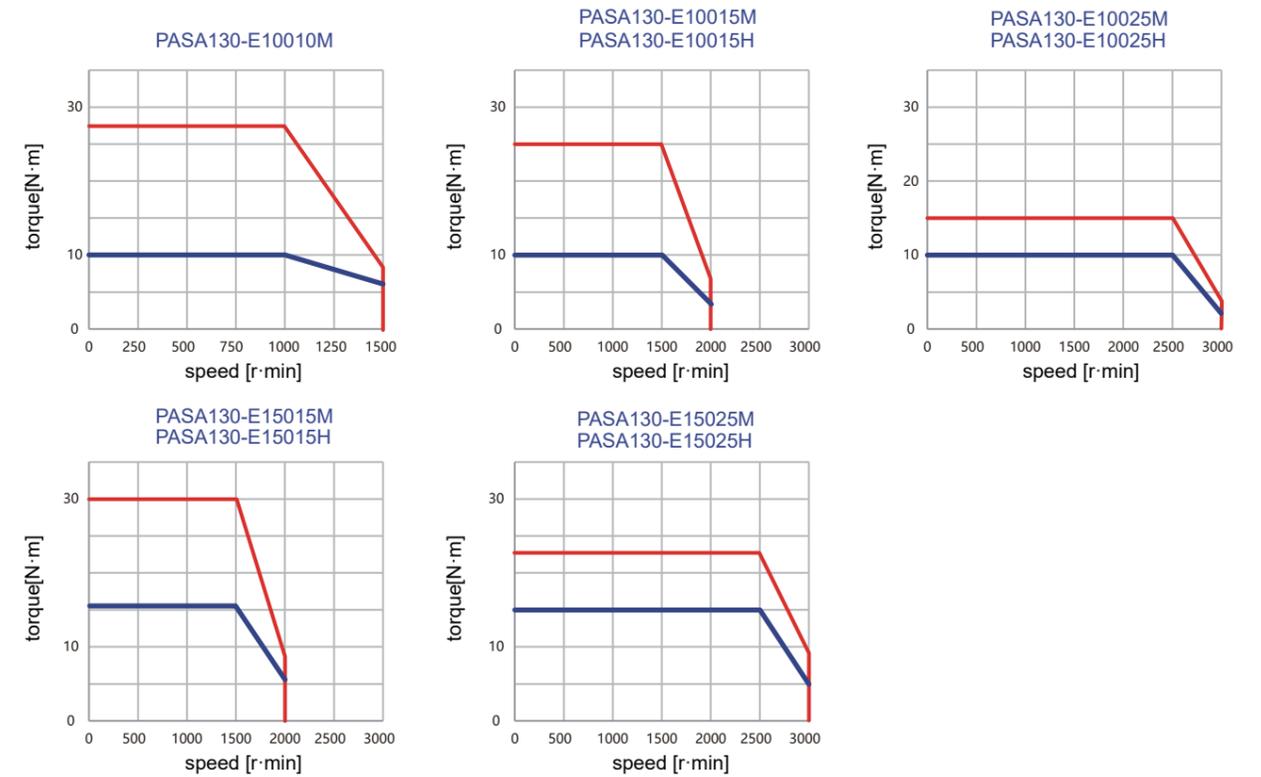


PASA130 Universal Series 10.0-15.0N.m



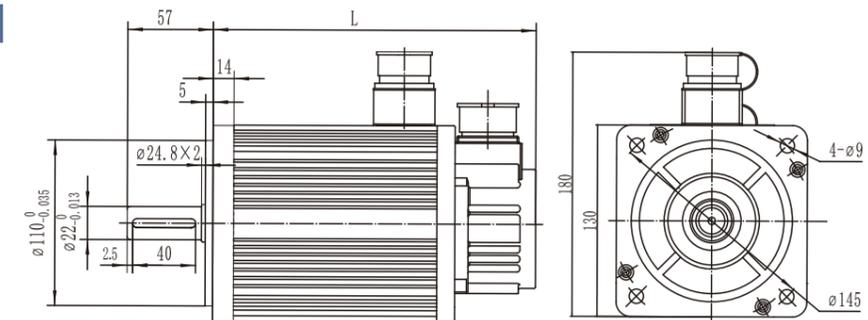
Model		PASA130 -E10010M	PASA130 -E10015M	PASA130 -E10015H	PASA130 -E10025M	PASA130 -E10025H	PASA130 -E15015M	PASA130 -E15015H	PASA130 -E15025M	PASA130 -E15025H						
Rated Power	KW	1.0	1.5	1.5	2.6	2.6	2.3	2.3	3.8	3.8						
Rated Voltage	VAC	220	220	380	220	380	220	380	220	380						
Rated Current	A	4.5	6	4	10	6	9.5	5	13.5	9.5						
Rated Torque	N.m	10	10	10	10	10	15	15	15	15						
Rated Speed	r/min	1000	1500	1500	2500	2500	1500	1500	2500	2500						
Peak Current	A	12.6	15	10	18	10.8	19	10	20.7	14.6						
Peak Torque	N.m	28	25	25	18	18	30	30	23	23						
Peak Speed	r/min	1500	2000	2000	3000	3000	2000	2000	3000	3000						
Voltage Constant	V/1000r/min	143	108	178	67	108	107	180	70	108						
Torque Coefficient	N.m/A	2.2	1.67	2.5	1	1.67	1.58	3	1.11	1.57						
Line-Line Resistance	Ω	2.6	1.85	4.2	0.8	1.8	1.25	3.2	0.6	1.3						
Line-Line Inductance	mH	16.9	9.9	25	3.6	9.4	7.1	19	3	7.6						
Electrical Time-Constant	ms	6.5	5.4	6	4.5	5.2	5.7	6	5	5.8						
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	18.8	18.8	18.8	18.8	18.8	25.5	25.5	25.5	25.5						
Weight	kg	8.5	8.5	8.5	8.5	8.5	10.1	10.1	10.1	10.1						
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE			U			V			W					
	Socket Number	1			2			3			4					
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

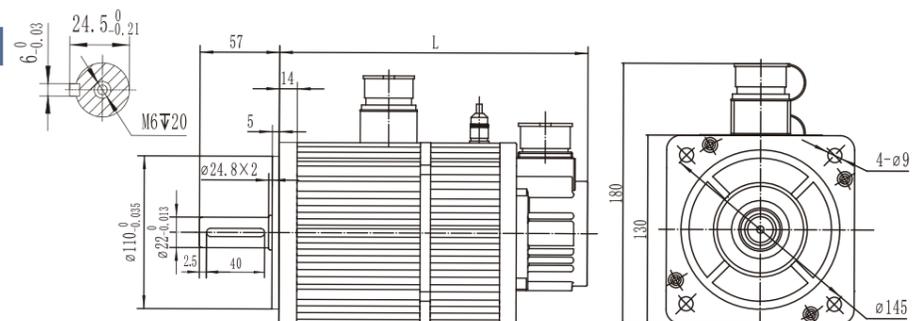


Dimensions	1.0KW	1.5KW	2.6KW	2.3KW	3.8KW
L Without Brake (mm)	209	209	209	231	231
L With Brake (mm)	265	265	265	282	282

Without Brake



With Brake

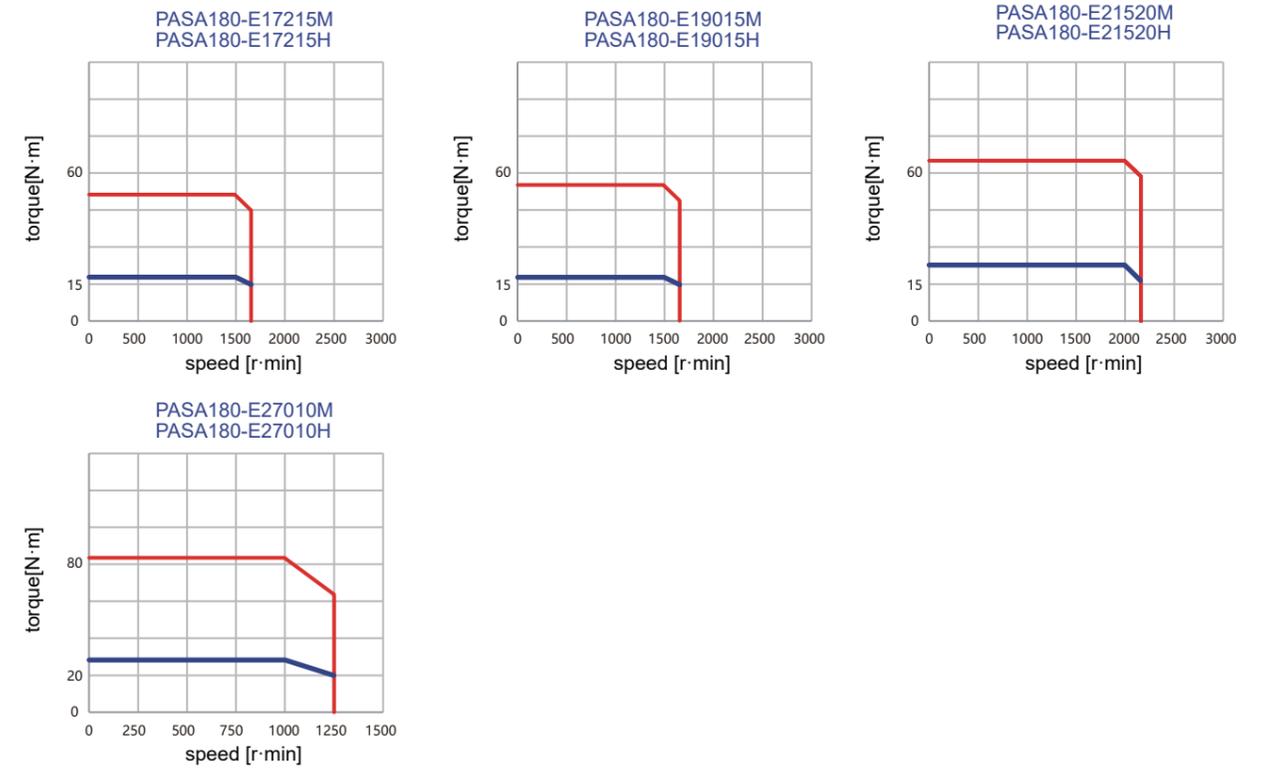


PASA180 Universal Series 17.2-27.0N.m



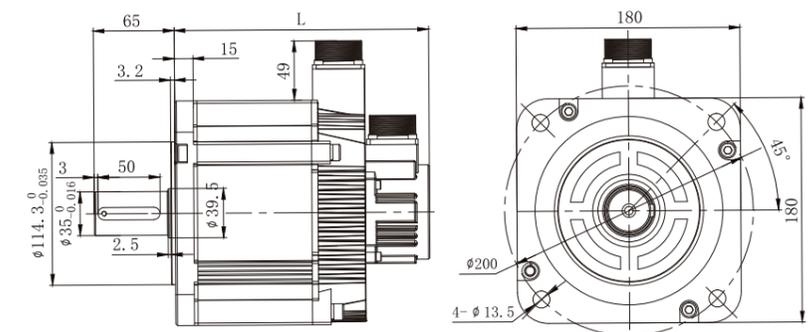
Model		PASA180 -E17215M	PASA180 -E17215H	PASA180 -E19015M	PASA180 -E19015H	PASA180 -E21520M	PASA180 -E21520H	PASA180 -E27010M	PASA180 -E27010H							
Rated Power	KW	2.7	2.7	3.0	3.0	4.5	4.5	2.9	2.9							
Rated Voltage	VAC	220	380	220	380	220	380	220	380							
Rated Current	A	10.5	6.5	12	7.5	16	9.5	12	7.5							
Rated Torque	N.m	17.2	17.2	19	19	21.5	21.5	27	27							
Rated Speed	r/min	1500	1500	1500	1500	2000	2000	1000	1000							
Peak Current	A	31.5	19.5	36	22.5	48	28.5	36	22.5							
Peak Torque	N.m	51.6	51.6	57	57	64.5	64.5	81	81							
Peak Speed	r/min	1650	1650	1800	1800	2150	2150	1250	1250							
Voltage Constant	V/1000r/min	110	166	95	166	84	140	146	241							
Torque Coefficient	N.m/A	1.64	2.65	1.58	2.53	1.34	2.26	2.25	3.6							
Line-Line Resistance	Ω	0.74	1.64	0.46	1.33	0.28	0.84	0.67	1.67							
Line-Line Inductance	mH	7.1	16	4.4	14.2	2.8	8.4	7	18							
Electrical Time-Constant	ms	9.6	9.8	9.6	10.7	10	10	10.4	10.8							
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	56.1	56.1	63.5	63.5	72.7	72.7	88.5	88.5							
Weight	kg	15.4	15.4	16.7	16.7	18.4	18.4	21.1	21.1							
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE		U		V		W								
	Socket Number	1		2		3		4								
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

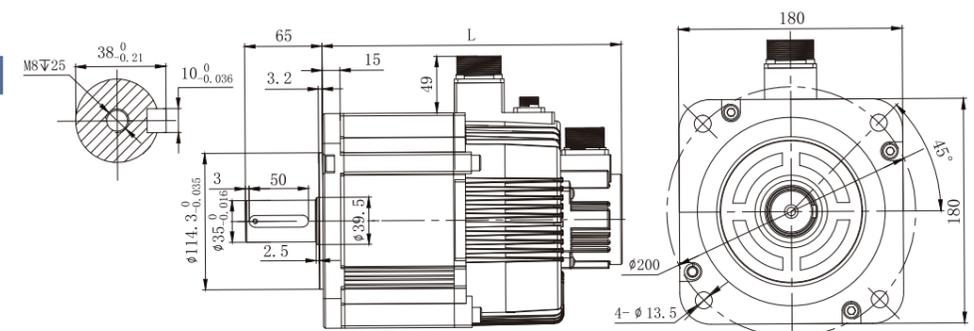


Dimensions	2.7KW	3KW	4.5KW	2.9KW
L Without Brake (mm)	197	205	215	232
L With Brake (mm)	224	252	262	279

Without Brake



With Brake

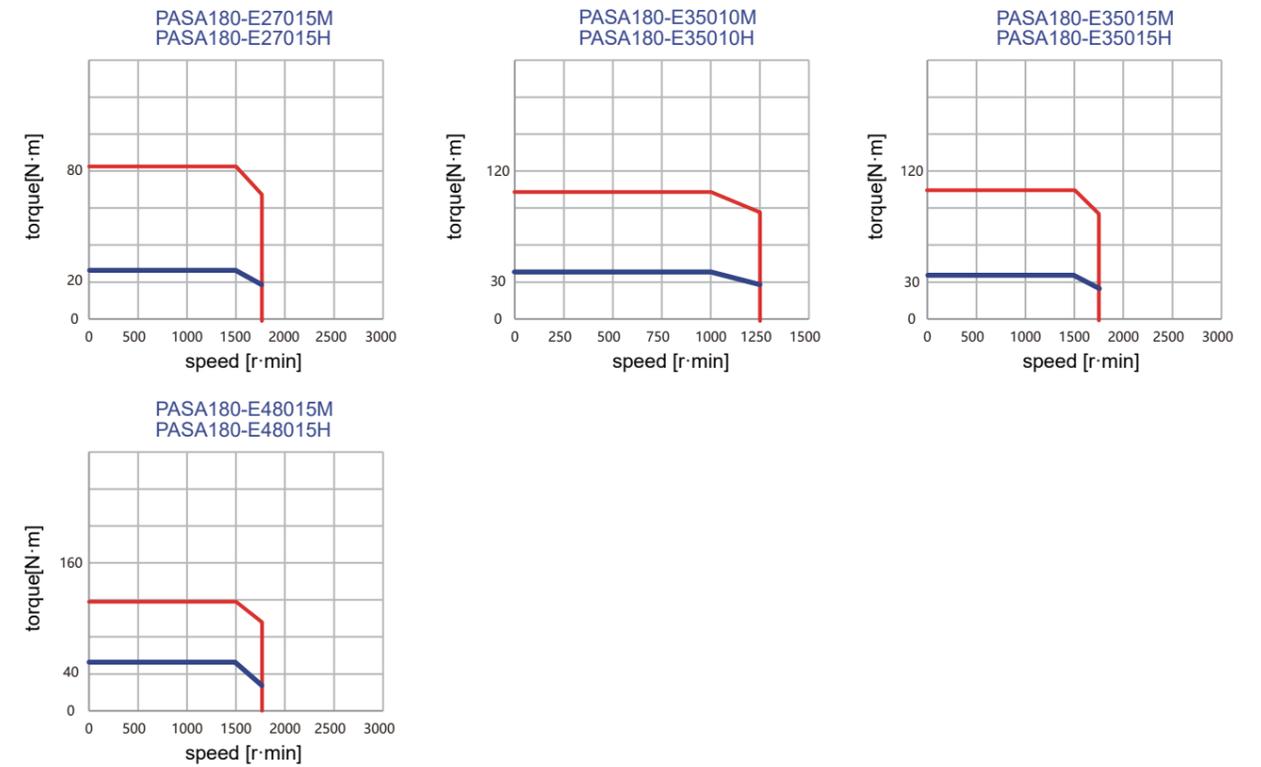


PASA180 Universal Series 27.0-48.0N.m



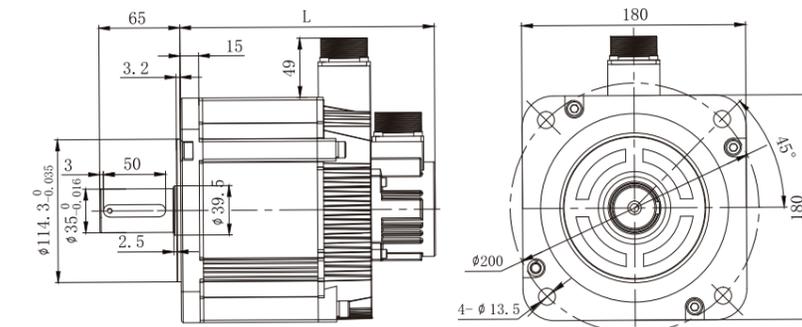
Model		PASA180 -E27015M	PASA180 -E27015H	PASA180 -E35010M	PASA180 -E35010H	PASA180 -E35015M	PASA180 -E35015H	PASA180 -E48015M	PASA180 -E48015H							
Rated Power	KW	4.3	4.3	3.7	3.7	5.5	5.5	7.5	7.5							
Rated Voltage	VAC	220	380	220	380	220	380	220	380							
Rated Current	A	16	10	16	10	24	12	32	20							
Rated Torque	N.m	27	27	35	35	35	35	48	48							
Rated Speed	r/min	1500	1500	1000	1000	1500	1500	1500	1500							
Peak Current	A	48	30	48	30	72	36	80	50							
Peak Torque	N.m	81	81	105	105	105	105	120	120							
Peak Speed	r/min	1750	1750	1250	1250	1750	1750	1750	1750							
Voltage Constant	V/1000r/min	103	172	140	226	88	181	104	171							
Torque Coefficient	N.m/A	1.69	2.7	2.19	3.5	1.46	2.92	1.5	2.4							
Line-Line Resistance	Ω	0.32	0.5	0.46	1.1	0.17	0.78	0.14	0.56							
Line-Line Inductance	mH	3	5.3	5.1	11.3	1.9	8	1.5	6.1							
Electrical Time-Constant	ms	9.4	10.6	11.1	10.3	11.2	10.3	10.7	10.9							
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	88.5	88.5	114.4	114.4	114.4	114.4	137.3	137.3							
Weight	kg	21.1	21.1	25.6	25.6	25.6	25.6	30.8	30.8							
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE		U		V		W								
	Socket Number	1		2		3		4								
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

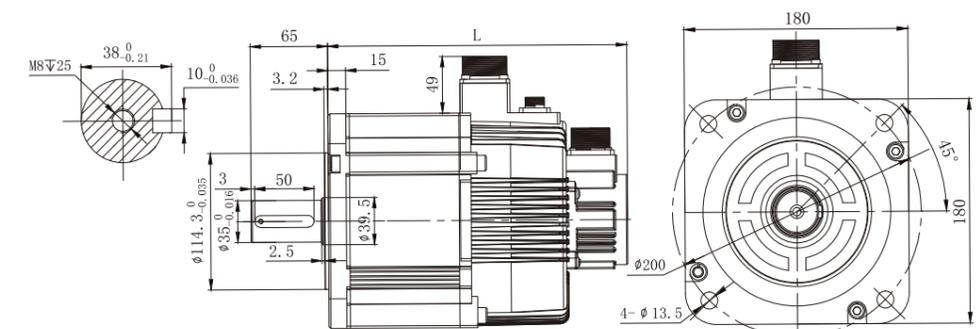


Dimensions	4.3KW	3.7KW	5.5KW	7.5KW
L Without Brake (mm)	232	260	260	305
L With Brake (mm)	279	307	307	352

Without Brake



With Brake

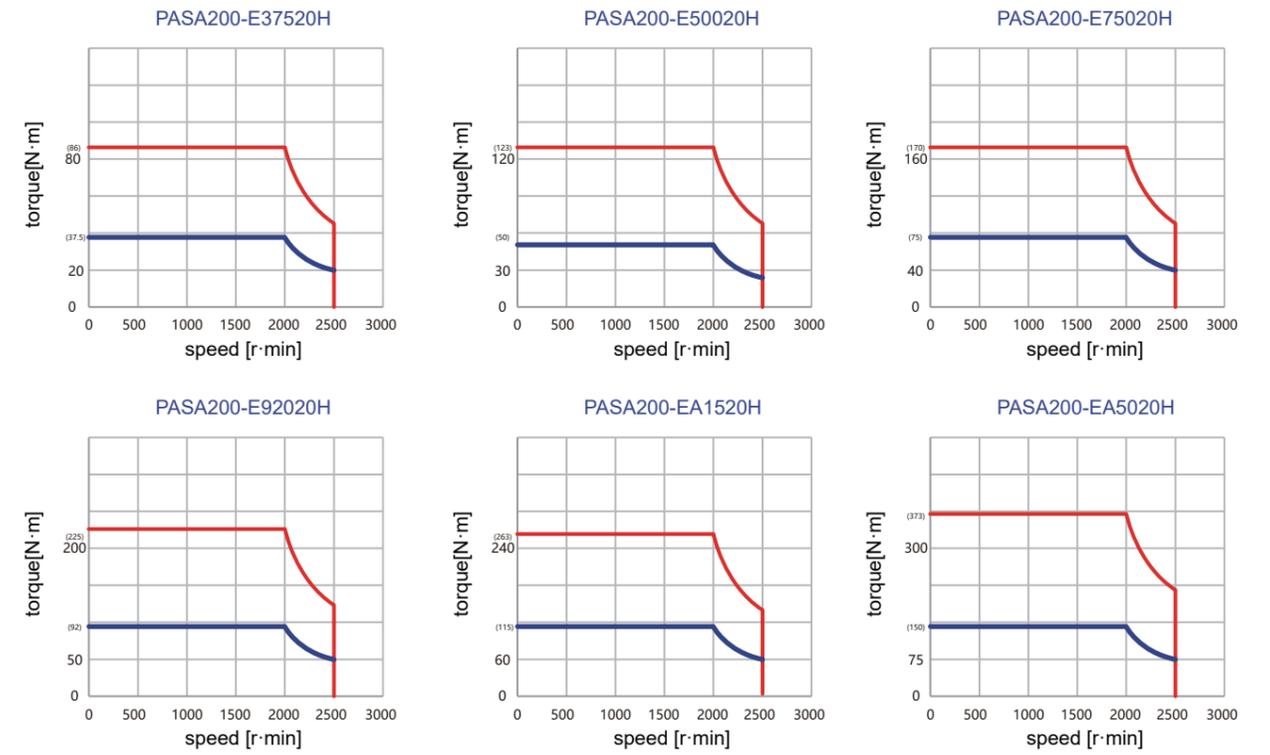


PASA200 Universal Series

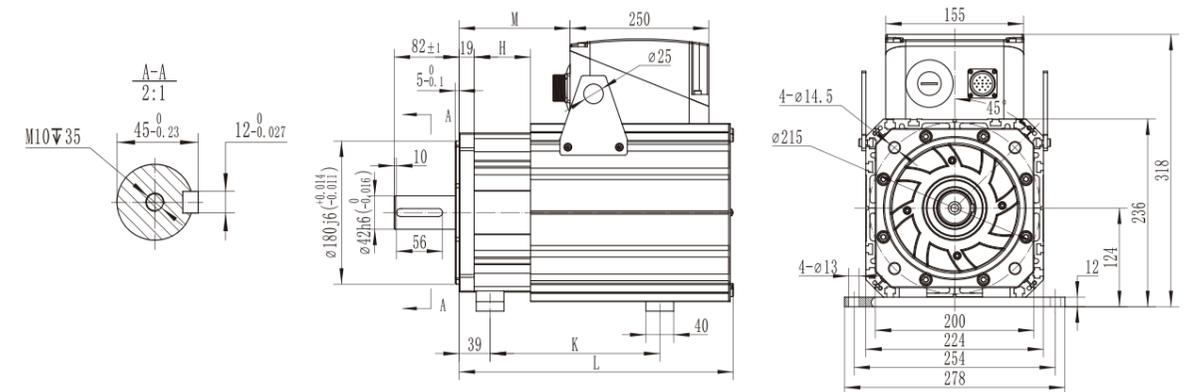


Model		PASA200 -E37520H	PASA200 -E50020H	PASA200 -E75020M	PASA200 -E92020H	PASA200 -EA1520M	PASA200 -EA5020H									
Rated Power	KW	7.9	10.5	15.7	19.3	24.1	31.4									
Rated Voltage	VAC	380	380	380	380	380	380									
Rated Current	A	13.8	17.5	26.2	33	40.2	52.4									
Rated Torque	N.m	37.5	50	75	92	115	150									
Rated Speed	r/min	2000	2000	2000	2000	2000	2000									
Peak Current	A	35.2	49.2	67	90	101.3	150									
Peak Torque	N.m	86	123	170	225	263	373									
Peak Speed	r/min	2500	2500	2500	2500	2500	2500									
Voltage Constant	V/1000r/min	170	168	167	173	169	168									
Torque Coefficient	N.m/A	3	3.1	3.1	3	3.1	3.1									
Line-Line Resistance	Ω	574	360	231	152	130	93									
Ld	mH	11.5	5.95	5.1	11.3	1.9	8									
Lq	mH	22.5	9.63	7.67	5.61	4.82	3.84									
Electrical Time-Constant	ms	20	16.5	20.5	22.8	22.9	24.8									
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	60	75	90	105	120	150									
Weight	kg	37.2	45.2	51.9	59	66	79.8									
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE		U		V		W								
	Socket Number	1		2		3		4								
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram



Dimensions	7.9KW	10.5KW	15.7KW	19.3KW	24.1KW	31.4KW
L (mm)	341	375	409	444	481	552
K (mm)	258	258	312	354	395	471
H (mm)	65	65	115	115	115	115
M (mm)	74	74	112	147	184	254



PASB

High Inertia Series

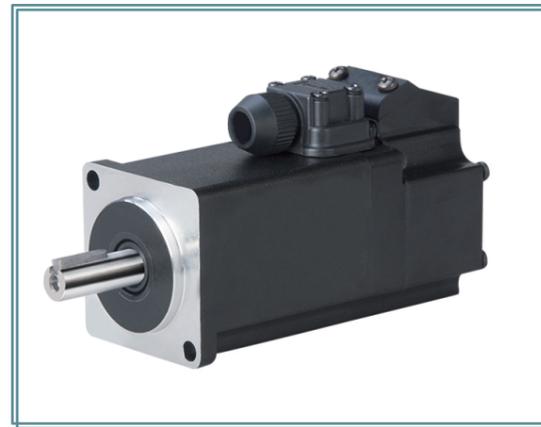
B



Key Features

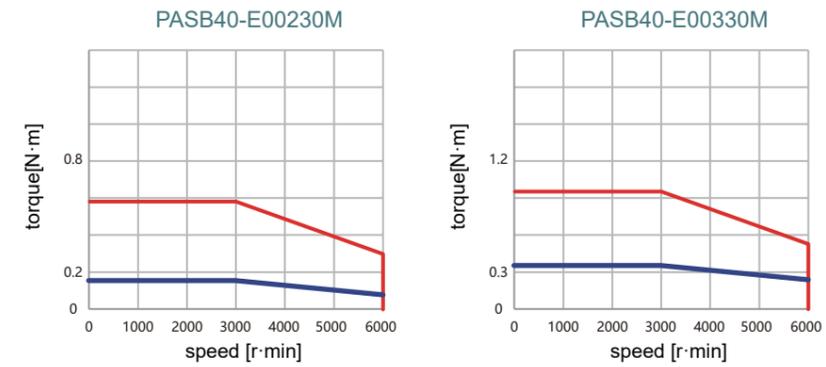
- Power range: 200W~7.5KW
- Rated voltage: 220V~380VAC
- Encoder configuration: Absolute encoder, can also support incremental encoder, rotary resolver, etc.
- Design: Adopt the whole process, compact structure, short body and small volume
- Application field: Joint robot, reclaiming robot, logistics system, engraving and milling CNC and other fields

PASB40 High Inertia Series



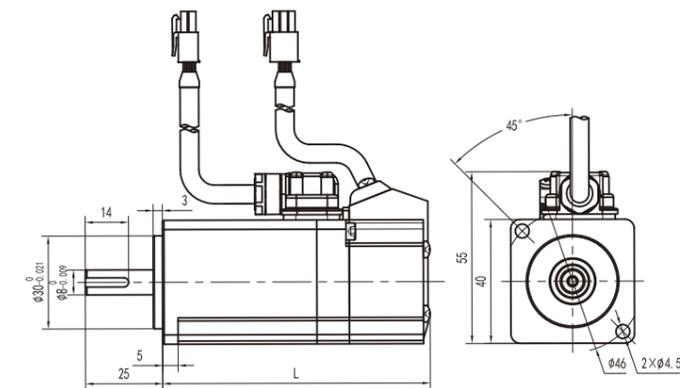
Model		PASB40-E00230M		PASB40-E00330M												
Rated Power	W	50		100												
Rated Voltage	VAC	220		220												
Rated Current	A	0.8		1												
Rated Torque	N.m	0.16		0.32												
Rated Speed	r/min	3000		3000												
Peak Current	A	2.8		3.0												
Peak Torque	N.m	0.56		0.96												
Peak Speed	r/min	6000		6000												
Voltage Constant	V/1000r/min	18		19												
Torque Coefficient	N.m/A	0.2		0.32												
Line-Line Resistance	Ω	19.7		14.5												
Line-Line Inductance	mH	41		13.7												
Electrical Time-Constant	ms	2.1		0.94												
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	0.035		0.05												
Weight	kg	0.4		0.55												
Number Of Pole Pairs		5 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

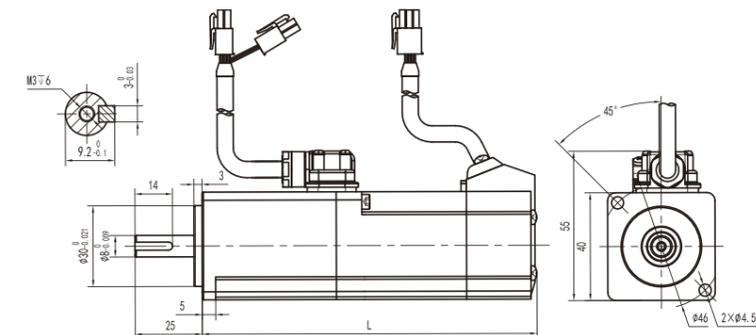


Dimensions	50W	100W
L Without Brake (mm)	68.5	79.5
L With Brake (mm)	101.5	112.5

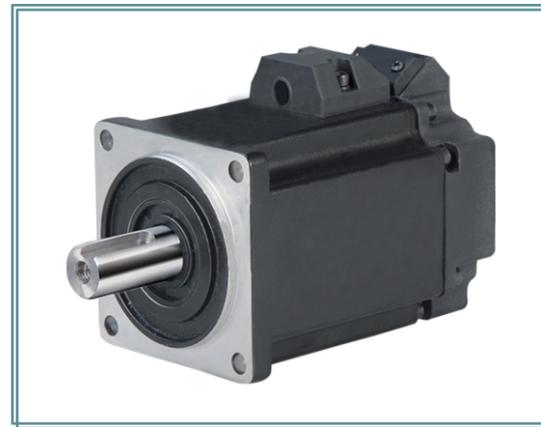
Without Brake



With Brake

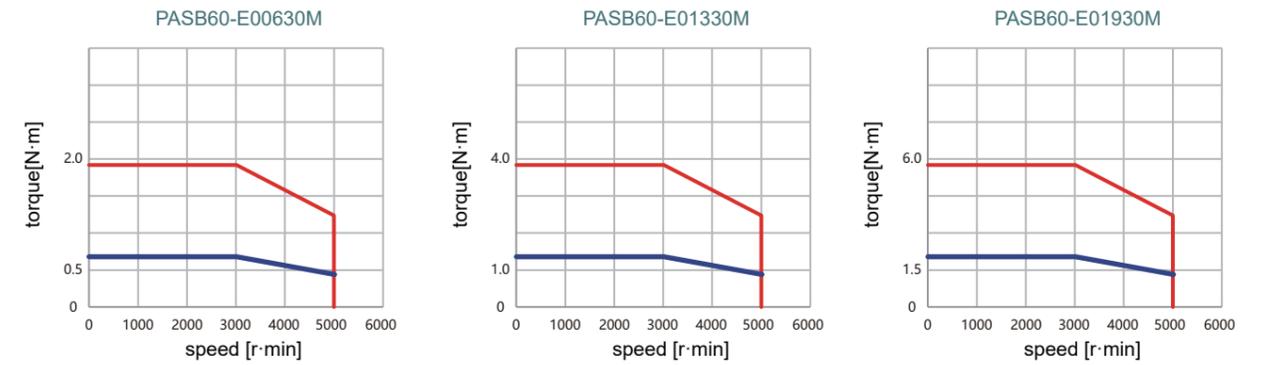


PASB60 High Inertia Series



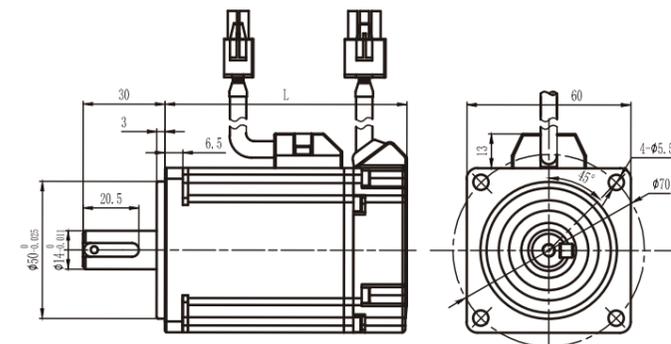
Model		PASA60-E00630M	PASB60-E01330M	PASB60-E01930M												
Rated Power	W	200	400	600												
Rated Voltage	VAC	220	220	220												
Rated Current	A	1.4	2.8	4.2												
Rated Torque	N.m	0.64	1.27	1.91												
Rated Speed	r/min	3000	3000	3000												
Peak Current	A	4.2	8.4	12.6												
Peak Torque	N.m	1.92	3.81	5.73												
Peak Speed	r/min	5000	5000	5000												
Voltage Constant	V/1000r/min	31.7	31.4	31.3												
Torque Coefficient	N.m/A	0.46	0.45	0.45												
Line-Line Resistance	Ω	8	3.6	1.8												
Line-Line Inductance	mH	8.9	4	2.2												
Electrical Time-Constant	ms	1.1	1.1	1.2												
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	0.29	0.53	0.81												
Weight	kg	1	1.3	1.7												
Number Of Pole Pairs		5 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

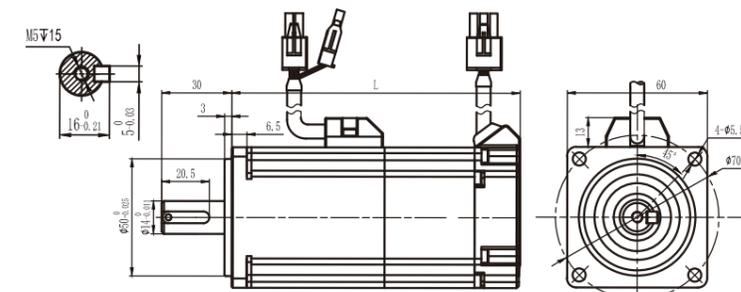


Dimensions	200W		400W		600W	
	Regular	Short Type	Regular	Short Type	Regular	Short Type
L Without Brake (mm)	96.2	77.2	112.7	93.7	139.3	120.3
L With Brake (mm)	128.2	109.2	144.7	125.7	176.3	157.3

Without Brake



With Brake

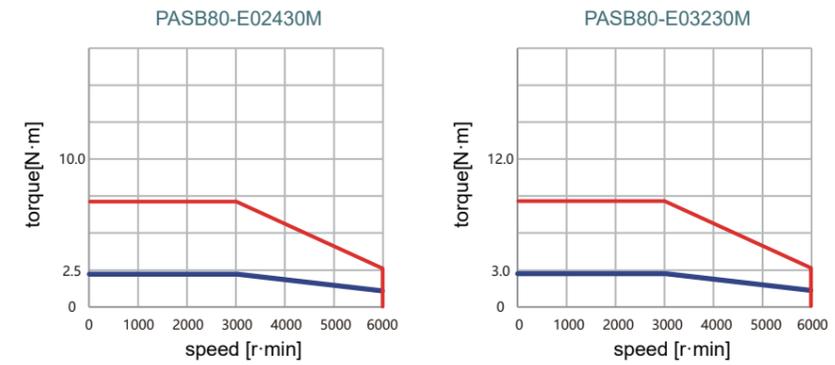


PASB80 High Inertia Series



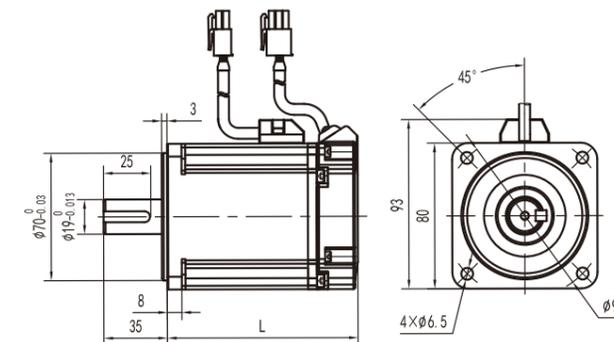
Model		PASB80-E02430M	PASB80-E03230M													
Rated Power	W	750	1000													
Rated Voltage	VAC	220	220													
Rated Current	A	3.8	5.5													
Rated Torque	N.m	2.4	3.2													
Rated Speed	r/min	3000	3000													
Peak Current	A	11.4	16.5													
Peak Torque	N.m	7.2	9.6													
Peak Speed	r/min	6000	6000													
Voltage Constant	V/1000r/min	38.5	38.5													
Torque Coefficient	N.m/A	0.6	0.6													
Line-Line Resistance	Ω	1.33	1.1													
Line-Line Inductance	mH	5.6	4.8													
Electrical Time-Constant	ms	4.2	4.4													
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	1.62	2.1													
Weight	kg	2.5	3.2													
Number Of Pole Pairs		5 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

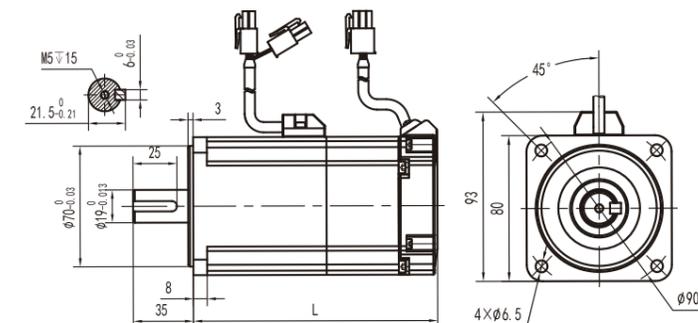


Dimensions	750W		1000W	
	Regular / Short Type		Regular / Short Type	
L Without Brake (mm)	123.5	105	137.5	119
L With Brake (mm)	160.5	142	174.5	156

Without Brake



With Brake



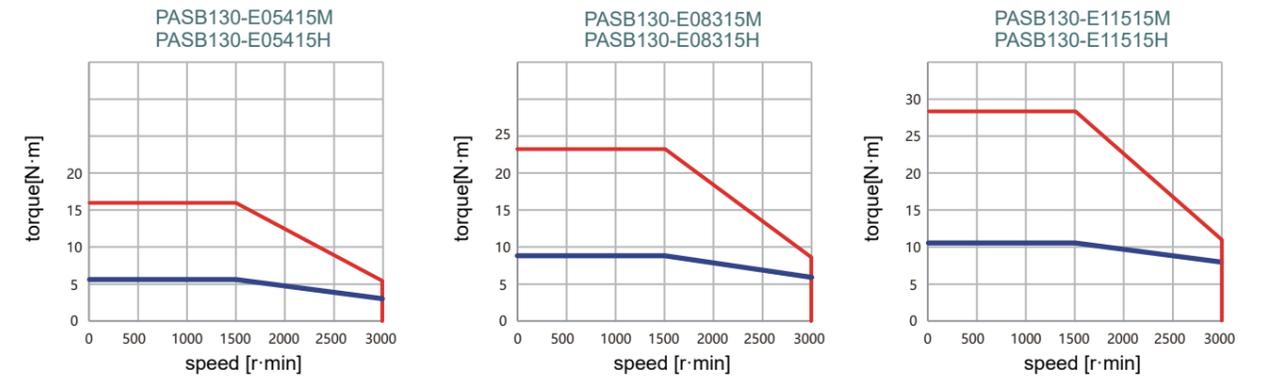
PASB130

High Inertia Series



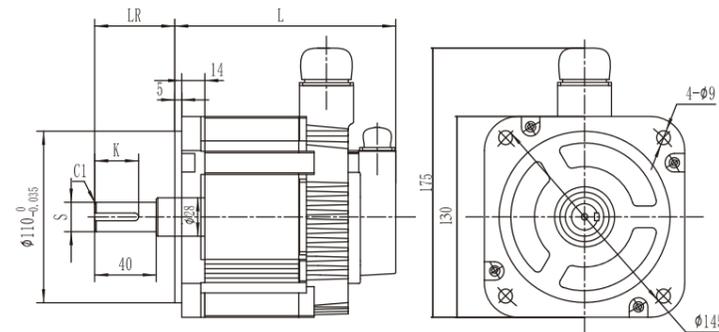
Model		PASB130 -E05415M	PASB130 -E05415H	PASB130 -E08315M	PASB130 -E08315H	PASB130 -E11515M	PASB130 -E11515H									
Rated Power	W	850	850	1300	1300	1800	1800									
Rated Voltage	VAC	220	380	220	380	220	380									
Rated Current	A	6.9	4	10.7	6	13.8	8.5									
Rated Torque	N.m	5.39	5.39	8.34	8.34	11.5	11.5									
Rated Speed	r/min	1500	1500	1500	1500	1500	1500									
Peak Current	A	20.7	12	28	16.7	34.4	21.2									
Peak Torque	N.m	16.7	16.7	23.3	23.3	28.7	28.7									
Peak Speed	r/min	3000	3000	3000	3000	3000	3000									
Voltage Constant	V/1000r/min	50	85	52	92	52	90									
Torque Coefficient	N.m/A	0.78	1.35	0.78	1.39	0.83	1.35									
Line-Line Resistance	Ω	1	2.6	0.5	1.54	0.35	1.2									
Line-Line Inductance	mH	5	16.2	3.2	10.5	2.5	8.3									
Electrical Time-Constant	ms	5	6.2	6.4	6.8	7.14	6.9									
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	14.8	14.8	20.6	20.6	25.8	25.8									
Weight	kg	6.2	6.2	8	8	10.4	10.4									
Number Of Pole Pairs		5 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE		U		V		W								
	Socket Number	1		2		3		4								
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

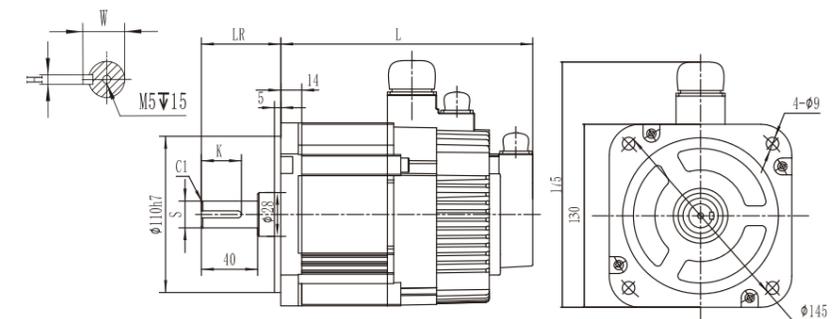


Dimensions	850W	850W	1300W	1300W	1800W	1800W
	Without Brake (mm)	With Brake (mm)	Shaft Extension	Shaft Diameter	Key Length	Key Width
850W	149	182	58	19	25	5
1300W	170	203	58	22	25	6
1800W	188	221	58	24	25	8

Without Brake



With Brake

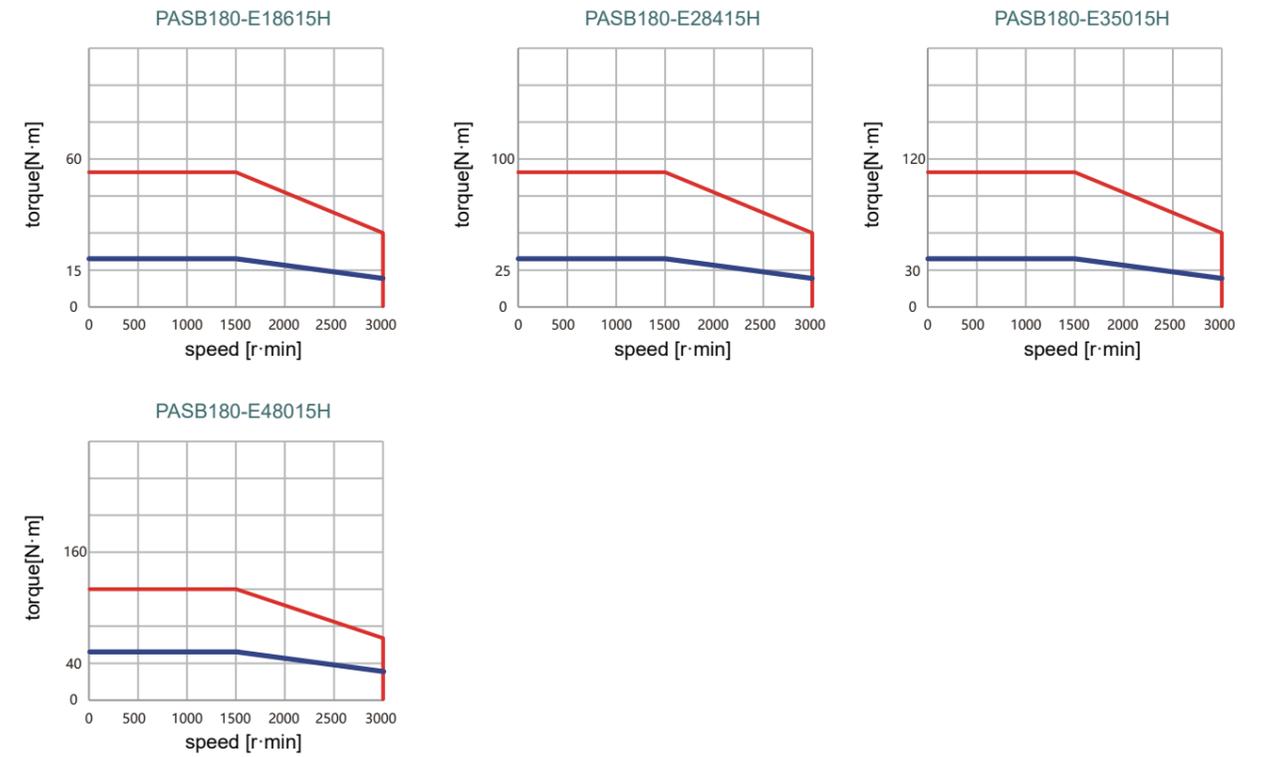


PASB180 High Inertia Series



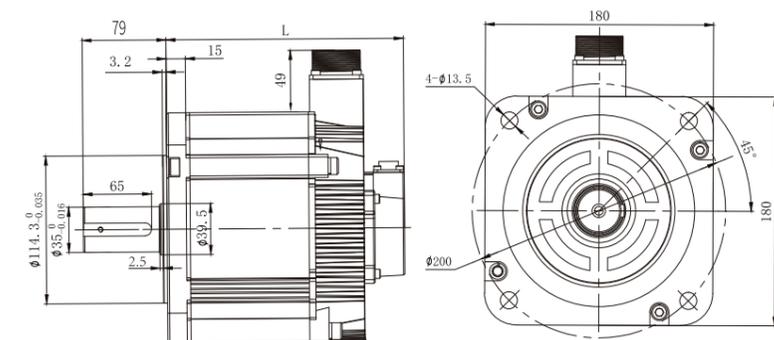
Model		PASB180-E18615H	PASB180-E28415H	PASB180-E35015H	PASB180-E48015H											
Rated Power	KW	2.9	4.4	5.5	7.5											
Rated Voltage	VAC	380	380	380	380											
Rated Current	A	11.9	16.5	20.8	26											
Rated Torque	N.m	18.6	28.4	35	48											
Rated Speed	r/min	1500	1500	1500	1500											
Peak Current	A	35.7	49.5	62.4	65											
Peak Torque	N.m	55.8	85.2	105	120											
Peak Speed	r/min	3000	3000	3000	3000											
Voltage Constant	V/1000r/min	100	104	100	106											
Torque Coefficient	N.m/A	1.4	1.72	1.68	1.85											
Line-Line Resistance	Ω	0.35	0.31	0.18	0.19											
Line-Line Inductance	mH	4.3	3.7	2.3	2.3											
Electrical Time-Constant	ms	12.3	11.9	12.8	12.1											
Rotor Inertia	$\text{kg}\cdot\text{m}^2 \times 10^{-4}$	63.5	88.5	114.4	136.6											
Weight	kg	16.7	21.1	25.6	30.8											
Number Of Pole Pairs	5 Pairs															
Insulation Class	Class F															
Protection Class	IP65(IP67 optional)															
Environment	Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)															
Encode Resolution	2500CPR(Absolute encoder available)															
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

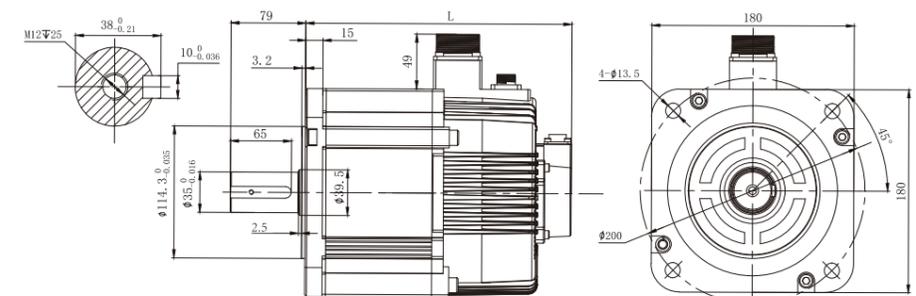


Dimensions		2.9KW	4.4KW	5.5KW	7.5KW
L	Without Brake (mm)	184	211	239	263
L	With Brake (mm)	231	258	286	310

Without Brake



With Brake



PASP

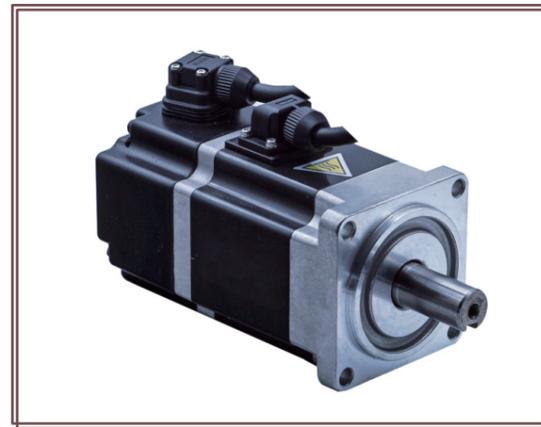
Injection Molding Series



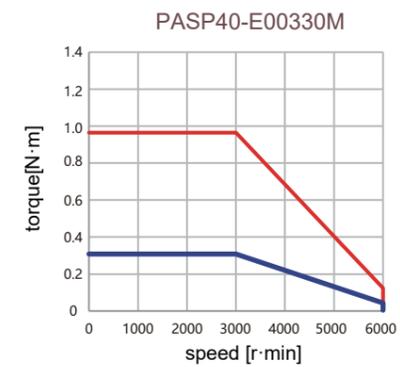
Key Features

- Power range: 0.05KW~1.0KW
- Rated voltage: 220V~380VAC
- Encoder configuration: Absolute encoder, can also support incremental encoder, resolver encoder, etc.
- Design: Adopt the injection molding stator, compact structure, low temperature rise and long lifetime.
- Application field: Robotics, CNC routers, semiconductor, Packaging, Medical equipment and other fields

PASP40 Injection Molding Series



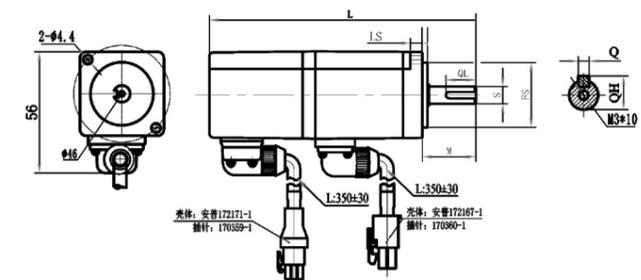
Torque Characteristic Diagram



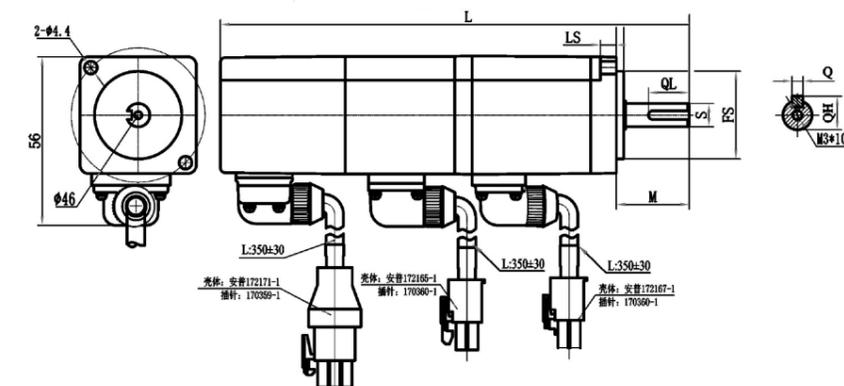
Model		PASP40-E00330M														
Drive Voltage	V	220														
Rated Output	W	100														
Rated Torque	N.m	0.32														
Maximum Torque	N.m	0.96														
Rated Speed	Rpm	3000														
The Highest Speed	Rpm	5000														
Rated Current	A	0.8														
Rotor Inertia	Kg.m ² X10 ⁻⁴	0.035														
Torque Coefficient	N.m/A	0.4														
Electrical Time Constant	ms	2.3														
Line Resistance	Ω	13.9														
Line Inductance	mH	31.9														
Line Back EMF Constant	V/krpm	18.6														
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Dimensions	100W
L Without Brake (mm)	79.5
L With Brake (mm)	112.5

Without Brake



With Brake

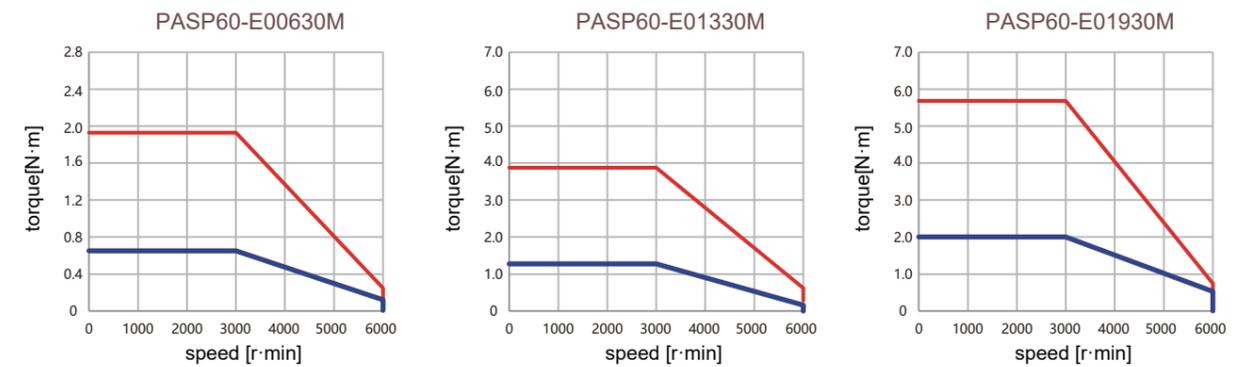


PASP60 Injection Molding Series



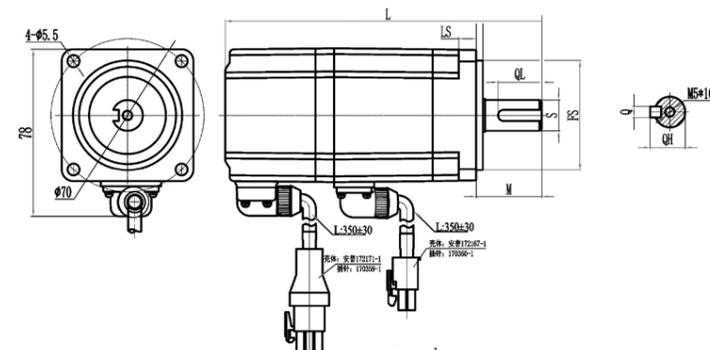
Model		PASP60-E00630M	PASP60-E01330M	PASP60-E01930M												
Drive Voltage	V	220	220	220												
Rated Output	W	200	400	600												
Rated Torque	N.m	0.64	1.27	1.91												
Maximum Torque	N.m	1.92	3.81	5.7												
Rated Speed	Rpm	3000	3000	3000												
The Highest Speed	Rpm	5000	5000	5000												
Rated Current	A	1.1	2.3	3.8												
Rotor Inertia	Kg.m ² X10 ⁻⁴	0.264	0.407	0.526												
Torque Coefficient	N.m/A	0.58	0.55	0.5												
Electrical Time Constant	ms	4.6	4.5	4.7												
Line Resistance	Ω	8.87	2.94	3.03												
Line Inductance	mH	46.6	21.28	20.13												
Line Back EMF Constant	V/krpm	32	29.8	36												
Number Of Pole Pairs			4 Pairs													
Insulation Class			Class F													
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

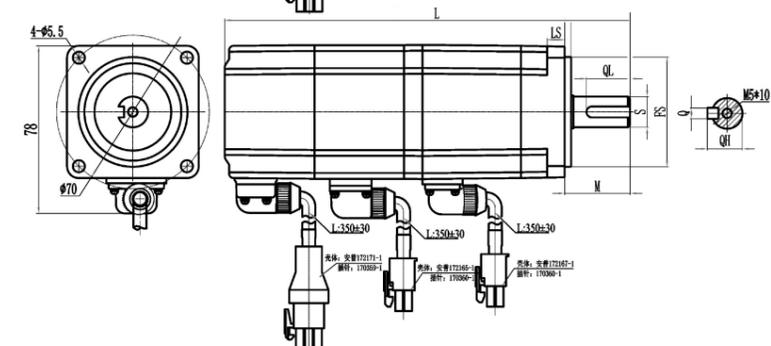


Dimensions	200W	400W	600W
L Without Brake (mm)	145	173	189
L With Brake (mm)	185.8	213.8	229.8

Without Brake



With Brake

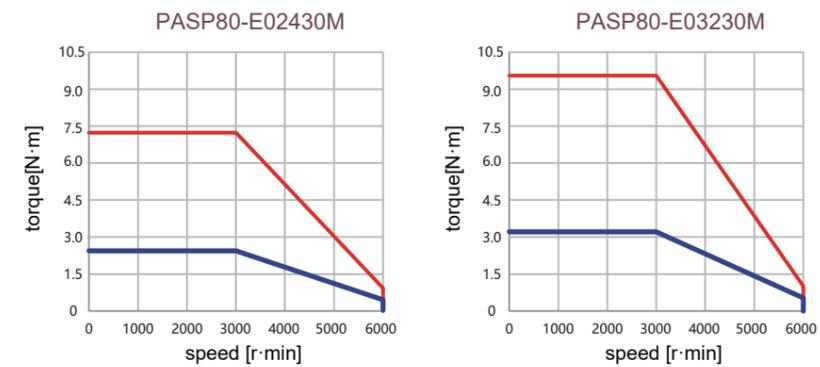


PASP80 Injection Molding Series



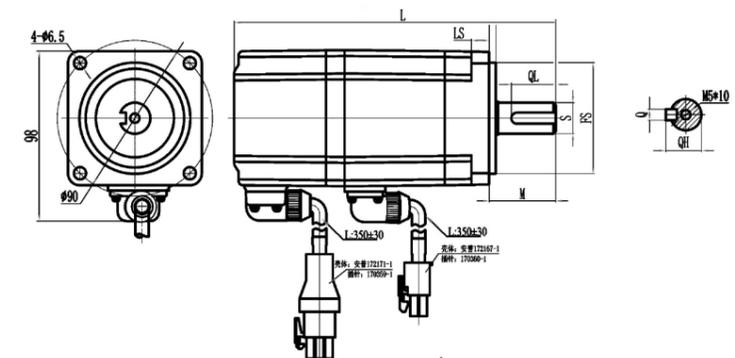
Model		PASP80-E02430M		PASP80-E03230M												
Drive Voltage	V	220		220												
Rated Output	W	750		1000												
Rated Torque	N.m	2.39		3.18												
Maximum Torque	N.m	7.2		9.6												
Rated Speed	Rpm	3000		3000												
The Highest Speed	Rpm	5000		5000												
Rated Current	A	4.2		4.5												
Rotor Inertia	Kg.m ² X10 ⁻⁴	0.924		1.207												
Torque Coefficient	N.m/A	0.6		0.71												
Electrical Time Constant	ms	12.3		11.2												
Line Resistance	Ω	1.47		1.26												
Line Inductance	mH	18.1		14.14												
Line Back EMF Constant	V/krpm	40.8		43.3												
Number Of Pole Pairs		4 Pairs														
Insulation Class		Class F														
Protection Class		IP65(IP67 optional)														
Environment		Ambient Temperature:-20-50°C/Ambient Humidity~90%(No Frosting Condition)														
Encode Resolution		2500CPR(Absolute encoder available)														
Winding Socket	Winding Wire	PE	U	V	W											
	Socket Number	1	2	3	4											
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-	VB+	VB-								
	Male Pin Number	1	2	3	4	5	6	7								
Encoder Socket (Incremental Type)	Signal Pin Definition	Shield	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-
	Male Pin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Torque Characteristic Diagram

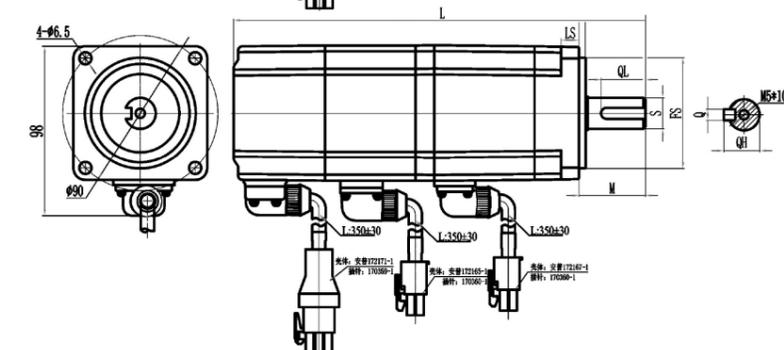


Dimensions	750W	1000W
L Without Brake (mm)	198	198
L With Brake (mm)	222.9	240.9

Without Brake



With Brake



PASE

High Performance Series

D



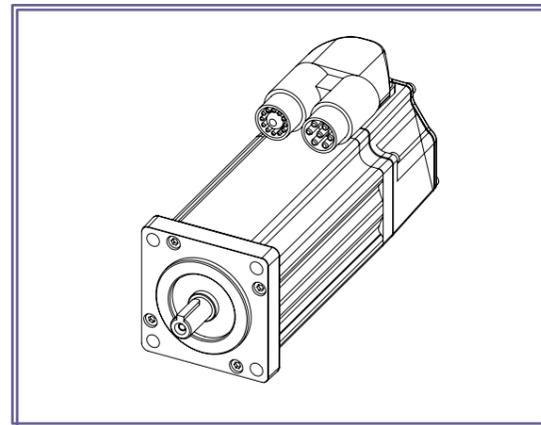
Key Features

- European flange: 0.1-65kW, 1000-10000rpm
- High performance feedback element
- Single and double cable design
- 180 (H) insulation class
- Ultra-low inertia/medium inertia, low cogging torque design
- Forced air cooling and water cooling design of medium and high power motors

PASE063

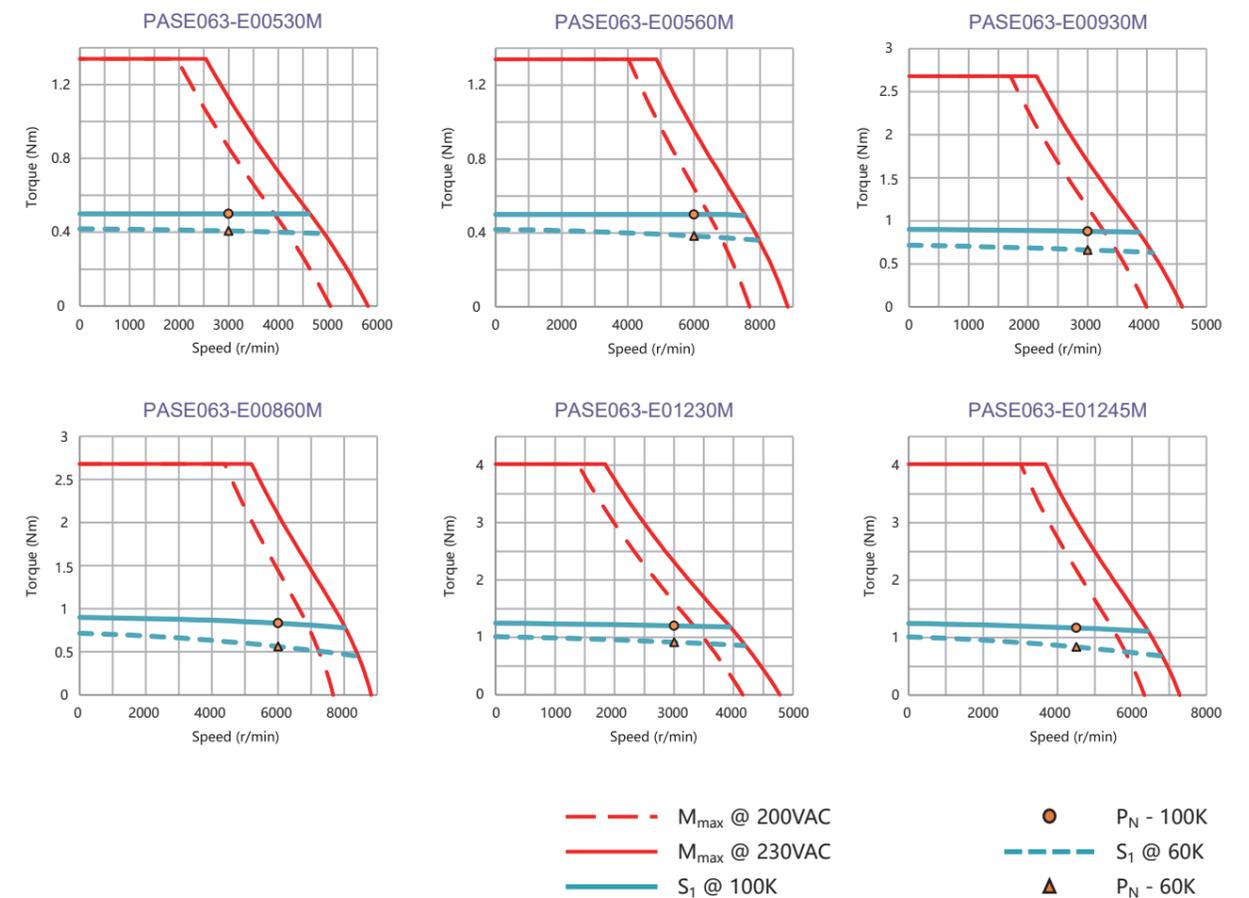
High Performance

Series 0.16~0.55KW

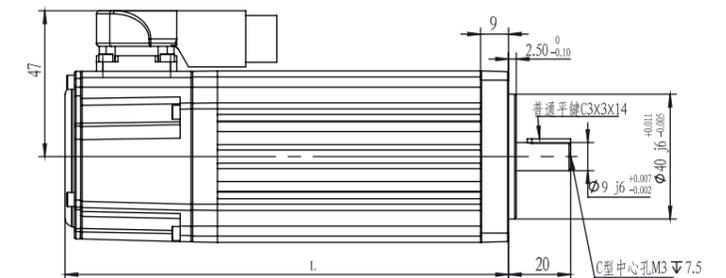
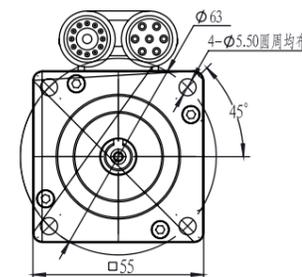


Model	PASE063-E00530M	PASE063-E00560M	PASE063-E00930M	PASE063-E00860M	PASE063-E01230M	PASE063-E01245M	
Operating Voltage	VAC 230(200 ... 250)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	0.16	0.31	0.28	0.52	0.38	0.55
Rated Speed	r/min	3000	6000	3000	6000	3000	4500
Rated Torque (100K)	N.m	0.50	0.50	0.88	0.83	1.20	1.17
Rated Current (100K)	A	0.94	1.44	1.31	2.38	1.86	2.76
Rated Voltage (100K)	VAC	162	188	186	177	183	168
Rated Operating Point (60K)							
Rated Power (60K)	KW	0.13	0.24	0.13	0.24	0.29	0.40
Rated Speed	r/min	3000	6000	3000	6000	3000	4500
Rated Torque (60K)	N.m	0.41	0.38	0.41	0.38	0.92	0.84
Rated Current (60K)	A	0.77	1.09	0.66	0.56	0.66	0.56
Rated Voltage (60K)	VAC	153	179	176	169	173	160
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	10000					
Peak Torque	N.m	1.34	1.34	2.68	2.68	4.02	4.02
Peak Current	A	2.7	4.1	4.3	8.2	6.6	10.1
Peak Torque Turning Point (230VAC)	r/min	2500	4850	2100	5200	1800	3650
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	0.53	0.35	0.67	0.35	0.65	0.42
Voltage Constant (20°C)	V/1krp	38	25	48	25	46	30
Winding Resistance (20°C)	Ω	29.6	12.2	16.4	4.26	13.3	5.50
Winding Inductance (20°C)	mH	37.3	16.1	31.8	8.63	20.9	9.00
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	0.09	0.09	0.17	0.17	0.25	0.25
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	0.14	0.14	0.22	0.22	0.30	0.30
Weight (w/o brake)	kg	1.0	1.0	1.4	1.4	1.7	1.7
Weight (w/ brake)	kg	1.4	1.4	1.7	1.7	2.0	2.0
Brake Data							
Brake Type	Permanent magnet type						
Brake Backlash Max.	arcmin	0					
Static Torque (20°C)	N.m	1.0					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	0.42±7%					
Brake Rated Power (20°C)	W	10±7%					
Connector Type							
Power Connector Type	M15 9-Pin (Double Cable)		M23 9-Pin (Single Cable)				
Feedback Connector Type	M15 12-Pin (Double Cable)						

Torque Characteristic Diagram



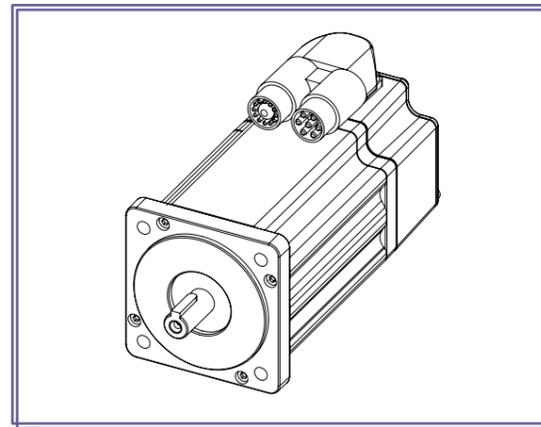
Dimensions



Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE063-E00530M / PASE063-E00560M	117.6	145
PASE063-E00930M / PASE063-E00860M	142.6	170
PASE063-E01230M / PASE063-E01245M	167.6	195

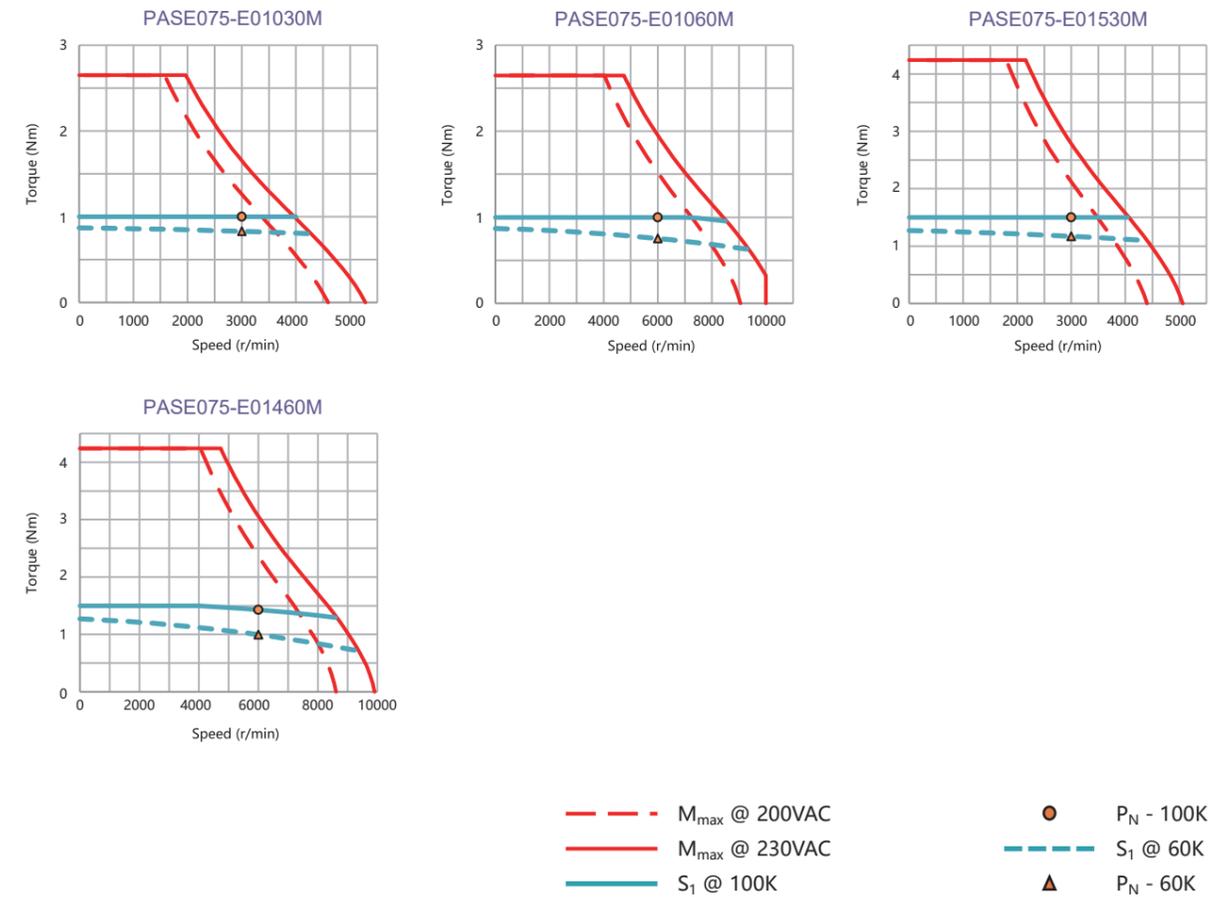
PASE075

High Performance Series 0.31~0.90KW

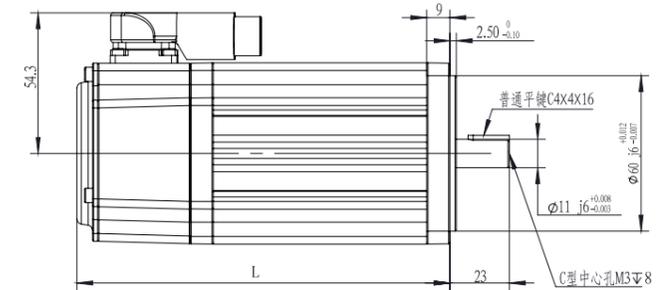
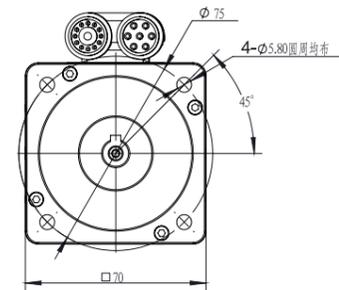


Model	PASE075-E01030M	PASE075-E01060M	PASE075-E01530M	PASE075-E01460M
Operating Voltage	VAC 230(200 ... 250)			
Rated Operating Point (100K)				
Rated Power (100K)	KW 0.31	0.63	0.47	0.90
Rated Speed	r/min 3000	6000	3000	6000
Rated Torque (100K)	N.m 1.00	1.00	1.50	1.43
Rated Current (100K)	A 1.71	3.38	2.46	4.59
Rated Voltage (100K)	VAC 181	168	175	166
Rated Operating Point (60K)				
Rated Power (60K)	KW 0.26	0.47	0.37	0.63
Rated Speed	r/min 3000	6000	3000	6000
Rated Torque (60K)	N.m 0.83	0.75	1.17	1.00
Rated Current (60K)	A 1.42	2.53	1.92	3.21
Rated Voltage (60K)	VAC 171	156	164	155
Limit Data				
Max. Allowable Speed (Mechanical)	r/min 10000			
Peak Torque	N.m 2.65	2.65	4.24	4.24
Peak Current	A 4.8	9.5	7.4	14.5
Peak Torque Turning Point (230VAC)	r/min 1950	4750	2150	4700
Motor Data				
Polar Number	Poles 4			
Torque Constant (100K)	Nm/A 0.58	0.30	0.61	0.31
Voltage Constant (20°C)	V/1krp 41	21	43	22
Winding Resistance (20°C)	Ω 18.6	3.74	6.65	1.69
Winding Inductance (20°C)	mH 38.6	9.92	26.2	6.85
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ² 0.13	0.13	0.20	0.20
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ² 0.31	0.31	0.38	0.38
Weight (w/o brake)	kg 1.5	1.5	1.8	1.8
Weight (w/ brake)	kg 2.1	2.1	2.4	2.4
Brake Data				
Brake Type	Permanent magnet type			
Brake Backlash Max.	arcmin 0			
Static Torque (20°C)	N.m 4.5			
Rated Voltage	VDC 24±10%			
Brake Rated Current (20°C)	A 0.5±7%			
Brake Rated Power (20°C)	W 12±7%			
Connector Type				
Power Connector Type	M15 9-Pin (Double Cable)	M23 9-Pin (Single Cable)		
Feedback Connector Type	M15 12-Pin (Double Cable)			

Torque Characteristic Diagram



Dimensions

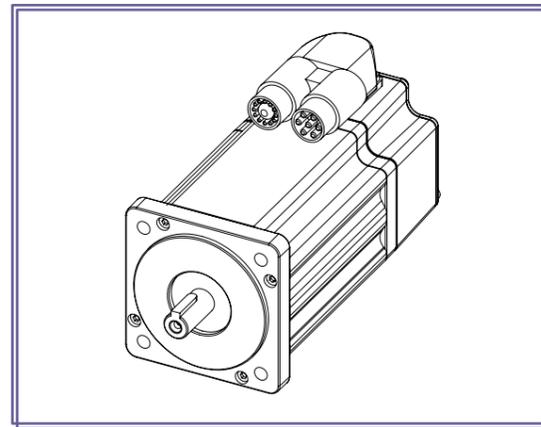


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE075-E01030M / PASE075-E01060M	119.4	153.3
PASE075-E01530M / PASE075-E01460M	134.4	168.3

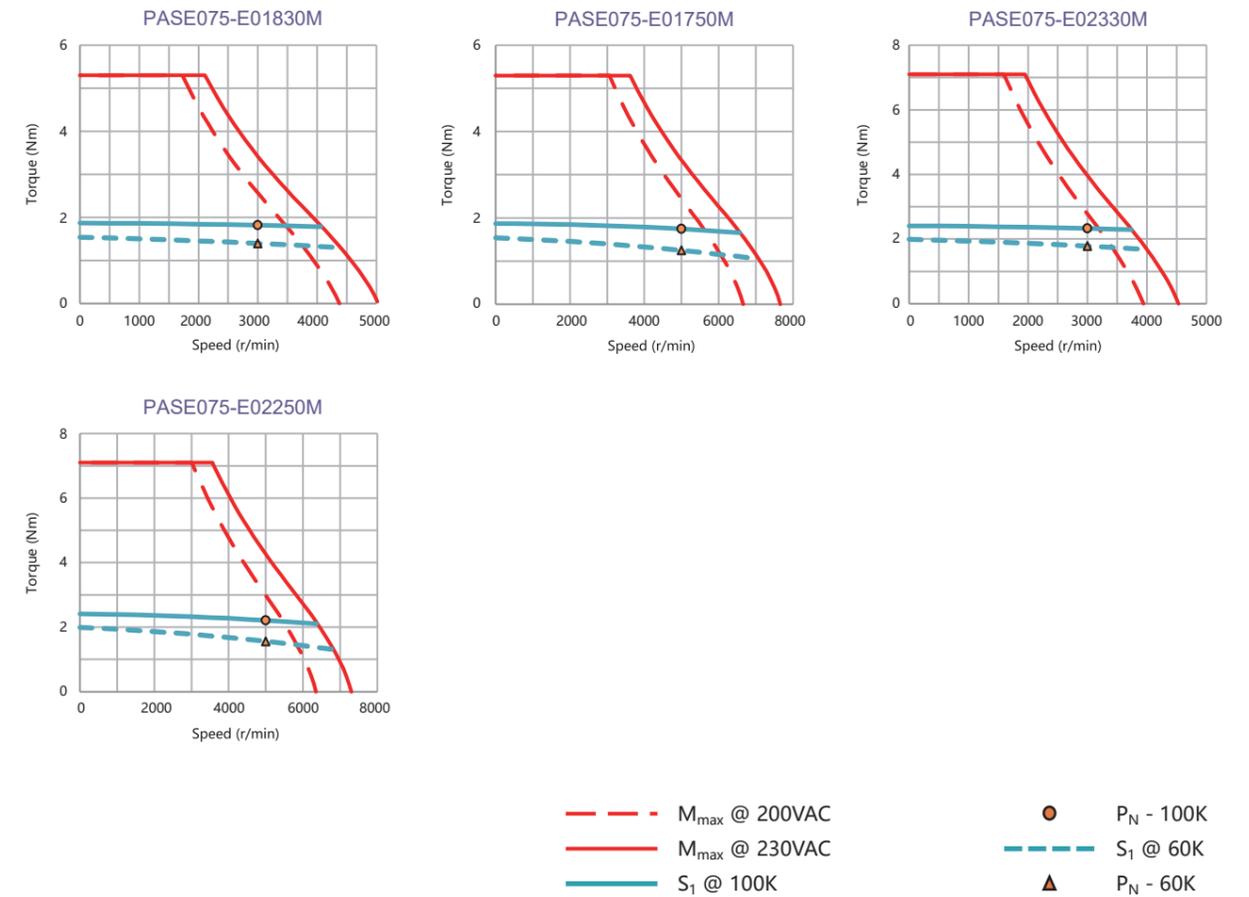
PASE075

High Performance

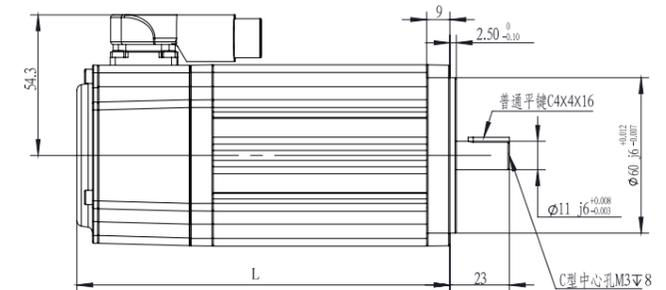
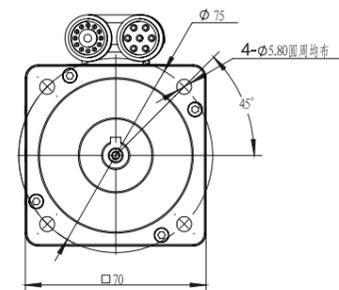
Series 0.57~1.16KW



Torque Characteristic Diagram



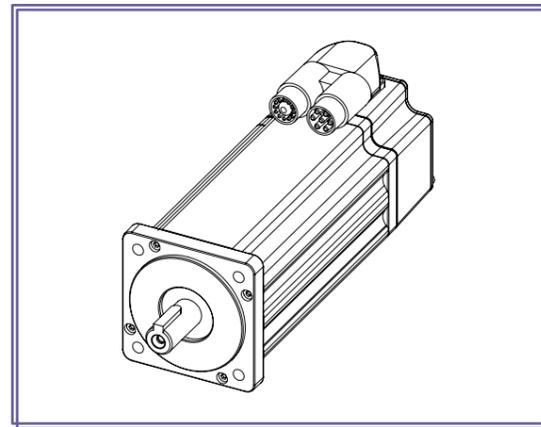
Dimensions



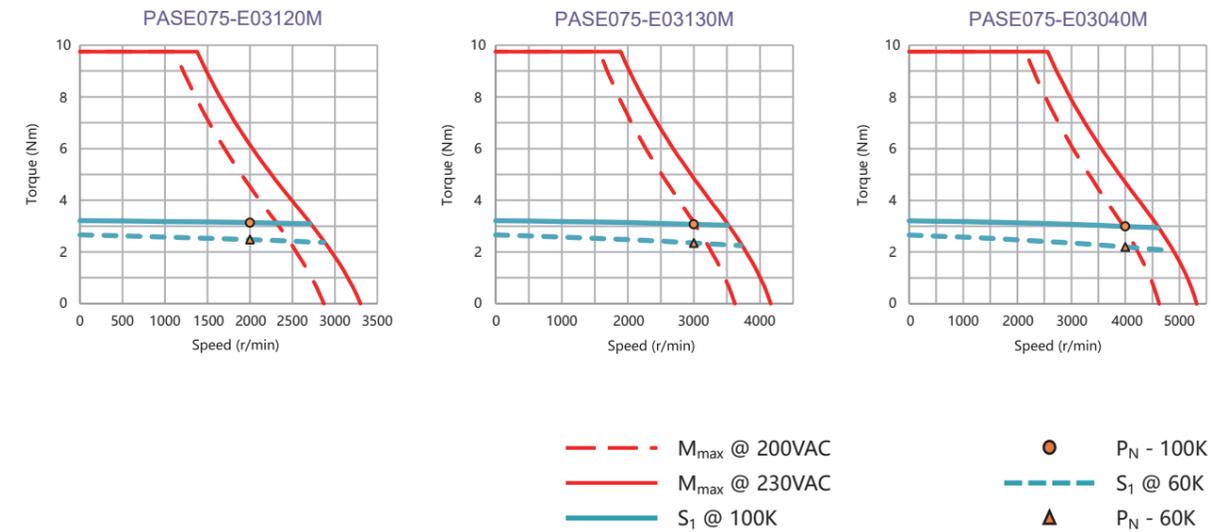
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE075-E01830M / PASE075-E01750M	144.4	178.3
PASE075-E02330M / PASE075-E02250M	161.4	195.3

Model	PASE075-E01830M	PASE075-E01750M	PASE075-E02330M	PASE075-E02250M	
Operating Voltage	VAC 230(200 ... 250)				
Rated Operating Point (100K)					
Rated Power (100K)	KW 0.57	0.91	0.73	1.16	
Rated Speed	r/min 3000	5000	3000	5000	
Rated Torque (100K)	N.m 1.82	1.74	2.33	2.21	
Rated Current (100K)	A 2.97	4.33	3.42	5.23	
Rated Voltage (100K)	VAC 176	180	190	185	
Rated Operating Point (60K)					
Rated Power (60K)	KW 0.44	0.65	0.56	0.82	
Rated Speed	r/min 3000	5000	3000	5000	
Rated Torque (60K)	N.m 1.40	1.25	1.78	1.56	
Rated Current (60K)	A 2.29	3.11	2.61	3.69	
Rated Voltage (60K)	VAC 165	169	179	174	
Limit Data					
Max. Allowable Speed (Mechanical)	r/min	10000			
Peak Torque	N.m	5.30	5.30	5.30	5.30
Peak Current	A	9.2	14.0	11.1	17.9
Peak Torque Turning Point (230VAC)	r/min	2100	3600	1950	3550
Motor Data					
Polar Number	Poles	4			
Torque Constant (100K)	Nm/A	0.61	0.40	0.68	0.42
Voltage Constant (20°C)	V/1krp	43	29	48	30
Winding Resistance (20°C)	Ω	6.46	2.67	5.45	2.12
Winding Inductance (20°C)	mH	19.8	8.55	17.2	6.61
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	0.25	0.25	0.33	0.33
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	0.43	0.43	0.51	0.51
Weight (w/o brake)	kg	1.5	1.5	2.4	2.4
Weight (w/ brake)	kg	2.1	2.1	3.0	3.0
Brake Data					
Brake Type	Permanent magnet type				
Brake Backlash Max.	arcmin	0			
Static Torque (20°C)	N.m	4.5			
Rated Voltage	VDC	24±10%			
Brake Rated Current (20°C)	A	0.5±7%			
Brake Rated Power (20°C)	W	12±7%			
Connector Type					
Power Connector Type	M15 9-Pin (Double Cable)		M23 9-Pin (Single Cable)		
Feedback Connector Type	M15 12-Pin (Double Cable)				

PASE075 High Performance Series 0.66~1.25KW

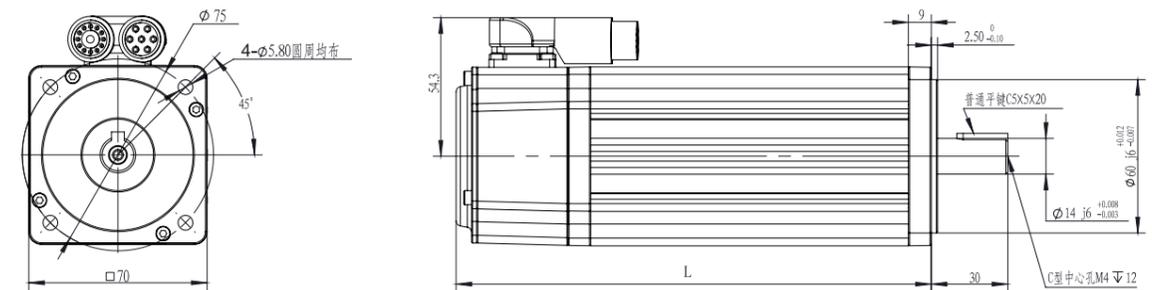


Torque Characteristic Diagram



Model		PASE075-E03120M	PASE075-E03130M	PASE075-E03040M
Operating Voltage	VAC	230(200 ... 250)		
Rated Operating Point (100K)				
Rated Power (100K)	KW	0.66	0.96	1.25
Rated Speed	r/min	2000	3000	4000
Rated Torque (100K)	N.m	3.13	3.07	2.99
Rated Current (100K)	A	3.35	4.14	5.15
Rated Voltage (100K)	VAC	176	199	202
Rated Operating Point (60K)				
Rated Power (60K)	KW	0.52	0.74	0.92
Rated Speed	r/min	2000	3000	4000
Rated Torque (60K)	N.m	2.48	2.35	2.20
Rated Current (60K)	A	2.65	3.17	3.79
Rated Voltage (60K)	VAC	167	189	192
Limit Data				
Max. Allowable Speed (Mechanical)	r/min	10000		
Peak Torque	N.m	9.75	9.75	9.75
Peak Current	A	11.1	14.0	17.9
Peak Torque Turning Point (230VAC)	r/min	1350	1850	2550
Motor Data				
Polar Number	Poles	4		
Torque Constant (100K)	Nm/A	0.94	0.74	0.58
Voltage Constant (20°C)	V/1krp	66	52	41
Winding Resistance (20°C)	Ω	5.84	3.67	2.28
Winding Inductance (20°C)	mH	23.6	14.8	9.08
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	0.45	0.45	0.45
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	0.63	0.63	0.63
Weight (w/o brake)	kg	2.9	2.9	2.9
Weight (w/ brake)	kg	3.5	3.5	3.5
Brake Data				
Brake Type		Permanent magnet type		
Brake Backlash Max.	arcmin	0		
Static Torque (20°C)	N.m	4.5		
Rated Voltage	VDC	24±10%		
Brake Rated Current (20°C)	A	0.5±7%		
Brake Rated Power (20°C)	W	12±7%		
Connector Type				
Power Connector Type		M15 9-Pin (Double Cable)	M23 9-Pin (Single Cable)	
Feedback Connector Type		M15 12-Pin (Double Cable)		

Dimensions

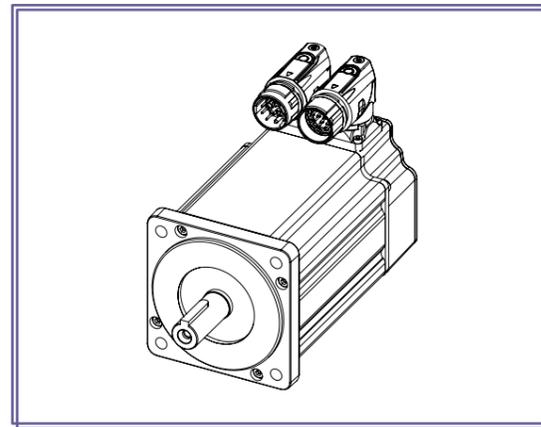


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE075-E03120M / PASE075-E03130M / PASE075-E03040M	186.4	220.3

PASE100

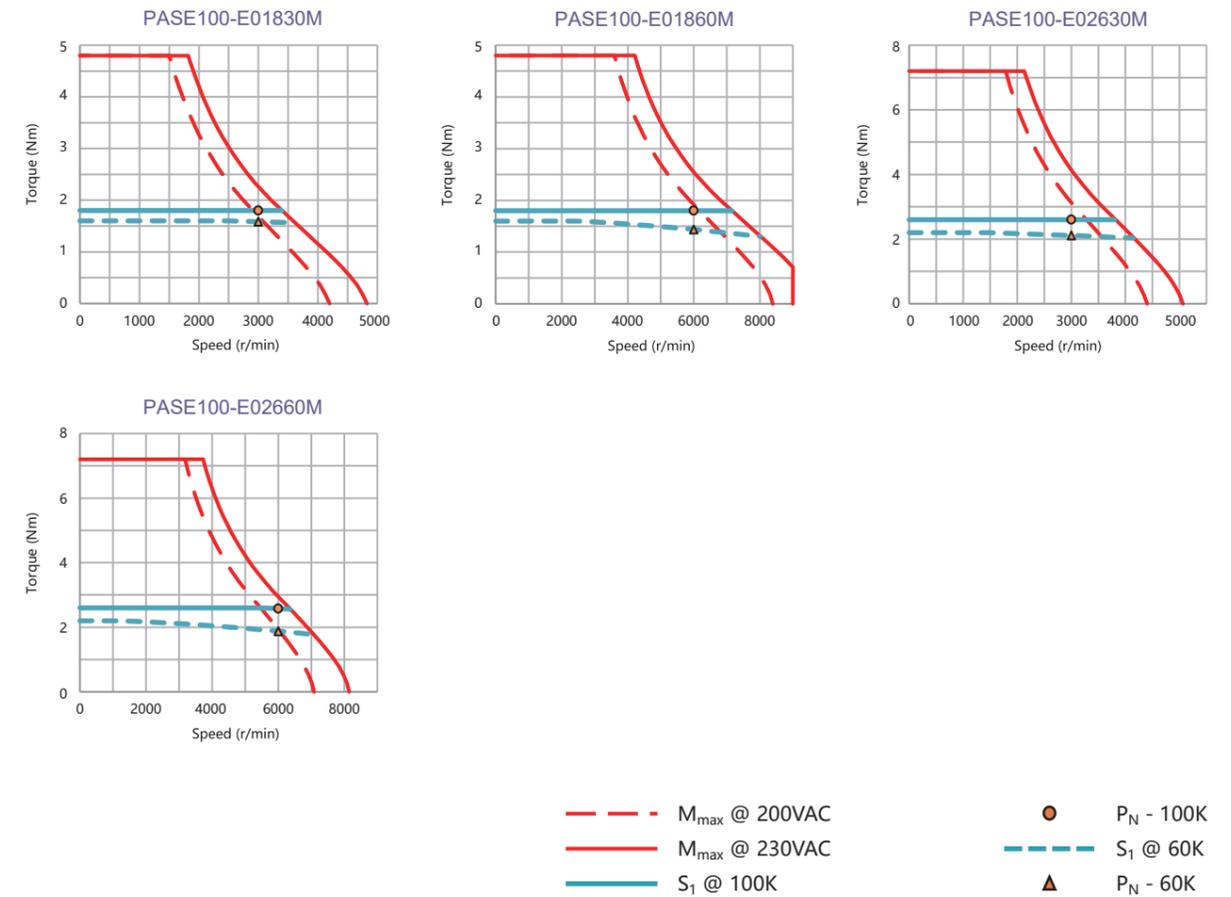
High Performance

Series 0.57~1.62KW

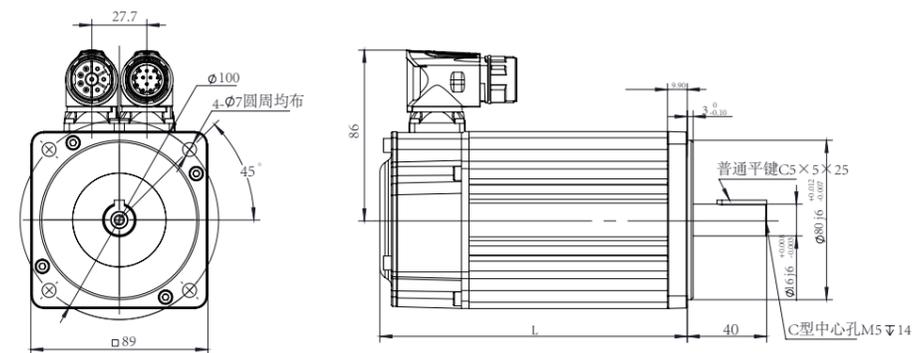


Model	PASE100-E01830M	PASE100-E01860M	PASE100-E02630M	PASE100-E02660M
Operating Voltage	VAC 230(200 ... 250)			
Rated Operating Point (100K)				
Rated Power (100K)	KW 0.57	1.13	0.82	1.62
Rated Speed	r/min 3000	6000	3000	6000
Rated Torque (100K)	N.m 1.80	1.80	2.60	2.58
Rated Current (100K)	A 2.9	5.7	4.2	6.8
Rated Voltage (100K)	VAC 206	195	184	218
Rated Operating Point (60K)				
Rated Power (60K)	KW 0.50	0.90	0.66	1.18
Rated Speed	r/min 3000	6000	3000	6000
Rated Torque (60K)	N.m 1.59	1.44	2.11	1.88
Rated Current (60K)	A 2.5	4.5	3.4	4.9
Rated Voltage (60K)	VAC 195	179	171	198
Limit Data				
Max. Allowable Speed (Mechanical)	r/min 9000			
Peak Torque	N.m 4.8	4.8	7.2	7.2
Peak Current	A 8.5	17.1	13.5	21.6
Peak Torque Turning Point (230VAC)	r/min 1800	4200	2100	3700
Motor Data				
Polar Number	Poles 4			
Torque Constant (100K)	Nm/A 0.63	0.31	0.61	0.38
Voltage Constant (20°C)	V/1krp 45	23	43	27
Winding Resistance (20°C)	Ω 7.03	1.75	3.56	1.39
Winding Inductance (20°C)	mH 35.2	8.81	19.9	7.69
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ² 0.44	0.44	0.65	0.65
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ² 0.55	0.55	0.76	0.76
Weight (w/o brake)	kg 2.6	2.6	3.15	3.15
Weight (w/ brake)	kg 3.3	3.3	3.9	3.9
Brake Data				
Brake Type	Mechanical spring pressurized type			
Brake Backlash Max.	arcmin 30			
Static Torque (20°C)	N.m 5.3			
Rated Voltage	VDC 24±10%			
Brake Rated Current (20°C)	A 0.61±7%			
Brake Rated Power (20°C)	W 14.7±7%			
Connector Type				
Power Connector Type	M23 8-Pin (Double Cable)		M23 9-Pin (Single Cable)	
Feedback Connector Type	M23 12-Pin (Double Cable)			

Torque Characteristic Diagram



Dimensions

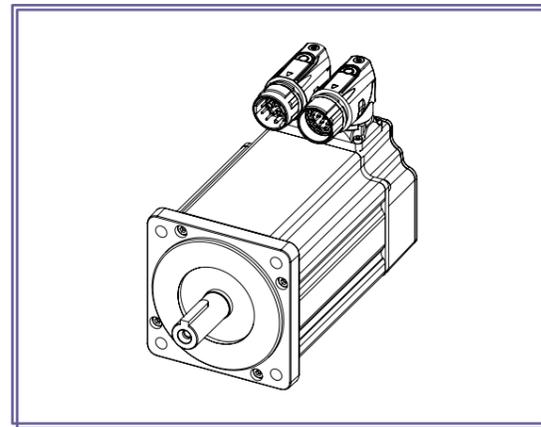


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE100-E01830M / PASE100-E01860M	129.8	165.8
PASE100-E02630M / PASE100-E02660M	142.3	178.3

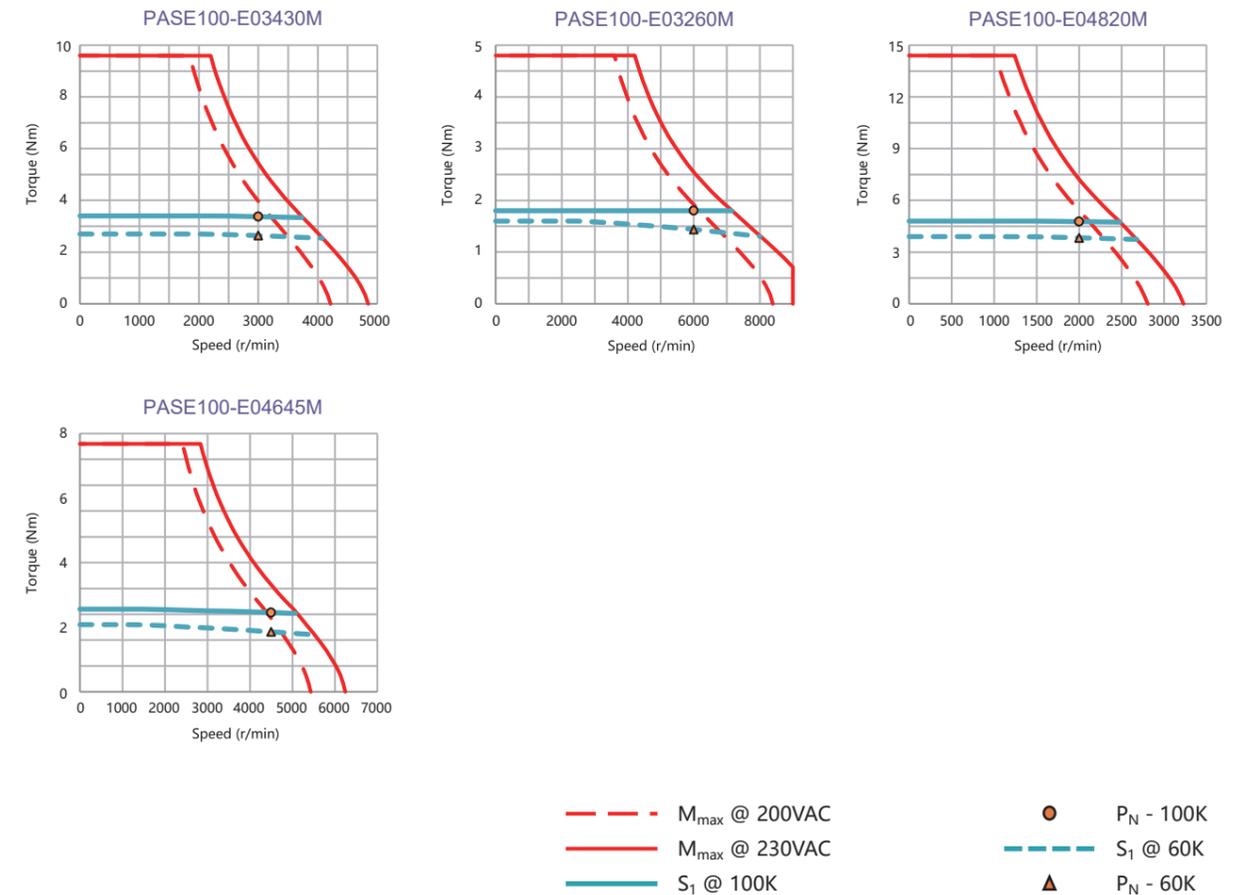
PASE100

High Performance

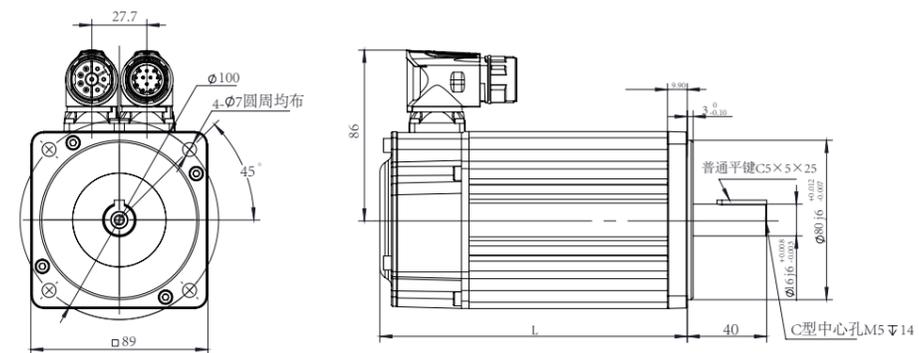
Series 1.06~2.16KW



Torque Characteristic Diagram



Dimensions



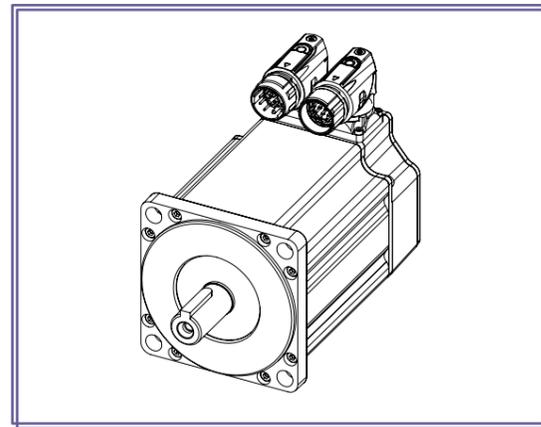
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE100-E03430M / PASE100-E03260M	154.8	190.8
PASE100-E04820M / PASE100-E04645M	179.8	215.8

Model	PASE100-E03430M	PASE100-E03260M	PASE100-E04820M	PASE100-E04645M
Operating Voltage	VAC 230(200 ... 250)			
Rated Operating Point (100K)				
Rated Power (100K)	KW 1.06	2.01	1.00	2.16
Rated Speed	r/min 3000	6000	2000	4500
Rated Torque (100K)	N.m 3.37	3.20	4.76	4.59
Rated Current (100K)	A 5.2	9.5	4.8	9.0
Rated Voltage (100K)	VAC 188	183	190	204
Rated Operating Point (60K)				
Rated Power (60K)	KW 0.83	1.46	0.80	1.64
Rated Speed	r/min 3000	6000	2000	4500
Rated Torque (60K)	N.m 2.64	2.33	3.83	3.48
Rated Current (60K)	A 4.0	6.8	3.8	6.7
Rated Voltage (60K)	VAC 174	168	177	190
Limit Data				
Max. Allowable Speed (Mechanical)	r/min 9000			
Peak Torque	N.m 9.6	9.6	14.4	14.4
Peak Current	A 17.2	33.2	17.2	33.2
Peak Torque Turning Point (230VAC)	r/min 2050	4450	1200	2800
Motor Data				
Polar Number	Poles 4			
Torque Constant (100K)	Nm/A 0.65	0.34	0.98	0.51
Voltage Constant (20°C)	V/1krp 45	23	68	35
Winding Resistance (20°C)	Ω 2.71	0.699	3.72	0.961
Winding Inductance (20°C)	mH 16.3	4.36	24.5	6.54
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ² 0.74	0.74	1.04	1.04
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ² 0.85	0.85	1.15	1.15
Weight (w/o brake)	kg 3.7	3.7	4.6	4.6
Weight (w/ brake)	kg 4.5	4.5	5.4	5.4
Brake Data				
Brake Type	Mechanical spring pressurized type			
Brake Backlash Max.	arcmin 30			
Static Torque (20°C)	N.m 5.3			
Rated Voltage	VDC 24±10%			
Brake Rated Current (20°C)	A 0.61±7%			
Brake Rated Power (20°C)	W 14.7±7%			
Connector Type				
Power Connector Type	M23 8-Pin (Double Cable)	M23 9-Pin (Single Cable)		
Feedback Connector Type	M23 12-Pin (Double Cable)			

PASE115

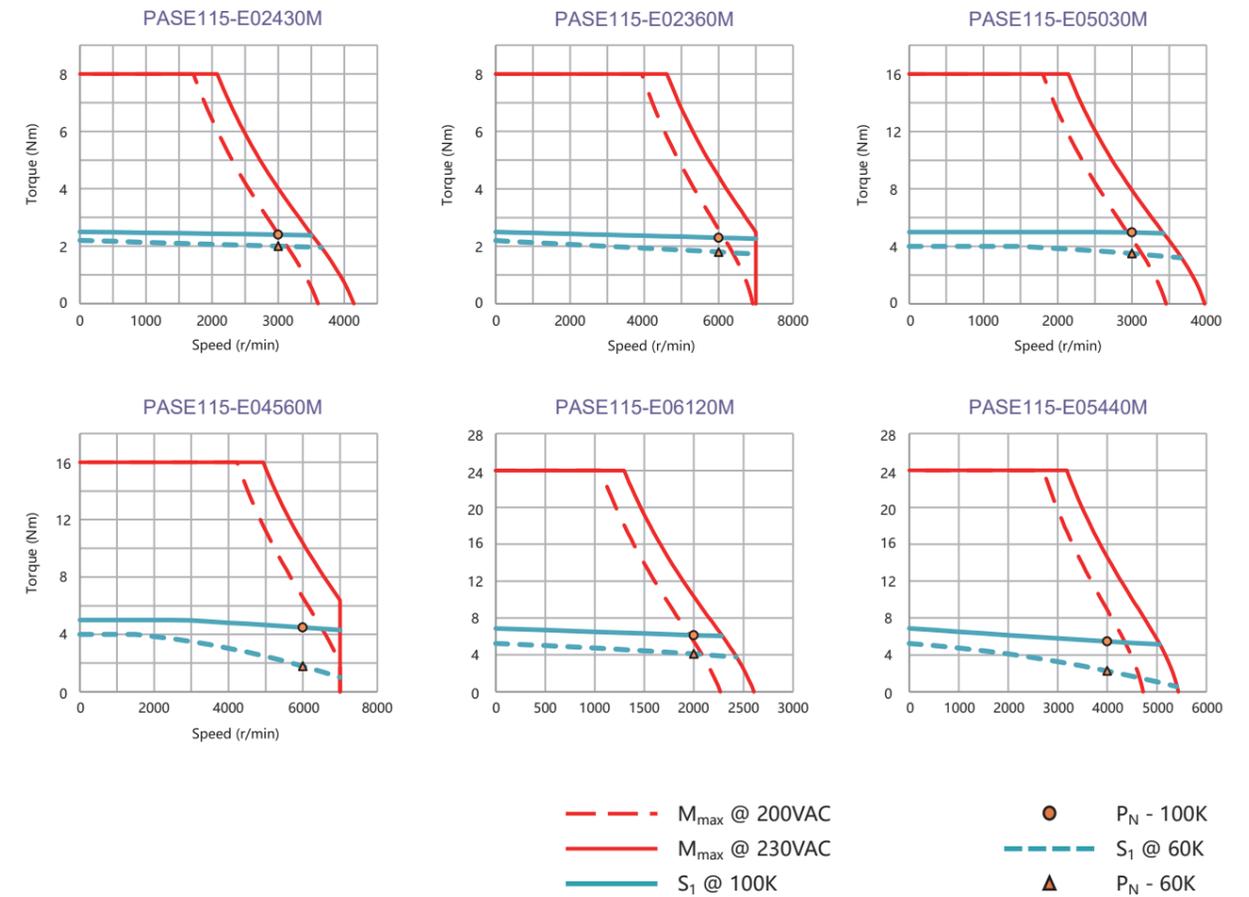
High Performance

Series 0.75~2.29KW

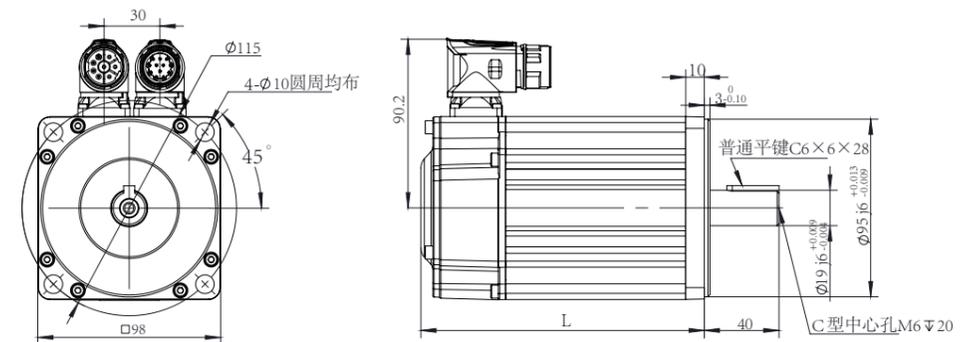


Model	PASE115-E02430M	PASE115-E02360M	PASE115-E05030M	PASE115-E04560M	PASE115-E06120M	PASE115-E05440M	
Operating Voltage	VAC 230(200 ... 250)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	0.75	1.45	1.56	2.82	1.29	2.29
Rated Speed	r/min	3000	6000	3000	6000	2000	4000
Rated Torque (100K)	N.m	2.40	4.97	3.20	4.49	6.14	5.47
Rated Current (100K)	A	3.2	5.9	6.4	12.0	5.1	9.4
Rated Voltage (100K)	VAC	200	196	204	185	204	185
Rated Operating Point (60K)							
Rated Power (60K)	KW	0.63	1.13	1.10	1.12	0.86	0.95
Rated Speed	r/min	3000	6000	3000	6000	2000	4000
Rated Torque (60K)	N.m	2.00	1.80	3.50	4.10	4.10	2.27
Rated Current (60K)	A	2.7	4.6	4.5	4.8	3.4	3.9
Rated Voltage (60K)	VAC	193	189	192	171	193	174
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	7000					
Peak Torque	N.m	8.0	8.0	16.0	16.0	24.0	24.0
Peak Current	A	10.8	20.7	20.7	43.2	20.4	20.4
Peak Torque Turning Point (230VAC)	r/min	2050	4600	2100	4900	1300	3150
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	0.75	0.39	0.78	0.37	1.21	0.58
Voltage Constant (20°C)	V/1krp	53	27	55	26	84	40
Winding Resistance (20°C)	Ω	4.81	1.25	1.93	0.46	2.78	0.67
Winding Inductance (20°C)	mH	18.7	5.06	10.1	2.33	15.0	3.45
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	1.35	1.35	2.42	2.42	3.49	3.49
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	1.61	1.61	2.68	2.68	3.75	3.75
Weight (w/o brake)	kg	3.0	3.0	4.5	4.5	6.0	6.0
Weight (w/ brake)	kg	4.0	4.0	5.5	5.5	7.0	7.0
Brake Data							
Brake Type	Mechanical spring pressurized type						
Brake Backlash Max.	arcmin	30					
Static Torque (20°C)	N.m	8.2					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	0.68±7%					
Brake Rated Power (20°C)	W	16.4±7%					
Connector Type							
Power Connector Type	M23 8-Pin (Double Cable)		M23 9-Pin (Single Cable)				
Feedback Connector Type	M23 12-Pin (Double Cable)						

Torque Characteristic Diagram



Dimensions

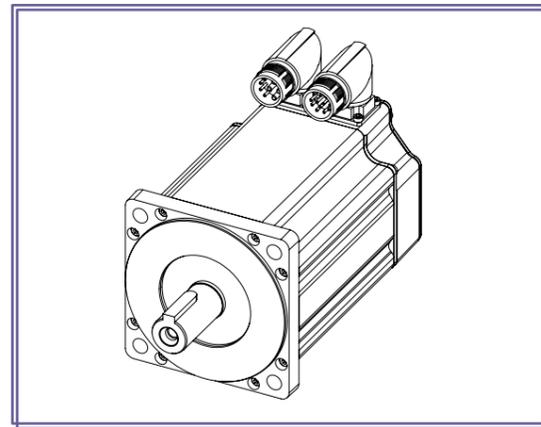


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE115-E02430M / PASE115-E02360M	127	175
PASE115-E05030M / PASE115-E04560M	152	200
PASE115-E06120M / PASE115-E05440M	177	225

PASE130

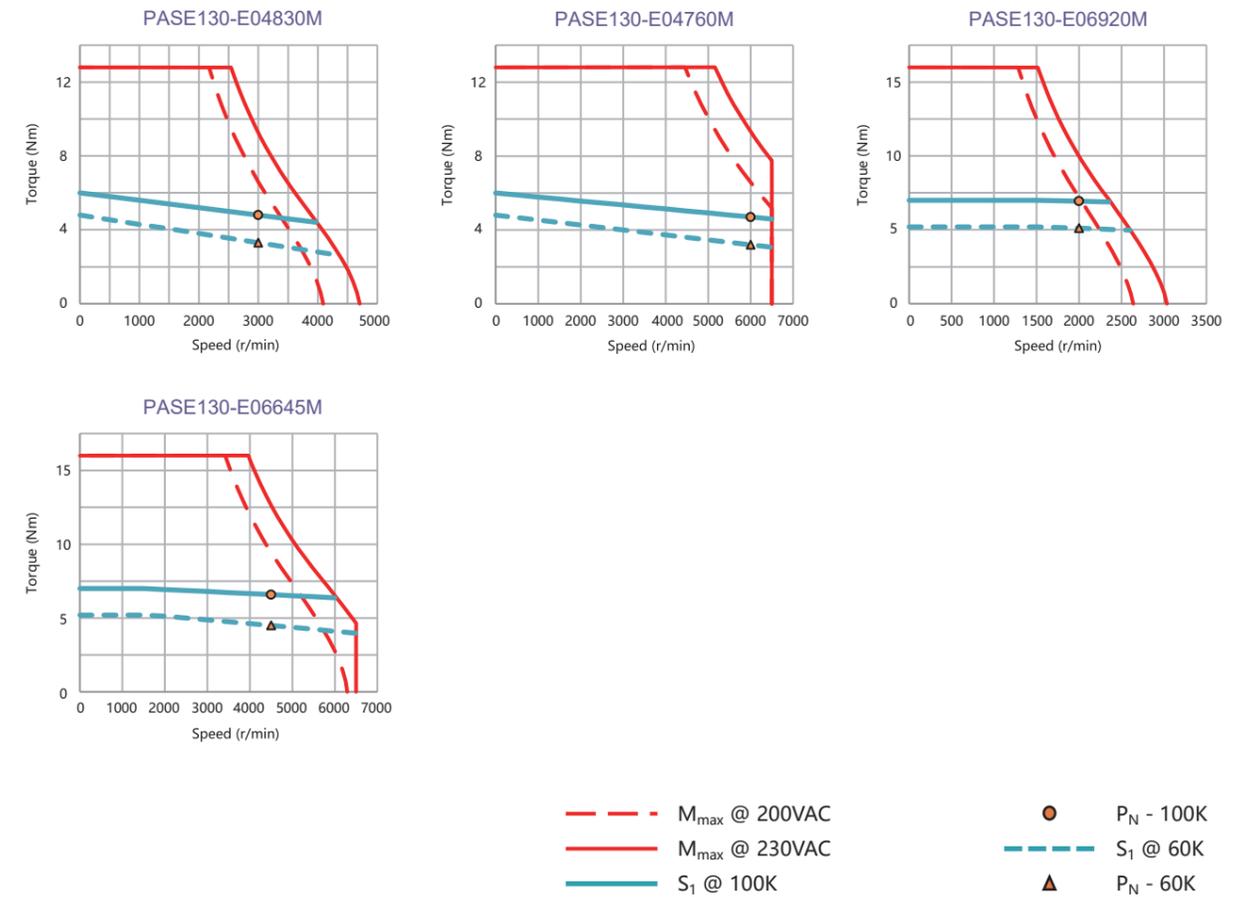
High Performance

Series 1.51~3.11KW

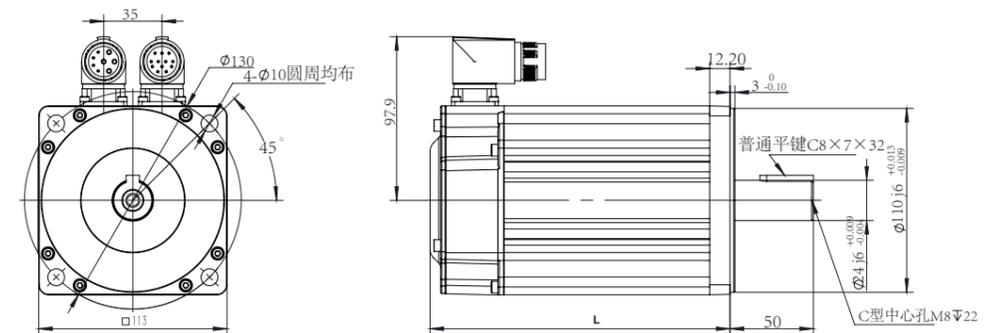


Model	PASE130-E04830M	PASE130-E04760M	PASE130-E06920M	PASE130-E06645M	
Operating Voltage	VAC 230(200 ... 250)				
Rated Operating Point (100K)					
Rated Power (100K)	KW	1.51	2.95	1.45	3.11
Rated Speed	r/min	3000	6000	2000	4500
Rated Torque (100K)	N.m	4.8	4.7	6.9	6.6
Rated Current (100K)	A	7.1	13.4	6.5	14.9
Rated Voltage (100K)	VAC	180	180	197	174
Rated Operating Point (60K)					
Rated Power (60K)	KW	1.04	2.01	1.07	2.12
Rated Speed	r/min	3000	6000	2000	4500
Rated Torque (60K)	N.m	3.3	3.2	5.1	4.5
Rated Current (60K)	A	3.9	9.0	4.8	10.1
Rated Voltage (60K)	VAC	165	167	180	160
Limit Data					
Max. Allowable Speed (Mechanical)	r/min	6500			
Peak Torque	N.m	12.8	12.8	16.0	16.0
Peak Current	A	19.6	37.7	16.8	40.0
Peak Torque Turning Point (230VAC)	r/min	2500	5150	1500	3950
Motor Data					
Polar Number	Poles	4			
Torque Constant (100K)	Nm/A	0.68	0.35	1.05	0.44
Voltage Constant (20°C)	V/1krp	46	24	72	30
Winding Resistance (20°C)	Ω	1.33	0.345	2.10	0.348
Winding Inductance (20°C)	mH	10.3	2.78	19.7	3.47
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	2.05	2.05	2.48	2.48
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	2.50	2.50	2.93	2.93
Weight (w/o brake)	kg	5.5	5.5	6.2	6.2
Weight (w/ brake)	kg	7.5	7.5	6.6	6.6
Brake Data					
Brake Type	Mechanical spring pressurized type				
Brake Backlash Max.	arcmin	30			
Static Torque (20°C)	N.m	15.0			
Rated Voltage	VDC	24±10%			
Brake Rated Current (20°C)	A	0.81±7%			
Brake Rated Power (20°C)	W	19.5±7%			
Connector Type					
Power Connector Type	M23 8-Pin (Double Cable)		M23 9-Pin (Single Cable)		
Feedback Connector Type	M23 12-Pin (Double Cable)				

Torque Characteristic Diagram



Dimensions

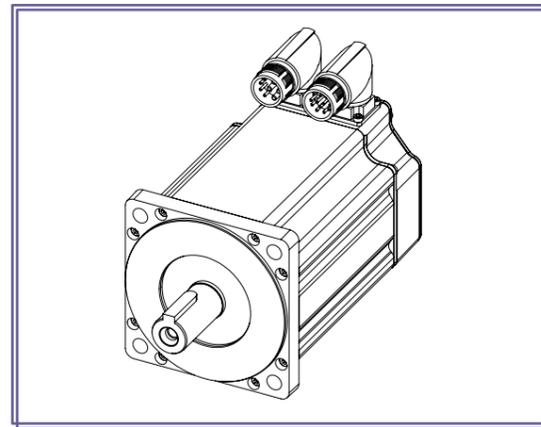


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE130-E04830M / PASE130-E04760M	145	198
PASE130-E06920M / PASE130-E06645M	155	208

PASE130

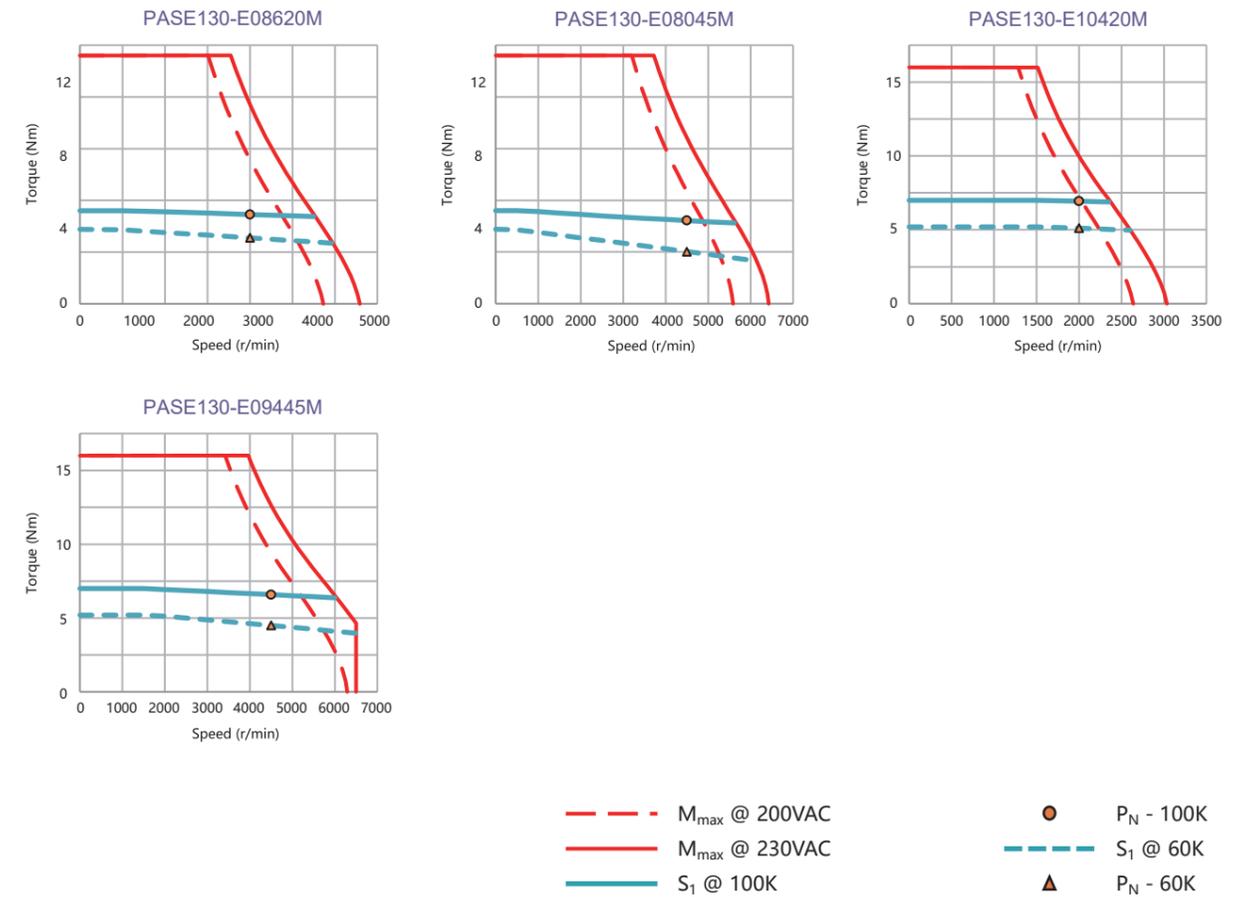
High Performance

Series 1.80~4.43KW

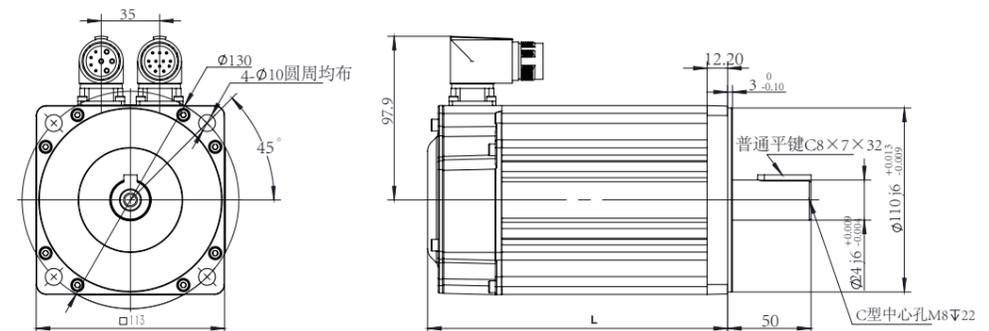


Model	PASE130-E08620M	PASE130-E08045M	PASE130-E10420M	PASE130-E09445M
Operating Voltage	VAC 230(200 ... 250)			
Rated Operating Point (100K)				
Rated Power (100K)	KW 1.80	3.77	2.18	4.43
Rated Speed	r/min 2000	4500	2000	4500
Rated Torque (100K)	N.m 8.6	8.0	10.4	9.4
Rated Current (100K)	A 8.9	16.1	10.1	18.8
Rated Voltage (100K)	VAC 171	185	176	182
Rated Operating Point (60K)				
Rated Power (60K)	KW 1.34	2.36	1.59	2.50
Rated Speed	r/min 2000	4500	2000	4500
Rated Torque (60K)	N.m 6.4	5.0	7.6	5.3
Rated Current (60K)	A 6.5	9.9	7.2	10.4
Rated Voltage (60K)	VAC 160	172	166	170
Limit Data				
Max. Allowable Speed (Mechanical)	r/min 6500			
Peak Torque	N.m 24.0	24.0	32.0	32.0
Peak Current	A 25.7	50.2	32.2	66.4
Peak Torque Turning Point (230VAC)	r/min 1750	3700	1650	3700
Motor Data				
Polar Number	Poles 4			
Torque Constant (100K)	Nm/A 0.97	0.50	1.03	0.50
Voltage Constant (20°C)	V/1krp 66	34	71	34
Winding Resistance (20°C)	Ω 1.23	0.315	0.949	0.230
Winding Inductance (20°C)	mH 10.7	2.81	9.12	2.14
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ² 3.55	3.55	4.61	4.61
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ² 4.00	4.00	5.06	5.06
Weight (w/o brake)	kg 7.7	7.7	9.2	9.2
Weight (w/ brake)	kg 9.7	9.7	11.2	11.2
Brake Data				
Brake Type	Mechanical spring pressurized type			
Brake Backlash Max.	arcmin 30			
Static Torque (20°C)	N.m 15.0			
Rated Voltage	VDC 24±10%			
Brake Rated Current (20°C)	A 0.81±7%			
Brake Rated Power (20°C)	W 19.5±7%			
Connector Type				
Power Connector Type	M23 8-Pin (Double Cable)	M23 9-Pin (Single Cable)		
Feedback Connector Type	M23 12-Pin (Double Cable)			

Torque Characteristic Diagram



Dimensions

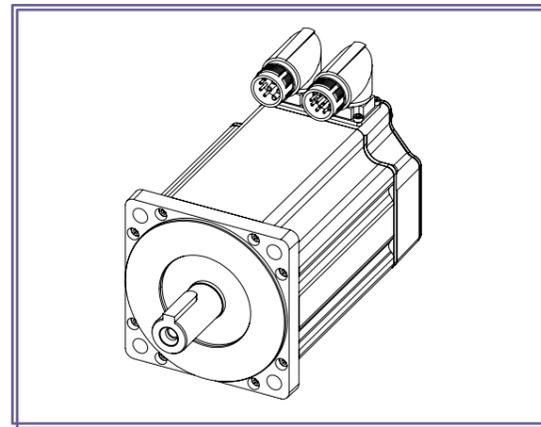


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE130-E08620M / PASE130-E08045M	180	233
PASE130-E10420M / PASE130-E09445M	205	258

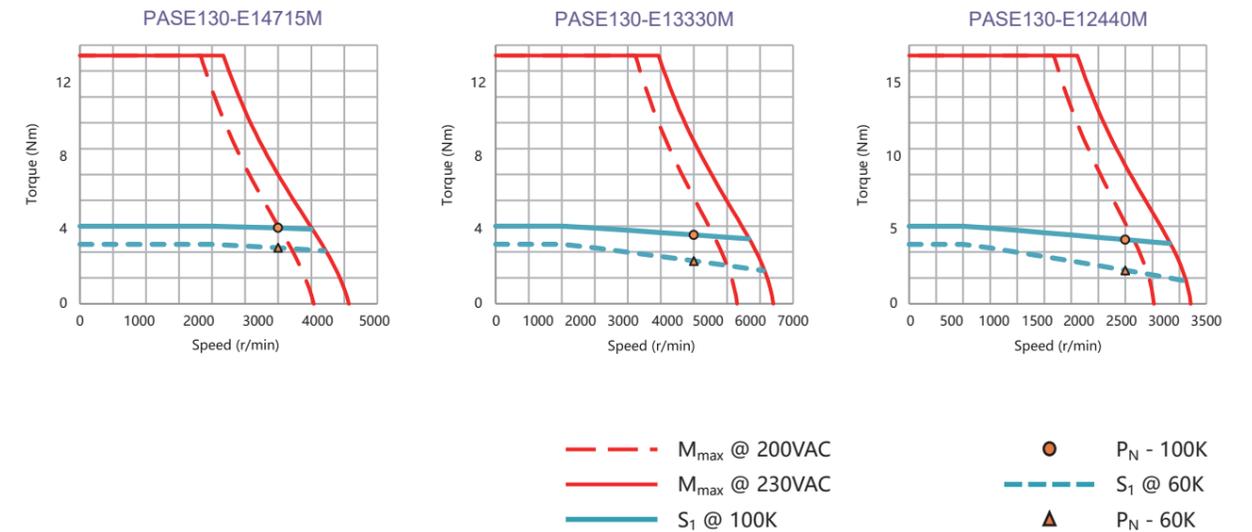
PASE130

High Performance

Series 2.31~5.19KW

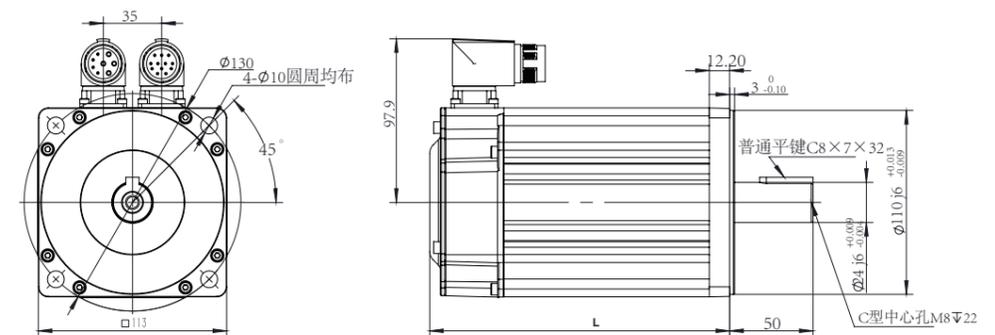


Torque Characteristic Diagram



Model	PASE130-E14715M	PASE130-E13330M	PASE130-E12440M	
Operating Voltage	VAC	230(200 ... 250)		
Rated Operating Point (100K)				
Rated Power (100K)	KW	2.31	4.18	5.19
Rated Speed	r/min	1500	3000	4000
Rated Torque (100K)	N.m	14.7	13.3	12.4
Rated Current (100K)	A	9.5	17.8	20.5
Rated Voltage (100K)	VAC	199	183	193
Rated Operating Point (60K)				
Rated Power (60K)	KW	1.70	2.61	2.72
Rated Speed	r/min	1500	3000	4000
Rated Torque (60K)	N.m	10.8	8.3	6.5
Rated Current (60K)	A	6.9	11.0	10.6
Rated Voltage (60K)	VAC	189	173	182
Limit Data				
Max. Allowable Speed (Mechanical)	r/min	6500		
Peak Torque	N.m	48.0	48.0	48.0
Peak Current	A	31.8	65.6	81.4
Peak Torque Turning Point (230VAC)	r/min	1050	2450	3100
Motor Data				
Polar Number	Poles	4		
Torque Constant (100K)	Nm/A	1.55	0.75	0.60
Voltage Constant (20°C)	V/1krp	107	52	42
Winding Resistance (20°C)	Ω	1.23	0.298	0.191
Winding Inductance (20°C)	mH	13.3	3.12	2.03
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	6.75	6.75	6.75
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	7.20	7.20	7.20
Weight (w/o brake)	kg	12.4	12.4	12.4
Weight (w/ brake)	kg	14.4	14.4	14.4
Brake Data				
Brake Type	Mechanical spring pressurized type			
Brake Backlash Max.	arcmin	30		
Static Torque (20°C)	N.m	15.0		
Rated Voltage	VDC	24±10%		
Brake Rated Current (20°C)	A	0.81±7%		
Brake Rated Power (20°C)	W	19.5±7%		
Connector Type				
Power Connector Type	M23 8-Pin (Double Cable)		M23 9-Pin (Single Cable)	
Feedback Connector Type	M23 12-Pin (Double Cable)			

Dimensions

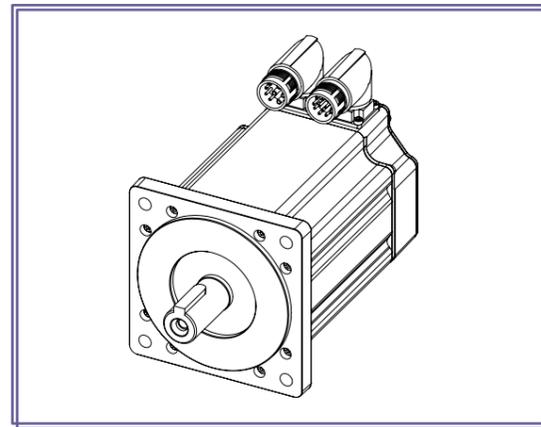


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE130-E14715M / PASE130-E13330M / PASE130-E12440M	255	308

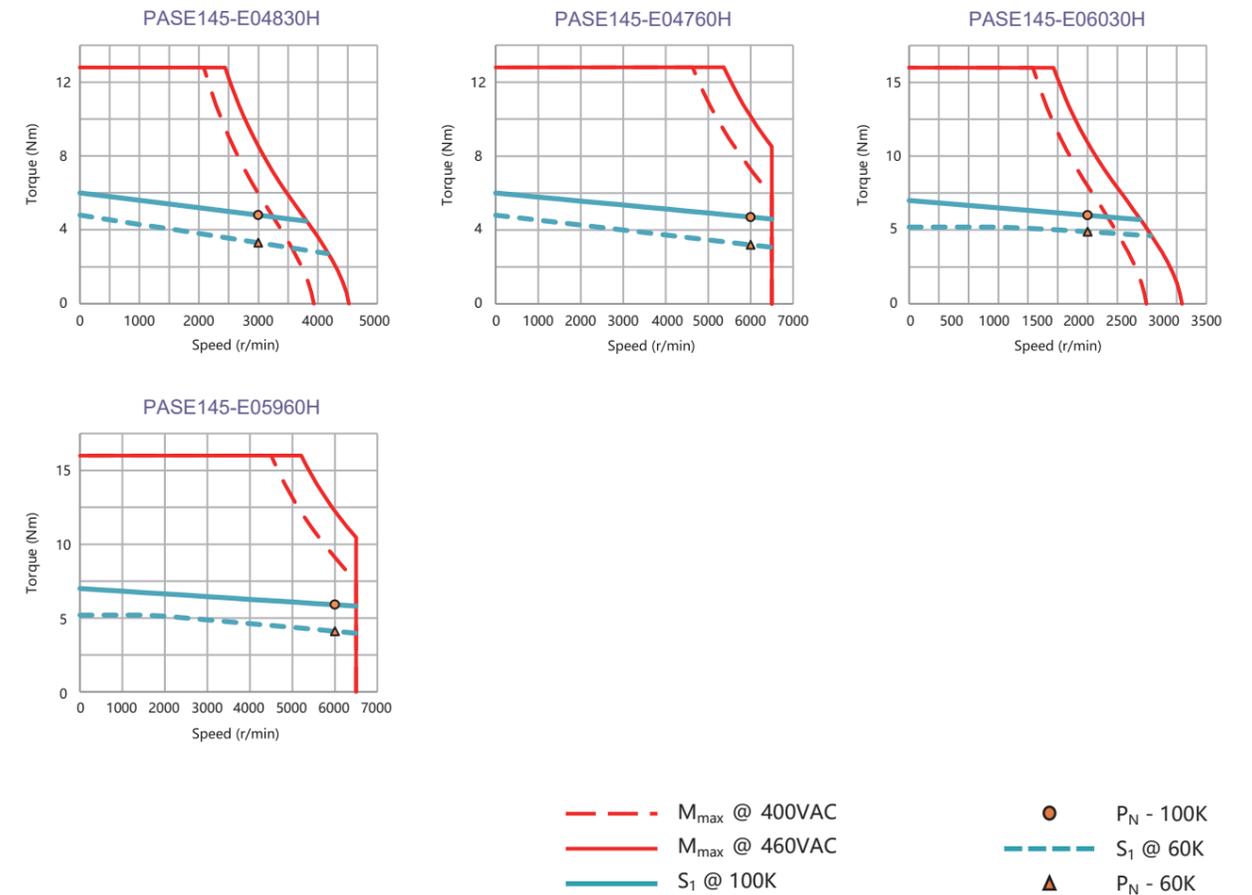
PASE145

High Performance

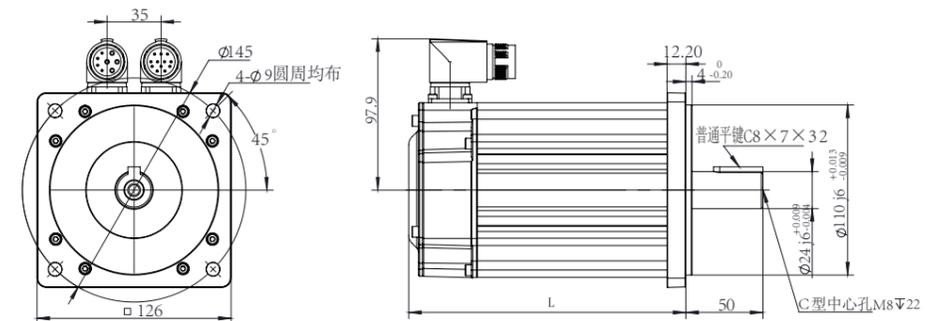
Series 1.15~3.71KW



Torque Characteristic Diagram



Dimensions



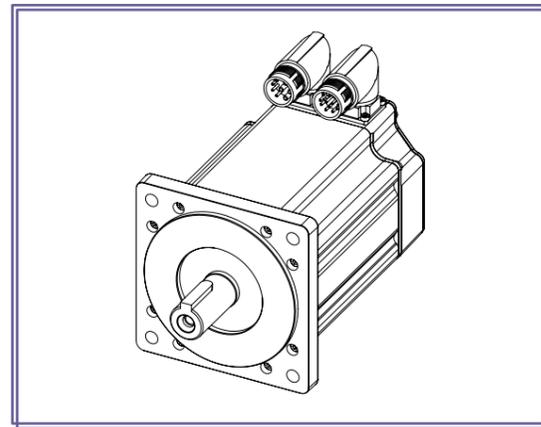
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE145-E04830H / PASE145-E04760H	145	198
PASE145-E06030H / PASE145-E05960H	155	208

Model	PASE145-E04830H	PASE145-E04760H	PASE145-E06030H	PASE145-E05960H
Operating Voltage	VAC 400(380 ... 480)			
Rated Operating Point (100K)				
Rated Power (100K)	KW 1.51	2.95	1.88	3.71
Rated Speed	r/min 3000	6000	3000	6000
Rated Torque (100K)	N.m 4.8	4.7	6.0	5.9
Rated Current (100K)	A 3.4	7.0	4.3	8.7
Rated Voltage (100K)	VAC 374	347	363	345
Rated Operating Point (60K)				
Rated Power (60K)	KW 1.04	2.01	1.54	2.58
Rated Speed	r/min 3000	6000	3000	6000
Rated Torque (60K)	N.m 3.3	3.2	4.9	4.1
Rated Current (60K)	A 2.3	4.7	3.5	6.0
Rated Voltage (60K)	VAC 344	321	345	321
Limit Data				
Max. Allowable Speed (Mechanical)	r/min 6500			
Peak Torque	N.m 12.8	12.8	16.0	16.0
Peak Current	A 9.4	19.6	12.7	26.0
Peak Torque Turning Point (230VAC)	r/min 2050	4600	2050	4500
Motor Data				
Polar Number	Poles 4			
Torque Constant (100K)	Nm/A 1.41	0.68	1.39	0.68
Voltage Constant (20°C)	V/1krp 97	46	95	46
Winding Resistance (20°C)	Ω 5.55	1.33	3.49	0.851
Winding Inductance (20°C)	mH 44.4	10.3	34.5	8.21
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ² 2.05	2.05	2.48	2.48
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ² 2.50	2.50	2.93	2.93
Weight (w/o brake)	kg 5.5	5.5	6.2	6.2
Weight (w/ brake)	kg 7.5	7.5	6.6	6.6
Brake Data				
Brake Type	Mechanical spring pressurized type			
Brake Backlash Max.	arcmin 30			
Static Torque (20°C)	N.m 15.0			
Rated Voltage	VDC 24±10%			
Brake Rated Current (20°C)	A 0.81±7%			
Brake Rated Power (20°C)	W 19.5±7%			
Connector Type				
Power Connector Type	M23 8-Pin (Double Cable)	M23 9-Pin (Single Cable)		
Feedback Connector Type	M23 12-Pin (Double Cable)			

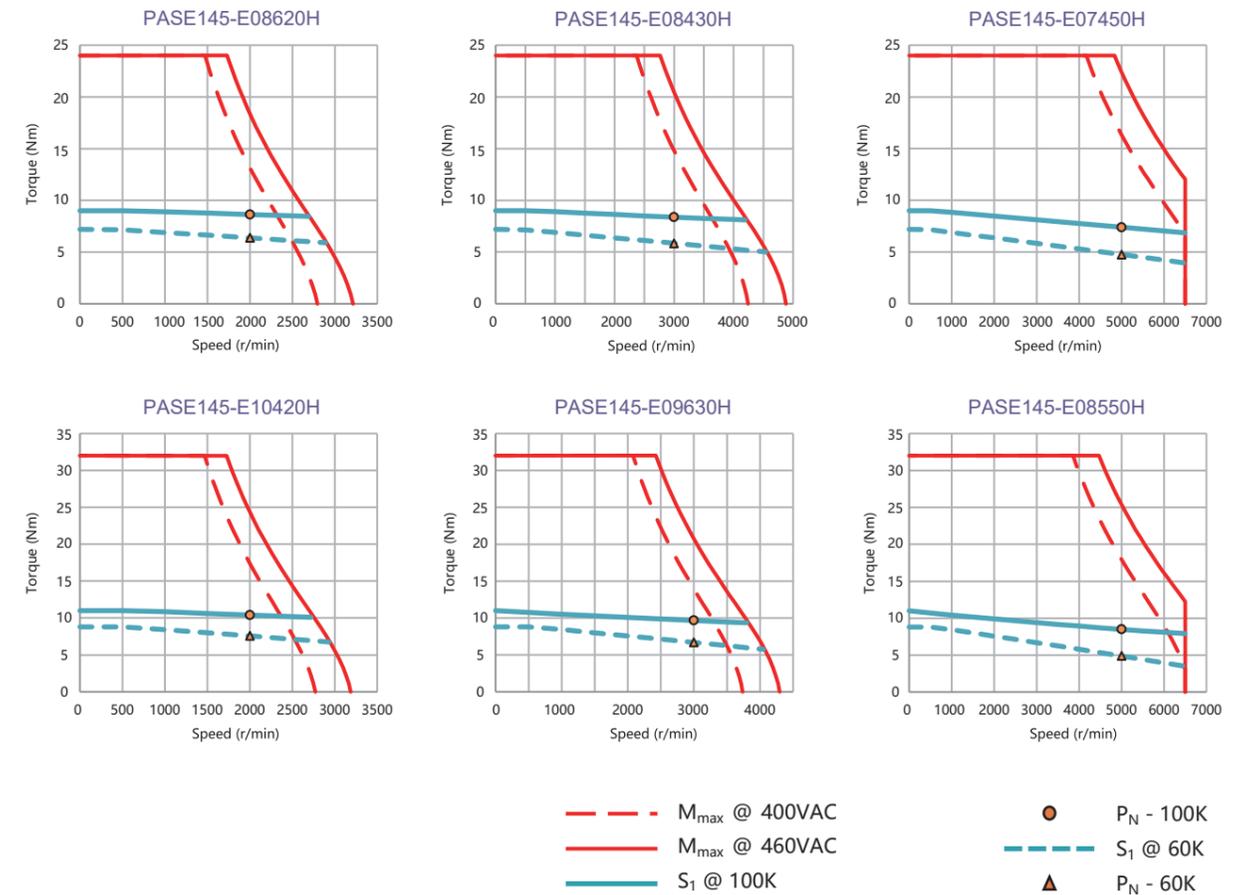
PASE145

High Performance

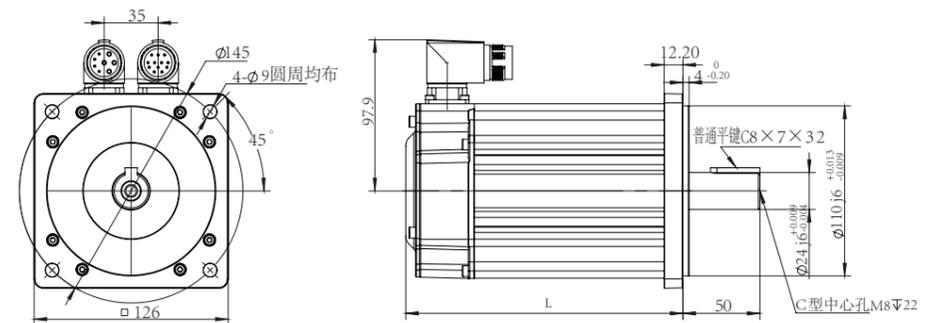
Series 1.80~4.45KW



Torque Characteristic Diagram



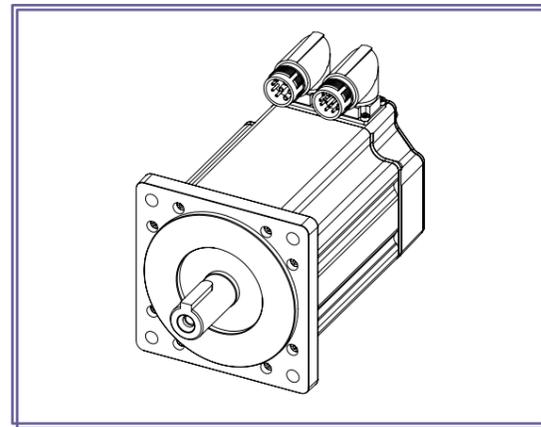
Dimensions



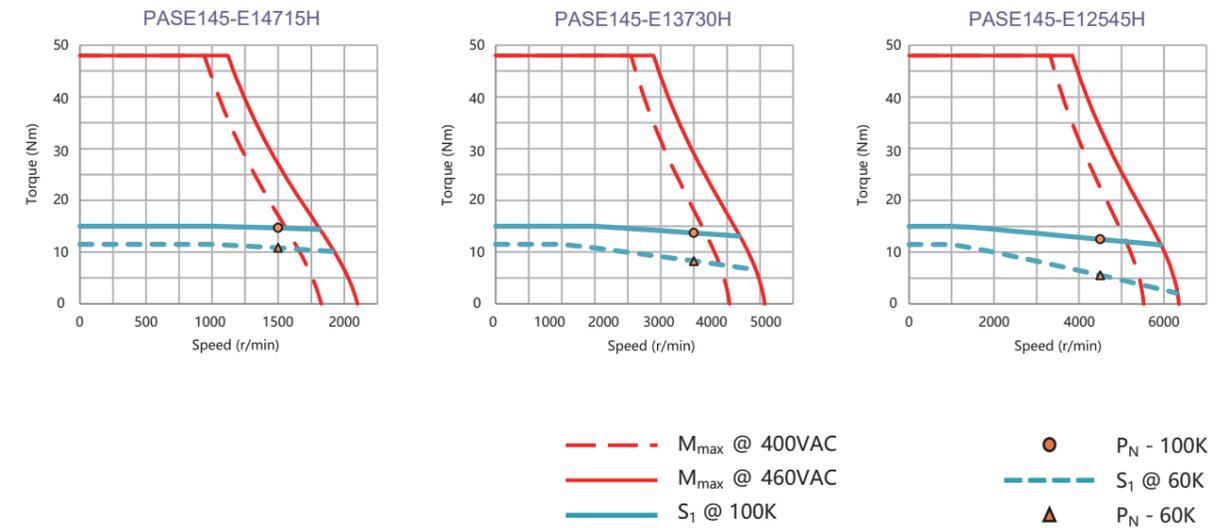
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE145-E08620H / PASE145-E08430H / PASE145-E07450H	180	233
PASE145-E10420H / PASE145-E09630H / PASE145-E08550H	205	258

Model	PASE145-E08620H	PASE145-E08430H	PASE145-E07450H	PASE145-E10420H	PASE145-E09630H	PASE145-E08550H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	1.80	2.64	3.87	2.18	3.02	4.45
Rated Speed	r/min	2000	3000	5000	2000	3000	5000
Rated Torque (100K)	N.m	8.6	8.4	7.4	10.4	9.6	8.5
Rated Current (100K)	A	4.3	6.4	9.5	5.2	6.5	10.1
Rated Voltage (100K)	VAC	349	334	315	343	366	332
Rated Operating Point (60K)							
Rated Power (60K)	KW	1.34	1.82	2.51	1.59	2.10	2.57
Rated Speed	r/min	2000	3000	5000	2000	3000	5000
Rated Torque (60K)	N.m	6.4	5.8	4.8	7.6	6.7	4.9
Rated Current (60K)	A	3.2	4.4	6.1	3.7	4.4	5.7
Rated Voltage (60K)	VAC	327	311	297	322	346	314
Limit Data							
Max. Allowable Speed (Mechanical)	r/min						6500
Peak Torque	N.m	24.0	24.0	24.0	32.0	32.0	32.0
Peak Current	A	12.6	19.1	32.2	16.6	22.4	39.6
Peak Torque Turning Point (230VAC)	r/min	1450	2350	4150	1450	2050	3850
Motor Data							
Polar Number	Poles						4
Torque Constant (100K)	Nm/A	1.99	1.31	0.78	2.00	1.49	0.84
Voltage Constant (20°C)	V/1krp	136	90	53	137	102	57
Winding Resistance (20°C)	Ω	5.04	2.19	0.778	3.69	1.93	0.612
Winding Inductance (20°C)	mH	44.9	19.5	6.84	34.2	18.8	6.02
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	3.55	3.55	3.55	4.61	4.61	4.61
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	4.00	4.00	4.00	5.06	5.06	5.06
Weight (w/o brake)	kg	7.7	7.7	7.7	9.2	9.2	9.2
Weight (w/ brake)	kg	9.7	9.7	9.7	11.2	11.2	11.2
Brake Data							
Brake Type	Mechanical spring pressurized type						
Brake Backlash Max.	arcmin						30
Static Torque (20°C)	N.m						15.0
Rated Voltage	VDC						24±10%
Brake Rated Current (20°C)	A						0.81±7%
Brake Rated Power (20°C)	W						19.5±7%
Connector Type							
Power Connector Type	M23 8-Pin (Double Cable)		M23 9-Pin (Single Cable)				
Feedback Connector Type	M23 12-Pin (Double Cable)						

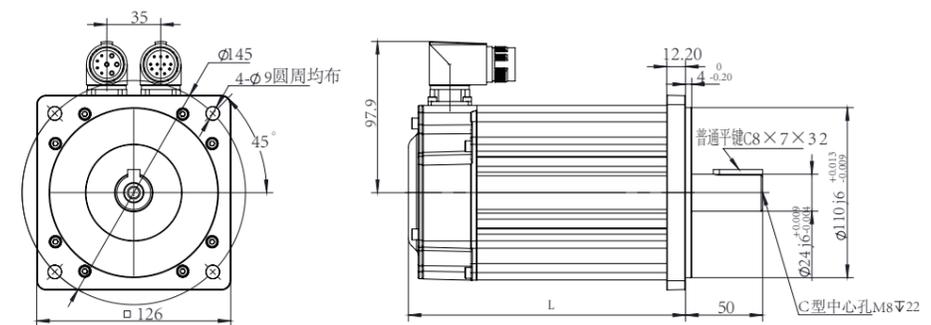
PASE145 High Performance Series 2.31~5.89KW



Torque Characteristic Diagram



Dimensions



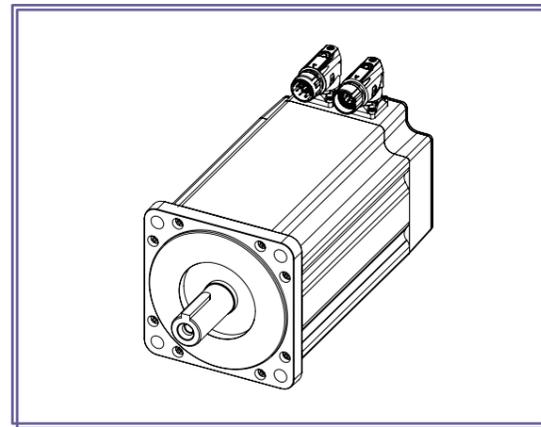
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE145-E14715H / PASE145-E13730H / PASE145-E12545H	255	308

Model	PASE145-E14715H	PASE145-E13730H	PASE145-E12545H	
Operating Voltage	VAC	400(380 ... 480)		
Rated Operating Point (100K)				
Rated Power (100K)	KW	2.31	4.30	5.89
Rated Speed	r/min	1500	3000	4500
Rated Torque (100K)	N.m	14.7	13.7	12.5
Rated Current (100K)	A	4.9	8.9	12.6
Rated Voltage (100K)	VAC	387	379	355
Rated Operating Point (60K)				
Rated Power (60K)	KW	1.70	2.61	2.64
Rated Speed	r/min	1500	3000	4500
Rated Torque (60K)	N.m	10.8	8.3	5.6
Rated Current (60K)	A	3.6	5.3	5.6
Rated Voltage (60K)	VAC	366	357	334
Limit Data				
Max. Allowable Speed (Mechanical)	r/min	6500		
Peak Torque	N.m	48.0	48.0	48.0
Peak Current	A	16.4	31.8	49.6
Peak Torque Turning Point (230VAC)	r/min	900	2050	3300
Motor Data				
Polar Number	Poles	4		
Torque Constant (100K)	Nm/A	2.99	1.55	0.99
Voltage Constant (20°C)	V/1krp	208	107	69
Winding Resistance (20°C)	Ω	4.77	1.23	0.497
Winding Inductance (20°C)	mH	49.9	13.3	5.46
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	6.75	6.75	6.75
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	7.20	7.20	7.20
Weight (w/o brake)	kg	12.4	12.4	12.4
Weight (w/ brake)	kg	14.4	14.4	14.4
Brake Data				
Brake Type	Mechanical spring pressurized type			
Brake Backlash Max.	arcmin	30		
Static Torque (20°C)	N.m	15.0		
Rated Voltage	VDC	24±10%		
Brake Rated Current (20°C)	A	0.81±7%		
Brake Rated Power (20°C)	W	19.5±7%		
Connector Type				
Power Connector Type	M23 8-Pin (Double Cable)		M23 9-Pin (Single Cable)	
Feedback Connector Type	M23 12-Pin (Double Cable)			

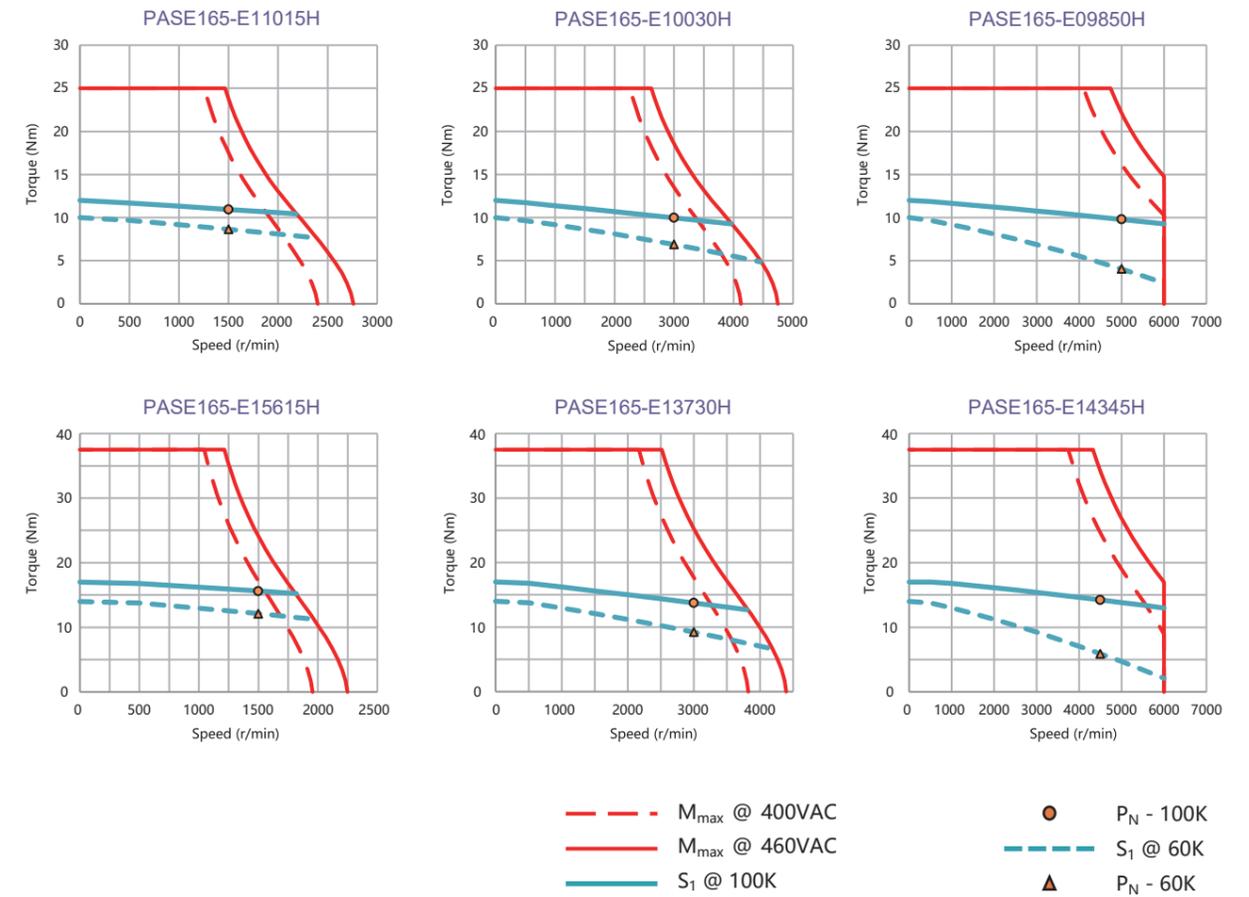
PASE165

High Performance

Series 1.7~6.7KW

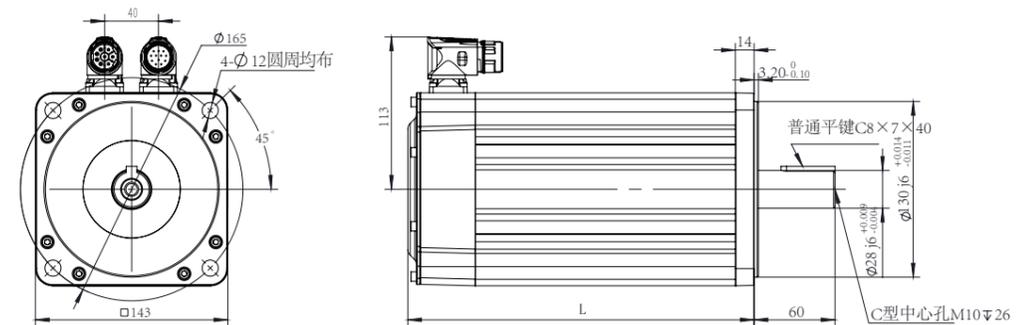


Torque Characteristic Diagram



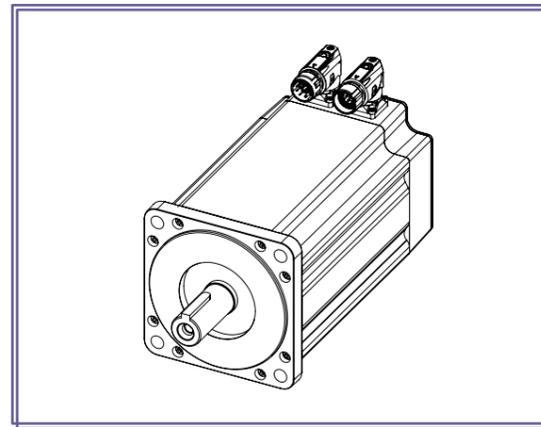
Model	PASE165-E11015H	PASE165-E10030H	PASE165-E09850H	PASE165-E15615H	PASE165-E13730H	PASE165-E14345H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	1.7	3.1	5.1	2.5	4.3	6.7
Rated Speed	r/min	1500	3000	5000	1500	3000	4500
Rated Torque (100K)	N.m	11.0	10.0	9.8	15.6	13.7	14.25
Rated Current (100K)	A	4.8	7.6	13.2	5.6	9.6	16.9
Rated Voltage (100K)	VAC	328	358	330	387	370	329
Rated Operating Point (60K)							
Rated Power (60K)	KW	1.4	2.2	2.1	1.9	2.9	2.8
Rated Speed	r/min	1500	3000	5000	1500	3000	4500
Rated Torque (60K)	N.m	8.7	6.9	4.0	12.1	9.2	5.9
Rated Current (60K)	A	3.7	5.0	5.2	4.2	6.2	6.7
Rated Voltage (60K)	VAC	301	325	284	357	341	289
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	6000					
Peak Torque	N.m	25.0	25.0	25.0	37.5	37.5	37.5
Peak Current	A	12	21	36	15	29	48
Peak Torque Turning Point (230VAC)	r/min	1250	2250	4100	1050	2150	3750
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	2.27	1.32	0.74	2.78	1.42	0.84
Voltage Constant (20°C)	V/1krp	158	92	52	194	99	59
Winding Resistance (20°C)	Ω	3.65	1.19	0.37	2.42	0.90	0.34
Winding Inductance (20°C)	mH	64.8	21.9	6.94	65.1	16.0	5.60
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	6.69	6.69	6.69	9.63	9.63	9.63
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	8.34	8.34	8.34	11.3	11.3	11.3
Weight (w/o brake)	kg	10.5	10.5	10.5	13.0	13.0	13.0
Weight (w/ brake)	kg	13.0	13.0	13.0	15.5	15.5	15.5
Brake Data							
Brake Type	Mechanical spring pressurized type						
Brake Backlash Max.	arcmin	30					
Static Torque (20°C)	N.m	40.0					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	1.17±7%					
Brake Rated Power (20°C)	W	28.0±7%					
Connector Type							
Power Connector Type	M23 8-Pin (Double Cable)		M23 9-Pin (Single Cable)				
Feedback Connector Type	M23 12-Pin (Double Cable)						

Dimensions

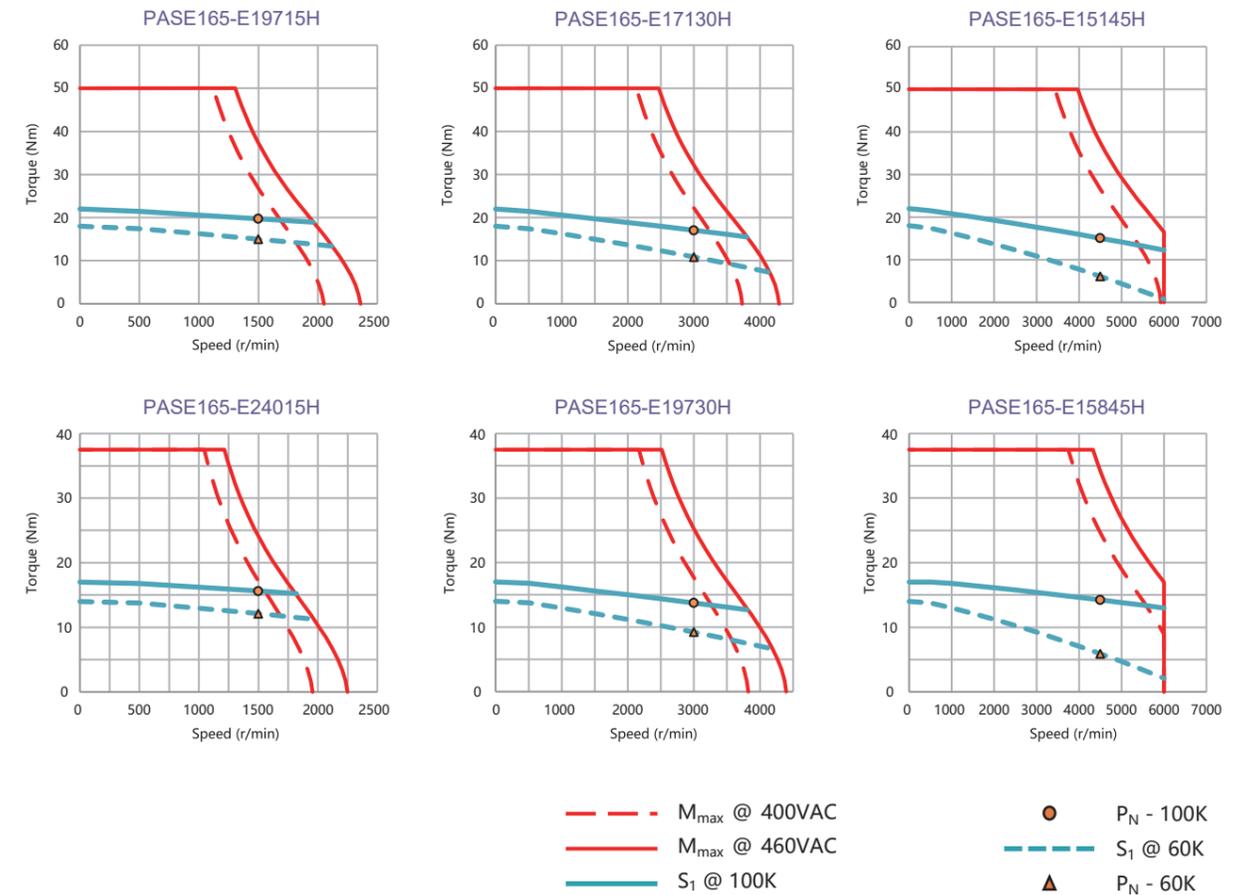


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE165-E11015H / PASE165-E10030H / PASE165-E09850H	182	236
PASE165-E15615H / PASE165-E13730H / PASE165-E14345H	207	261

PASE165 High Performance Series 3.1~7.4KW

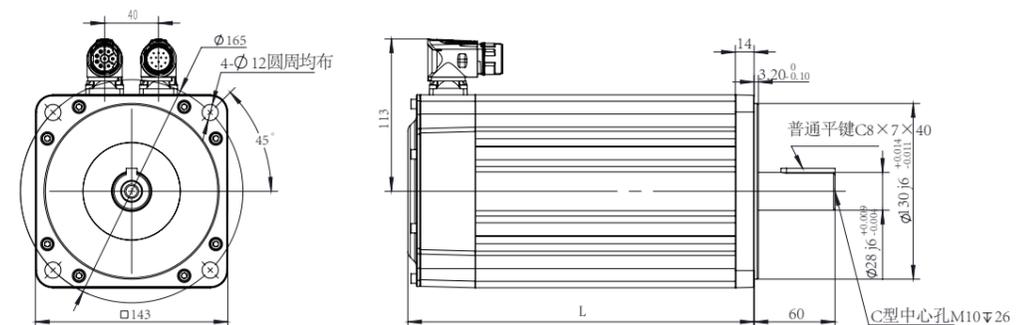


Torque Characteristic Diagram



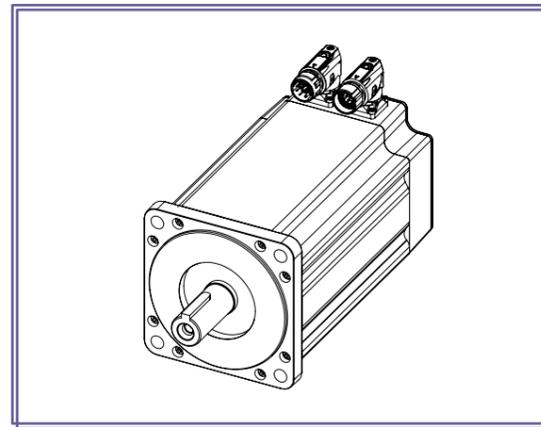
Model	PASE165-E19715H	PASE165-E17130H	PASE165-E15145H	PASE165-E24015H	PASE165-E19730H	PASE165-E15845H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	3.1	5.4	7.1	3.8	6.2	7.4
Rated Speed	r/min	1500	3000	4500	1500	3000	4500
Rated Torque (100K)	N.m	19.7	17.1	15.1	24.0	19.7	15.8
Rated Current (100K)	A	7.4	11.7	16.4	8.8	14.0	17.2
Rated Voltage (100K)	VAC	360	372	340	365	352	330
Rated Operating Point (60K)							
Rated Power (60K)	KW	2.4	3.4	2.9	2.7	3.7	2.6
Rated Speed	r/min	1500	3000	4500	1500	3000	4500
Rated Torque (60K)	N.m	15.0	10.9	6.1	17.3	11.8	5.5
Rated Current (60K)	A	5.4	7.2	6.4	6.1	8.1	5.8
Rated Voltage (60K)	VAC	334	344	311	337	326	308
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	6000					
Peak Torque	N.m	50.0	50.0	50.0	62.5	62.5	62.5
Peak Current	A	20	37	59	25	48	74
Peak Torque Turning Point (230VAC)	r/min	1100	2100	3400	1100	2200	3450
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	2.65	1.46	0.92	2.73	1.40	0.92
Voltage Constant (20°C)	V/1krp	185	102	64	191	98	64
Winding Resistance (20°C)	Ω	2.01	0.61	0.27	1.54	0.48	0.20
Winding Inductance (20°C)	mH	41.7	12.6	5.00	35.3	9.34	4.00
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	12.6	12.6	12.6	15.6	15.6	15.6
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	14.2	14.2	14.2	17.2	17.2	17.2
Weight (w/o brake)	kg	15.6	15.6	15.6	18.6	18.6	18.6
Weight (w/ brake)	kg	18.1	18.1	18.1	21.1	21.1	21.1
Brake Data							
Brake Type	Mechanical spring pressurized type						
Brake Backlash Max.	arcmin	30					
Static Torque (20°C)	N.m	40.0					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	1.17±7%					
Brake Rated Power (20°C)	W	28.0±7%					
Connector Type							
Power Connector Type	M23 8-Pin (Double Cable)	M23 9-Pin (Single Cable)	M40 8-Pin (Double Cable) M40 11-Pin (Single Cable)				
Feedback Connector Type	M23 12-Pin (Double Cable)						

Dimensions

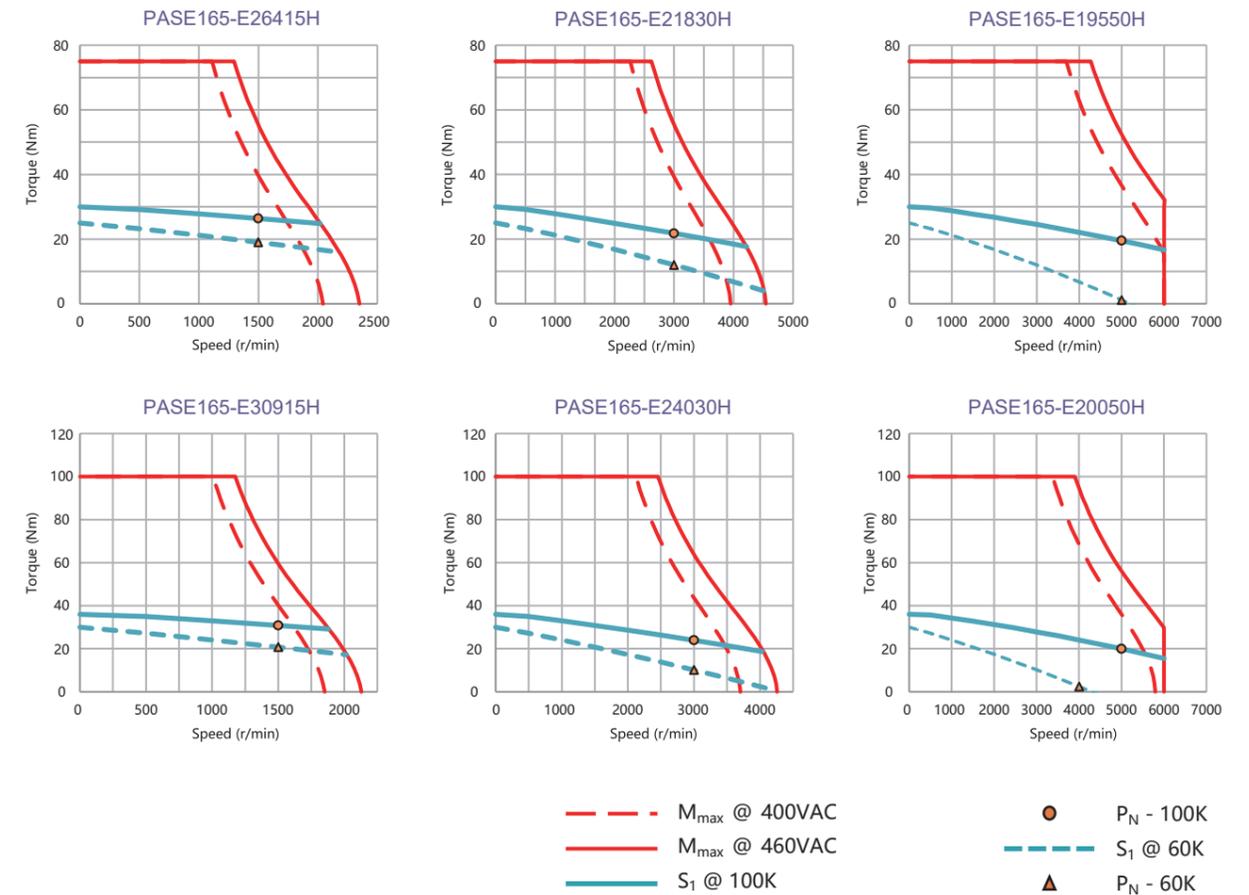


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE165-E19715H / PASE165-E17130H / PASE165-E15145H	232	286
PASE165-E24015H / PASE165-E19730H / PASE165-E15845H	232	286

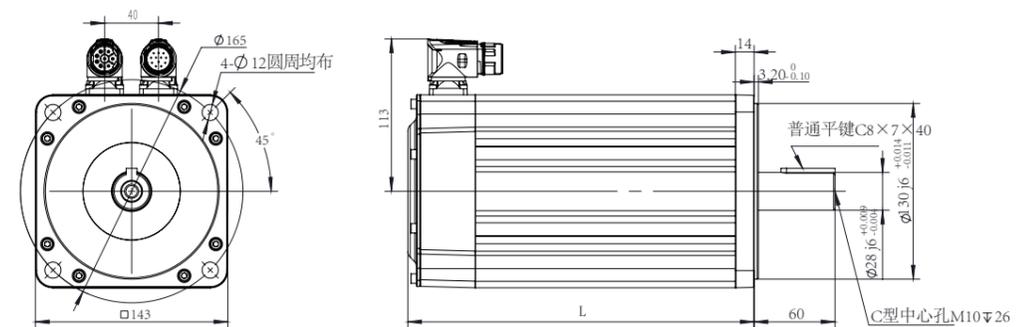
PASE165 High Performance Series 4.1~10.5KW



Torque Characteristic Diagram



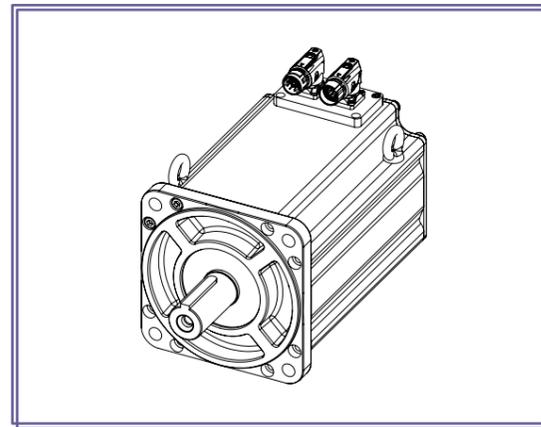
Dimensions



Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE165-E26415H / PASE165-E21830H / PASE165-E19550H	282	336
PASE165-E30915H / PASE165-E24030H / PASE165-E20050H	332	386

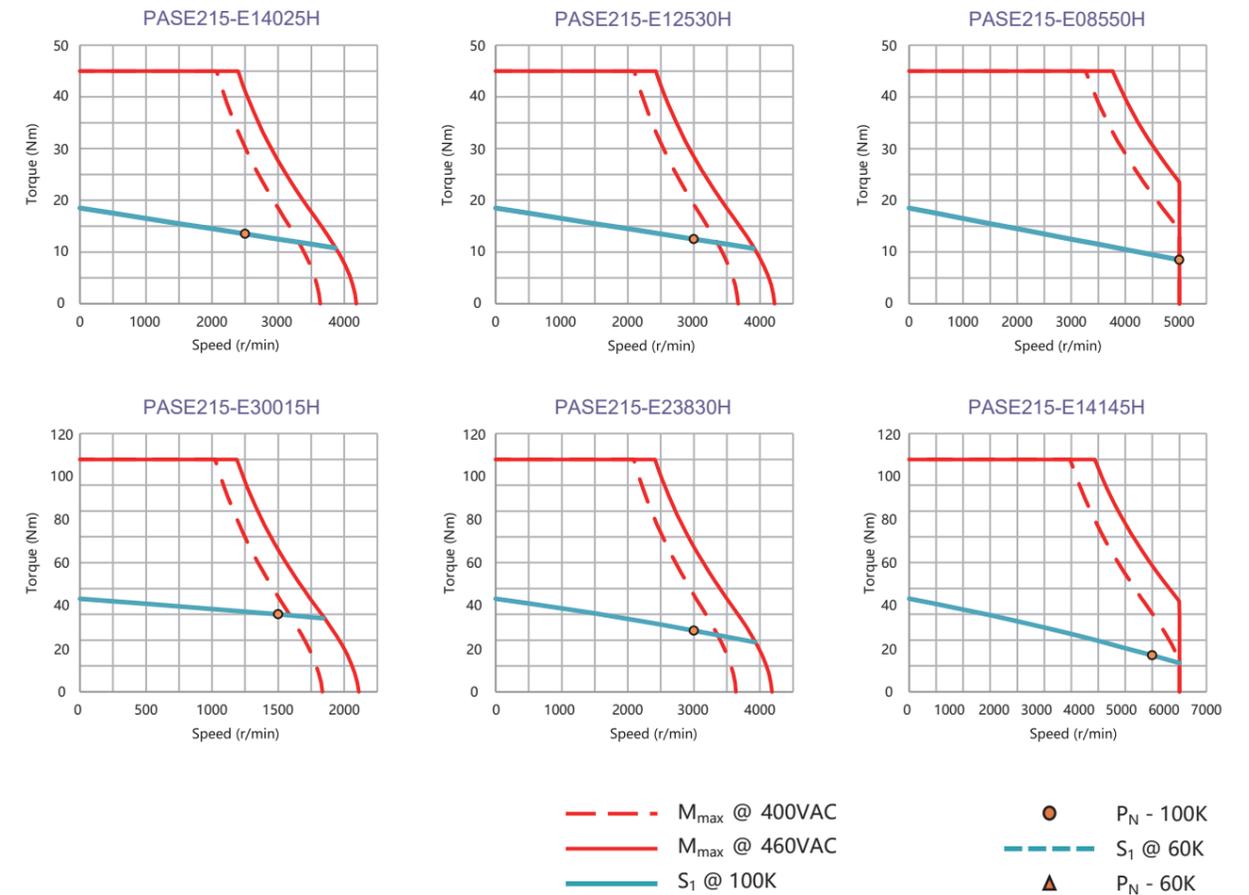
Model	PASE165-E26415H	PASE165-E21830H	PASE165-E19550H	PASE165-E30915H	PASE165-E24030H	PASE165-E20050H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	4.1	6.8	10.2	4.9	7.5	10.5
Rated Speed	r/min	1500	3000	5000	1500	3000	5000
Rated Torque (100K)	N.m	26.4	21.8	19.5	30.9	24.0	20.0
Rated Current (100K)	A	9.9	15.8	22.7	10.5	16.3	21.3
Rated Voltage (100K)	VAC	351	340	343	374	352	364
Rated Operating Point (60K)							
Rated Power (60K)	KW	3.0	3.8	0.6	3.3	3.2	1.0
Rated Speed	r/min	1500	3000	5000	1500	3000	4000
Rated Torque (60K)	N.m	19.0	12.0	1.1	20.8	10.2	2.5
Rated Current (60K)	A	6.9	8.4	1.2	6.8	6.7	2.6
Rated Voltage (60K)	VAC	326	316	315	349	330	277
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	6000					
Peak Torque	N.m	75.0	75.0	75.0	100.0	100.0	100.0
Peak Current	A	30	59	95	37	74	115
Peak Torque Turning Point (230VAC)	r/min	1100	2250	3700	1000	2100	3350
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	2.66	1.38	0.86	2.94	1.47	0.94
Voltage Constant (20°C)	V/1krp	186	96	60	205	103	66
Winding Resistance (20°C)	Ω	1.40	0.36	0.14	1.16	0.29	0.12
Winding Inductance (20°C)	mH	28.0	7.50	2.90	25.6	6.40	2.61
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	18.6	18.6	18.6	24.5	24.5	24.5
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	20.2	20.2	20.2	26.1	26.1	26.1
Weight (w/o brake)	kg	21.1	21.1	21.1	26.1	26.1	26.1
Weight (w/ brake)	kg	23.6	23.6	23.6	28.6	28.6	28.6
Brake Data							
Brake Type	Mechanical spring pressurized type						
Brake Backlash Max.	arcmin	30					
Static Torque (20°C)	N.m	40.0					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	1.17±7%					
Brake Rated Power (20°C)	W	28.0±7%					
Connector Type							
Power Connector Type	M23 8-Pin (Double Cable) M23 9-Pin (Single Cable)		M40 8-Pin (Double Cable) M40 11-Pin (Single Cable)		M23 8-Pin (Double Cable) M23 9-Pin (Single Cable)		M40 8-Pin (Double Cable) M40 11-Pin (Single Cable)
Feedback Connector Type	M23 12-Pin (Double Cable)						

PASE215 High Performance Series 3.7~6.6KW

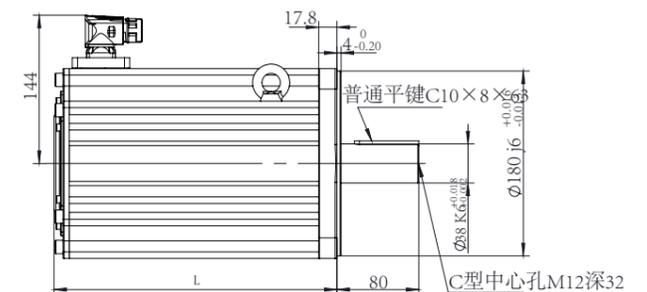
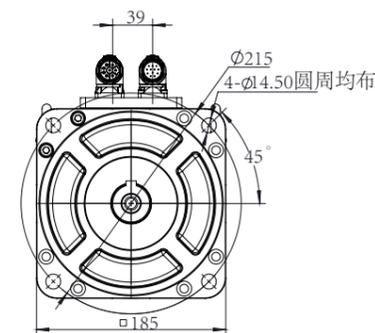


Model	PASE215-E14025H	PASE215-E12530H	PASE215-E08550H	PASE215-E30015H	PASE215-E23830H	PASE215-E14145H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	3.7	3.9	4.5	4.7	7.5	6.6
Rated Speed	r/min	2500	3000	5000	1500	3000	4500
Rated Torque (100K)	N.m	14.0	12.5	8.5	30.0	23.8	14.1
Rated Current (100K)	A	9.3	8.3	8.7	9.9	15.7	13.1
Rated Voltage (100K)	VAC	313	365	373	379	362	363
Rated Operating Point (60K)							
Rated Power (60K)	KW						
Rated Speed	r/min						
Rated Torque (60K)	N.m						
Rated Current (60K)	A						
Rated Voltage (60K)	VAC						
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	5000					
Peak Torque	N.m	45.0	45.0	45.0	90.0	90.0	90.0
Peak Current	A	31	31	47	31	61	86
Peak Torque Turning Point (230VAC)	r/min	2050	2100	3250	1000	2050	2950
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	1.51	1.50	0.98	3.00	1.51	1.07
Voltage Constant (20°C)	V/1krp	105	104	67	207	105	74
Winding Resistance (20°C)	Ω	0.66	0.59	0.25	0.92	0.26	0.12
Winding Inductance (20°C)	mH	15.0	14.7	6.25	29.5	7.50	3.77
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	19.2	19.2	19.2	35.5	35.5	35.5
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	25.5	25.5	25.5	41.8	41.8	41.8
Weight (w/o brake)	kg	24.2	24.2	24.2	29.6	29.6	29.6
Weight (w/ brake)	kg	31.2	31.2	31.2	36.6	36.6	36.6
Brake Data							
Brake Type		Permanent magnet type					
Brake Backlash Max.	arcmin	0					
Static Torque (20°C)	N.m	60.0					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	2.1±7%					
Brake Rated Power (20°C)	W	50±7%					
Connector Type							
Power Connector Type		M23 8-Pin (Double Cable)	M23 9-Pin (Single Cable)	M40 8-Pin (Double Cable) M40 11-Pin (Single Cable)			
Feedback Connector Type		M23 12-Pin (Double Cable)					

Torque Characteristic Diagram

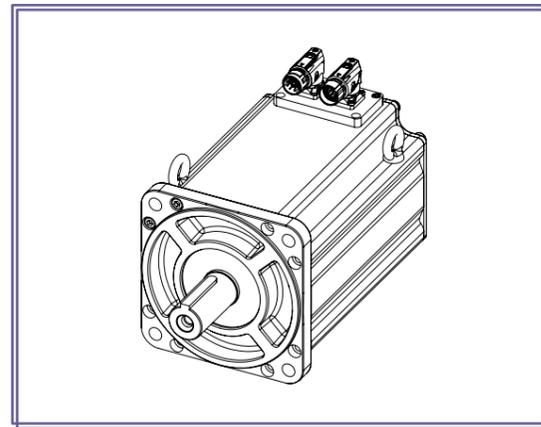


Dimensions



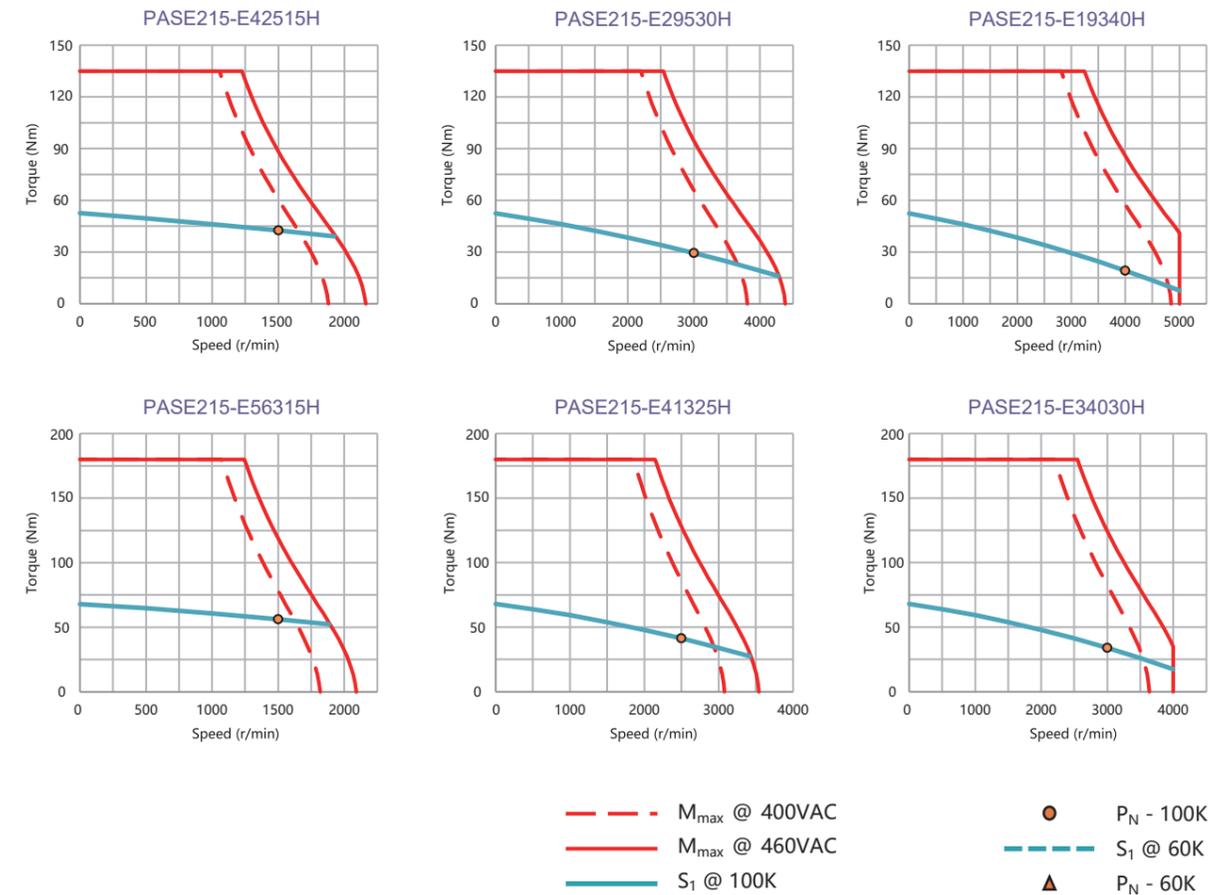
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE215-E14025H / PASE215-E12530H / PASE215-E08550H	176.3	261.6
PASE215-E30015H / PASE215-E23830H / PASE215-E14145H	226.3	311.6

PASE215 High Performance Series 6.7~10.7KW

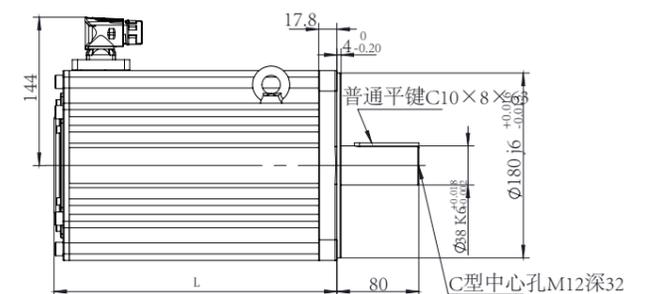
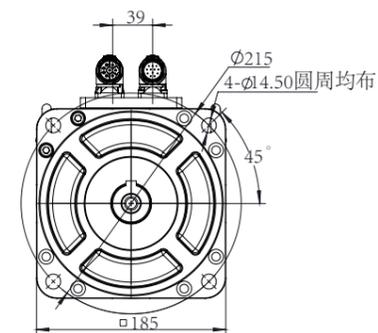


Model	PASE215-E42515H	PASE215-E29530H	PASE215-E19340H	PASE215-E56315H	PASE215-E41325H	PASE215-E34030H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	6.7	9.3	8.1	8.8	10.8	10.7
Rated Speed	r/min	1500	3000	4000	1500	2500	3000
Rated Torque (100K)	N.m	42.5	29.5	19.3	56.3	41.3	34.0
Rated Current (100K)	A	14.5	20.4	17.0	18.6	23.1	22.5
Rated Voltage (100K)	VAC	365	336	340	371	347	345
Rated Operating Point (60K)							
Rated Power (60K)	KW						
Rated Speed	r/min						
Rated Torque (60K)	N.m						
Rated Current (60K)	A						
Rated Voltage (60K)	VAC						
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	5000	5000	5000	4000	4000	4000
Peak Torque	N.m	135	135	135	180	180	180
Peak Current	A	47	96	123	61	104	123
Peak Torque Turning Point (230VAC)	r/min	1050	2200	2800	1050	1850	2200
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	2.93	1.44	1.13	3.02	1.79	1.51
Voltage Constant (20°C)	V/1krp	202	100	78	209	123	104
Winding Resistance (20°C)	Ω	0.53	0.14	0.087	0.44	0.17	0.12
Winding Inductance (20°C)	mH	18.7	4.56	2.81	13.7	4.79	3.43
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	51.8	51.8	51.8	68.1	68.1	68.1
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	58.1	58.1	58.1	74.4	74.4	74.4
Weight (w/o brake)	kg	35.0	35.0	35.0	40.4	40.4	40.4
Weight (w/ brake)	kg	42.0	42.0	42.0	55.0	55.0	55.0
Brake Data							
Brake Type	Permanent magnet type						
Brake Backlash Max.	arcmin	0					
Static Torque (20°C)	N.m	60.0					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	2.1±7%					
Brake Rated Power (20°C)	W	50±7%					
Connector Type							
Power Connector Type	M23 8-Pin (Double Cable) M23 9-Pin (Single Cable)	M40 8-Pin // Junction box (Double Cable) M40 11-Pin (Single Cable)	M23 8-Pin (Double Cable) M23 9-Pin (Single Cable)	M40 8-Pin // Junction box (Double Cable) M40 11-Pin (Single Cable)			
Feedback Connector Type	M23 12-Pin (Double Cable)						

Torque Characteristic Diagram

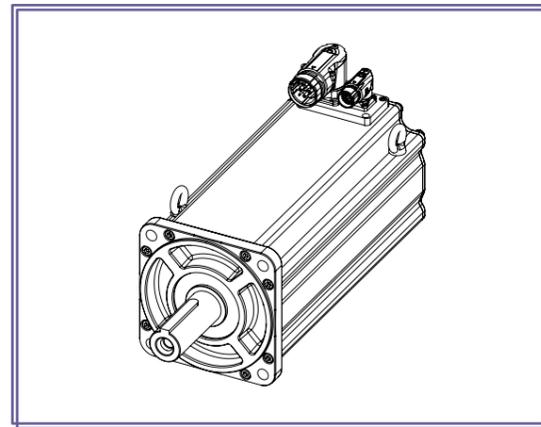


Dimensions



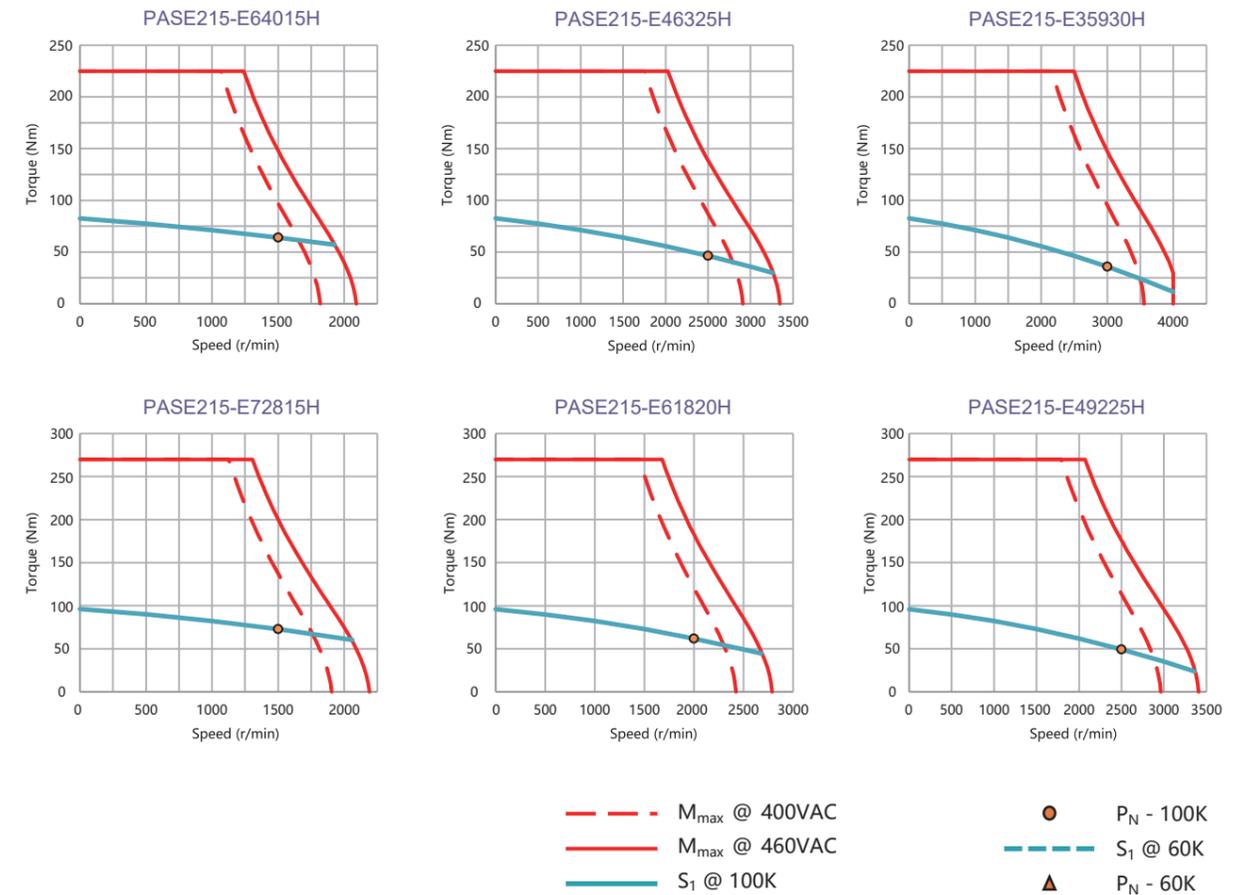
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE215-E42515H / PASE215-E29530H / PASE215-E19340H	276.3	361.6
PASE215-E56315H / PASE215-E41325H / PASE215-E34030H	326.3	411.6

PASE215 High Performance Series 10.1~12.9KW

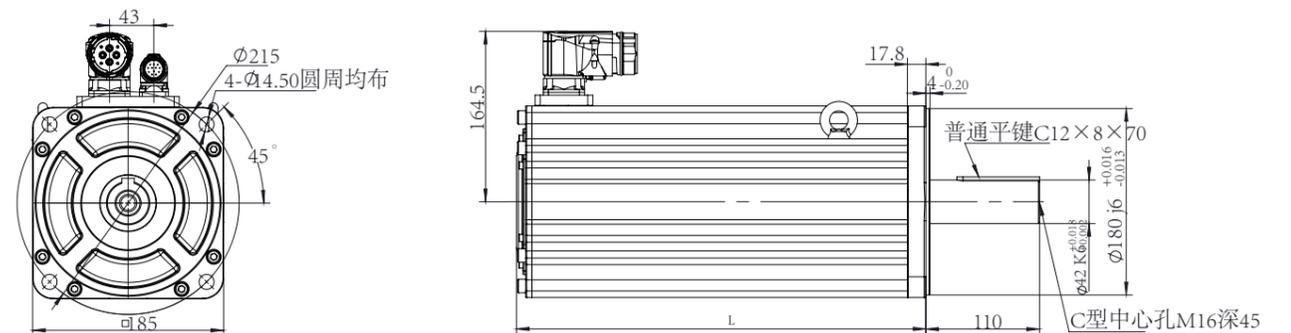


Model	PASE215-E64015H	PASE215-E46325H	PASE215-E35930H	PASE215-E72815H	PASE215-E61820H	PASE215-E49225H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	10.1	12.1	1.3	11.4	12.9	12.9
Rated Speed	r/min	1500	2500	3000	1500	2000	2500
Rated Torque (100K)	N.m	64.0	46.3	35.9	72.8	61.8	49.2
Rated Current (100K)	A	21.2	24.5	23.2	25.2	27.2	26.5
Rated Voltage (100K)	VAC	366	363	349	346	353	352
Rated Operating Point (60K)							
Rated Power (60K)	KW						
Rated Speed	r/min						
Rated Torque (60K)	N.m						
Rated Current (60K)	A						
Rated Voltage (60K)	VAC						
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	4000					
Peak Torque	N.m	225	225	225	270	270	270
Peak Current	A	77	123	150	96	123	150
Peak Torque Turning Point (230VAC)	r/min	1050	1750	2150	1100	1450	1750
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	3.02	1.89	1.55	2.89	2.27	1.86
Voltage Constant (20°C)	V/1krp	209	131	107	199	157	128
Winding Resistance (20°C)	Ω	0.37	0.15	0.095	0.27	0.17	0.11
Winding Inductance (20°C)	mH	11.0	4.29	2.87	8.34	5.15	3.45
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	87.5	87.5	87.5	104	104	104
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²						
Weight (w/o brake)	kg	45.8	45.8	45.8	51.2	51.2	51.2
Weight (w/ brake)	kg						
Brake Data							
Brake Type							
Brake Backlash Max.	arcmin						
Static Torque (20°C)	N.m						
Rated Voltage	VDC						
Brake Rated Current (20°C)	A						
Brake Rated Power (20°C)	W						
Connector Type							
Power Connector Type		M40 8-Pin // junction box (Double Cable)		M40 11-Pin (Single Cable)			
Feedback Connector Type		M23 12-Pin (Double Cable)					

Torque Characteristic Diagram

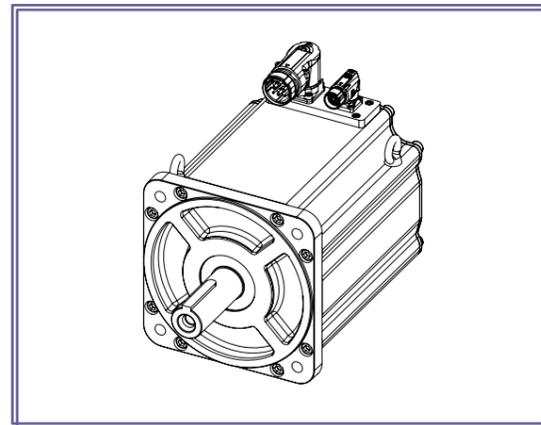


Dimensions



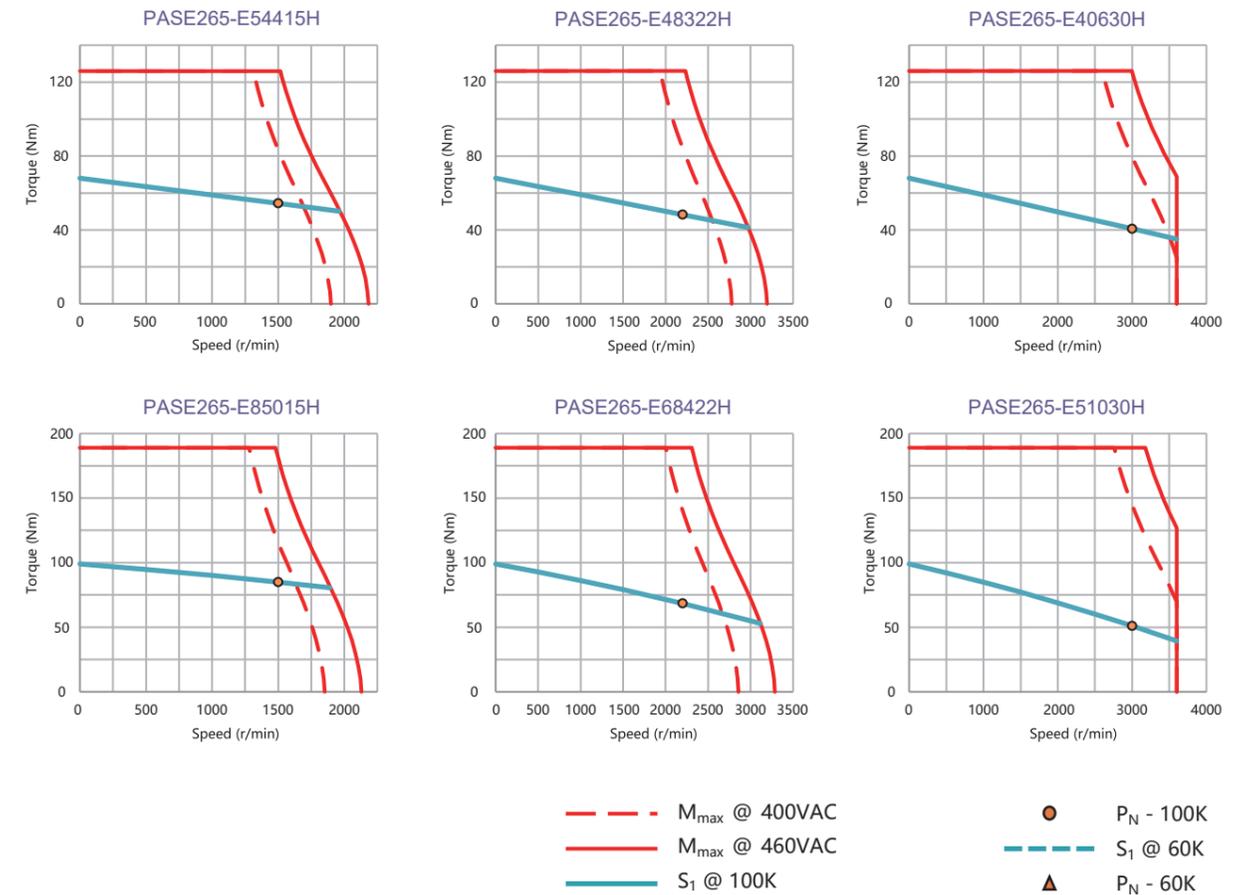
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE215-E64015H / PASE215-E46325H / PASE215-E35930H	396.3	/
PASE215-E72815H / PASE215-E61820H / PASE215-E49225H	446.3	/

PASE265 High Performance Series 8.5~16.0KW

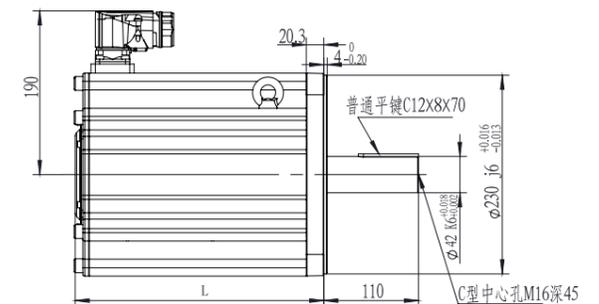
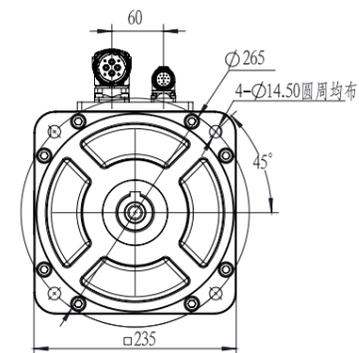


Model	PASE265-E54415H	PASE265-E48322H	PASE265-E40630H	PASE265-E85015H	PASE265-E68422H	PASE265-E51030H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	8.5	11.1	12.8	13.4	15.8	16.0
Rated Speed	r/min	1500	2200	3000	1500	2200	3000
Rated Torque (100K)	N.m	54.4	48.3	40.6	85.0	68.4	51.0
Rated Current (100K)	A	18.8	24.4	27.4	28.6	35.5	36.3
Rated Voltage (100K)	VAC	358	349	347	369	336	322
Rated Operating Point (60K)							
Rated Power (60K)	KW						
Rated Speed	r/min						
Rated Torque (60K)	N.m						
Rated Current (60K)	A						
Rated Voltage (60K)	VAC						
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	3600					
Peak Torque	N.m	126	126	126	189	189	189
Peak Current	A	48	70	93	70	107	147
Peak Torque Turning Point (230VAC)	r/min	1300	1900	2600	1250	2000	2750
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	2.89	1.98	1.48	2.98	1.93	1.41
Voltage Constant (20°C)	V/1krp	200	137	103	205	133	97
Winding Resistance (20°C)	Ω	0.29	0.15	0.081	0.19	0.079	0.046
Winding Inductance (20°C)	mH	14.2	6.62	3.72	9.93	4.17	2.21
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	101	101	101	149	149	149
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	116	116	116	164	164	164
Weight (w/o brake)	kg	42	42	42	57	57	57
Weight (w/ brake)	kg	57	57	57	72	72	72
Brake Data							
Brake Type	Mechanical spring pressurized type						
Brake Backlash Max.	arcmin	30					
Static Torque (20°C)	N.m	125					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	2.3±7%					
Brake Rated Power (20°C)	W	55±7%					
Connector Type							
Power Connector Type	M23 8-Pin	M40 8-Pin	M40 8-Pin / Junction Box	M58 / Junction Box			
Feedback Connector Type	M23 12-Pin						

Torque Characteristic Diagram



Dimensions

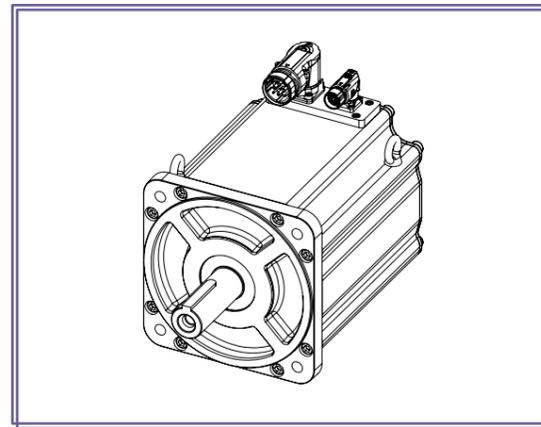


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE265-E54415H / PASE265-E48322H / PASE265-E40630H	238.7	348.7
PASE265-E85015H / PASE265-E68422H / PASE265-E51030H	288.7	398.7

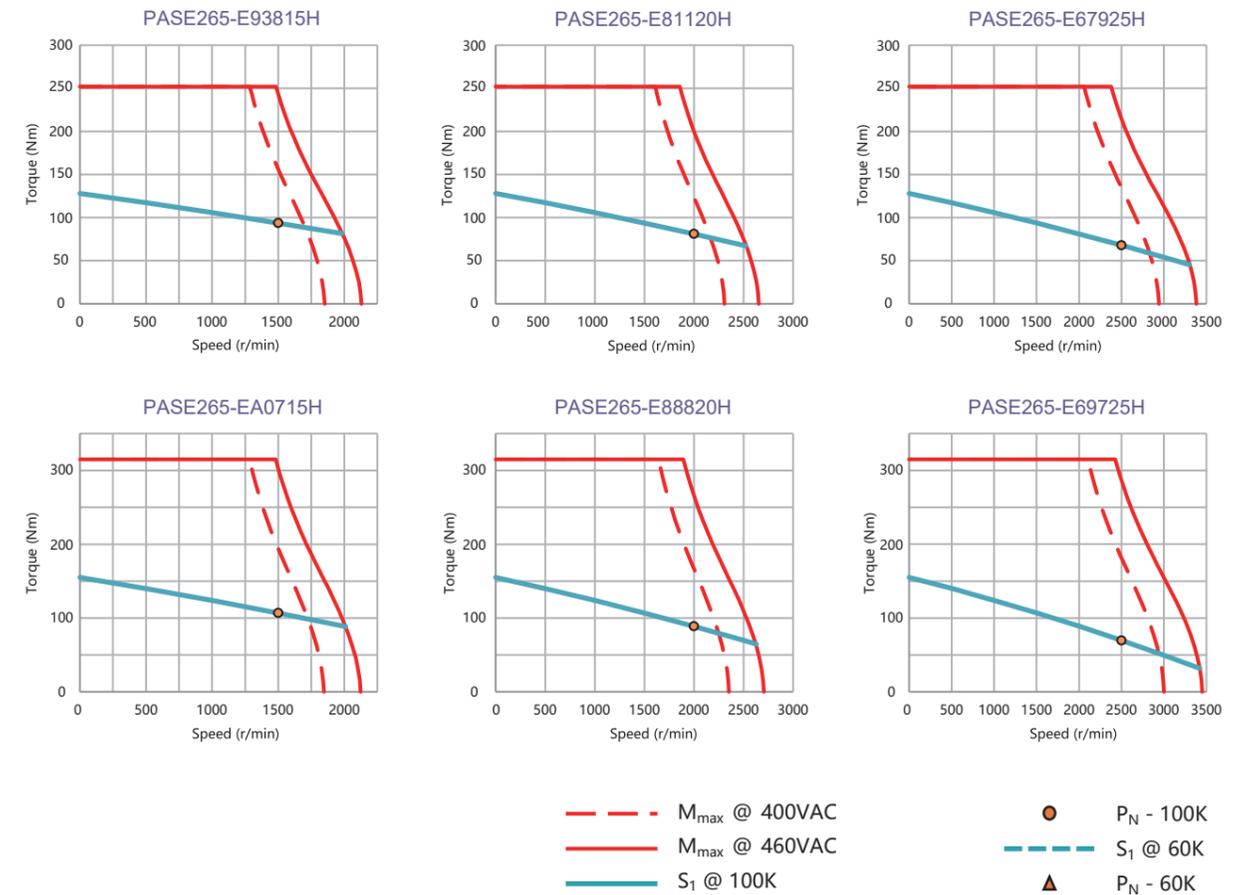
PASE265

High Performance

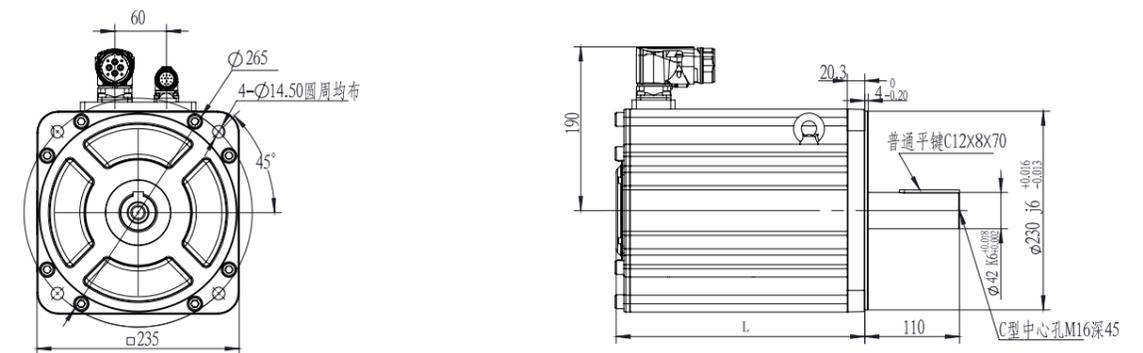
Series 14.7~18.2KW



Torque Characteristic Diagram



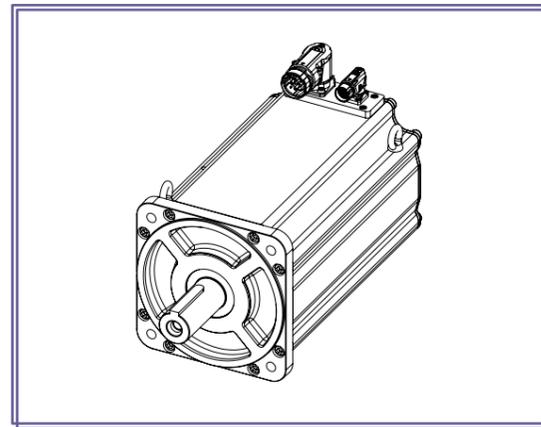
Dimensions



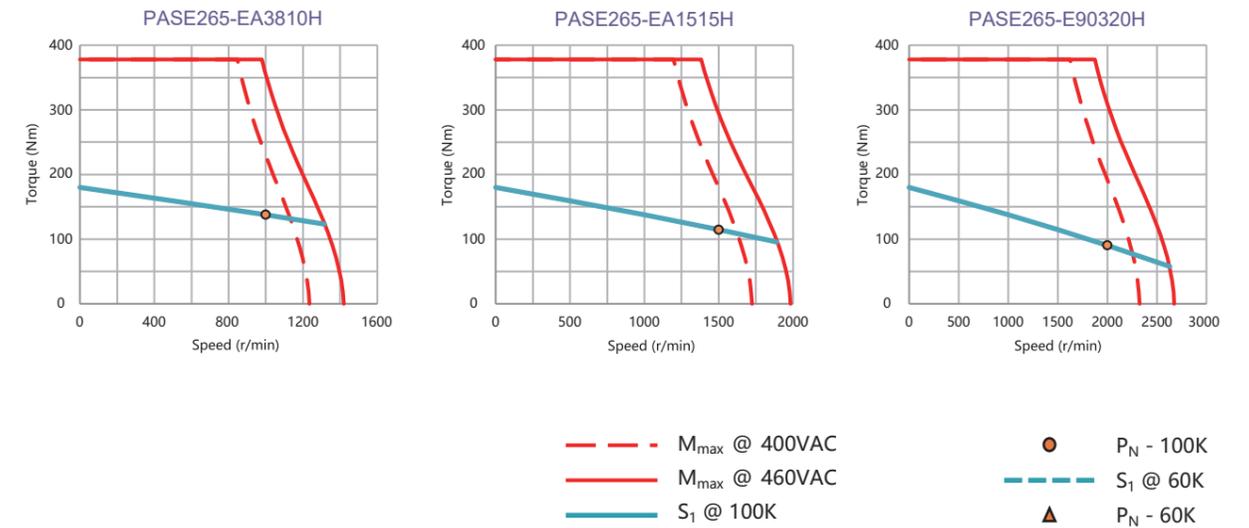
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE265-E93815H / PASE265-E81120H / PASE265-E67925H	338.7	448.7
PASE265-EA0715H / PASE265-E88820H / PASE265-E69725H	408.7	/

Model	PASE265-E93815H	PASE265-E81120H	PASE265-E67925H	PASE265-EA0715H	PASE265-E88820H	PASE265-E69725H
Operating Voltage	VAC 400(380 ... 480)					
Rated Operating Point (100K)						
Rated Power (100K)	KW	14.7	17.0	17.8	16.8	18.2
Rated Speed	r/min	1500	2000	2500	1500	2000
Rated Torque (100K)	N.m	93.8	81.1	67.9	107	69.7
Rated Current (100K)	A	31.4	33.8	36.1	35.7	37.8
Rated Voltage (100K)	VAC	356	372	358	352	345
Rated Operating Point (60K)						
Rated Power (60K)	KW					
Rated Speed	r/min					
Rated Torque (60K)	N.m					
Rated Current (60K)	A					
Rated Voltage (60K)	VAC					
Limit Data						
Max. Allowable Speed (Mechanical)	r/min	3600				
Peak Torque	N.m	252	252	252	315	315
Peak Current	A	93	116	147	116	188
Peak Torque Turning Point (230VAC)	r/min	1250	1600	2050	1250	2100
Motor Data						
Polar Number	Poles	4				
Torque Constant (100K)	Nm/A	2.99	2.40	1.88	3.00	2.35
Voltage Constant (20°C)	V/1krp	205	165	129	206	162
Winding Resistance (20°C)	Ω	0.13	0.085	0.056	0.10	0.067
Winding Inductance (20°C)	mH	7.44	4.79	2.95	5.99	3.69
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	196	196	196	254	254
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	211	211	211		
Weight (w/o brake)	kg	73	73	73	89	89
Weight (w/ brake)	kg	88	88	88		
Brake Data						
Brake Type	Mechanical spring pressurized type					
Brake Backlash Max.	arcmin	30				
Static Torque (20°C)	N.m	125				
Rated Voltage	VDC	24±10%				
Brake Rated Current (20°C)	A	2.3±7%				
Brake Rated Power (20°C)	W	55±7%				
Connector Type						
Power Connector Type	M40 8-Pin / Junction Box		M58 / Junction Box	M40 8-Pin / Junction Box		M58 / Junction Box
Feedback Connector Type	M23 12-Pin					

PASE265 High Performance Series 14.5~18.9KW

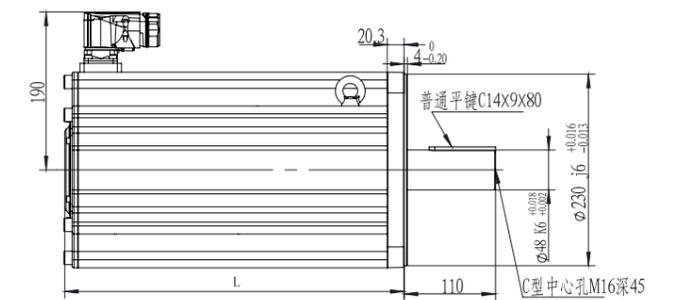
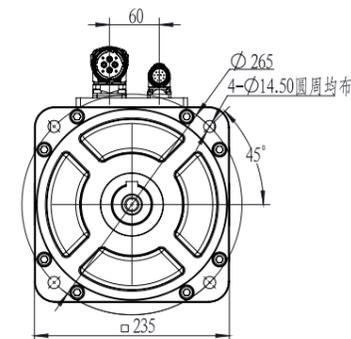


Torque Characteristic Diagram



Model	PASE265-EA3810H	PASE265-EA1515H	PASE265-E90320H	
Operating Voltage	VAC	400(380 ... 480)		
Rated Operating Point (100K)				
Rated Power (100K)	KW	14.5	18.1	18.9
Rated Speed	r/min	1000	1500	2000
Rated Torque (100K)	N.m	138	115	90.3
Rated Current (100K)	A	30.8	35.9	38.0
Rated Voltage (100K)	VAC	357	372	359
Rated Operating Point (60K)				
Rated Power (60K)	KW			
Rated Speed	r/min			
Rated Torque (60K)	N.m			
Rated Current (60K)	A			
Rated Voltage (60K)	VAC			
Limit Data				
Max. Allowable Speed (Mechanical)	r/min		3600	
Peak Torque	N.m	378	378	378
Peak Current	A	93	130	175
Peak Torque Turning Point (230VAC)	r/min	850	1200	1600
Motor Data				
Polar Number	Poles	4		
Torque Constant (100K)	Nm/A	4.48	3.21	2.38
Voltage Constant (20°C)	V/1krp	308	220	163
Winding Resistance (20°C)	Ω	0.18	0.093	0.053
Winding Inductance (20°C)	mH	11.2	5.73	3.15
Rotor Inertia (w/o brake)	$10^{-4}kgm^2$	311	311	311
Rotor Inertia (w/ brake)	$10^{-4}kgm^2$			
Weight (w/o brake)	kg	105	105	105
Weight (w/ brake)	kg			
Brake Data				
Brake Type				
Brake Backlash Max.	arcmin			
Static Torque (20°C)	N.m			
Rated Voltage	VDC			
Brake Rated Current (20°C)	A			
Brake Rated Power (20°C)	W			
Connector Type				
Power Connector Type	M40 8-Pin / Junction Box	M58 / Junction Box		
Feedback Connector Type	M23 12-Pin			

Dimensions

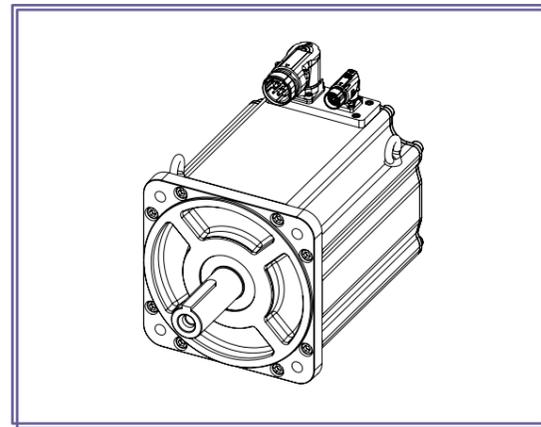


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE265-EA3810H / PASE265-EA1515H / PASE265-E90320H	458.7	/

PASE300

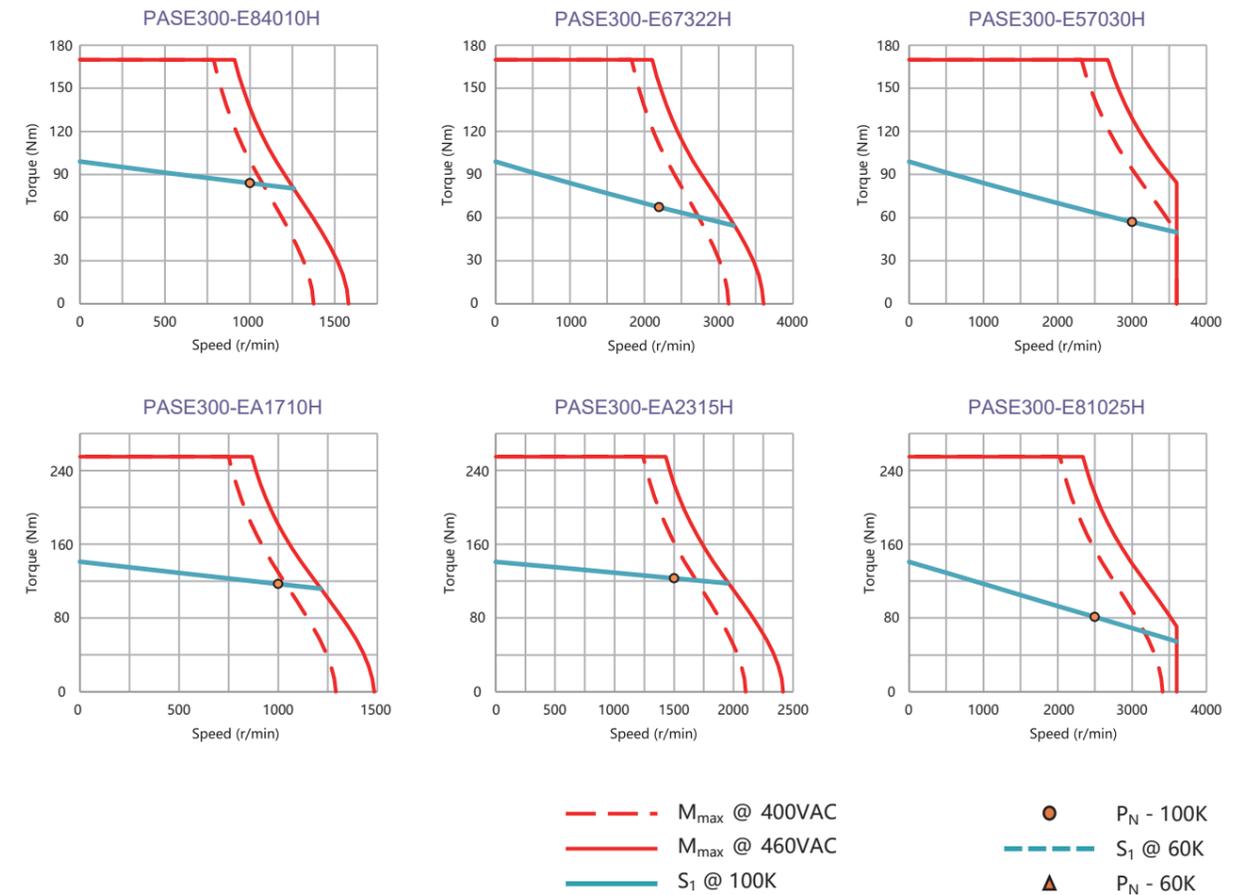
High Performance

Series 8.8~21.2KW

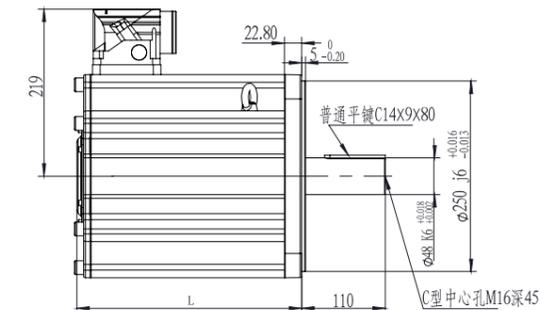
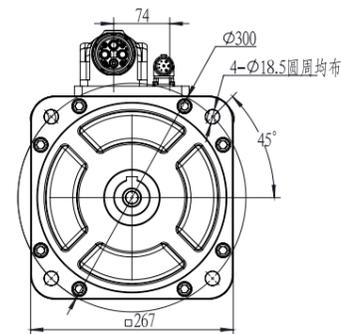


Model	PASE300-E84010H	PASE300-E67322H	PASE300-E57030H	PASE300-EA1710H	PASE300-EA2315H	PASE300-E81025H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	8.8	15.5	17.9	12.3	19.3	21.2
Rated Speed	r/min	1000	2200	3000	1000	1500	2500
Rated Torque (100K)	N.m	84.0	67.3	57.0	117	123	81.0
Rated Current (100K)	A	21.4	39.0	41.8	27.5	47.1	50.3
Rated Voltage (100K)	VAC	373	332	343	386	359	328
Rated Operating Point (60K)							
Rated Power (60K)	KW						
Rated Speed	r/min						
Rated Torque (60K)	N.m						
Rated Current (60K)	A						
Rated Voltage (60K)	VAC						
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	3600					
Peak Torque	N.m	170	170	170	255	255	255
Peak Current	A	46	106	134	65	107	173
Peak Torque Turning Point (230VAC)	r/min	750	1800	2300	750	1200	2000
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	3.93	1.72	1.36	4.25	2.61	1.61
Voltage Constant (20°C)	V/1krp	276	121	96	294	181	111
Winding Resistance (20°C)	Ω	0.35	0.072	0.045	0.27	0.10	0.040
Winding Inductance (20°C)	mH	27.1	5.21	3.26	20.5	7.73	2.93
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	163	163	163	239	239	239
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	192	192	192	268	268	268
Weight (w/o brake)	kg	58	58	58	76	76	76
Weight (w/ brake)	kg	80	80	80	98	98	98
Brake Data							
Brake Type	Mechanical spring pressurized type						
Brake Backlash Max.	arcmin	30					
Static Torque (20°C)	N.m	235					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	3.5±7%					
Brake Rated Power (20°C)	W	85±7%					
Connector Type							
Power Connector Type	M40 8-Pin / Junction Box	M58 / Junction Box	M40 8-Pin / Junction Box	M58 / Junction Box			
Feedback Connector Type	M23 12-Pin						

Torque Characteristic Diagram



Dimensions

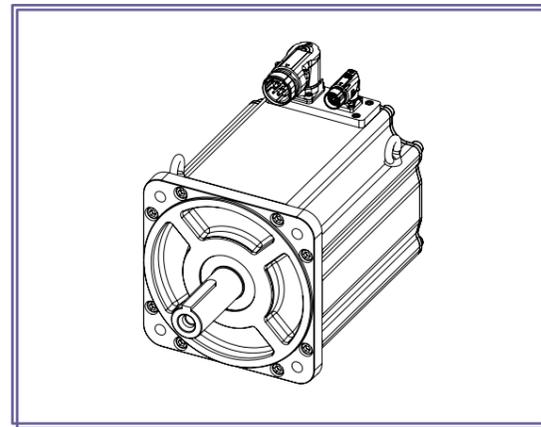


Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE300-E84010H / PASE300-E67322H / PASE300-E57030H	246	381
PASE300-EA1710H / PASE300-EA2315H / PASE300-E81025H	296	431

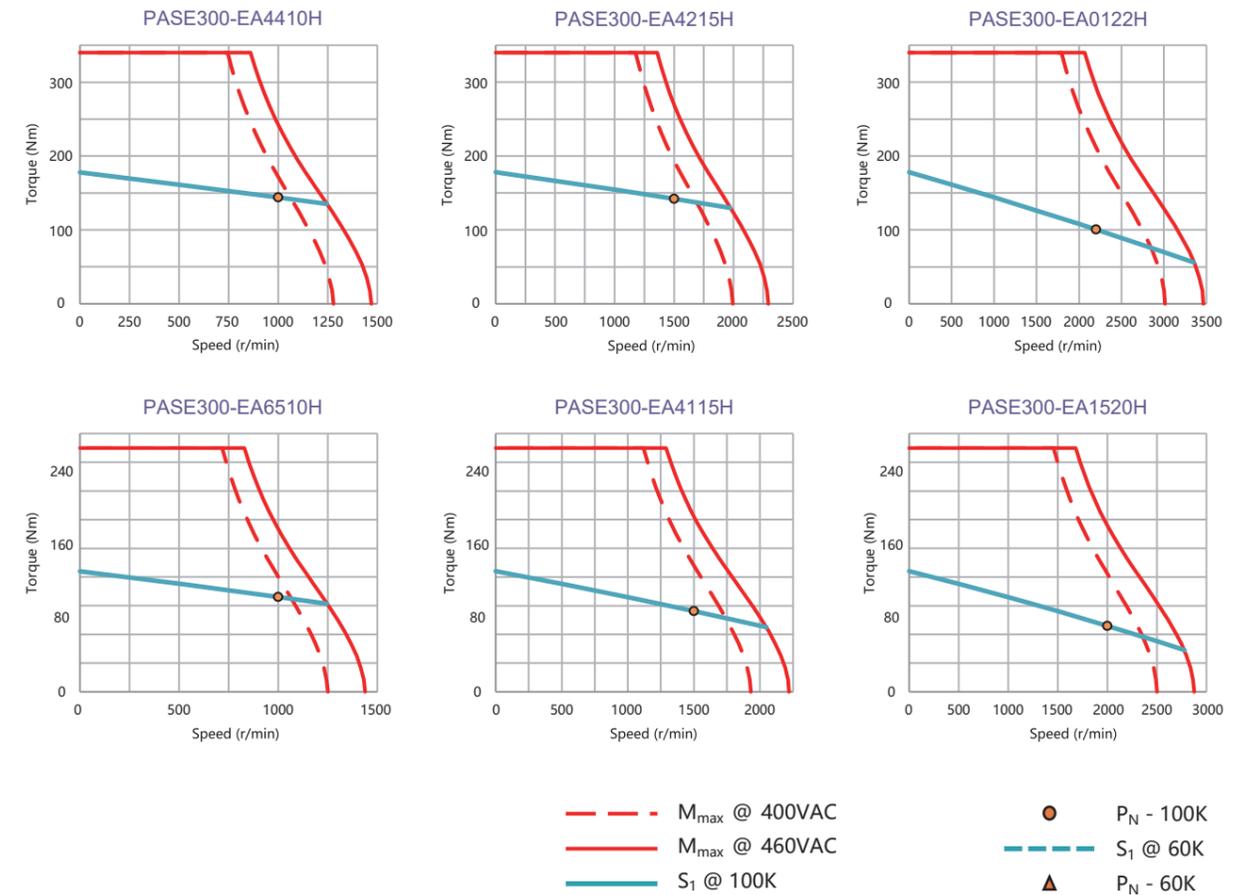
PASE300

High Performance

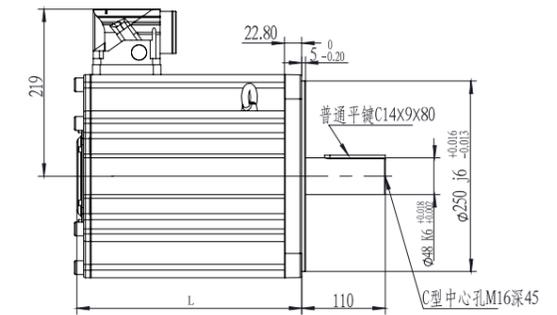
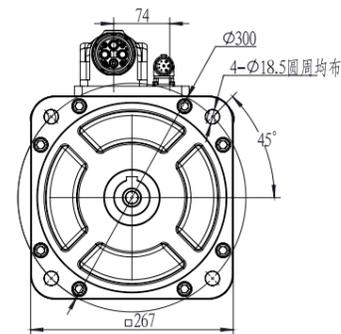
Series 15.1~24.1KW



Torque Characteristic Diagram



Dimensions



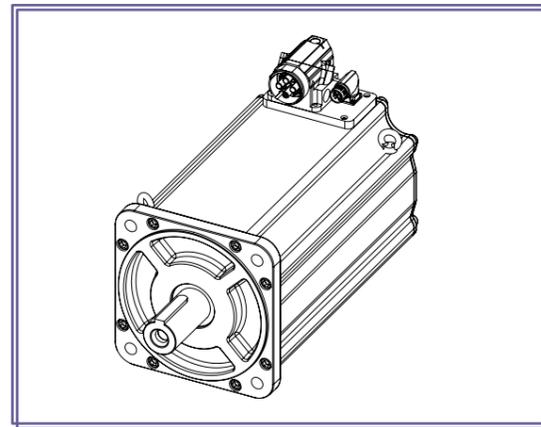
Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE300-EA4410H / PASE300-EA4215H / PASE300-EA0122H	346	481
PASE300-EA6510H / PASE300-EA4115H / PASE300-EA1520H	416	/

Model	PASE300-EA4410H	PASE300-EA4215H	PASE300-EA0122H	PASE300-EA6510H	PASE300-EA4115H	PASE300-EA1520H	
Operating Voltage	VAC 400(380 ... 480)						
Rated Operating Point (100K)							
Rated Power (100K)	KW	15.1	22.3	23.3	17.3	22.1	24.1
Rated Speed	r/min	1000	1500	2200	1000	1500	2000
Rated Torque (100K)	N.m	144	142	101	165	141	115
Rated Current (100K)	A	33.0	50.8	54.6	36.5	48.1	50.9
Rated Voltage (100K)	VAC	377	359	322	377	351	348
Rated Operating Point (60K)							
Rated Power (60K)	KW						
Rated Speed	r/min						
Rated Torque (60K)	N.m						
Rated Current (60K)	A						
Rated Voltage (60K)	VAC						
Limit Data							
Max. Allowable Speed (Mechanical)	r/min	3600					
Peak Torque	N.m	340	340	340	425	425	425
Peak Current	A	84	132	199	103	159	206
Peak Torque Turning Point (230VAC)	r/min	750	1150	1800	700	1100	1450
Motor Data							
Polar Number	Poles	4					
Torque Constant (100K)	Nm/A	4.36	2.80	1.85	4.52	2.93	2.26
Voltage Constant (20°C)	V/1krp	297	191	126	304	197	152
Winding Resistance (20°C)	Ω	0.19	0.078	0.030	0.14	0.065	0.035
Winding Inductance (20°C)	mH	15.6	6.44	2.82	13.5	5.66	3.37
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	314	314	314	403	403	403
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	343	343	343	432	432	432
Weight (w/o brake)	kg	95	95	95	115	115	115
Weight (w/ brake)	kg	117	117	117	137	137	137
Brake Data							
Brake Type	Mechanical spring pressurized type						
Brake Backlash Max.	arcmin	30					
Static Torque (20°C)	N.m	235					
Rated Voltage	VDC	24±10%					
Brake Rated Current (20°C)	A	3.5±7%					
Brake Rated Power (20°C)	W	85±7%					
Connector Type							
Power Connector Type	M40 8-Pin / Junction Box	M58 / Junction Box	M40 8-Pin / Junction Box	M58 / Junction Box			
Feedback Connector Type	M23 12-Pin						

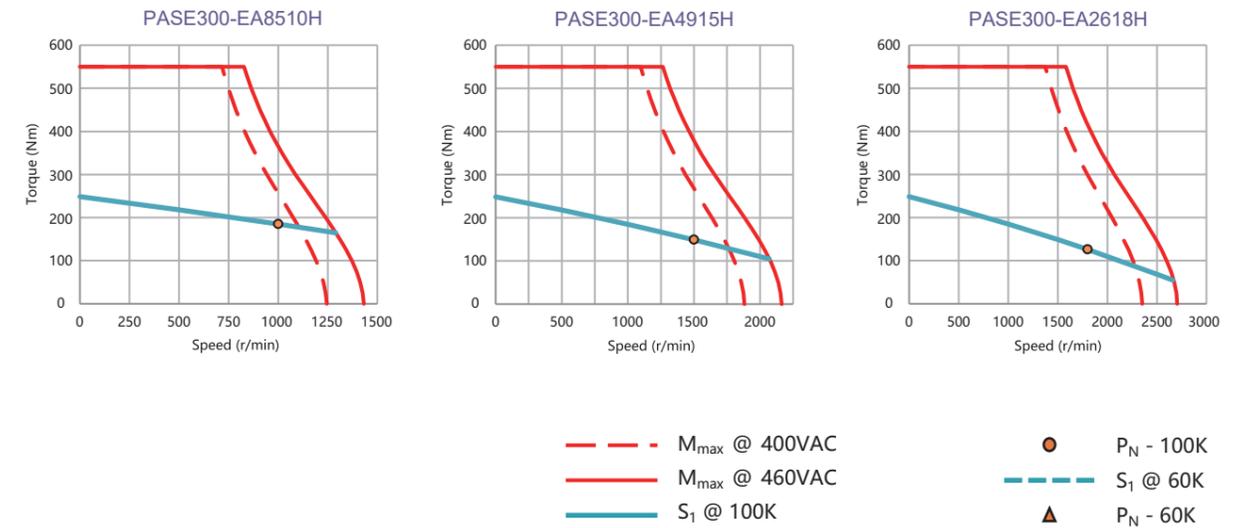
PASE300

High Performance

Series 19.4~23.8KW

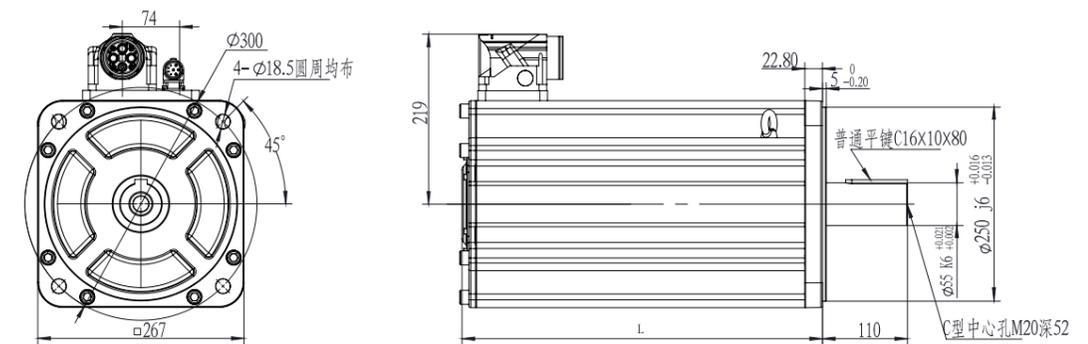


Torque Characteristic Diagram



Model	PASE300-EA8510H	PASE300-EA4915H	PASE300-EA2618H	
Operating Voltage	VAC	400(380 ... 480)		
Rated Operating Point (100K)				
Rated Power (100K)	KW	19.4	23.4	23.8
Rated Speed	r/min	1000	1500	1800
Rated Torque (100K)	N.m	185	149	126.0
Rated Current (100K)	A	40.7	49.6	52.4
Rated Voltage (100K)	VAC	366	347	326
Rated Operating Point (60K)				
Rated Power (60K)	KW			
Rated Speed	r/min			
Rated Torque (60K)	N.m			
Rated Current (60K)	A			
Rated Voltage (60K)	VAC			
Limit Data				
Max. Allowable Speed (Mechanical)	r/min		3600	
Peak Torque	N.m	550	550	550
Peak Current	A	133	201	251
Peak Torque Turning Point (230VAC)	r/min	700	1100	1350
Motor Data				
Polar Number	Poles	4		
Torque Constant (100K)	Nm/A	4.54	3.01	2.40
Voltage Constant (20°C)	V/1krp	305	202	162
Winding Resistance (20°C)	Ω	0.11	0.044	0.031
Winding Inductance (20°C)	mH	10.5	4.58	2.93
Rotor Inertia (w/o brake)	10 ⁻⁴ kgm ²	516	516	516
Rotor Inertia (w/ brake)	10 ⁻⁴ kgm ²	545	545	545
Weight (w/o brake)	kg	145	145	145
Weight (w/ brake)	kg	167	167	167
Brake Data				
Brake Type	Mechanical spring pressurized type			
Brake Backlash Max.	arcmin	30		
Static Torque (20°C)	N.m	235		
Rated Voltage	VDC	24±10%		
Brake Rated Current (20°C)	A	3.5±7%		
Brake Rated Power (20°C)	W	85±7%		
Connector Type				
Power Connector Type	M40 8-Pin / Junction Box	M58 / Junction Box		
Feedback Connector Type	M23 12-Pin			

Dimensions



Model Number	Motor Length L (w/o Brake)	Motor Length L (w/ Brake)
PASE265-EA3810H / PASE265-EA1515H / PASE265-E90320H	491	/

PASH Hollow Shaft Series



Key Features

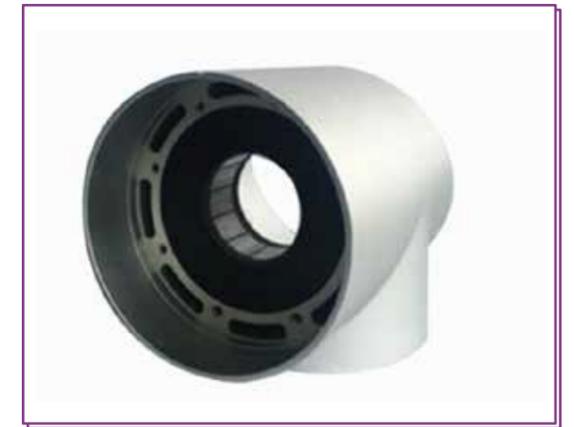
- Meet the customization needs of collaborative robots;
- The rotor adopts a large aperture design;
- The stator is encapsulated in aluminum shell, and the subsequent finishing process meets the requirements of high-precision installation;
- Epoxy resin encapsulation improves motor life and insulation performance;
- Diversified voltage level and speed design to achieve full coverage from 24VDC-480VAC.

E

PASH063 Hollow Shaft Series



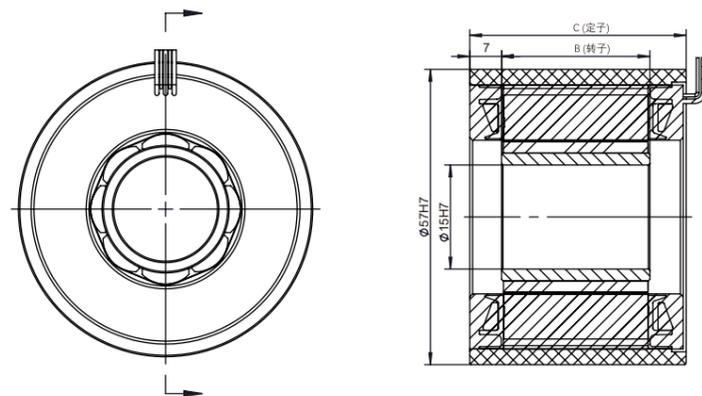
PASH075 Hollow Shaft Series



Model		PASH063 -E00499	PASH063 -E00860	PASH063 -E00799	PASH063 -E01240	PASH063 -E01160	PASH063 -E01099
Operating Voltage	VAC	200-480	200-480	200-480	200-480	200-480	200-480
Stall Torque	N.m	0.53	0.90	0.90	1.25	1.25	1.25
Stall Current	A	1.52	1.34	2.01	1.29	1.94	2.95
Rated Power	KW	0.42	0.52	0.73	0.49	0.71	1.02
Rated Torque	N.m	0.40	0.83	0.70	1.18	1.13	0.97
Rated Speed	Rpm	10000	6000	10000	4000	6000	10000
Rated Current	A	1.15	1.24	1.57	1.22	1.75	2.29
Maximum Torque	N.m	1.34	2.68	2.68	4.02	4.02	4.02
Maximum Current	A	4.1	4.3	6.4	4.4	6.6	10.1
Moment Of Inertia	Kgm ²	0.07	0.13	0.13	0.20	0.20	0.20
Number Of Poles		8	8	8	8	8	8
Length		L1	L2	L2	L3	L3	L3

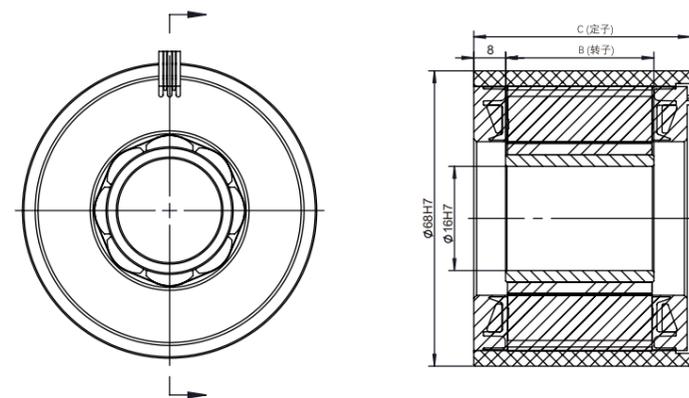
Model		PASH075 -E01150	PASH075 -E01080	PASH075 -E01750	PASH075 -E01380	PASH075 -E01250	PASH075 -E01680
Operating Voltage	VAC	200-480	200-480	200-480	200-480	200-480	200-480
Stall Torque	N.m	1.08	1.08	1.87	1.87	2.41	2.41
Stall Current	A	1.47	2.23	2.38	3.69	2.93	4.46
Rated Power	KW	0.55	0.82	0.91	1.31	1.16	1.63
Rated Torque	N.m	1.05	0.98	1.74	1.56	2.21	1.95
Rated Speed	Rpm	5000	8000	5000	8000	5000	8000
Rated Current	A	1.43	2.02	2.21	3.08	2.69	3.61
Maximum Torque	N.m	2.65	2.65	5.30	5.30	7.10	7.10
Maximum Current	A	3.8	5.9	7.2	11.1	9.2	14.0
Moment Of Inertia	Kgm ²	0.10	0.10	0.21	0.21	0.28	0.28
Number Of Poles		8	8	8	8	8	8
Length		L1		L2		L3	

Dimensions



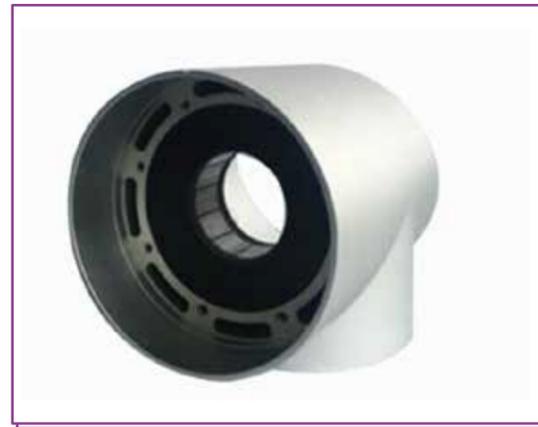
	B(mm)	C(mm)
L1	26.4	46
L2	51.4	71
L3	76.4	96

Dimensions

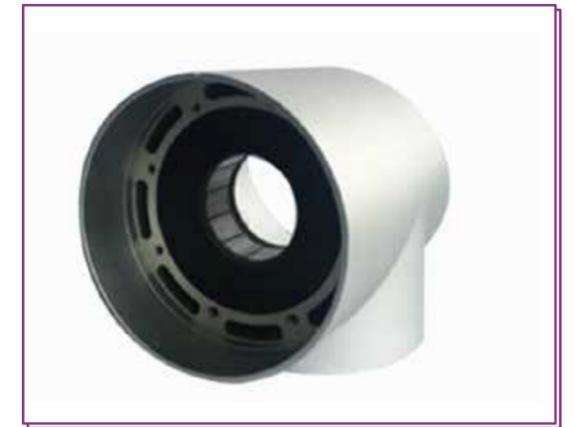


	B(mm)	C(mm)
L1	26.4	48
L2	51.4	73
L3	68.4	90

PASH100 Hollow Shaft Series



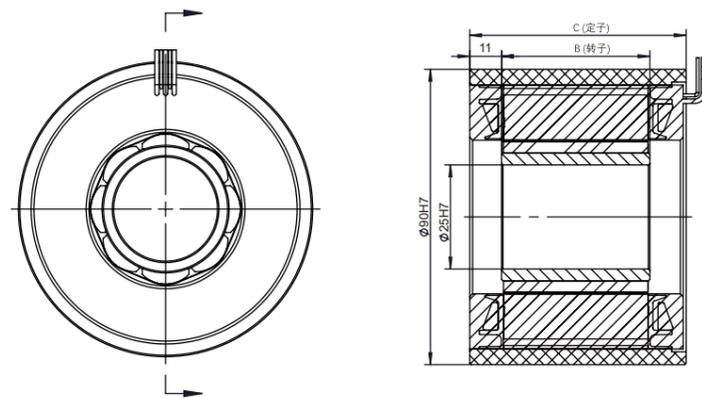
PASH115 Hollow Shaft Series



Model		PASH100 -E02040	PASH100 -E02060	PASH100 -E03340	PASH100 -E03260	PASH100 -E04640	PASH100 -E04460
Operating Voltage	VAC	200-480	200-480	200-480	200-480	200-480	200-480
Stall Torque	N.m	2.10	2.10	3.50	3.50	4.90	4.90
Stall Current	A	2.62	4.03	4.20	5.36	4.98	7.60
Rated Power	KW	0.84	1.26	1.38	2.01	1.93	2.76
Rated Torque	N.m	2.00	2.00	3.30	3.20	4.60	4.40
Rated Speed	Rpm	4000	6000	4000	6000	4000	6000
Rated Current	A	2.49	3.84	3.96	4.90	4.67	6.82
Maximum Torque	N.m	4.80	4.80	9.60	9.60	14.40	14.40
Maximum Current	A	6.7	10.3	13.5	17.2	17.2	26.2
Moment Of Inertia	Kgm ²	0.24	0.24	0.47	0.47	0.70	0.70
Number Of Poles		8	8	8	8	8	8
Length		L1	L1	L2	L2	L3	L3

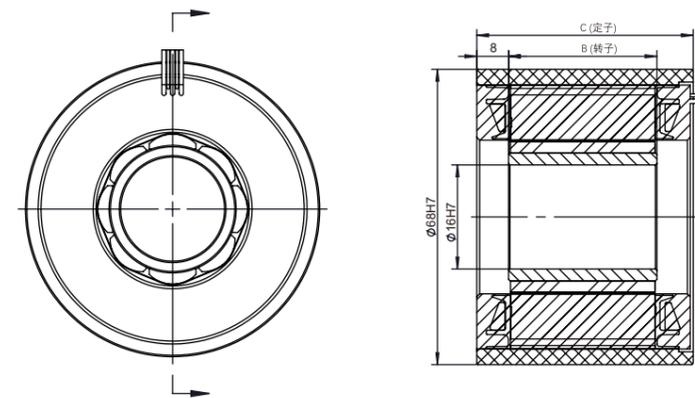
Model		PASH115 -E03040	PASH115 -E02960	PASH115 -E04840	PASH115 -E04560	PASH115 -E05540	PASH115 -E04960
Operating Voltage	VAC	200-480	200-480	200-480	200-480	200-480	200-480
Stall Torque	N.m	3.10	3.10	5.40	5.40	6.90	6.90
Stall Current	A	3.26	4.14	4.81	6.92	5.72	9.53
Rated Power	KW	1.26	1.82	2.01	2.83	2.30	3.08
Rated Torque	N.m	3.00	2.90	4.80	4.50	5.50	4.90
Rated Speed	Rpm	4000	6000	4000	6000	4000	6000
Rated Current	A	3.15	3.87	4.27	5.77	4.56	6.77
Maximum Torque	N.m	8.00	8.00	16.00	16.00	24.00	24.00
Maximum Current	A	8.5	10.8	14.4	20.7	20.4	34.0
Moment Of Inertia	Kgm ²	0.76	0.76	1.49	1.49	2.22	2.22
Number Of Poles		8	8	8	8	8	8
Length		L1	L1	L2	L2	L3	L3

Dimensions



	B(mm)	C(mm)
L1	26.4	50
L2	51.4	75
L3	76.4	100

Dimensions

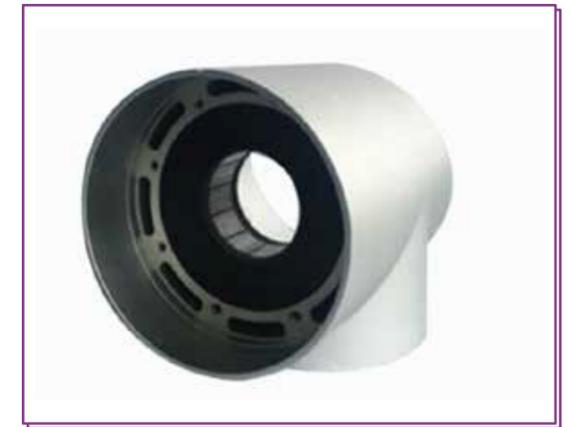


	B(mm)	C(mm)
L1	26.4	50
L2	51.4	75
L3	76.4	100

PASH130
Hollow Shaft
Series 4-7.2N.m



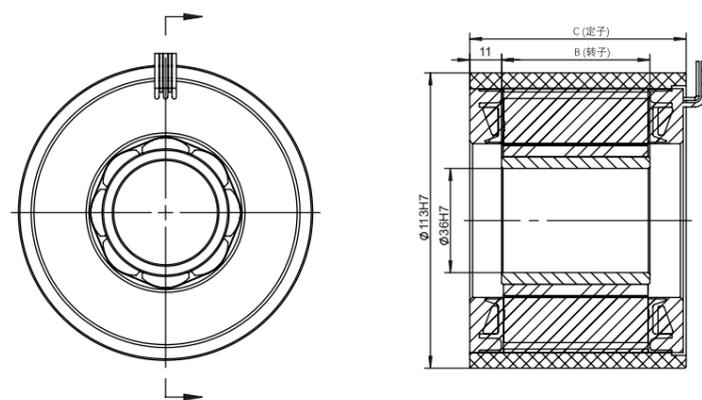
PASH130
Hollow Shaft
Series 9.2-11.3N.m



Model		PASH130-E04045	PASH130-E04060	PASH130-E06645	PASH130-E06460
Operating Voltage	VAC	200-480	200-480	200-480	200-480
Stall Torque	N.m	4.00	4.00	7.20	7.20
Stall Current	A	4.55	5.77	7.84	10.59
Rated Power	KW	1.88	2.51	3.11	4.02
Rated Torque	N.m	4.00	4.00	6.60	6.40
Rated Speed	Rpm	4500	6000	4500	6000
Rated Current	A	4.55	5.77	7.19	9.41
Maximum Torque	N.m	8.00	8.00	16.00	16.00
Maximum Current	A	9.4	11.9	19.3	26.0
Moment Of Inertia	Kgm ²	0.76	0.76	1.49	1.49
Number Of Poles		8	8	8	8
Length		L1	L1	L2	L2

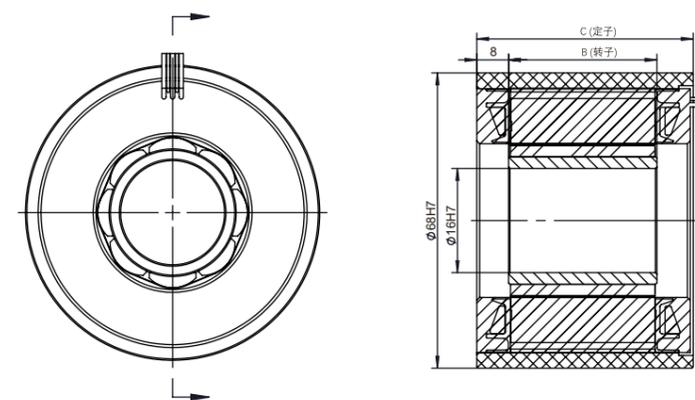
Model		PASH130-E04045	PASH130-E04060	PASH130-E06645	PASH130-E06460
Operating Voltage	VAC	200-480	200-480	200-480	200-480
Stall Torque	N.m	9.20	9.20	11.30	11.30
Stall Current	A	9.50	11.87	10.93	13.46
Rated Power	KW	3.77	4.84	4.43	5.65
Rated Torque	N.m	8.00	7.70	9.40	9.00
Rated Speed	Rpm	4500	6000	4500	6000
Rated Current	A	8.3	9.93	9.10	10.72
Maximum Torque	N.m	24.00	24.00	32.00	32.00
Maximum Current	A	25.7	32.2	32.2	39.6
Moment Of Inertia	Kgm ²	2.22	2.22	2.95	2.95
Number Of Poles		8	8	8	8
Length		L1	L1	L2	L2

Dimensions



	B(mm)	C(mm)
L1	26.4	54
L2	51.4	79

Dimensions

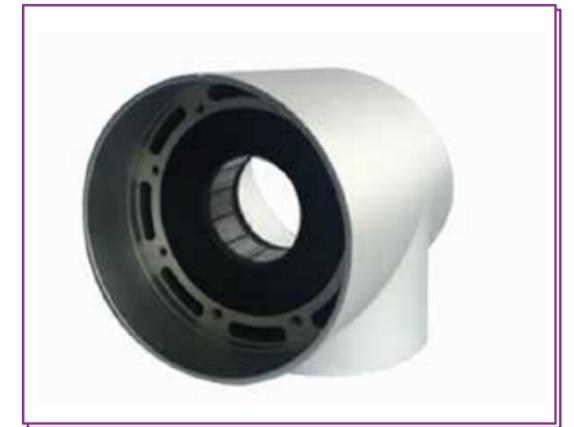


	B(mm)	C(mm)
L1	76.4	104
L2	101.4	129

PASH165 Hollow Shaft Series1 12.1-17.4N.m



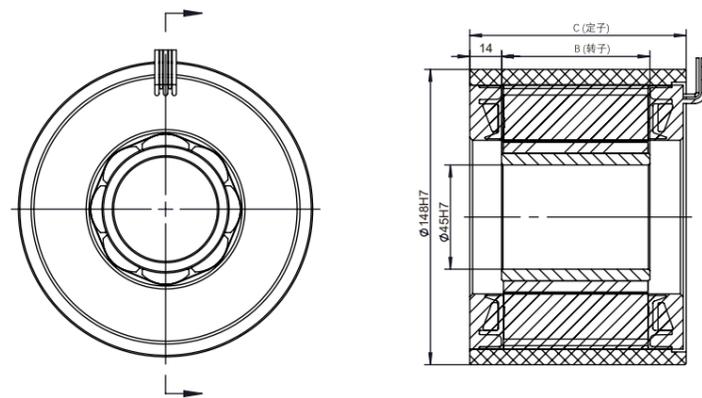
PASH165 Hollow Shaft Series 22.2-26.6N.m



Model		PASH165-E08645	PASH165-E07360	PASH165-E13730	PASH165-E11150
Operating Voltage	VAC	200-480	200-480	200-480	200-480
Stall Torque	N.m	12.10	12.10	17.40	17.40
Stall Current	A	12.86	16.3	12.2	20.7
Rated Power	KW	4.05	4.59	4.30	5.81
Rated Torque	N.m	8.60	7.30	13.70	11.10
Rated Speed	Rpm	4500	6000	3000	5000
Rated Current	A	9.14	9.8	9.6	13.2
Maximum Torque	N.m	25.00	25.00	37.50	37.50
Maximum Current	A	28.8	36.5	28.5	48.2
Moment Of Inertia	Kgm ²	4.19	4.19	6.26	6.26
Number Of Poles		8	8	8	8
Length		L1	L1	L2	L2

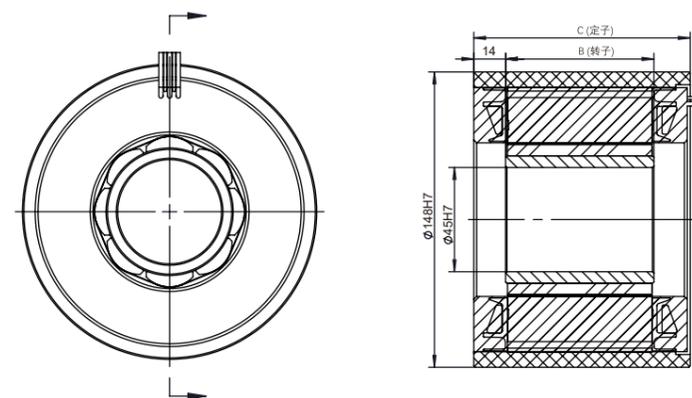
Model		PASH165-E17170	PASH165-E13290	PASH165-E19730	PASH165-E14440
Operating Voltage	VAC	200-480	200-480	200-480	200-480
Stall Torque	N.m	22.20	22.20	26.60	26.60
Stall Current	A	15.2	24.2	19.0	29.0
Rated Power	KW	5.37	6.91	6.19	7.54
Rated Torque	N.m	17.10	13.20	19.70	14.40
Rated Speed	Rpm	7000	9000	3000	4000
Rated Current	A	11.7	14.4	14.0	15.7
Maximum Torque	N.m	50.00	50.00	62.5	62.5
Maximum Current	A	37.1	58.9	48.2	73.6
Moment Of Inertia	Kgm ²	8.33	8.33	10.40	10.40
Number Of Poles		8	8	8	8
Length		L1	L1	L2	L2

Dimensions



	B(mm)	C(mm)
L1	51.4	85
L2	76.4	110

Dimensions



	B(mm)	C(mm)
L1	101.4	135
L2	126.4	160

PASH215
Hollow Shaft
Series 18.5-36N.m



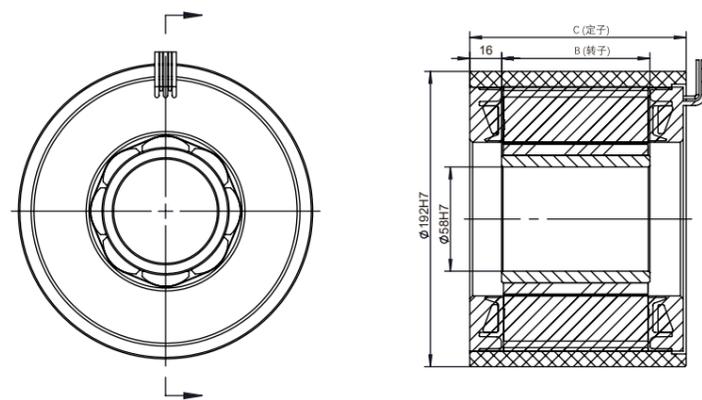
PASH215
Hollow Shaft
Series 52.5N.m



Model		PASH215-E12530	PASH215-E10540	PASH215-E27320	PASH215-E22330	PASH215-E16940
Operating Voltage	VAC	200-480	200-480	200-480	200-480	200-480
Stall Torque	N.m	18.50	18.50	36.00	36.00	36.00
Stall Current	A	12.3	15.1	15.0	23.8	29.8
Rated Power	KW	3.93	4.40	5.72	7.01	7.08
Rated Torque	N.m	12.50	10.50	27.30	22.30	16.90
Rated Speed	Rpm	3000	4000	2000	3000	4000
Rated Current	A	8.3	8.6	11.3	14.7	14.0
Maximum Torque	N.m	45.0	45.0	90.0	90.0	90.0
Maximum Current	A	30.9	37.9	38.5	61.3	76.6
Moment Of Inertia	Kgm ²	12.13	12.13	24.05	24.05	24.05
Number Of Poles		8	8	8	8	8
Length		L1	L1	L2	L2	L2

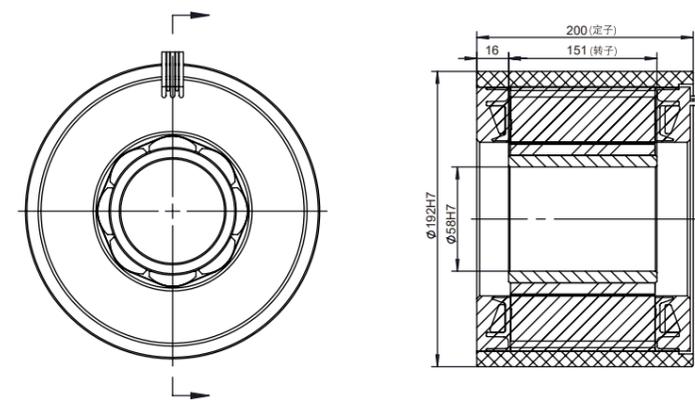
Model		PASH215-E38520	PASH215-E29530
Operating Voltage	VAC	200-480	200-480
Stall Torque	N.m	52.50	52.50
Stall Current	A	21.6	31.8
Rated Power	KW	8.06	9.27
Rated Torque	N.m	38.50	29.50
Rated Speed	Rpm	2000	3000
Rated Current	A	15.8	17.9
Maximum Torque	N.m	135.0	135.0
Maximum Current	A	57.1	84.2
Moment Of Inertia	Kgm ²	35.98	35.98
Number Of Poles		8	8
Length		L1	L2

Dimensions



	B(mm)	C(mm)
L1	51.4	100
L2	101.4	150

Dimensions



PASD Direct Drive Series

F



Key Features

- Torque range: 10-1700Nm
- Speed range: 0-1000rpm
- Direct load connection, zero backlash and load compliance improve system performance
- High-performance feedback elements for extreme accuracy and repeatability
- Optional large-diameter hollow shaft structure provides sufficient wiring space
- Optional air-cooled and water-cooled designs

PASD090
Direct Drive
Series 18.5-36N.m



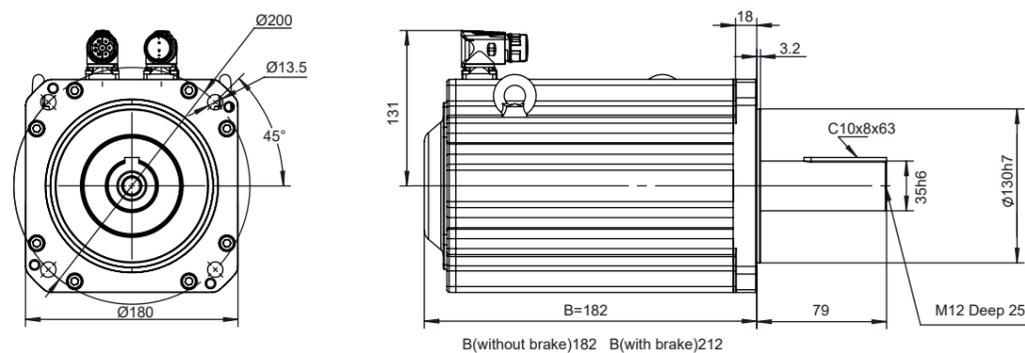
PASD090
Direct Drive
Series 52.5N.m



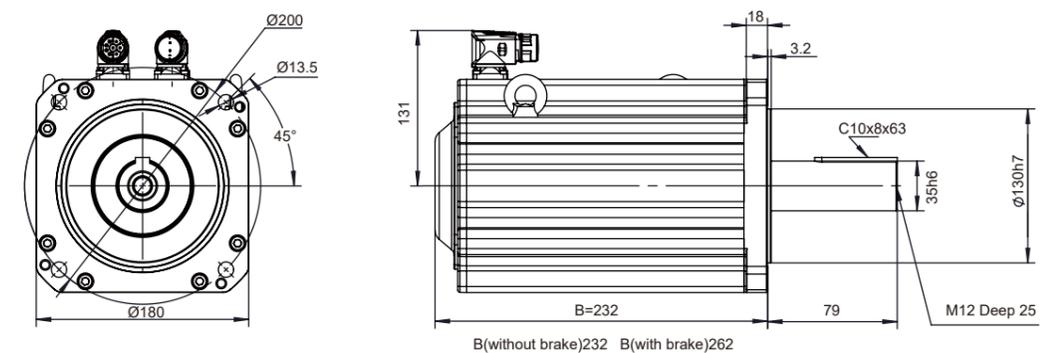
Model		PASD090-E23010	PASD090-E30010
Stall Torque	N.m	26	37
Stall Current	A	7.0	9.5
Rated Power	KW	2.70	3.90
Rated Torque	N.m	23	30
Rated Speed	Rpm	1000	1000
Rated Current	A	6.2	7.7
Maximum Torque	N.m	60	90
Maximum Current	A	17.2	24.9
Moment Of Inertia	Kgm ²	0.0052	0.0077
Number Of Pole Pairs		16	16
Motor Weight	Kg	24	27
Power Connector		M23 8-pin	M23 8-pin
Feedback Connector		M23	M23

Model		PASD090-E46004	PASD090-E45006	PASD090-E44008	PASD090-E43010
Stall Torque	N.m	48	48	48	48
Stall Current	A	4.7	6.6	7.9	11.4
Rated Power	KW	2.00	3.00	4.00	5.00
Rated Torque	N.m	46	45	44	43
Rated Speed	Rpm	400	600	800	1000
Rated Current	A	4.5	6.2	7.2	10.2
Maximum Torque	N.m	120	120	120	120
Maximum Current	A	12.7	17.6	21.0	30.6
Moment Of Inertia	Kgm ²	0.0102	0.0102	0.0102	0.0102
Number Of Pole Pairs		16	16	16	16
Motor Weight	Kg	30	30	30	30
Power Connector		M23 8-pin	M23 8-pin	M23 8-pin	M23 8-pin
Feedback Connector		M23	M23	M23	M23

Dimensions



Dimensions



PASD090
Direct Drive
Series 60N.m



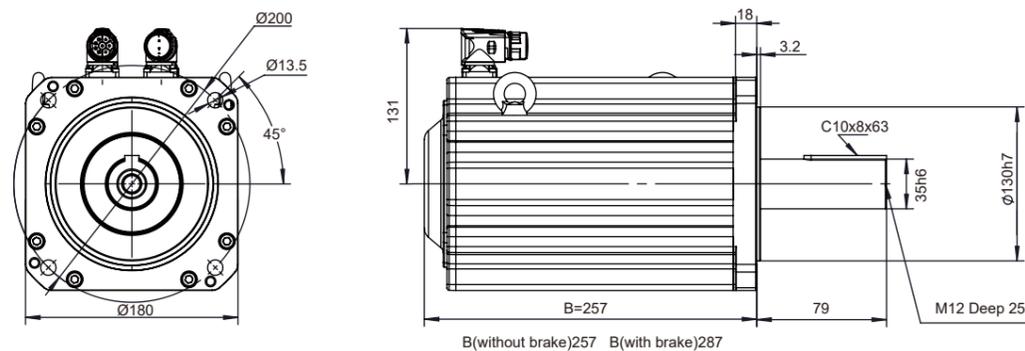
PASD090
Direct Drive
Series 70N.m



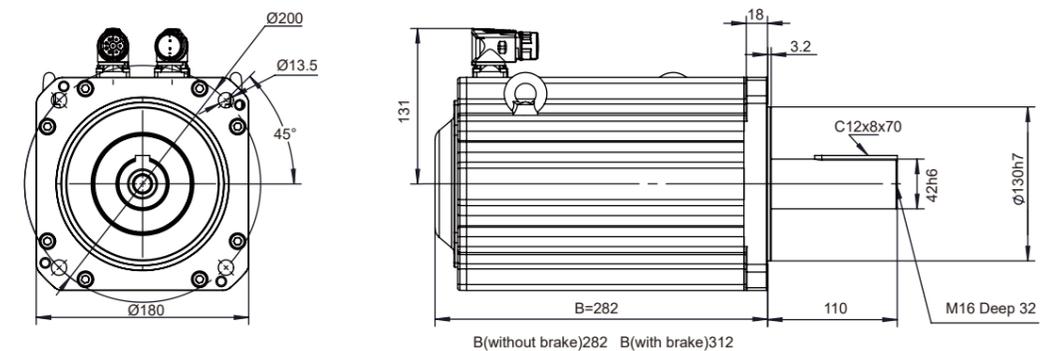
Model		PASD090-E60006	PASD090-E52012
Stall Torque	N.m	60	60
Stall Current	A	7.8	13.1
Rated Power	KW	3.80	7.50
Rated Torque	N.m	60	52
Rated Speed	Rpm	600	1200
Rated Current	A	7.8	11.4
Maximum Torque	N.m	150	150
Maximum Current	A	20.9	35.1
Moment Of Inertia	Kgm ²	0.0127	0.0127
Number Of Pole Pairs		16	16
Motor Weight	Kg	33	33
Power Connector		M23 8-pin	M23 8-pin
Feedback Connector		M23	M23

Model		PASD090-E68006	PASD090-E60010
Stall Torque	N.m	70	70
Stall Current	A	9.2	15.9
Rated Power	KW	4.40	7.30
Rated Torque	N.m	68	60
Rated Speed	Rpm	600	1000
Rated Current	A	8.9	13.6
Maximum Torque	N.m	180	180
Maximum Current	A	25.2	43.7
Moment Of Inertia	Kgm ²	0.0152	0.0152
Number Of Pole Pairs		16	16
Motor Weight	Kg	30	30
Power Connector		M23 8-pin	M23 8-pin
Feedback Connector		M23	M23

Dimensions



Dimensions



PASD090

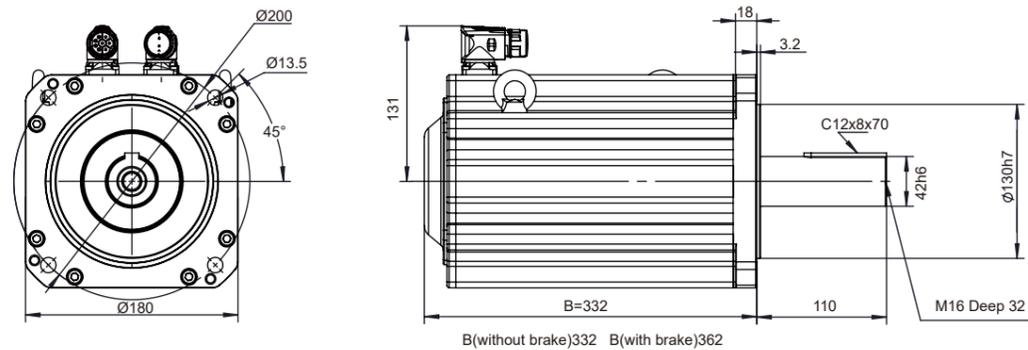
Direct Drive

Series 85N.m



Model		PASD090-E85002	PASD090-E78006
Stall Torque	N.m	85	85
Stall Current	A	5.8	11.6
Rated Power	KW	1.80	1.80
Rated Torque	N.m	85	78
Rated Speed	Rpm	200	600
Rated Current	A	5.8	10.6
Maximum Torque	N.m	240	240
Maximum Current	A	17.6	35.5
Moment Of Inertia	Kgm ²	0.0177	0.0177
Number Of Pole Pairs		16	16
Motor Weight	Kg	39	39
Power Connector		M23 8-pin	M23 8-pin
Feedback Connector		M23	M23

Dimensions



PASD090

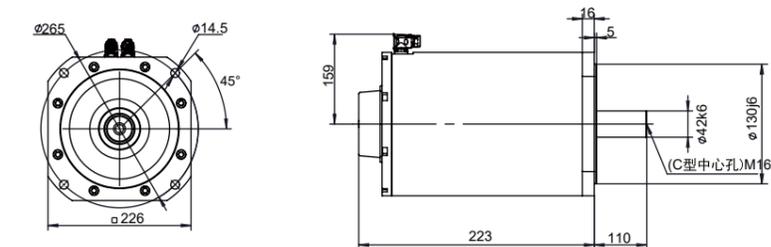
Direct Drive

Series 47N.m

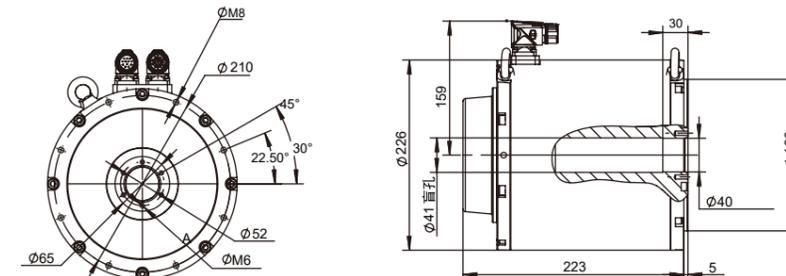


Model		PASD115-E46202	PASD115-E45404	PASD115-E44506	PASD115-E43608	PASD115-E42610
Stall Torque	N.m	47	47	47	47	47
Stall Current	A	2.3	4.0	5.8	7.6	10.6
Rated Power	KW	0.97	1.90	2.80	3.65	4.46
Rated Torque	N.m	46.2	45.4	44.5	43.6	42.6
Rated Speed	Rpm	200	400	600	800	1000
Rated Current	A	2.2	3.9	5.5	7.0	9.7
Maximum Torque	N.m	100	100	100	100	100
Maximum Current	A	5.2	9.2	13.3	17.3	24.4
Moment Of Inertia	Kgm ²	0.019	0.019	0.019	0.019	0.019
Number Of Pole Pairs		24	24	24	24	24
Motor Weight	Kg	34	34	34	34	34
Power Connector		M23 8-pin				
Feedback Connector		M23	M23	M23	M23	M23

Dimensions (Solid Shaft)



Dimensions (Hollow Shaft)



PASD115

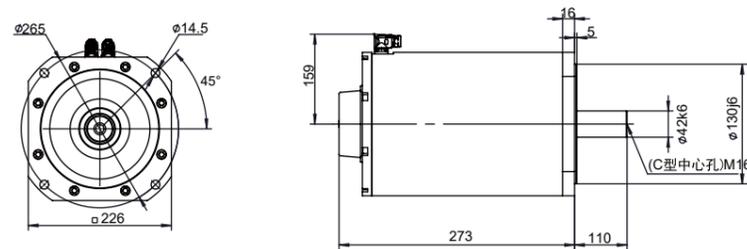
Direct Drive

Series 85N.m

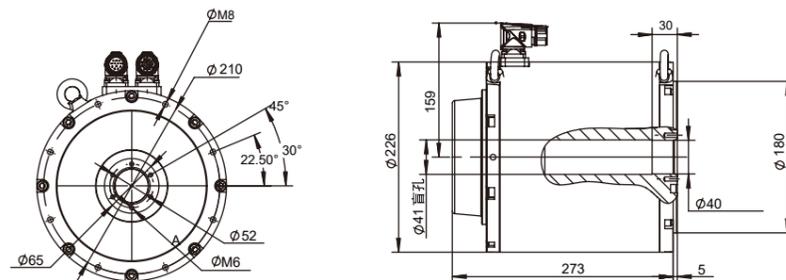


Model		PASD115-E83402	PASD115-E81804	PASD115-E80006	PASD115-E78108	PASD115-E76210
Stall Torque	N.m	85	85	85	85	85
Stall Current	A	4.2	7.4	10.9	14.3	19.1
Rated Power	KW	1.75	3.43	5.03	6.54	7.98
Rated Torque	N.m	83.4	81.8	80.0	78.1	76.2
Rated Speed	Rpm	200	400	600	800	1000
Rated Current	A	4.1	7.1	10.3	13.1	17.1
Maximum Torque	N.m	200	200	200	200	200
Maximum Current	A	10.6	18.8	27.6	36.1	48.3
Moment Of Inertia	Kgm ²	0.038	0.038	0.038	0.038	0.038
Number Of Pole Pairs		24	24	24	24	24
Motor Weight	Kg	46	46	46	46	46
Power Connector		M23 8-pin				
Feedback Connector		M23	M23	M23	M23	M23

Dimensions (Solid Shaft)



Dimensions (Hollow Shaft)



PASD115

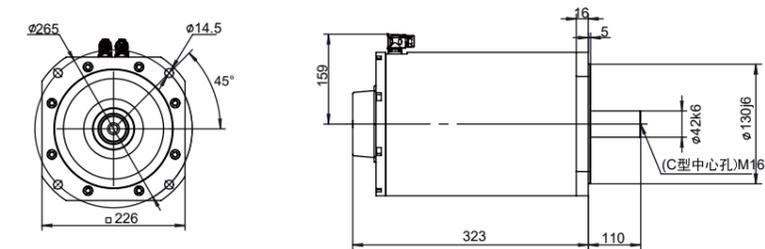
Direct Drive

Series 114N.m

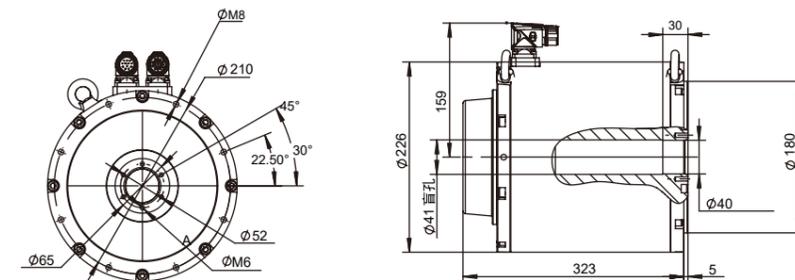


Model		PASD115-EA1202	PASD115-EA0904	PASD115-EA0606	PASD115-EA0408
Stall Torque	N.m	114	114	114	114
Stall Current	A	5.5	9.8	15.1	20.2
Rated Power	KW	2.35	4.57	6.66	8.71
Rated Torque	N.m	112	109	106	104
Rated Speed	Rpm	200	400	600	800
Rated Current	A	5.4	9.3	14.1	18.4
Maximum Torque	N.m	300	300	300	300
Maximum Current	A	15.5	27.6	42.8	57.0
Moment Of Inertia	Kgm ²	0.056	0.056	0.056	0.056
Number Of Pole Pairs		24	24	24	24
Motor Weight	Kg	58	58	58	58
Power Connector		M23 8-pin	M23 8-pin	M23 8-pin	M23 8-pin
Feedback Connector		M23	M23	M23	M23

Dimensions (Solid Shaft)



Dimensions (Hollow Shaft)



PASD115

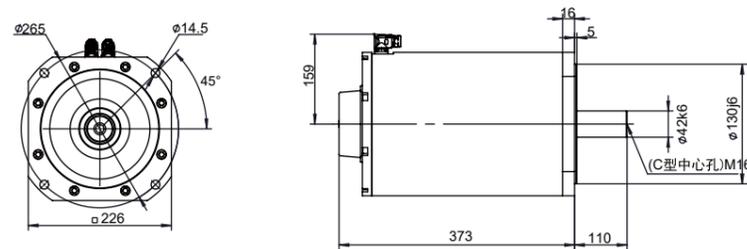
Direct Drive

Series 134N.m

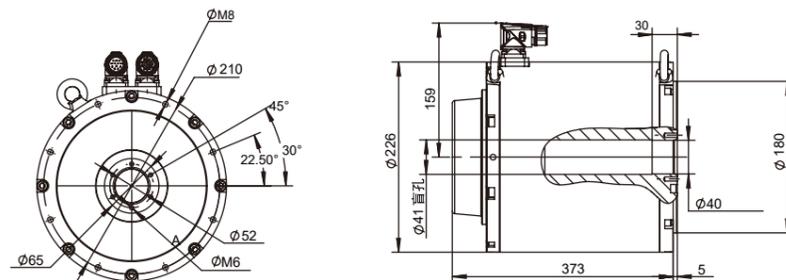


	Model	PASD115-EA3102	PASD115-EA2804	PASD115-EA2406	PASD115-EA2008
Stall Torque	N.m	134	134	134	134
Stall Current	A	6.7	12.4	16.8	22.8
Rated Power	KW	2.74	5.36	7.79	10.1
Rated Torque	N.m	131	128	124	120
Rated Speed	Rpm	200	400	600	800
Rated Current	A	6.5	11.8	15.6	20.4
Maximum Torque	N.m	400	400	400	400
Maximum Current	A	21.5	39.8	54.0	73.1
Moment Of Inertia	Kgm ²	0.074	0.074	0.074	0.074
Number Of Pole Pairs		24	24	24	24
Motor Weight	Kg	70	70	70	70
Power Connector		M23 8-pin	M23 8-pin	M23 8-pin	M23 8-pin
Feedback Connector		M23	M23	M23	M23

Dimensions (Solid Shaft)



Dimensions (Hollow Shaft)



PASD142

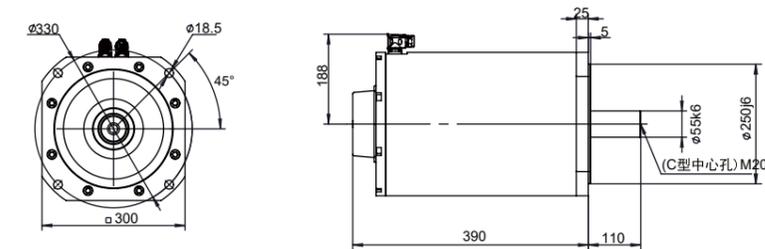
Direct Drive

Series 135N.m

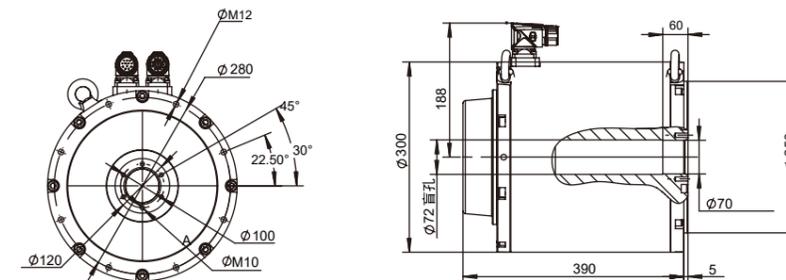


	Model	PASD142-EA3102	PASD142-EA2704	PASD142-EA2306	PASD142-EA1908
Stall Torque	N.m	135	135	135	135
Stall Current	A	6.1	12.2	17.4	22.0
Rated Power	KW	2.74	5.32	7.73	9.97
Rated Torque	N.m	131	127	123	119
Rated Speed	Rpm	200	400	600	800
Rated Current	A	5.9	11.5	15.8	19.4
Maximum Torque	N.m	340	340	340	340
Maximum Current	A	17.0	34.0	48.2	61.1
Moment Of Inertia	Kgm ²	0.10	0.10	0.10	0.10
Number Of Pole Pairs		32	32	32	32
Motor Weight	Kg	75	75	75	75
Power Connector		M23 8-pin	M23 8-pin	M23 8-pin	M23 8-pin
Feedback Connector		M23	M23	M23	M23

Dimensions (Solid Shaft)



Dimensions (Hollow Shaft)



PASD142

Direct Drive

Series 195N.m



PASD 142

Direct Drive

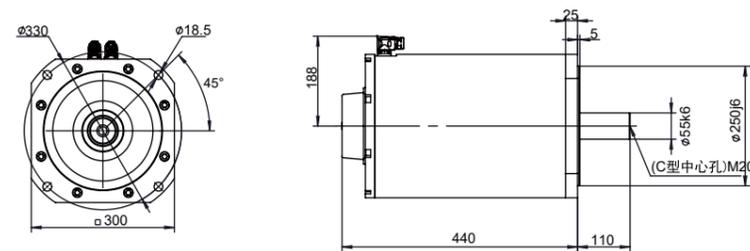
Series 250N.m



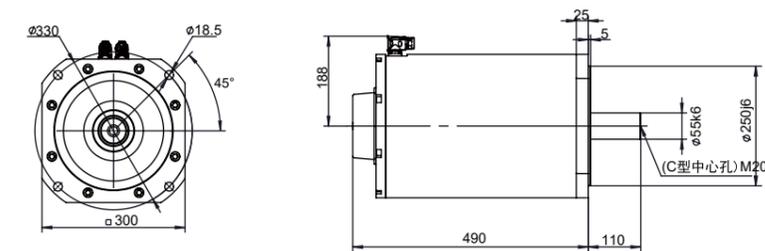
Model		PASD142-EA8902	PASD142-EA8603	PASD142-EA8304	PASD142-EA8005	PASD142-EA7706
Stall Torque	N.m	195	195	195	195	195
Stall Current	A	8.4	13.2	16.7	21.2	23.6
Rated Power	KW	3.96	5.84	7.67	9.42	11.1
Rated Torque	N.m	189	186	183	180	177
Rated Speed	Rpm	200	300	400	500	600
Rated Current	A	8.1	12.6	15.7	19.6	21.4
Maximum Torque	N.m	510	510	510	510	510
Maximum Current	A	24.1	38.2	48.2	61.1	67.9
Moment Of Inertia	Kgm ²	0.15	0.15	0.15	0.15	0.15
Number Of Pole Pairs		32	32	32	32	32
Motor Weight	Kg	100	100	100	100	100
Power Connector		M23 8-pin				
Feedback Connector		M23	M23	M23	M23	M23

Model		PASD142-EB4202	PASD142-EB3803	PASD142-EB3404	PASD142-EB3005
Stall Torque	N.m	250	250	250	250
Stall Current	A	11.3	16.1	20.4	24.5
Rated Power	KW	5.07	7.48	9.80	12.0
Rated Torque	N.m	242	238	234	230
Rated Speed	Rpm	200	300	400	500
Rated Current	A	11.0	15.3	19.1	22.5
Maximum Torque	N.m	680	680	680	680
Maximum Current	A	34.0	48.2	61.1	73.3
Moment Of Inertia	Kgm ²	0.19	0.19	0.19	0.19
Number Of Pole Pairs		32	32	32	32
Motor Weight	Kg	130	130	130	130
Power Connector		M23 8-pin	M23 8-pin	M23 8-pin	M23 8-pin
Feedback Connector		M23	M23	M23	M23

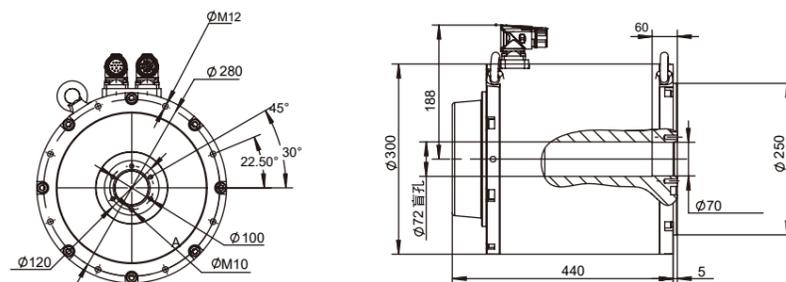
Dimensions (Solid Shaft)



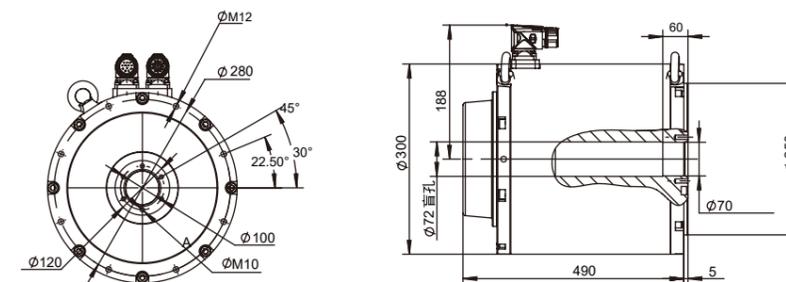
Dimensions (Solid Shaft)



Dimensions (Hollow Shaft)



Dimensions (Hollow Shaft)



PASL Stainless Steel Series

G



Key Features

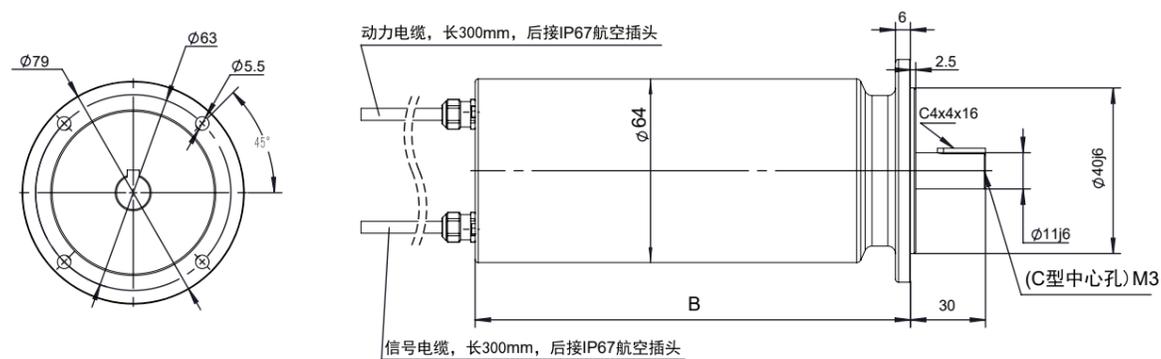
- Rated power: 0.2-2kW, 6000rpm
- Select stainless steel AISI316L material. Suitable for environments with the highest standard of corrosion resistance
- Smooth surface transition, no hygienic dead corners, easy to wash
- The protection level is IP66, and can be customized IP67K or IP69K
- Excellent heat dissipation design, less torque derating, speed up to 6000rpm
- Special customized type can withstand medium dose radiation

PASL063 Stainless Steel Series



Model		PASL063-E00260H	PASL063-E00360H	PASL063-E00460H
Stall Torque	Nm	0.35	0.60	0.87
Stall Current	A	0.66	0.89	1.35
Operating Voltage	VAC	380-480	380-480	380-480
Rated Power	KW	0.18	0.23	0.28
Rated Torque	N.m	0.29	0.36	0.44
Rated Speed	Rpm	6000	6000	6000
Rated Current	A	0.55	0.54	0.68
Maximum Torque	N.m	1.34	2.68	4.02
Maximum Current	A	2.7	4.3	6.6
Moment Of Inertia	Kgm ²	0.09(0.14)	0.17(0.22)	0.25(0.30)
Length		L1	L2	L3

Dimensions



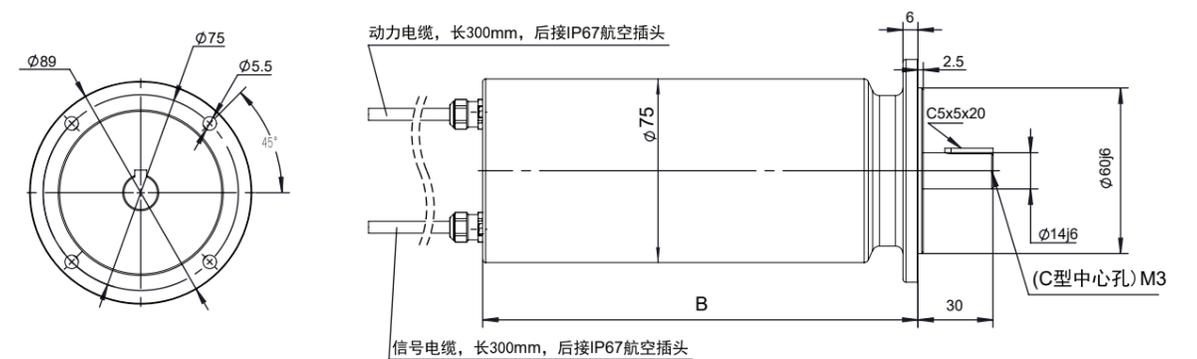
	B(without brake) (mm)	B(with brake) (mm)
L1	143	173
L2	168	198
L3	193	223

PASL075 Stainless Steel Series



Model		PASL075-E00660H	PASL075-E01045H	PASL075-E01245H
Stall Torque	N.m	0.87	1.34	1.75
Stall Current	A	1.01	1.34	1.66
Operating Voltage	VAC	380-480	380-480	380-480
Rated Power	KW	0.35	0.46	0.57
Rated Torque	N.m	0.56	0.97	1.20
Rated Speed	Rpm	6000	4500	4500
Rated Current	A	0.65	0.97	1.1
Maximum Torque	N.m	2.56	5.3	7.1
Maximum Current	A	3.8	5.7	7.2
Moment Of Inertia	Kgm ²	0.13(0.31)	0.25(0.43)	0.33(0.51)
Length		L1	L2	L3

Dimensions



	B(without brake) (mm)	B(with brake) (mm)
L1	145	179
L2	170	204
L3	187	221

PASL100 Stainless Steel Series



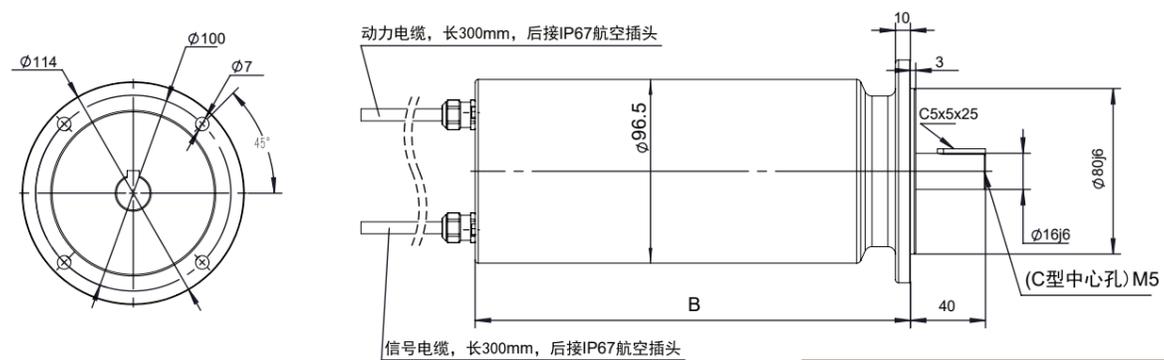
PASL115 Stainless Steel Series



Model		PASL100-E01245H	PASL100-E02045H	PASL100-E07845H
Stall Torque	N.m	1.41	2.45	3.48
Stall Current	A	1.8	2.6	3.5
Operating Voltage	VAC	380-480	380-480	380-480
Rated Power	KW	0.57	0.93	1.31
Rated Torque	N.m	1.20	1.98	2.77
Rated Speed	Rpm	4500	4500	4500
Rated Current	A	1.5	2.1	2.8
Maximum Torque	N.m	4.8	9.6	13.5
Maximum Current	A	6.7	12.0	17.2
Moment Of Inertia	Kgm ²	0.44(0.55)	0.74(0.85)	1.04(1.15)
Length		L1	L2	L3

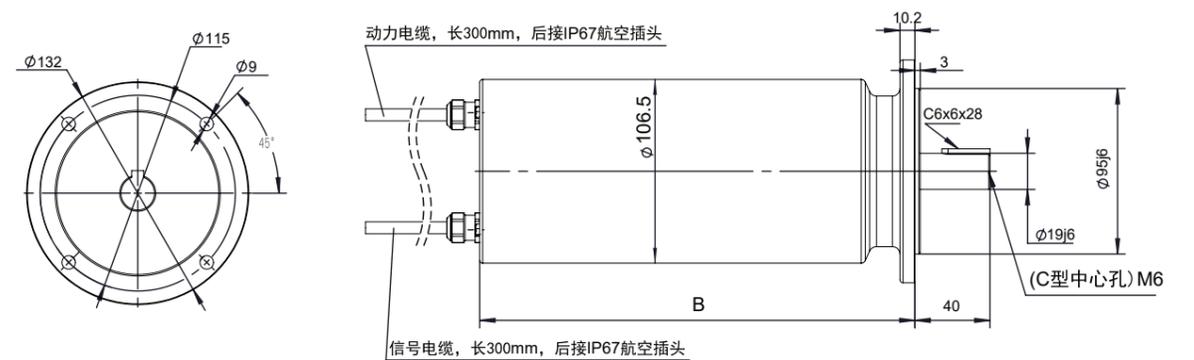
Model		PASL115-E02030H	PASL115-E02530H
Stall Torque	N.m	2.13	3.53
Stall Current	A	1.7	2.4
Operating Voltage	VAC	380-480	380-480
Rated Power	KW	0.63	0.77
Rated Torque	N.m	2.02	2.46
Rated Speed	Rpm	3000	3000
Rated Current	A	1.6	1.6
Maximum Torque	N.m	8.0	16.0
Maximum Current	A	6.4	10.8
Moment Of Inertia	Kgm ²	1.35(1.61)	2.42(2.68)
Length		L1	L2

Dimensions



	B(without brake) (mm)	B(with brake) (mm)
L1	155	191
L2	180	216
L3	205	241

Dimensions



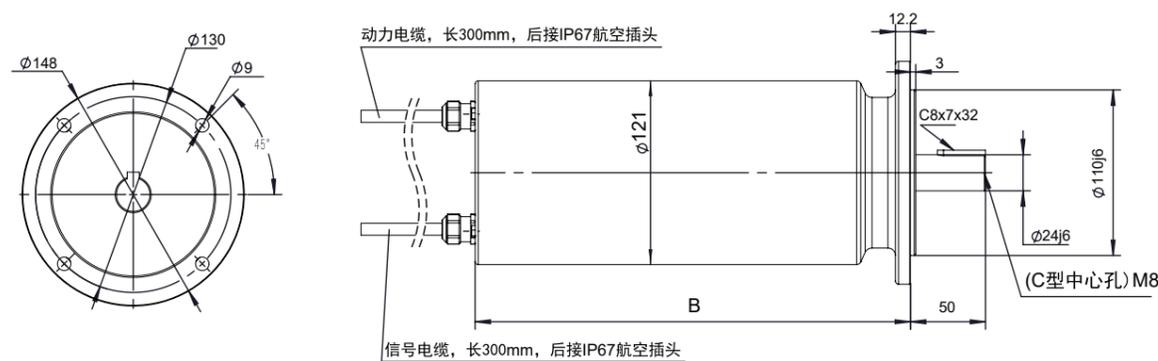
	B(without brake) (mm)	B(with brake) (mm)
L1	164.5	201.5
L2	189.5	226.5

PASL130 Stainless Steel Series



Model		PASL130-E03630H	PASL130-E04920H	PASL130-E05720H
Stall Torque	N.m	4.59	6.33	8.06
Stall Current	A	3.3	3.2	3.0
Operating Voltage	VAC	380-480	380-480	380-480
Rated Power	KW	1.12	1.02	1.18
Rated Torque	N.m	3.55	4.87	5.65
Rated Speed	Rpm	3000	2000	2000
Rated Current	A	2.5	2.5	2.1
Maximum Torque	N.m	16.0	24.0	32.0
Maximum Current	A	12.7	12.6	12.6
Moment Of Inertia	Kgm ²	2.48(2.93)	3.55(4.00)	4.61(5.06)
Length		L1	L2	L3

Dimensions



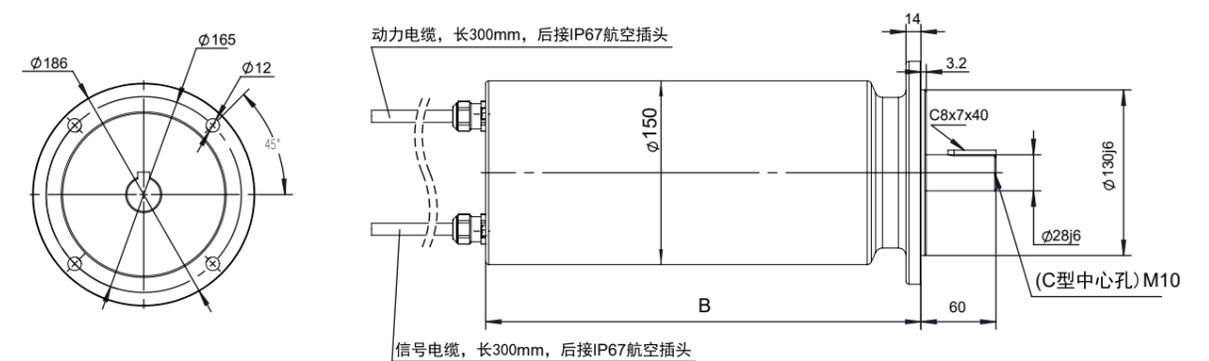
	B(without brake) (mm)	B(with brake) (mm)
L1	198	243
L2	223	268
L3	248	293

PASL165 Stainless Steel Series



Model		PASL130-E03630H	PASL130-E04920H	PASL130-E05720H
Stall Torque	N.m	9.00	16.4	19.4
Stall Current	A	4.8	6.2	6.1
Operating Voltage	VAC	380-480	380-480	380-480
Rated Power	KW	1.37	1.88	2.09
Rated Torque	N.m	6.52	12.0	13.3
Rated Speed	Rpm	2000	1500	1500
Rated Current	A	3.5	4.5	4.2
Maximum Torque	N.m	25.0	50.0	62.5
Maximum Current	A	14.6	20.4	21.4
Moment Of Inertia	Kgm ²	6.69(8.34)	12.6(14.2)	15.6(17.2)
Length		L1	L2	L3

Dimensions



	B(without brake) (mm)	B(with brake) (mm)
L1	205.5	259.5
L2	255.5	309.5
L3	280.5	334.5

High Efficiency Lies in Reliability

Concentration Drives the Future

○ **Fast Response**

The advanced control algorithm greatly improves the system response, with a current loop frequency response of 2.5 kHz and a velocity loop frequency response of 1.6 kHz.

○ **Higher Accuracy**

Support a variety of encoders, the maximum accuracy of 24 bit, high resolution encoder to meet the equipment high-precision positioning control and smooth operation. requirements. E Series are equipped with a dual encoder interface for full closed loop support

○ **More Control Modes**

Pulse, Analog Voltage, RS485, CANopen, MECHATROLINK- II , MECHATROLINK- III , EtherCAT, POWERLINK

○ **Complete Power Band**

Pulse 220V: 50W-5.5kW; Pulse 380V: 1kW-7.5W; Bus 220V: 50W~5.5kW Bus 380V: 1kW-22kW

○ **Safe And Reliable**

Comply with STO/SBC/SS1/SS2 international safety standards, reliable and stable.



Servo Drive



- Fast Response
- Higher Accuracy
- More Control Modes
- Complete Power Band
- Safe And Reliable

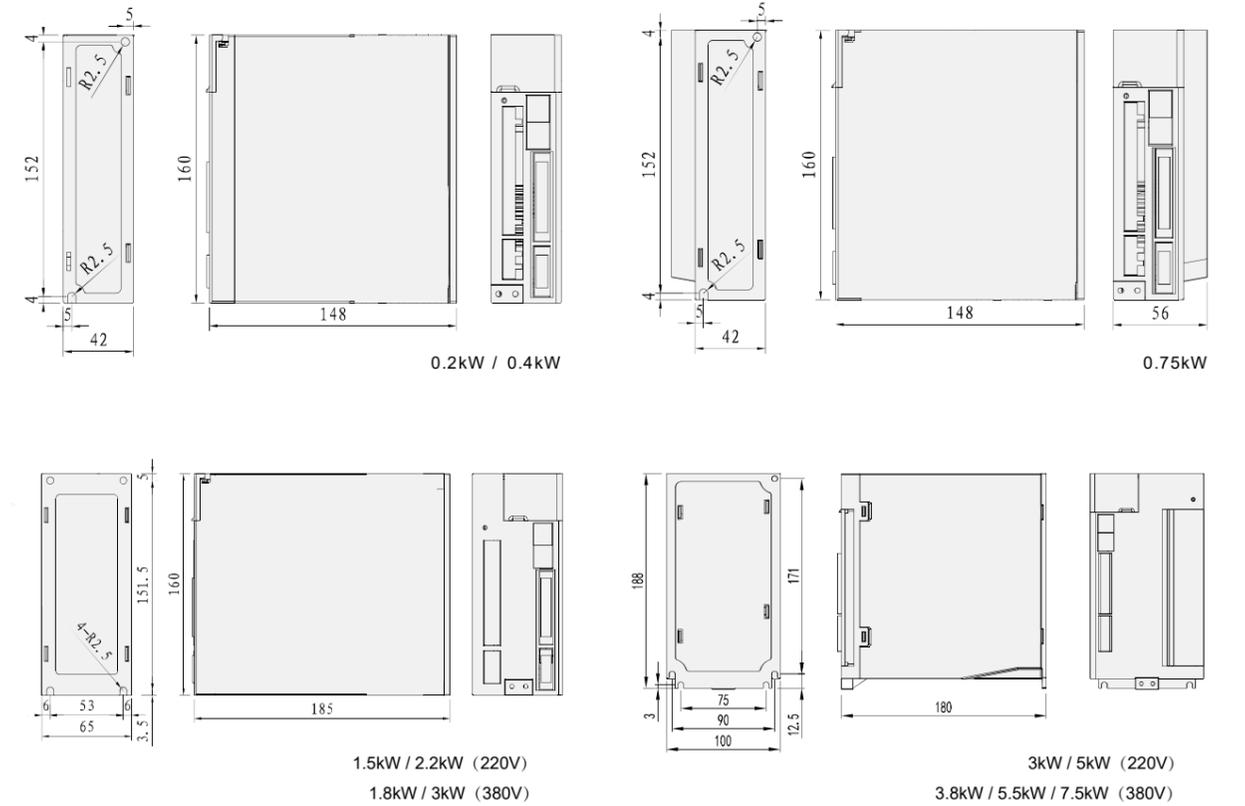
Servo Drive Naming Conventions

$\frac{\text{PSD}}{1} - \frac{\text{K}}{2} \frac{\text{A}}{3} \frac{\text{S}}{4} \frac{15}{5} \frac{\text{A}}{6} \frac{\text{B}}{7}$

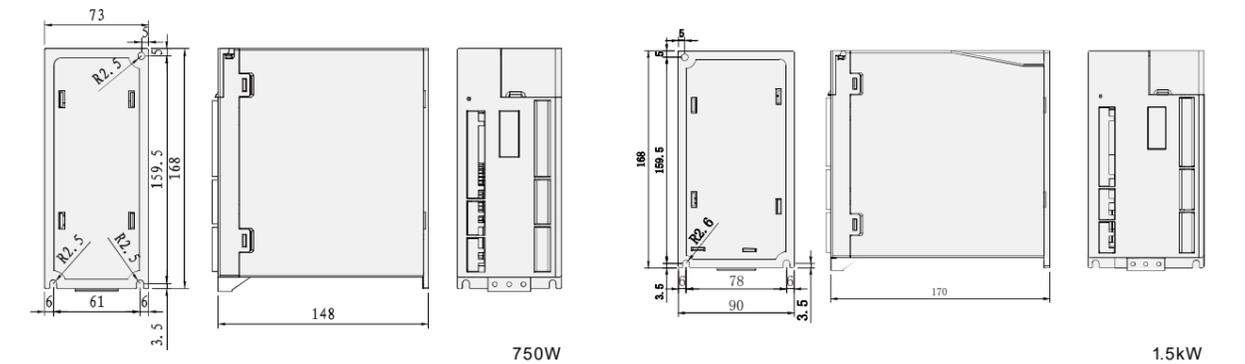
- 1 Enterprise code: PSD means PRIMOPAL servo drive
- 2 Series: K means K series
- 3 Power voltage: A means three-phase 220V, B means three-phase 380V
- 4 Output: S means single axis, D means double axes
- 5 Power level: 02 means 0.2kW, 04 means 0.4kW, 08 means 0.75kW,
15 means 1.5kW, 22 means 2.2kW, 30 means 3kW, 50 means 5kW
- 6 Input signal: E means EtherCAT, C means CANopen
- 7 Encoder : A means ABZ incremental encoder, B means absolute encoder

Servo Drive External Dimensions

PSDK, PSDG, PSDH, PSDF Series



PSDL Series



PSDK Series Servo Drive



Product Features

Product Features

- Powerful internal position mode allows for continuous multi-path planning for rich motion control; supports up to 32 data sets for planning, each set of data can be set to the number of pulses or angle required, and internal position mode can be set for speed, acceleration, deceleration and emergency deceleration
- Automatic determination of load inertial mechanical properties, setting optimal gain and shortening system commissioning time

Stable

- Mechanical resonance frequency analysis, configured with two sets of trap filters, adjustable frequency (50 ~ 5000Hz) and trap depth, effectively overcome low frequency resonance and mechanical end vibration, vibration frequency (1 ~ 100Hz) and vibration damping can be set
- Frictional torque compensation reduces the effect of static friction during mechanical commutation and improves command following performance at low speeds

Easy to Operate

- Support for debugging software, mechanical characteristics analysis, parameter setting, monitoring and other functions, intuitive and simple operation

Specifications

Model

PSDKAS02□□ 0.2KW	PSDKAS04□□ 0.4KW	PSDKAS08□□ 0.75KW	PSDKAS15□□ 1.5KW	PSDKAS22□□ 2.2KW	PSDKAS30□□ 3KW	PSDKAS50□□ 5KW
PSDKBS15□□ 0.2KW	PSDKBS25□□ 0.4KW	PSDKBS35□□ 0.75KW	PSDKBS55□□ 1.5KW	PSDKBS75□□ 2.2KW		

Input Power

Control Mode

Three-phase PWM converter sine wave drive

Main Power

220V: Single-phase / three-phase 220V AC (-15~+10%, 50~60Hz)
380V: Three-phase 380V AC (-15~+10%, 50~60Hz)

Control Power

220V: Single-phase 220V AC (-15~+10%, 50~60Hz)

Rated Current

220V: 0.2kW/2A, 0.4kW/2.8A, 0.75kW/5.5A, 1.5kW/10A, 2.2kW/12A, 3kW/16A, 5kW/25A
380V: 1.8kW/5A, 3kW/8A, 3.8kW/12A, 5.5kW/16A, 7.5kW/20A

Encoder Feedback

ABZ incremental encoder/absolute encoder

Environment

Working Temperature

0~45°C

Storage Temperature

-20~65°C

Working Humidity

20~85%RH or less (non condensing)

Storage Humidity

20~85%RH or less (non condensing)

Working And Storage air

Indoor (no direct sunlight), non-corrosive gases, flammable gases, oil mist, dust

Altitude

Below 1000m

Vibration

5.8m/s² (0.6G) below 10~60Hz (Cannot be used continuously at resonant frequency)

Insulation And Pressure Resistance

Primary- between F and G, 1 minute under AC1500V

Functions

IO Input

4-channel (DC24V opto-coupler isolation) Input function can be selected according to parameters below: Servo on, P action positive rotation inhibit, negative rotation inhibit, alarm reset, positive torque limit, negative torque limit, error clear

IO Output

3-channel opto-coupler isolated output; the following output function can be selected according to parameters: Alarm output, position proximity, velocity consistent detection output, motor rotation detection, servo ready, torque limit, brake release

Pulse Input

Differential input: 500K; open collector: 200K
Pulse + direction, AB orthogonal pulse, CW+CCW pulse

Pulse Output

Phase A, phase B: differential output. Phase Z: differential output or open collector output

Internal Speed Command

Three-speed distribution via input terminals

Overload Capacity

Max. 3 times torque

Analog Input

2-channel differential input ±10V, 1-channel single-ended 0-10V; switch according to control mode

Communication

Modbus; Customized CAN

Control Modes

12 control modes: position control, speed control, torque control, inner speed, position/speed control, position/torque control, speed/torque control, inner speed/position, inner speed/speed, inner speed/torque, speed/zero clamp, position control/command inhibit

Regenerative Resistance

400W: without external regenerative resistance; over 750W: with

PSDL Series Servo Drive



Product Features

High Efficiency

- Built-in gantry control synchronization algorithm
- Automatic determination of load inertial mechanical properties, setting optimal gain and shortening system commissioning time
- Powerful internal location control mode, 32 sets of location data path planning. This feature not only saves the user PLC costs, but also allows for more efficient control

High Accuracy

- Bus synchronization accuracy <0.1us: multi-axis synchronization algorithm at current loop level

Stable

- Mechanical resonance frequency analysis, configured with two sets of trap filters, adjustable frequency (50 ~ 5000Hz) and trap depth effectively overcome low frequency resonance and mechanical end vibration, vibration frequency (1 ~ 100Hz) and vibration damping can be set
- Frictional torque compensation reduces the effect of static friction during mechanical commutation and improves command following performance at low speeds

Easy to Operate

- Support for debugging software, mechanical characteristics analysis, parameter setting, monitoring and other functions, intuitive and simple operation

Specifications

Model

PSDLAD08□□ PSDLAD15□□
0.75KW 1.5KW

Input Power

Control Mode

Three-phase PWM converter sine wave drive

Main Power

Single-phase / three-phase 220V AC (-15~+10%, 50~60Hz)

Control Power

Single-phase 220V AC (-15~+10%, 50~60Hz)

Rated Current

220V: 0.75kW/5.5A, 1.5kW/10A

Encoder Feedback

ABZ incremental encoder/absolute encoder

Environment

Working Temperature

0~45°C

Storage Temperature

-20~65°C

Working Humidity

20~85%RH or less (non condensing)

Storage Humidity

20~85%RH or less (non condensing)

Working And Storage air

Indoor (no direct sunlight), non-corrosive gases, flammable gases, oil mist, dust

Altitude

Below 1000m

Vibration

5.8m/s² (0.6G) below 10~60Hz (Cannot be used continuously at resonant frequency)

Insulation And Pressure Resistance

Primary- between F and G, 1 minute under AC1500V

Functions

IO Input

6-channel (DC24V opto-coupler isolation) Input function can be selected according to parameters below: Servo on, P action positive rotation inhibit, negative rotation inhibit, alarm reset, positive torque limit, negative torque limit, error clear

IO Output

4-channel opto-coupler isolated output; the following output function can be selected according to parameters: Alarm output, position proximity, velocity consistent detection output, motor rotation detection, servo ready, torque limit, brake release

Pulse Input

Differential input: 500K; open collector: 200K
Pulse + direction, AB orthogonal pulse, CW+CCW pulse

Pulse Output

Phase A, phase B: differential output. Phase Z: differential output or open collector output

Internal Speed Command

Three-speed distribution via input terminals

Overload Capacity

Max. 3 times torque

Analog Input

2-channel differential input ±10V, 1-channel single-ended 0-10V; switch according to control mode

Communication

Modbus; Customized CAN

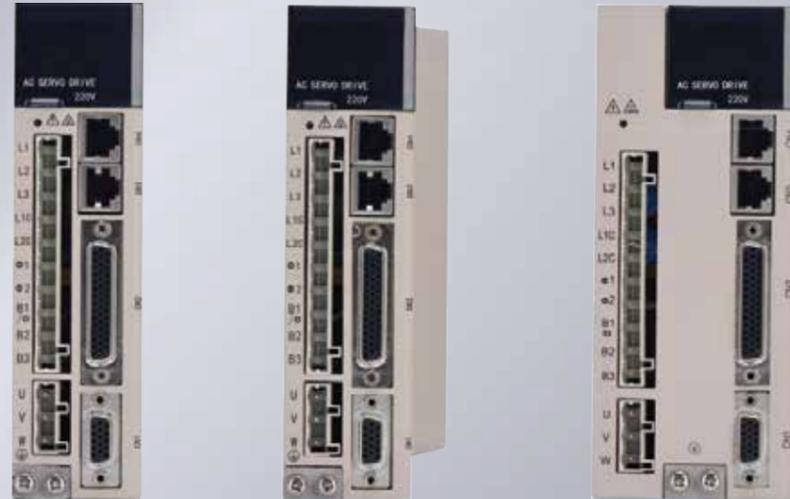
Control Modes

12 control modes: position control, speed control, torque control, inner speed, position/speed control, position/torque control, speed/torque control, inner speed/position, inner speed/speed, inner speed/torque, speed/zero clamp, position control/command inhibit

Regenerative Resistance

400W: without external regenerative resistance; over 750W: with

PSDG Series Servo Drive



Product Features

Fast and Accurate

- Faster computation speed with 150MHz main frequency processor. Current loop frequency response is 2.5kHz, speed loop frequency response is 1.6kHz
- Up to 23 bit bus encoder for positioning accuracy
- Improved velocity and accuracy with Kalman observer

Stable Operation

- Configured with two notch filters, adjustable frequency and depth of notch, effectively overcome the low frequency resonance and vibration of the machine end

Multi-Functional

- 12 control modes to choose from to easily meet the needs of any application
- Built-in position/velocity/acceleration observer for improved response bandwidth, real-time monitoring of operating status, and collision detection
- Pulse command filter function, can set the pulse filter width, filter out high frequency interference signal, improve the servo anti-interference ability

Easy to Debug

- 6-channel software oscilloscope, easy to debug
- Support load inertia recognition function, shorten the debugging process and save man-hours

Specifications

Model

PSDGAS04AB	PSDGAS08AB	PSDGAS15AB	PSDGAS22AB	PSDGAS30AB	PSDGAS50AB
0.4KW	0.75KW	1.5KW	2.2KW	3.0KW	5.0KW

Input Power

Control Mode

Three-phase PWM converter sine wave drive

Main Power

Single-phase / three-phase 220V AC (-15~+10%, 50~60Hz)

Control Power

Single-phase 220V AC (-15~+10%, 50~60Hz)

Rated Current

0.4kW/2.8A, 0.75kW/5.5A, 1.5kW/10A, 2.2kW/12A, 3kW/16A, 5kW/25A

Encoder Feedback

Serial encoder, support for the Tamagawa protocol

Environment

Working Temperature

0~45°C

Storage Temperature

-20~65°C

Working Humidity

20~85%RH or less (non condensing)

Storage Humidity

20~85%RH or less (non condensing)

Working And Storage air

Indoor (no direct sunlight), non-corrosive gases, flammable gases, oil mist, dust

Altitude

Below 1000m

Vibration

5.8m/s² (0.6G) below 10~60Hz (Cannot be used continuously at resonant frequency)

Insulation And Pressure Resistance

Primary- between F and G, 1 minute under AC1500V

Functions

IO Input

8-channel (DC24V opto-coupler isolation) Input function can be selected according to parameters below: Servo on, P action positive rotation inhibit, negative rotation inhibit, alarm reset, positive torque limit, negative torque limit, error clear

IO Output

4-channel opto-coupler isolated output; the following output function can be selected according to parameters: Alarm output, position proximity, velocity consistent detection output, motor rotation detection, servo ready, torque limit, brake release

Pulse Input

Differential input: 500K; open collector: 200K
Pulse + direction, AB orthogonal pulse, CW+CCW pulse

Pulse Output

Phase A, phase B: differential output. Phase Z: differential output or open collector output

Internal Speed Command

Three-speed distribution via input terminals

Overload Capacity

Max. 3 times torque

Analog Input

1-channel differential input $\pm 10V$, 1-channel single-ended 0-10V; switch according to control mode

Communication

Modbus; Customized CAN

Control Modes

12 control modes: position control, speed control, torque control, inner speed, position/speed control, position/torque control, speed/torque control, inner speed/position, inner speed/speed, inner speed/torque, speed/zero clamp, position control/command inhibit

Regenerative Resistance

400W: without external regenerative resistance; over 750W: with

PSDH Series Servo Drive



Product Features

High Response

- Current loop frequency response > 2.5 kHz: 16-bit current sampling accuracy; dual sampling and dual update algorithms
- Speed loop frequency response > 1.6 kHz: 23-bit absolute encoder; Kalman observation algorithm

High Accuracy

- Bus synchronization accuracy < 0.1us: Multi-axis synchronization algorithm at current ring level

High Speed Running Motor

- Weak magnetic observation and control function for the servo motor to reach the maximum speed in an instant

Great Adaptability

- Standard EtherCAT communication protocol, which can be adapted to any EtherCAT bus controller
- With detailed functions such as active resonance suppression, end jitter suppression, friction compensation, groove torque compensation, etc., the servo performance can be perfected under various mechanical structures
- Thickened three-proof paint process for better environmental (moisture, corrosion, etc.) adaptation

Specifications

Model

PSDHAS04□□	PSDHAS08□□	PSDHAS15□□	PSDHAS22□□	PSDHAS30□□	PSDHAS50□□
0.4KW	0.75KW	1.5KW	2.2KW	3.0KW	5.0KW
PSDHBS15□□	PSDHBS25□□	PSDHBS35□□	PSDHBS55□□	PSDHBS75□□	
1.8KW	3KW	3.8KW	5.5KW	7.5KW	

Input Power

Control Mode

Three-phase PWM converter sine wave drive

Main Power

220V: Single-phase/three phase 220V AC (-15~+10%, 50~60Hz)
380V: Three-phase 380V AC (-15~+10%, 50~60Hz)

Control Power

220V: Single-phase 220V AC (-15~+10%, 50~60Hz)

Rated Current

220V: 0.4kW/2.8A, 0.75kW/5.5A, 1.5kW/10A, 2.2kW/12A, 3kW/16A, 5kW/25A
380V: 1.8kW/5A, 3kW/8A, 3.8kW/12A, 5.5kW/16A, 7.5kW/20A

Encoder Feedback

ABZ increment encoder / absolute encoder

Environment

Working Temperature

0~45°C

Storage Temperature

-20~65°C

Working Humidity

20~85%RH or less (non condensing)

Storage Humidity

20~85%RH or less (non condensing)

Working And Storage air

Indoor (no direct sunlight), non-corrosive gases, flammable gases, oil mist, dust

Altitude

Below 1000m

Vibration

5.8m/s² (0.6G) below 10~60Hz (Cannot be used continuously at resonant frequency)

Insulation And Pressure Resistance

Primary- between F and G, 1 minute under AC1500V

Control signals

IO Input

6-channel (DC24V opto-coupler isolation) Input function can be selected according to parameters below: Servo on, P action positive rotation inhibit, negative rotation inhibit, alarm reset, positive torque limit, negative torque limit, error clear

IO Output

4-channel opto-coupler isolated output; the following output function can be selected according to parameters: Alarm output, position proximity, velocity consistent detection output, motor rotation detection, servo ready, torque limit, brake release

Communications

EtherCAT, CANopen

Regenerative Resistance

400W: without; over 750W: with

Position Control Modes

Control Input

Servo on, positive rotation prohibited, negative rotation prohibited, forward current limit, reverse current limit, forward limit switch, negative limit switch, zero return proximity switch, bus IO input, probe 1, probe 2, fault reset

Control Output

Servo return to zero completion, servo operation preparation completion, servo fault, position tracking over limit, target position arrival, STO enable flag, bus IO output, brake output

Pulse Output

Output Pulse Patterns

Phase A, phase B, phase Z: differential output

Frequency Dividing Ratio

Arbitrary frequency division

PSDF Series Servo Drive



Product Features

Specialized For CNC

- Standard Mechatrolink II and Mechatrolink III buses, perfectly adapted to LNC, Syntec, HUST and other CNC systems
- Kalman observer algorithm for faster servo response
- Load perturbation compensation algorithm for smoother processing
- Quadrant bump suppression algorithm for finer processing
- Turret control function

Smart

- Powerful internal position mode allows for continuous multi-path planning for rich motion control; supports up to 32 data sets for planning, each set of data can be set to the number of pulses or angle required, and internal position mode can be set for speed, acceleration, deceleration and emergency deceleration
- Automatic determination of load inertial mechanical properties, setting optimal gain and shortening system commissioning time

Stable

- Mechanical resonance frequency analysis, configuration of two sets of trap filters, adjustable frequency (50~5000Hz) and trap depth, effectively overcome low frequency resonance and mechanical end vibration, can set the vibration frequency (1~100Hz) and vibration damping
- Frictional torque compensation reduces the effect of static friction during mechanical commutation and improves command following performance at low speeds

Specifications

Model

PSDFAS08□□ 0.75kW	PSDFAS15□□ 1.5kW	PSDFAS22□□ 2.2kW	PSDFAS30□□ 3kW	PSDFAS50□□ 5kW
PSDFBS15□□ 1.8kW	PSDFBS25□□ 3kW	PSDFBS35□□ 3.8kW	PSDFBS55□□ 5.5kW	PSDFBS75□□ 7.5kW

Input Power

Control Mode

Three-phase PWM converter sine wave drive

Main Power

220V: Single-phase/three phase 220V AC (-15~+10%, 50~60Hz)
380V: Three-phase 380V AC (-15~+10%, 50~60Hz)

Control Power

220V: Single-phase 220V AC (-15~+10%, 50~60Hz)

Rated Current

220V: 0.4kW/2.8A, 0.75kW/5.5A, 1.5kW/10A, 2.2kW/12A, 3kW/16A, 5kW/25A
380V: 1.8kW/5A, 3kW/8A, 3.8kW/12A, 5.5kW/16A, 7.5kW/20A

Encoder Feedback

Absolute encoder

Environment

Working Temperature

0~45°C

Storage Temperature

-20~65°C

Working Humidity

20~85%RH or less (non condensing)

Storage Humidity

20~85%RH or less (non condensing)

Working And Storage air

Indoor (no direct sunlight), non-corrosive gases, flammable gases, oil mist, dust

Altitude

Below 1000m

Vibration

5.8m/s² (0.6G) below 10~60Hz (Cannot be used continuously at resonant frequency)

Insulation And Pressure Resistance

Primary- between F and G, 1 minute under AC1500V

Control Signals

Input

6-channel (DC24V opto-coupler isolation) Input function can be selected according to

Output

parameters 4-channel opto-coupler isolated output; output function can be selected according to

Communications

parameters MECHATROLINK-II MECHATROLINK-III

Control Modes

3 control modes: position control, speed control, torque mode

Regenerative Resistance

400W: without; over 750W: with

Position Control Modes

Control Input

Home Recursive Deceleration Switch Signal (/DEC), external latch signal (/EXT 1 to 2), positive rotation prohibited (P-OT), negative rotation prohibited (N-OT), positive rotation side torque limit (/P-CL), negative rotation side torque limit (/N-CL)

Control Output

Servo alarm (ALM), position completion (/COIN), velocity consistent detection, brake (/BK), servo motor rotation detection (/TGON), servo ready (/S-RDY), torque limit detection (/CLT), encoder zero output

Pulse Output

Output Pulse Patterns

Phase A, phase B, phase Z: differential output

Frequency Dividing Ratio

Arbitrary frequency division

Communications

Communication Protocols

MECHATROLINK- II \ MECHATROLINK- III

Transmission Speed

M2: 10 Mbps; M3: 100 Mbps

Transmission Period

M2: 250 μsec ~ 8 msec; M3: 31.25 μsec ~ 64 msec

Frame Length

M2: 17bytes/32bytes; M3: 32bytes/48bytes

Connectable Slave Station NO.

M2: up to 30; M3: up to 62

Command Methods

Command Specifications

Via position control, speed control and torque control of MECHATROLINK

Command Input

MECHATROLINK command (such as compliance control, motion, data setting/referencing, monitoring, adjustment and other commands)