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Due to the delay in updating the paper version, please refer to the official website for the latest product information

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Y75 the new generation of servo system, to make our customer more satisfied!

Smart!

Rich voltage levels and power specifications



The whole series of Y7S servo drives can match with our X2/X6 series servo motor, which is able to provide 14 different servo drive power specifications of 220v 50W~2KW and 380v 1KW~22KW and 76 kinds of servo motor specifications to choose from. It can meet the application requirements of different customers.

Naming Rule HN-Y7 $\underline{\mathbf{E}}_{1}$ $\underline{\mathbf{A}}_{2}$ $\underline{\mathbf{300}}_{3}$ $\underline{\mathbf{T}}_{4}$ $\underline{\mathbf{S}}_{5}$

1 Functional classification						
N	General-purpose type					
Е	Standard type					
F	Full-functional type					

2	Product type note 1							
А	Pulse							
В	EtherCAT bus							
K	MIII bus							
R	profinet bus							

3 Pov	ver specifications
010	100W
020	200W
040	400W
075	750W
100	1KW
150	1.5KW
200	2KW
300	3KW
500	5KW
600	6KW
750	7.5KW
111	11KW
151	15KW
221	22KW

4 Voltage specifications							
А	AC220V						
Т	AC380V						
5 Prod	uct series branch						
5 Prod	uct series branch						

Same model for 400W or below

-- Easier model selection



Old Y7 series model selection

New Y7S series model selection

More flexible system matching, for servo motor with power below 400W, customers can order 400W servo drive, which can reduce stock categories of dealers and shorten delivery time.

Note 1:MECHATROLINK bus and PROFINET bus models will be launched in 2024

Strong!

Faster response, higher precision, maximize the system performance



The speed loop has a high response of 3.5kHZ, and the accuracy of the encoder is increased to 20bit with X2 series servo motor, and the accuracy of the encoder is increased to a higher 25bit with X6 series servo motor, maximizing the performance of the system and equipment!

Higher speed, higher torque, to realize high-speed equipment!



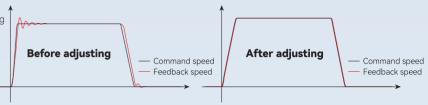
6500 Low power rpm 350 MAX % 4000 High power rpm 300 MAX %

Y7S series is equipped with X2 and X6 series servo motors, which can obtain higher speed and higher torque, shorten positioning time and improve production efficiency!

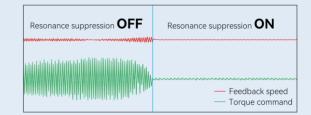
Note 1:X6 series 25Bit servo motor will be launched in Q4 of 2023

One-button self-tuning

Only one button is needed to do the advanced auto-tuning, including resonance suppression, model tracking, and friction compensation, which can be adjusted easily according to different equipment and operating characteristics to maximize the mechanical performance.



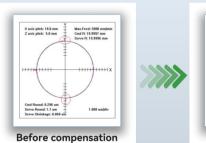
Advanced frequency vibration suppression capability

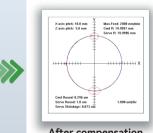


Through the advanced control algorithm, 6 groups of vibrations with different frequencies can be suppressed at the same time, 3 groups of which can suppress low frequency vibrations below about 100Hz, effectively solving the vibration at the end of the cantilever beam mechanism;The other three groups can effectively suppress high-frequency vibrations of 100Hz~5000HZ, improve the gain and rigidity of the mechanism, and effectively suppress the resonance phenomenon of the mechanical structure.

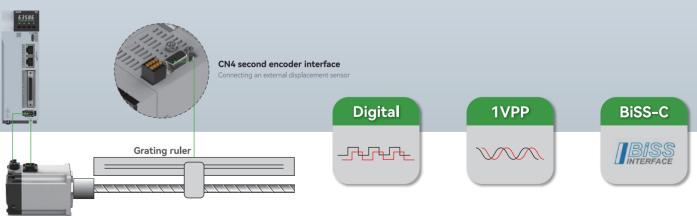
Friction compensation

Improve the accuracy of circular arc trajectory in the trajectory interpolation control of XY mechanism. It can effectively reduce the over–quadrant protrusion caused by the different friction of the mechanism when the servo motor is commutated.





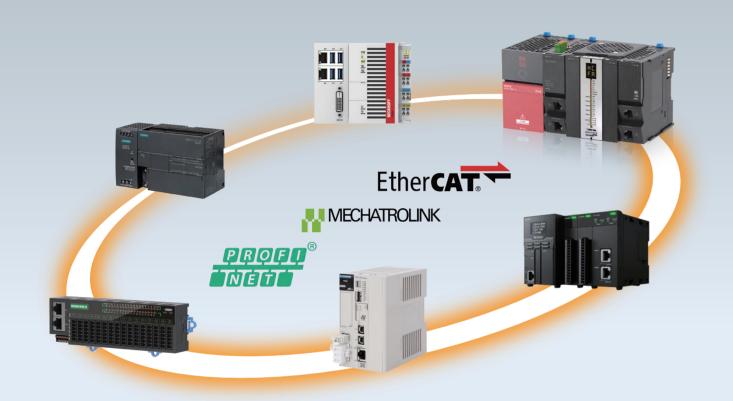
Support full-closed loop control



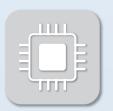
Full-closed loop control can be externally connected to a grating ruler or an encoder to achieve high-precision positioning by reading the position of the mechanism!

Super!

Super motion bus controlled by "Chip"





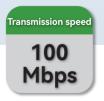


The models of Ethercat, MECHATROLINK or profnet, are supported by the same bus chip which is independently developed by HCFA.



With the design concept of convenient application, the new wireless Bluetooth note 2 function is added in Y7S standard model. Relying on Bluetooth, it not only enables convenient commissioning such as parameter editing, status monitoring, trial run through cell phones and tablets, but also extends the remote IoT function.





Command communication cycle

125

µs

100 m



Transmission speed
100
Mbps

Command communication cycle

125

µs

Transmission distance

Note 1: MECHATROLINK bus and PRODINET bus model will be launched in 2024

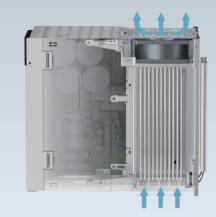
Note 2: Bluetooth function will be launched in Q2 2023

Safety!

Keep safety of users and machines



Withstand Extreme Test



Optimized independent heat dissipation air duct design not only improves heat dissipation efficiency but also isolates from power components to avoid dust and high humidity intrusion into the servo drive. Reliability of products is greatly improved.

Some of the models are built-in brake resistor, the base plate is in hidden installation for a larger heat dissipation area.

Safety function

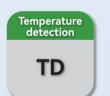


STO (Safe Torque Off)

When danger comes, the system triggers the base blocking function of the servo drive, which can cut off the current of the motor in hardware and stop the operation of the equipment as fast as possible to protect users and machines.

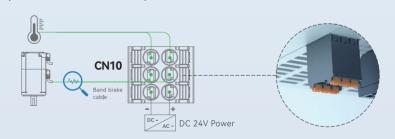


Temperature Detection and Brake Detection



TD(Temperature Detection)

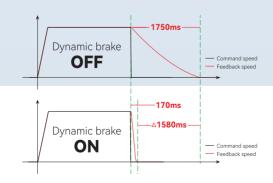
Y7S standard type is built-in temperature detection unit and can be connected with external temperature sensor, note 1 which can better protect the stable operation of the motor.





DB (Dynamic Brake)

When the servo motor is running, if the power failure or alarm occurs, the servo will turn OFF, quickly to protect users and machines.



BD(Brake Detection)



Y7S standard type is built-in brake control relay, with brake disconnection detection function to make brake control more reliable. note 2

Note 1: KTY84 temperature sensor is recommended

Note 2: BD function will be launched in Q2 2023





■ AC 220V Servo Drive Specifications

Power(KW)	Pulse	EtherCAT	MECHATROLINK-III	PROFINET note1	Power supply	Control power	
0.4	HN-Y7□A040A-S	HN-Y7□B040A-S	HN-Y7□K040A-S	HN-Y7□R040A-S	 Single/Three-phase		
0.75	HN-Y7□A075A-S	HN-Y7□B075A-S	HN-Y7□K075A-S	HN-Y7□R075A-S	AC 220V		
1	HN-Y7□A100A-S	HN-Y7□B100A-S	HN-Y7□K100A-S	HN-Y7□R100A-S		Common main circuit power	
1.5	HN-Y7□A150A-S	HN-Y7□B150A-S	HN-Y7□K150A-S	HN-Y7□R150A-S	Single/Three-phase AC 220V		
2	HN-Y7□A200A-S	HN-Y7□B200A-S	HN-Y7□K200A-S	HN-Y7□R200A-S			

Note 1: E:Standard type, F:Full function type, K: MECHATROLINK-III, R: PROFINET will be launched in 2024

■ AC380V Servo Drive Specifications

Power(KW)	Pulse	EtherCAT	MECHATROLINK-III	PROFINET note1	Power supply	Control power
1	HN-Y7□A100T-S	HN-Y7□B100T-S	HN-Y7□K100T-S	HN-Y7□R100T-S		
1.5	HN-Y7□A150T-S	HN-Y7□B150T-S	HN-Y7□K150T-S	HN-Y7□R150T-S		Common main
2	HN-Y7□A200T-S	HN-Y7□B200T-S	HN-Y7□K200T-S	HN-Y7□R200T-S		circuit power
3	HN-Y7□A300T-S	HN-Y7□B300T-S	HN-Y7□K300T-S	HN-Y7□R300T-S		
5	HN-Y7□A500T-S	HN-Y7□B500T-S	HN-Y7□K500T-S	HN-Y7□R500T-S	Three-phase AC 380V	
6	HN-Y7□A600T-S	HN-Y7□B600T-S	HN-Y7□K600T-S	HN-Y7□R600T-S	AC 300 V	
7.5	HN-Y7□A750T-S	HN-Y7□B750T-S	HN-Y7□K750T-S	HN-Y7□R750T-S		AC200V
11	HN-Y7□A111T-S	HN-Y7□B111T-S	HN-Y7□K111T-S	HN-Y7□R111T-S		AC380V
15	HN-Y7□A151T-S	HN-Y7□B151T-S	HN-Y7□K151T-S	HN-Y7□R151T-S		
22	HN-Y7□A221T-S	HN-Y7□B221T-S	HN-Y7□K221T-S	HN-Y7□R221T-S		

Note 1: E:Standard type, F:Full function type, K: MECHATROLINK-III, R: PROFINET will be launched in 2024

Specifications

F ::	Pulse H	N-Y7□A****	-S	EtherCATbus HN-Y7□B****-S			
Function	Full-Turictional type Standard type		General-purpose type	Full-functional type	Standard type	General-purpose type	
I/O	7DI / 5DO	7DI / 5DO	7DI / 5DO	5DI / 2HDO / 3DO	5DI / 3DO	-	
Analog input	2 Al	2 AI	-	2 AI	-	-	
Analog output	1 AO	1 AO	-	1 AO	1 AO	-	
Pulse dividing output	✓	✓	✓	✓	-	-	
Full-closed loop	✓	-	-	✓	-	-	
STO	✓	-	-	✓	✓	-	
Dynamic brake	✓	✓	-	✓	✓	-	
Built-in brake	✓	✓	-	✓	✓	✓	
RS485	✓	✓	-	-	-	-	
Bluetooth	✓	✓	-	✓	✓	-	

Note: " $\sqrt{}$ " :With the function,"-":Without the function

■ AC220V General Specifications

Items			Specification					
N	lame HN-Y7E□***A	-S Note1	040	040 075 10		150	200	
Max. ap	pplicable motor capa	acity(kW)	0.4	0.75	1.0	1.5	2.0	
Contir	nuous output curren	t(Arms)	2.8	5.5	7.6	11.6	15.6	
Max. insta	ntaneous output cu	rrent(Arms)	9.3	16.9	17	28	39	
Main sinovit	Supply voltage	e(Vrms)	Single phase AC2	00~240V, 50/60Hz	Three-phase AC200~240V, 50/60Hz			
Main circuit	Current(Ar	ms)	2.5	4.1	5.7	7.3	10	
	Control power			Con	nmon main circuit po	wer		
	Duille in anniates	Resistance(Ω)	-	50	50	50	20	
Regenerative resistor	Built-in resistor	Capacity(W)	-	40	80	100	100	
	External mini. allowabl	e resistance(Ω)	40	40	35	20	20	
	Over-voltage class	3		III				

■ AC380V General Specifications

	ltems						Specif	ication				
1	Name HN-Y7E□***	\-S ^{Note1}	100	150	200	300	500	600	750	111	151	221
Max. ap	oplicable motor capa	acity(kW)	1.0	1.5	2.0	3.0	5.0	6.0	7.5	11	15	22
Contir	Continuous output current(Arms)			5.4	8.4	11.9	16.5	20.8	25.7	28.1	37.2	52
Max. insta	Max. instantaneous output current(Arms)			17	24	31	44	52	65	70	88	105
Main aireuit	Supply voltag	e(Vrms)	Three-phase AC330~440V,50/60Hz									
Main circuit	Current(Arms)		2.9	4.3	5.8	8.6	14.5	17.4	21.7	23.4	29.6	43.4
	Control power		Con	Common main circuit power AC330V~440V,50/60Hz								
	Duilt in register	Resistance(Ω)	50	50	50	40	25	20	20	-	_	_
Regenerative resistor	Built-in resistor	Capacity(W)	80	80	100	100	100	100	100	-	_	_
	External min. allowable resistance(Ω)		40	40	40	35	25	20	20	15	10	10
	Over-voltage class	3					ı	II				

Note 1: 🗆 indicates control mode. A is Pulse type, B is EtherCAT, K is MECHATROLINK-III, R is PROFINET. Type K and R will be launched in 2024





■ Technical Specifications

	Item	S	Specification
	Control mode		Position control, speed control, torque control, internal speed control Internal speed control – speed control, internal speed control – position control, internal speed control – torque control Position control – Speed control, Position control – Torque control, Torque control – Speed control Speed control – Speed control with zero fix function Position control – Position control with command pulse prohibition function Full closed-loop control (only full-function type supported)
		Max. input pu l se	Open collector pulse input: frequency not more than 200KHz, pulse width larger than 2.5us
	Note 2	frequency	Differential common pulse input: frequency not more than 500KHz, pulse width larger than 1us Differential high-speed pulse input: frequency not more than 4MHz, pulse width larger than 125ns
Position	Pu l se input	Input pulse form	Pulse + direction, A-Phase + B-Phase, CW+CCW
control		Electronic gear setting	B/A
		Command filter	Acceleration and deceleration filters, moving average filter
	Note 2	Frequency division	< 16384
	Pulse output	Output pulse form	Differential Output: A/B/Z; Collector output: Z signal
	Control m	nethod	External analog input
Speed control	Analog in	put vo l tage range	DC±10V (Default 6V, corresponding rated speed can be modified by parameters)
	Torque lir	nit function	Parameter setting, parameter setting+I/O control, analog input
	Control m	node	External analog input
Torque control	Analog input voltage range		DC±10V(Default 3V, corresponding rated speed can be modified by parameters)
	Speed limit function		Parameter setting, parameter setting+I/O control, analog input
Internal speed	Control m	node	I/O Control
control	Movemer	nt speed selection	Support three speed switching by parameters setting
	Control si	gnal Input/Output	7IN/50UT Note 2
	Analog signal Input/Output		2IN (For speed control, torque control) /1OUT (For motor speed and torque monitoring) Note 2
	STO	-	Supported only for some models Note 2
	Second e	ncoder interface	Supported only for some models Note 2
	Inertia sel	f-estimation	Provided
	Tuning-le	ss function	Provided
	One-butt	on tuning	Provided
	Friction c	ompensation	Provided
General function	Vibration su	ppression frequency 1	Provided
Turiction	Vibration su	ppression frequency 2	Provided
	Adaptive	notch fi l ter	Provided
	Encoder outpo	ut division and multiplication	Provided
	Dynamic	brake	Built-in, supported only for some models Note 2
	Regenera	tion function	Built-in resistor, A larger power braking resistor can be connected
	Protective	e function	Over-voltage, low-voltage, phase loss, over-current, overheat, overload, encoder error, over speed, excessive position deviation, parameter error, etc.
		USB	For PC communication(Used for HCServoWorks.Y7)
	Communicat	tion Industrial Nativaria	RS-485、EtherCAT、MECHATROLINK-III ^{Note 1} PROFINET Note 1

Note 1: The models of MECHATROLINK-III&PROFINET will be launched in 2024

Note 2: Refer to page 11 for details

■ Environmental Specifications

Items	Specifications					
Ambient temperature	0° C ~ + 55 $^{\circ}$ C (10% reduction for every 5 degrees of increase in ambient temperature above 45 degree					
Ambient temperature for storage	-20°C ~ +65°C (Max.temperature : 80°C 72 hours without condensation)					
Ambient humidity for use	20% ~ 85%RH or less(Without condensation)					
Ambient humidity for storage	20% ~ 85%RH or less(Without condensation)					
Vibration resistance	5.88m/s^2 (0.6G) or less, 10-60Hz (Avoid being used at resonance frequency)					
Impact resistance	Acceleration up to 100m/s^2 or less (XYZ)					
Protection level	IP20					
Cleanliness	No corrosive gas, combustible gas No water, oil, chemical splash					
Altitude	1000m or below. When the altitude exceeds 1000m, derating before use. It is recommended to refer to the following table or consult our technical staff					
Others	Strong magnetic field, radiation, etc					



16

■ Note: Interface Difference Specifications

Due to different servo drives, the interface differences between models are as follows:

lucka ufa a a	F atia	Pulse H	N-Y7 🗆 A****	-S	EtherCAT bus HN-Y7□B****-S			
Interface	Function	Full-functional type	Standard type	General-purpose type	Full-functional type	Standard type	General-purpose type	
CN1	IO signal	✓	✓	✓	✓	✓	-	
CN3	STO security interface	✓	-	-	✓	✓	-	
CN4	Second encoder interface	✓	-	-	✓	-	-	
CN6	Communication interface	RS485	RS485	-	EtherCAT	EtherCAT	EtherCAT	
CN10	Brake interface	✓	√	-	✓	✓	✓	

■ Note 3: CN3 STO security interface definition

STO interface	STO connector	Interface layout	pin1	pin2	pin3	pin4	pin5	pin6	pin7	pin8
		EDM+ 8 7 EDM- HWBB2+ 6 5 HWBB2-	NC+	NC-	HWBB1-	HWBB1+	HWBB2-	HWBB2+	EDM-	EDM+
		HWBB1+ 4 3 HWBB1- NC- 2 1 NC+	_	-	Input1-	Input1+	Input2-	Input2+	Output-	Output+

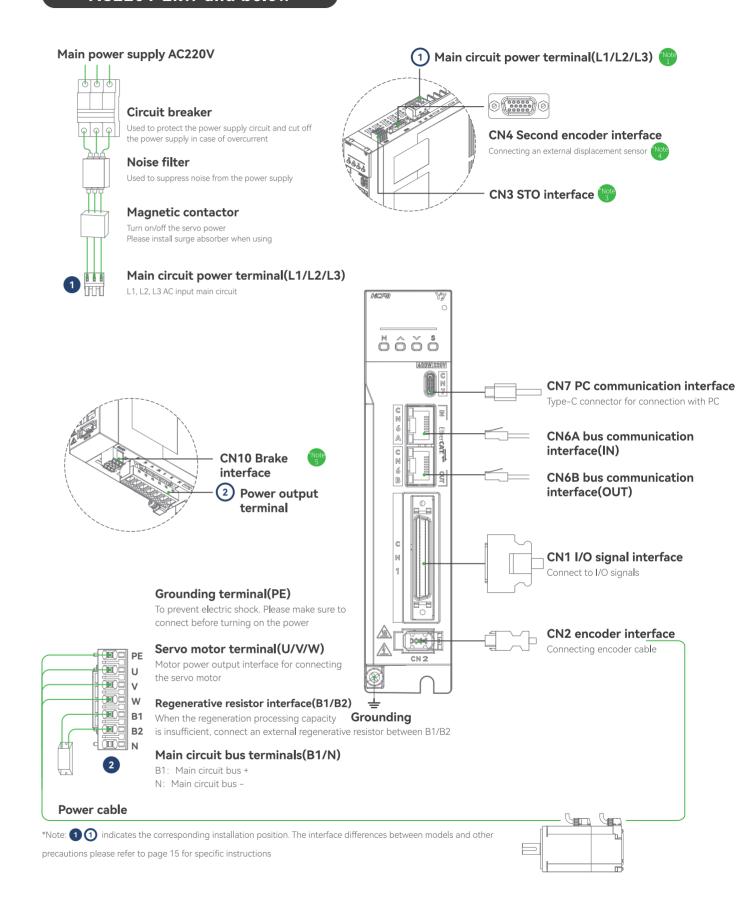
■ Note 4: CN4 second encoder interface definition

	pin1	pin2	pin3	pin4	pin5	pin6	pin7	pin8	pin9	pin10	pin11	pin12	pin13	pin14	pin15
Incremental ABZ	5V	0V	Hall U+	Hall U-	Hall V+	EXA-	EXB-	EXZ-	Hall W+	Hall V-	EXA+	EXB+	EXZ+	Ha ll W-	-
sine cosine	5V	0V	Hall U+	Hall U-	Hall V+	Sin-	Cos-	-	Hall W+	Hall V-	Sin+	Cos+	-	Hall W-	-
BiSS-C	5V	0V	-	-	-	CLK-	DATA-	-	-	-	CLK+	DATA+	-	-	-
Tamagawa	5V	0V	-	-	-	DATA-	-	-	-	-	DATA+	-	-	-	-

■ Note 5: CN10 brake and temperature detection interface definition

Drive brake interface	Brake and temperature detection connector	Interface layout	pin1	pin2	pin3	pin4	pin5	pin6
	Servo motor brake cable DC 24V Power	T- 6 5 T+ BK- 4 3 BK+ 24V	coi		hare the pov		T+ Temperature control+	T- Temperature control- e with CN1

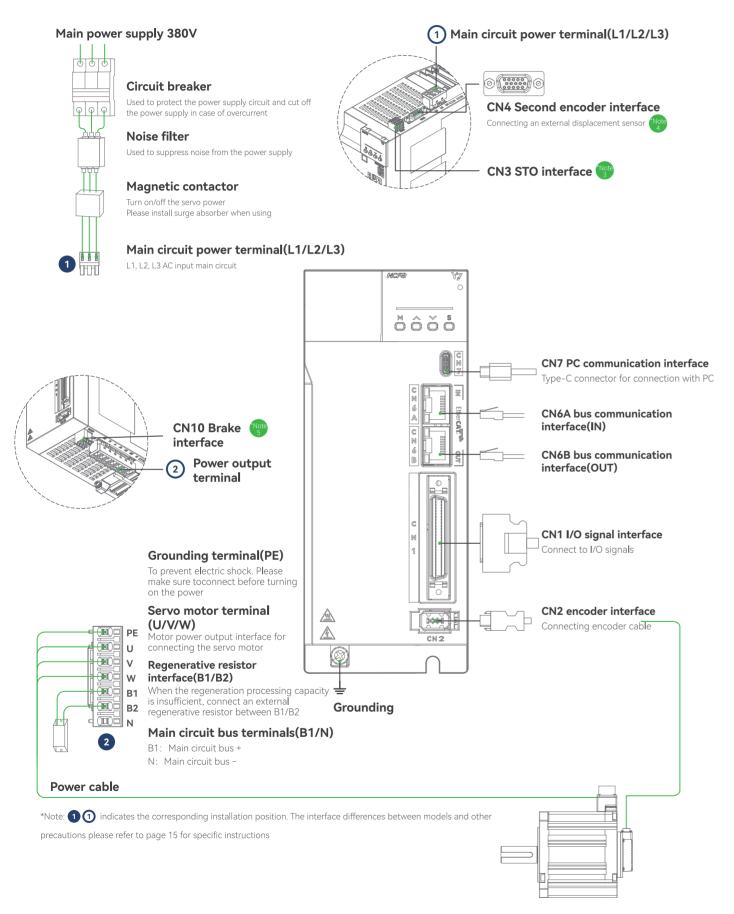
AC220V 2kW and below



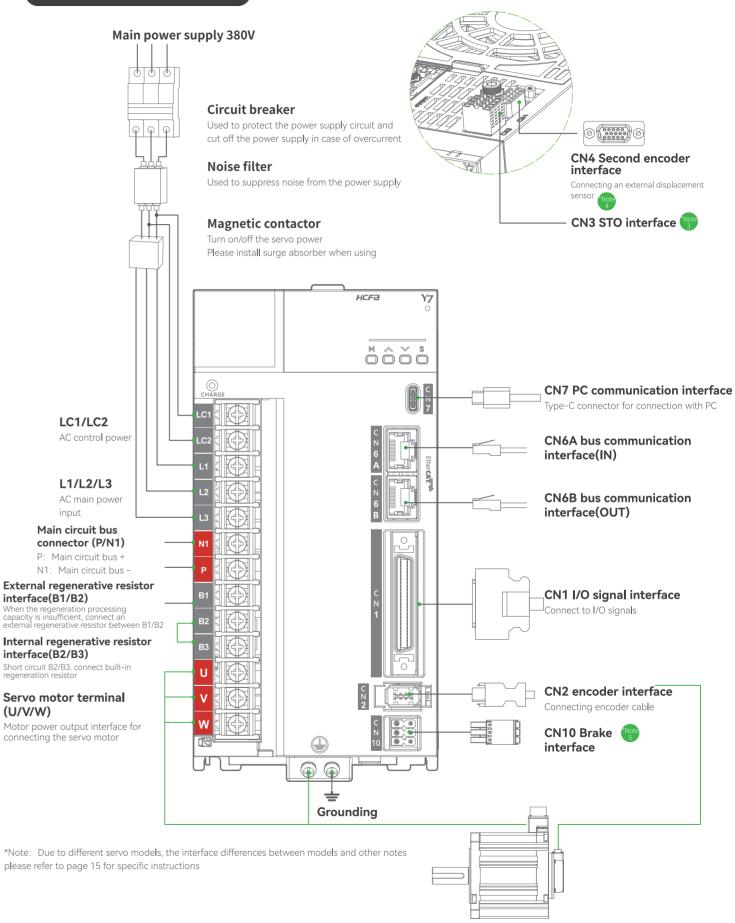
KCFa

AC380V 3kW and below

17



AC380V 5kW



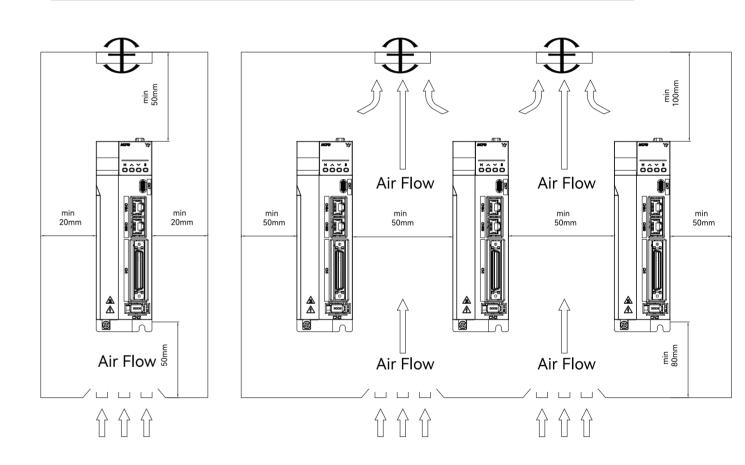
Installation and Wiring Precautions

20



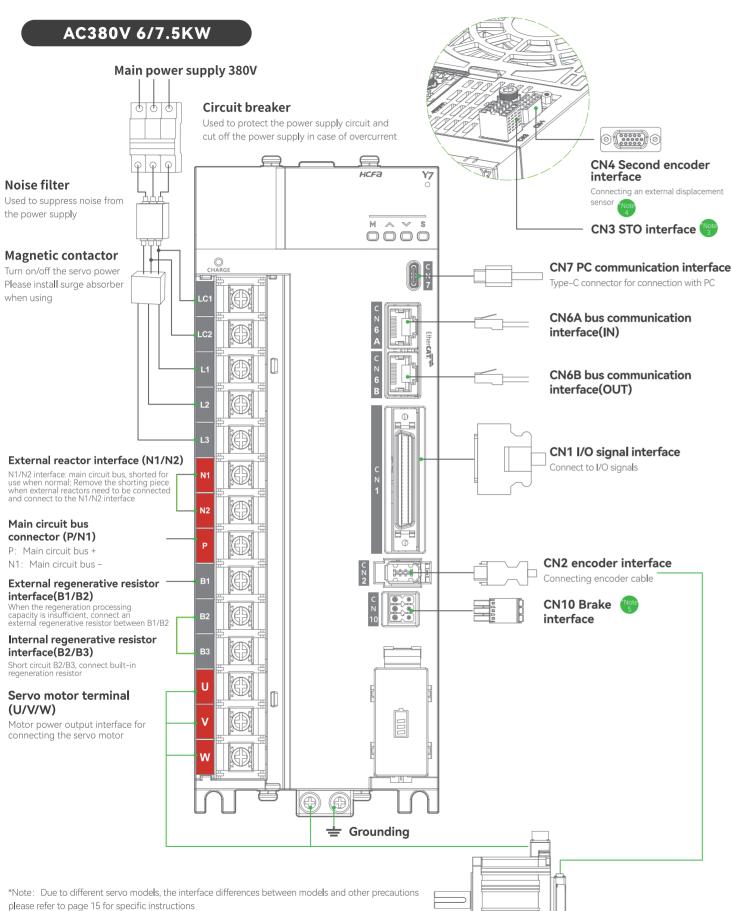
- 1. The power supply of control circuit and main circuit should be wired from the same main power supply
- 2. Please use Shielded Twisted Pair for user I/O cable.
- 3. Use thicker wire (2.0mm² or more) for the grounding cable if possible.
- 4. Ground the 220V power input type servo unit with a grounding resistance of 100Ω or less; Ground the 380V power input type servo unit with a grounding resistance of 10Ω or less.
- 5. Single-point grounding must be done.
- 6. When servo motor and machinery is insulated, please ground the servo motor directly.

When installing more than one servo drive in the control cabinet, ensure that the following space are left around the servo drives.

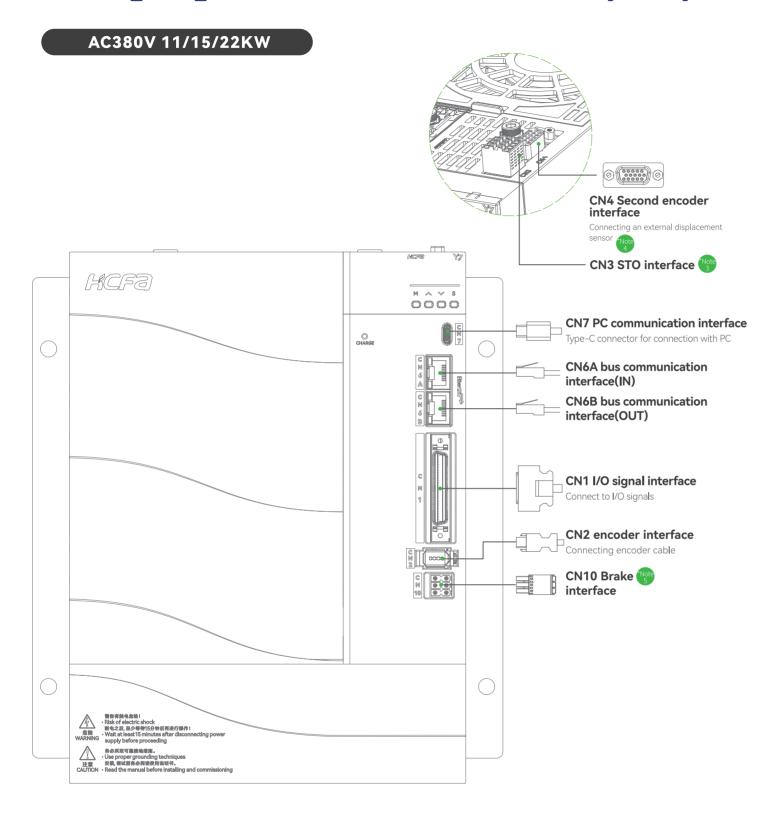


Installation Precautions

- 1. When installing the servo driver, do not seal its suction and discharge holes or place it upside down, otherwise it will cause malfunction.
- 2. In order to get a relatively low air resistance for the cooling fan to effectively dissipate heat, please follow the recommended installation space distance when installing more than one servo drive.
- 3. Please avoid being installed on the other servo drives, because the heat generated by the lower servo drive rises during operation, easily causing unnecessary temperature increase.
- 4. Do not install heat source components such as braking resistors near the servo drive.
- 5. When the electric cabinet environment is in a high humidity environment, install a dehumidification device to avoid condensation.

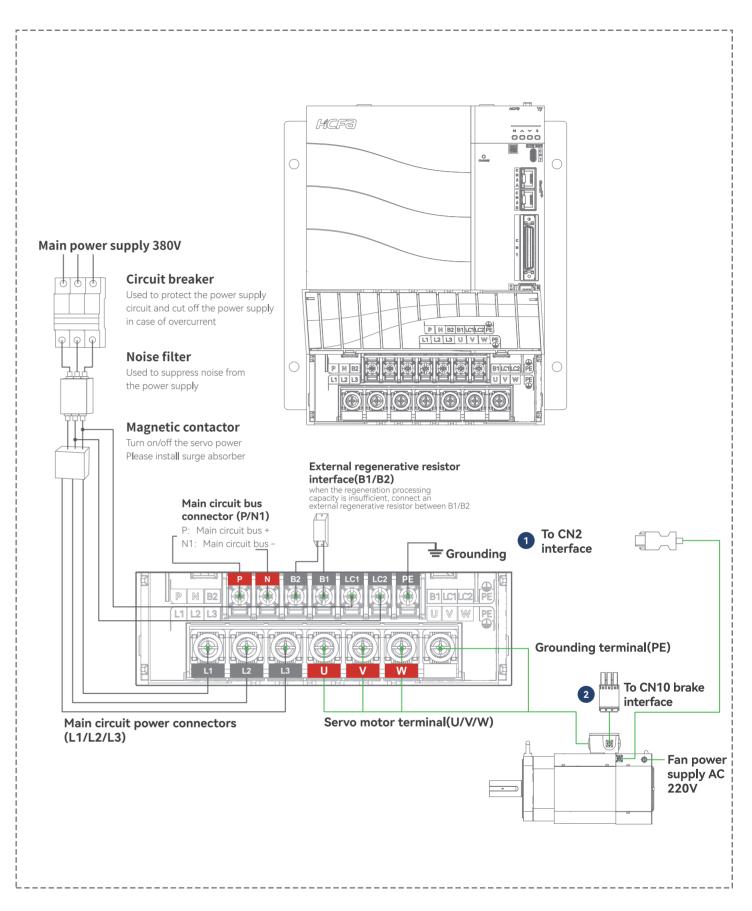






*Note: 10 10 indicates the corresponding installation position. The interface differences between models and other precautions please refer to page 15 for specific instructions

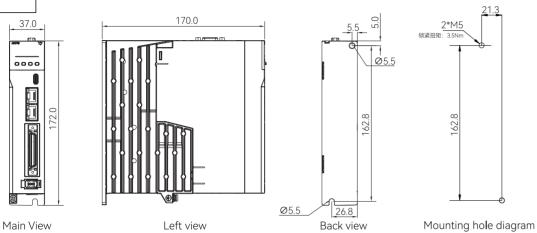
21



For 220V models of 400W

Unit: mm

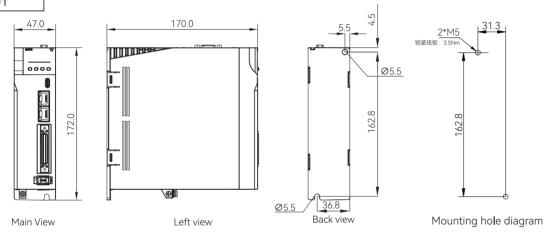
Weight (KG) 0.76



For 220V models of 750W/1KW

Unit: mm

Weight (KG) 1.01

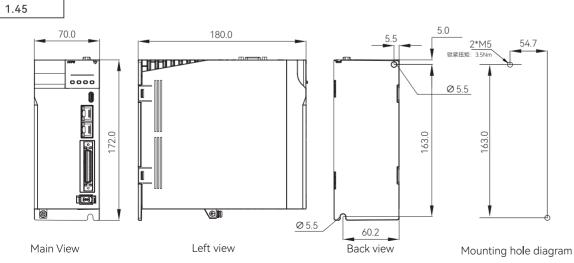




For 220V models of 1.5KW/2KW

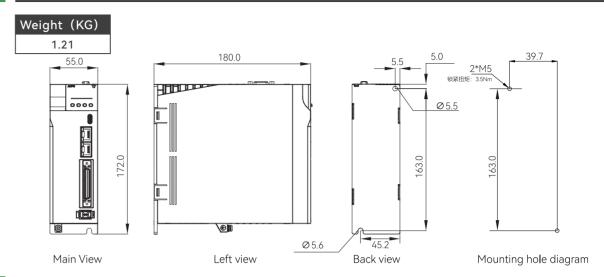
Unit: mm

Weight (KG)



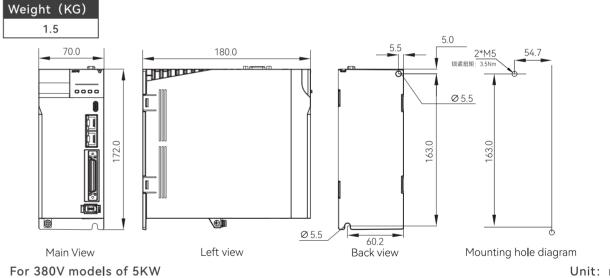
For 380V models of 1KW/1.5KW

Unit: mm



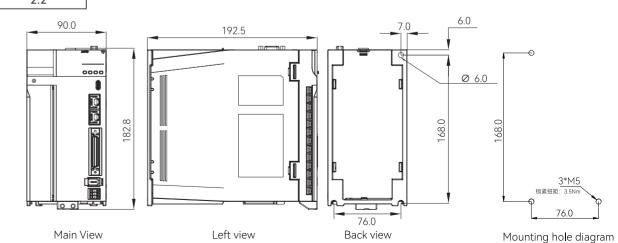
For 380V models of 2KW/3KW

Unit: mm



Unit: mm

Weight (KG) 2.2



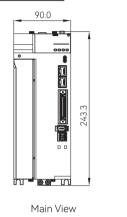


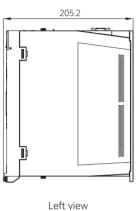


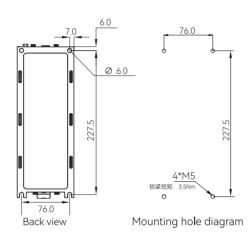
For 380V models of 6KW/7.5KW

Unit: mm

Weight (KG) 3.6



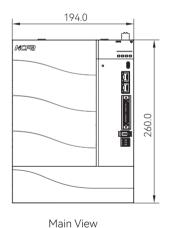


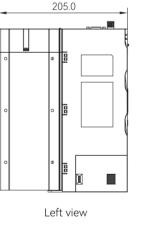


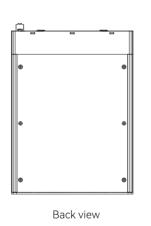
For 380V models of 11KW/15KW/22KW

Unit: mm

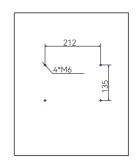
Weight (KG) 8.77







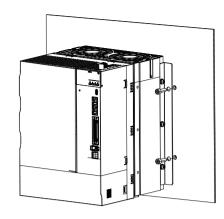
Base-mounted





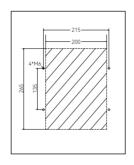


Take out the mounting bracket and six M5*12 screws from the package, fix the mounting bracket on both sides of the drive with screws, as shown in the figure

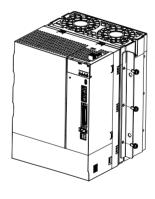


Step3 Use M6 socket head cap screws to fix the drive to the back panel of the cabinet and ensure that it is secure with recommended locking torque of 3N-m

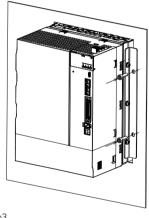
Rack-mounted



Make four M6 threaded holes in the back panel of the electrical cabinet and remove the shaded area with the specific dimensions shown in the figure



Take out the mounting bracket and six M5*12 screws from the package, fix the mounting bracket on both sides of the drive with screws, as shown in the figure



Push the drive into the hole, and use M6 socket head cap screws to fix the drive to the back panel of the cabinet and ensure that it is secure with recommended locking torque of 3N-m

26

Precautions

- 1. When installing the servo driver, do not seal its suction and discharge holes or place it upside down, otherwise it will cause malfunction.
- 2. In order to get a relatively low air resistance for the cooling fan to effectively dissipate heat, please follow the recommended installation space distance when installing more than one servo drive.
- unnecessary temperature increase.
- 4. Do not install heat source components such as braking resistors near the servo drive.
- 5. When the electric cabinet environment is in a high humidity environment, install a dehumidification device to avoid condensation.
- 6. Please refer to page 20 for other precautions.

■ 3. Please avoid being installed on the other servo drives, because the heat generated by the lower servo drive rises during operation, easily causing

Series Servo Motor

AC220V **8** Major Series

43 Models

50W-2.3KW

0.16N.m-15N.m

Adopt 17/20bit Note1 high precision magnetic encoder

• With an x8 encoder resolution from 17bit to 20bit, now up to 1.04 million pulses per revolution, the higher positioning accuracy achieved.

Motor Electronic Label

The encoder stores motor specifications, parameters and other information, the drive will be automatically matched and plug-and-play

• Higher protection level, easily cope with a variety of harsh applications



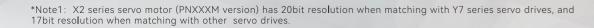
High precision



Anti-earthquake













$\frac{SV - X2}{_{1}} \quad \frac{MA}{_{2}} \quad \frac{040}{_{3}} \quad \frac{A}{_{4}} \quad - \quad \frac{N}{_{5}} \quad \frac{2}{_{6}} \quad \frac{C}{_{7}} \quad \frac{A}{_{8}} \quad - \quad \frac{****}{_{Special specifications}}$

1 s	Series name			
SV-X2series	20BIT(PNXXXM Version)			

2 Inertia	Inertia specifications			
MA	Low inertia			
MM	Middle inertia			
MMS	Middle inertia & high speed			
MH	High inertia			
МНН	Ultra high inertia			
MQ	Special flange/Flat-type/small flange			
MG	Low-speed & high-torque			
MGS	Low-cogging cutting			

3 Power specification				
005	50W			
010	100W			
015	150W			
020	200W			
040	400W			
075	750W			
080	800W			
085	850W			
100	1KW			
130	1.3KW			
150	1.5KW			
180	1.8KW			
200	2KW			
230	2.3KW			



4	Design number
A/B/C/S	A: Standard speed B/C/S Indicates a design sequence different from the standard speed
E/F	Indicates the design sequence of special flange specifications under the same index
H/K	Indicates the design sequence of special inertia

5 Brake	Brake specifications			
N	No brake			
В	With brake			

6	Voltage specifications			
	2	AC220V		

7 Sp	Specifications			
K	Lead wire type/Keyway shaft/no oil seal			
L	Lead wire type/Keyway shaft/with oil seal			
С	Connector type/keyway shaft/with oil seal*1			
D	Connector type/keyway shaft/ no oil seal*1			
J	Compact type(customized)			

8	Encoder specifications				
	Ν	Single-turn 20bit incremental (PNXXXM version)			
	Α	Multi-turn 20bit absolute (PNXXXM version)			
	С	Multi-turn 20bit absolute			

9	С	Customization	
	**	N/A	

Note *1: Note 1: From the 2nd quarter of 2021, our company started releasing connector-type servo motor with 40-80 flanges as the regular model.

Lead-wire servo motors will be discontinued from December 2021, if still needed, the customized application process is required.

For details, refer to page 123 or consult our sales staff.

*2: The PNXXXM version of the X2 series motor has 20-bit resolution for Y7 drives and 17-bit resolution for other series drives.

X2 Series Servo Motor

Series Name	Specifications	50W	100W	150W	200W	400W	600W	750W	900W	1.0KW	1.2KW	1.5	skw	1.8KW	2.0KW
	Model name		X2MA010A		X2MA020A	X2MA040A	X2MA060E	X2MA075A	X2MA090E	X2MA100A	X2MA120E	X2MA150A	X2MA150E	X2MA180E	X2MA200A
	Flange		□40		□60	□60	□110	□80	□110	□100	□110	□100	□110	□110	□100
V0 144	Rated [Peak torque]		0.32[1.12]		0.64[1.91]	1.27[3.82]	1.91[5.73]	2.39[7.16]	2.86[8.6]	3.185[9.55]	4[12]	4.77[14.3]	4.77[14.3]	5.73[17.2]	6.37[19.1]
X2-MA Low inertia	Inertia: No brake [with brake]		0.041[0.042]		0.16[0.17]	0.28[0.29]	3.1[4.2]	0.96[1.07]	4.5[5.6]	2.03[2.35]	5.9[7]	2.84[3.17]	7.3[8.4]	8.6[9.7]	3.68[4.01]
	Rotation speed: Rated [Max. speed]		3000[6500]		3000[6000]	3000[6000]	3000[5000]	3000[6000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]
	220V		20		20		20	20	20	20	20	20	20	20	20
	Model name									X2MM100A		X2MM150A			X2MM200A
	Flange									□130		□130			□130
X2-MM	Rated [Peak torque]									4.77[14.3]		7.16[21.5]			9.55[28.6]
Middle inertia	Inertia: No brake [with brake]									6.18[7.4]		9.16[10.4]			12.1[13.3]
illertia	Rotation speed: Rated [Max. speed]									2000[3000]		2000[3000]			2000[3000]
	220V									20		20			20
	Model name									X2MM100S		X2MM150S			X2MM200S
X2-MMS	Flange									□130		□130			□130
Middle	Rated [Peak torque]									4.77[14.3]		7.16[21.5]			9.55[28.6]
inertia high	Inertia: No brake [with brake]									9.16[10.4]		12.1[13.3]			16.85[18.05]
speed series	Rotation speed: Rated [Max. speed]									2000[5000]		2000[5000]			2000[5000]
	220V	\(\alpha\) \(\alpha\) \(\alpha\)	\(\alpha\) \(\lambda\) \(\lambda\)	V01410454	\/0\	\(\alpha\) \(\alpha\) \(\alpha\))/0\ / 075 A		20		<u>10</u>			20
	Model name	X2MH005A	X2MH010A	X2MH015A	X2MH020A	X2MH040A		X2MH075A		X2MH100A		X2MH150A			
	Flange	0.1/[0.5/]	□40 0.22[1.11]	□40 0 (77[1 (2]	□60 0 (([2,22]	□60		□80 2.20[0.27]		□130 (77[1(2]		□130			
	Rated [Peak torque]	0.16[0.56]	0.32[1.11]	0.477[1.43]	0.64[2.23]	1.27[4.46]		2.39[8.36]		4.77[14.3]		7.16[21.5]			
	Inertia: No brake [with brake]	0.038[0.042]	0.071[0.074]	0.13[0.133]	0.29[0.31]	0.56[0.58]		1.56[1.66]		30.8[32]		38.5[39.7]			
	Rotation speed: Rated [Max. speed]	3000[6500]	3000[6500]	3000[6000]	3000[6500]	3000[6500]		3000[6000]		2000[3000]		2000[3000]			
	220V	20	X2MH010H	20	X2MH020H	X2MH040H		X2MH075H		20		20			
	Model name Flange							□80							
	Rated [Peak torque]		0.32[1.11]		0.64[2.23]	1.27[4.46]		2.39[8.36]							
X2-MHH Ultra	Inertia: No brake [with brake]		0.092[0.095]		0.47[0.49]	0.73[0.75]		3.15[3.2]							
high inertia			3000[6500]		3000[6500]	3000[6500]		3000[6000]							
	220V		3000[0300]		3000[0300]	3000[0300]		3000[0000]							
	Model name		X2MQ010A		X2MQ020A	X2MQ040A		9		X2MQ100E					
	Flange				□80	\(\text{\sqrt{2040}} \) \(\text{\sqrt{80}} \)				□80					
X2-MQ	Rated [Peak torque]		0.32[0.96]		0.637[1.91]	1.27[3.82]				3.185[11.13]					
Special flange	Inertia: No brake [with brake]		0.14[0.16]		0.47[0.5]	0.87[0.9]				2[2.1]					
Flat-type/	Rotation speed: Rated [Max. speed]		3000[6500]		3000[6500]	3000[6500]				3000[6000]					
small flange	220V		2000[0000]	_	20	20	_			20	_				
	2201			1											
Series Name	Specifications	750W	1KW	850W	1.3KW	1.8KW	2.3KW								
Traine	Model name	X2MG075A	X2MG100A	X2MG085A	X2MG130A	X2MG180A	X2MG230A								
	Flange	□80	□130	□130	□130	□130	□130								
X2-MG	Rated [Peak torque]	4.77[14.3]	9.55[28.6]	5.41[16.2]	8.28[24.84]	11.5[34.5]	15[33]								
Low-speed &	Inertia: No brake [with brake]	2.88[3]	12.1[13.3]	14[15.2]	20.2[21.4]	26[27.2]	12.7[14.2]								
	Rotation speed: Rated [Max. speed]	1500[2000]	1000[1500]	1500[3000]	1500[3000]	1500[3000]	1500[2000]								
3	220V	20	20	20	20	20	20								
	Model name			X2MG085S	X2MG130S	X2MG180S									
	Flange			□130	□130	□130									
X2-MGS Low-	Rated [Peak torque]			5.39[16.2]	8.28[24.84]	11.5[34.5]									
	Inertia: No brake [with brake]			13.9[16]	19.9[22]	26[28.1]									
cutting	Rotation speed: Rated [Max. speed]			1500[4000]	1500[4000]	1500[4000]									
series	220V			20	20	20									

Note 28 20 28 Indicates the encoder bits; The color indicates the voltage specification, orange: 220V, blue: 380V.

^{*2:} X:2 series servo motor (Version:PNXXXM) is 20bit resolution when matching with Y7 series servo drive, and it is 17bit resolution when matching with other servo drives.

Unit(mm)

Servo Motor Specifications w 200 w 400 w 600 w





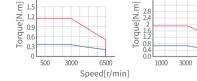




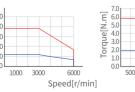
			_							
Item	าร	Unit	X2MA010A	X2MA020A	X2MA040A	X2MA060E	X2MA075A	X2MA090E		
Rated power		W	100	200	400	600	750	900		
Rated voltage		V	220	220	220	220	220	220		
Fitting flange	Fitting flange size		40	60	60	110	80	110		
Rated torque		N.m	0.32	0.64	1.27	1.91	2.39	2.86		
Instantaneous	max. torque	N.m	1.12	1.91	3.82	5.73	7.16	8.6		
Rated speed		r/min	3000	3000	3000	3000	3000	3000		
		r/min	6500	6000	6000	5000	6000	5000		
Max. speed		Note	*1	*1	*1		*1			
		*1: The above data is only the theoretical performance of the motor design, so the motor performance may vary according to the different series of servo drives								
Rated current		Arms	1.2	1.7	2.7	3	4.2	4.5		
Instantaneous r	max. current	Arms	4.6	6.5	10.2	9	17.4	13.5		
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.041	0.16	0.28	3.1	0.96	4.5		
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.042	0.17	0.29	4.2	1.07	5.6		
Torque consta		N.m/A	0.265	0.427	0.488	0.63	0.583	0.63		
Induced voltag	e constant	mV[r/min]	10.05	14.5	17.9	24.48	21.33	24.52		
Rated	No brake	KW/S	29.1	25.6	57.6	11.3	59.5	17.1		
power rate	With brake	KW/S	27.5	24.1	55.6	10.6	53.4	16.4		
Mechanical	No brake	ms	1.12	0.775	0.561	1.77	0.463	1.98		
time constant	With brake	ms	1.28	0.824	0.581	1.87	0.516	2.07		
Electrical time	constant	ms	0.97	6.3	6.1	7.8	12.7	6.78		
Phase q-axis/d-a	xis inductance	mH	8.75/8.04	19/5.6	10.7/7.5	6.35/4.49	7.6/4.9	4.2/2.94		
Weight: No brake	e[with brake]	kg	0.44	0.9 [1.3]	1.28 [1.67]	3.1 [4.4]	2.25 [3.01]	3.7 [5]		
B	Radial load	N	68	245	245	392	392	392		
Permissible load	Axial load	N	58	98	98	147	147	147		
	Rated voltage	V			DC24	4V±10%				
	Rated current	А	0.25	0.36	0.36	0.81	0.42	0.81		
Brake	Brake power	W	7	7.3	7.3	19.5	9.6	19.5		
specifications	Static friction torque	N.m	0.38 or more	1.6 or more	1.6 or more	12 or more	3.8 or more	12 or more		
Note: Holding brake	Suction time	ms	35 or less	50 or less	50 or less	100 or less	70 or less	100 or less		
	Release time	ms	20 or less	20 or less	20 or less	60 or less	20 or less	60 or less		
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more	DC1.5V or more	DC1V or more	DC1.5V or more		

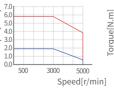
Torque characteristics

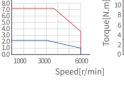
 Instantaneous operation range

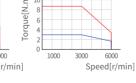












External Dimensions for Servo Motor

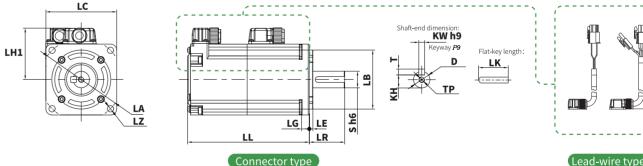
Models X2MA010A X2MA020A X2MA040A X2MA060E X2MA075A X2MA090E LC 40 60 60 110 80 110 LA φ70 φ70 ф130 ф90 ф46 ф130 LB ф30 φ50h7 ф50 φ95h7 ф70 φ95h7 LZ 2**-**φ4.3 4-φ5.4 4-φ5.4 4-ф9 4-φ6.5 4-ф9 LR 25 30 30 55 35 55 φ8 h6 φ14 h6 φ14 h6 φ19 h6 φ19 h6 φ19 h6 76.7 [107.1] 105 [138.5] 118 [146] LL no brake [with brake] 73.5 [103] 93.2 [122.7] 108 [135] 81[108] 91.5[118.5] LN no brake [with brake] LG 5 6.5 6.5 12 8 12 5 5 3 3 3 3 96[123.2] 106.5 [133.7] LM1 no brake [with brake] LM2 no brake [with brake [90] [100.5] 47 57 LH1 44.5 44.5 102 54.5 102 34.5 LH2 _ _ 71.4 71.4 55 LH3 55 42 14 25 25 42 5 5 3 6 KW 3 h9 5 h9 5 h9 6 h9 6 h9 6 h9 KH 6.2 11 11 15.5 15.5 15.5 M3 Depth 6 M5 Depth 12 M5 Depth 12 M5 Depth 12 M5 Depth 10 M5 Depth 12 H type cable length for lead-wire type

210

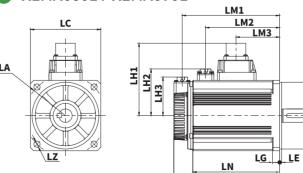
X2MA010A / X2MA020A / X2MA040A / X2MA060E / X2MA075A / X2MA090E

210

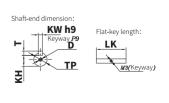
210



▼ X2MA060E / X2MA090E



Note 2: For X2 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.



H type cable length for lead-wire type

Servo Motor Specifications 1 1.2 1.5 KW 1.5 KW





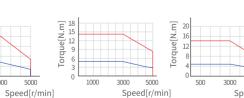
1.8	2
1.0	L/M/
KW	KW

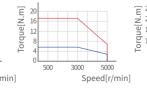
Item	ıs	Unit	X2MA100A	X2MA120E	X2MA150A	X2MA150E	X2MA180E	X2MA200A
Rated power		W	1000	1200	1500	1500	1800	2000
Rated voltage		V	220	220	220	220	220	220
Fitting flange size		mm	100	110	100	110	110	100
Rated torque		N.m	3.18	4	4.77	4.77	5.73	6.37
Instantaneous	max. torque	N.m	9.55	12	14.3	14.3	17.2	19.1
Rated speed		r/min	3000	3000	3000	3000	3000	3000
		r/min	5000	5000	5000	5000	5000	5000
Max. speed								
Rated current		Arms	6.6	6	8.2	7.6	9.5	11.3
Instantaneous r	nax. current	Arms	28	18	35	24	29	48
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	2.03	5.9	2.84	7.3	8.6	3.68
	With brake	x10 ⁻⁴ Kg.m ²	2.35	7	3.17	8.4	9.7	4.01
Torque consta		N.m/A	0.52	0.63	0.628	0.63	0.63	0.607
Induced voltag per phase	e constant	mV[r/min]	18.15	23.55	21.92	23.2	24	21.247
Rated	No brake	KW/S	49.82	23.1	80.12	28	34.7	110.26
power rate	With brake	KW/S	43.03	22.1	71.775	27.3	34	101.19
Mechanical	No brake	ms	0.619	1.5	0.507	1.47	1.38	0.425
time constant	With brake	ms	0.717	1.57	0.566	1.51	1.4	0.463
Electrical time	constant	ms	7.22	8.86	8.08	9.35	9.54	9.37
Phase q-axis/d-ax	is inductance	mH	_	3.13 [2.18]	_	2.52/1.75	1.86/1.29	_
Weight: No brake	[with brake]	kg	3.5 [4.5]	4.3 [5.6]	4.4 [5.4]	4.95 [6.25]	5.4 [6.7]	5.3 [6.3]
Damaiasible land	Radial load	N	392	392	392	392	392	392
Permissible load	Axial load	N	147	147	147	147	147	147
	Rated voltage	V			DC24	V±10%		
	Rated current	А	0.81±10%	0.81±10%	0.81±10%	0.81	0.81	0.81±10%
Brake	Brake power	W	19.5	19.5	19.5	19.5	19.5	19.5
	Static friction torque	N.m	7.8 or more	12 or more	7.8 or more	12 or more	12 or more	7.8 or more
Note: Holding brake		ms	50 or less	100 or less	50 or less	100 or less	100 or less	50 or less
	Release time	ms	15 or less	60 or less	15 or less	60 or less	60 or less	15 or less
	Release voltage	V	DC1V or more	DC1.5V or more	DC1V or more	DC1.5V or more	DC1.5V or more	DC1V or more

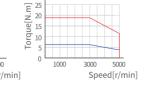
Torque characteristics









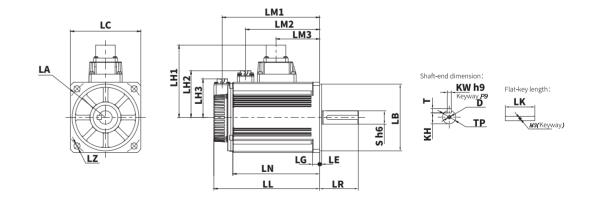


Speed[r/min]

External Dimensions for Servo Motor

X2MA100A	X2MA120E	X2MA150A	X2MA150E	X2MA180E	X2MA200A
100	110	100	110	110	100
ф115	ф130	ф115	ф130	ф130	ф115
φ95h7	φ95h7	ф95	φ95h7	φ95h7	φ95h7
4-ф9	4-ф9	4-ф9	4-ф9	4-ф9	4-ф9
55	55	55	55	55	55
φ19 h6	φ19 h6	φ19 h6	φ19 h6	φ19 h6	φ19 h6
123.5 [150.5]	129.5 [157]	142 [169]	140 [167]	150.5 [178]	161 [188]
96.5[123.5]	102.5[129.5]	115[142]	113[140]	123.5[150.5]	134[161]
10	12	10	12	12	10
3	5	3	5	5	3
111.5[138.5]	117.5 [144.5]	130[157]	128 [155]	138.5 [165.5]	149 [176]
[105]	[111.5]	[123.5]	[122]	[132.5]	[142.5]
62	68	80.5	78.5	89	99.5
103	102	103	102	102	103
66	71.4	66.5	71.4	71.5	66.5
55	55	55	55	55	55
42	42	42	42	42	42
6	6	6	6	6	6
6 h9	6 h9	5 h9	6 h9	6 h9	6 h9
15.5	15.5	15.5	15.5	15.5	15.5
	100 \$\phi 115\$ \$\phi 95h7\$ 4-\$\phi 9\$ 55 \$\phi 19 \text{ h6}\$ 123.5 [150.5] 96.5[123.5] 10 3 111.5[138.5] [105] 62 103 66 55 42 6 6 \text{ h9}	100 110	100 110 100 φ115 φ130 φ115 φ95h7 φ95h7 φ95 4-φ9 4-φ9 4-φ9 55 55 55 φ19 h6 φ19 h6 φ19 h6 123.5 [150.5] 129.5 [157] 142 [169] 96.5[123.5] 102.5[129.5] 115[142] 10 12 10 3 5 3 111.5[138.5] 117.5 [144.5] 130[157] [105] [111.5] [123.5] 62 68 80.5 103 102 103 66 71.4 66.5 55 55 55 42 42 42 42 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	100 110 100 110 φ115 φ130 φ115 φ130 φ95h7 φ95h7 φ95 φ95h7 4-φ9 4-φ9 4-φ9 4-φ9 55 55 55 55 φ19 h6 φ19 h6 φ19 h6 φ19 h6 123.5 [150.5] 129.5 [157] 142 [169] 140 [167] 96.5 [123.5] 102.5 [129.5] 115 [142] 113 [140] 10 12 10 12 3 5 3 5 111.5 [138.5] 117.5 [144.5] 130 [157] 128 [155] [105] [111.5] [123.5] [122] 62 68 80.5 78.5 103 102 103 102 66 71.4 66.5 71.4 55 55 55 55 42 42 42 42 6 6 6 6 6 h9 6 h9 5 h9 6 h9	100 110 100 110 110 φ115 φ130 φ115 φ130 φ130 φ95h7 φ95h7 φ95h7 φ95h7 φ95h7 4-φ9 4-φ9 4-φ9 4-φ9 4-φ9 55 55 55 55 55 φ19 h6 φ19 h6 φ19 h6 φ19 h6 φ19 h6 123.5 [150.5] 129.5 [157] 142 [169] 140 [167] 150.5 [178] 96.5 [123.5] 102.5 [129.5] 115 [142] 113 [140] 123.5 [150.5] 10 12 10 12 12 3 5 3 5 5 111.5 [138.5] 117.5 [144.5] 130 [157] 128 [155] 138.5 [165.5] [105] [111.5] [123.5] [122] [132.5] 62 68 80.5 78.5 89 103 102 103 102 102 66 71.4 66.5 71.4 71.5 55 55 55 55 42 42 42 42

X2MA100A / X2MA120E / X2MA150A / X2MA150E / X2MA180E / X2MA200A



Servo Motor Specifications LKW LKW LKW





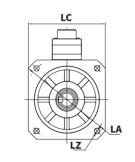
Iten	ns	Unit	X2MM100A	X2MM150A	X2MM200A
Rated power		W	1000	1500	2000
Rated voltage		V	220	220	220
Fitting flange size		mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous	max. torque	N.m	14.3	21.5	28.6
Rated speed		r/min	2000	2000	2000
		r/min	3000	3000	3000
Max. speed					
Rated current		Arms	5.2	8	9.9
Instantaneous	max. current	Arms	15.6	24	30
Moment of	No brake	x10 ⁻⁴ Kg.m ²	6.18	9.16	12.1
inertia	With brake	x10 ⁻⁴ Kg.m ²	7.4	10.4	13.3
Torque consta	nt	N.m/A	0.918	0.895	0.9645
Induced voltag	e constant	mV[r/min]	33.65	34.84	37.95
Rated	No brake	KW/S	36.8	56	75.4
power rate	With brake	KW/S	30.7	49.3	68.6
Mechanical	No brake	ms	1.51	1.16	1.05
time constant	With brake	ms	1.81	1.3	1.16
Electrical time	constant	ms	11.1	14.6	15.38
Phase q-axis/d-a	xis inductance	mH	8.4/4.3	5.8/2.9	4.9/2.6
Weight: No brake	e[with brake]	kg	4.67	5.87[7.47]	6.98[8.58]
Permissible load	Radial load	N	490	490	490
Permissible toad	Axial load	N	196	196	196
	Rated voltage	V		DC24V±10%	
	Rated current	А	0.9	0.9	0.9
Brake	Brake power	w	22	22	22
specifications	Static friction torque	N.m	14 or more	14 or more	14 or more
Note: Holding brake		ms	100 or less	100 or less	100 or less
	Release time	ms	60 or less	60 or less	60 or less
	Release voltage	V		DC1V or more	

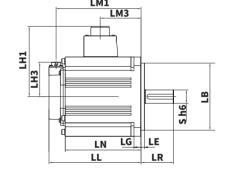
External Dimensions for Servo Motor

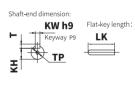
Unit(mm)

Models	X2MM100A-□2L□(Aviation connector)	X2MM150A-□2L□(Aviation connector)	X2MM200A-□2L□(Aviation connector)
LC	130	130	130
LA	ф145	ф145	ф145
LB	ф110	ф110	ф110
LZ	4-ф9	4-ф9	4-ф9
LR	55	55	55
S	ф22 h6	ф22 h6	ф22 h6
LL no brake [with brake]	107.5 [127.5]	121.5[141.5]	135.5 [155.5]
LN no brake [with brake]	80[100]	94[114]	108[128]
LG	12	12	12
LE	6	6	66
LH1	115	115	115
LH3	56.5	56.5	56.5
LM1 no brake [with brake]	95.5[115.5]	109.5[129.5]	123.5[143.5]
LM3	41	55	69
LK	45	45	45
Т	7	7	7
KW	8 h9	8 h9	8 h9
KH	18	18	18
TP	M6 Depth 20	M6 Depth 20	M6 Depth 20

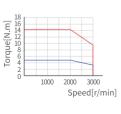
X2MM100A / X2MM150A / X2MM200A[Aviation connector]

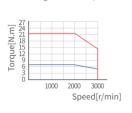


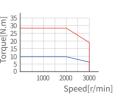




Torque characteristics







X2MM100A▲

8 h9

18

M6 Depth 20

Unit(mm)

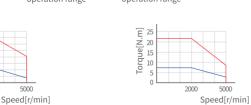
Servo Motor Specifications KW LS KW KW KW





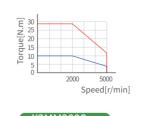
Item	ns	Unit	X2MM100S	X2MM150S	X2MM200S
Rated power		W	1000	1500	2000
Rated voltage		V	220	220	220
Fitting flange s	size	mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous max. torque		N.m	14.31	21.5	28.6
Rated speed	Rated speed		2000	2000	2000
		r/min	5000	5000	5000
Max. speed					
Rated current		Arms	8.25	9.5	15
Instantaneous r	max. current	Arms	25	29	50
Moment of	No brake	x10 ⁻⁴ Kg.m ²	9.16	12.1	16.85
	With brake	x10 ⁻⁴ Kg.m ²	10.4	13.3	18.05
Torque consta		N.m/A	0.573	0.672	0.627
Induced voltag per phase	e constant	mV[r/min]	21.2	25.9	23
Rated	No brake	KW/S	24.84	42.37	54.13
power rate	With brake	KW/S	21.88	38.55	50.53
Mechanical	No brake	ms	1.24	1.08	0.93
time constant	With brake	ms	1.41	1.18	1
Electrical time	constant	ms	13.3	16.13	13.75
Phase q-axis/d-ax	kis inductance	mH	2.2/1.1	2.5/1.3	1.1/0.6
Weight: No brake	[with brake]	kg	5.87 [7.47]	6.98[8.58]	6.91[10.1]
Permissible load	Radial load	N	490	490	490
Permissible toad	Axial load	N	196	196	196
	Rated voltage	V		DC24V±10%	
	Rated current	А	0.9	0.9	0.9
Brake	Brake power	w	22	22	22
specifications	Static friction torque	N.m	14 or more	14 or more	14 or more
Note: Holding brake		ms	100 or less	100 or less	100 or less
	Release time	ms	60 or less	60 or less	60 or less
	Release voltage	V		DC1V or more	

Torque characteristics



X2MM100S ▲

---- Instantaneous



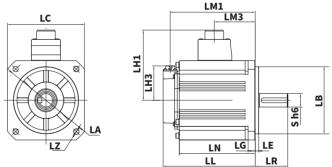
External Dimensions for Servo Motor

Models X2MM100S X2MM150S X2MM200S LC 130 130 130 LA φ145 φ145 φ145 LB ф110 ф110 ф110 LZ 4-ф9 4-ф9 4-ф9 55 55 55 φ22 h6 φ22 h6 φ22 h6 121.5 [141.5] 135.5 [155.5] 163.5 [183.5] LL no brake [with brake] 136 [156] LN no brake [with brake] 94 [114] 108 [128] 12 12 12 6 6 6 LM1 no brake [with brake] 109.5 [129.5] 123.5 [143.5] 151.5 [171.5] LM3 55 69 97 115 115 115 LH3 56.5 56.5 56.5 45 45 45

X2MM100S / X2MM150S / X2MM200S

KW KH

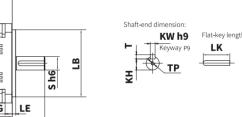
H type cable length for lead-wire type



8 h9

18

M6 Depth 20



8 h9

18

M6 Depth 20

Servo Motor Specifications w



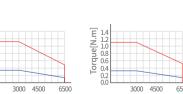


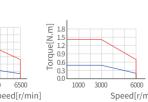


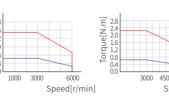
400	750
N	W

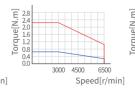
Items		Unit	X2MH005A	X2MH010A	X2MH015A	X2MH020A	X2MH040A	X2MH075A			
Rated power		W	50	100	150	200	400	750			
Rated voltage		V	220	220	220	220	220	220			
Fitting flange s	ize	mm	40	40	40	60	60	80			
Rated torque		N.m	0.16	0.32	0.477	0.64	1.27	2.39			
Instantaneous	max. torque	N.m	0.56	1.11	1.43	2.23	4.46	8.36			
Rated speed		r/min	3000	3000	3000	3000	3000	3000			
		r/min	6500	6500	6000	6500	6500	6000			
Max. speed		Note				*1	*1	*1			
		*1: The above data is only the theoretical performance of the motor design, so the motor performance may vary according to the different series of servo drives									
Rated current		Arms	1.1	1.1	1.5	1.4	2.1	3.8			
Instantaneous r	nax. current	Arms	3.89	3.89	4.5	4.87	7.36	13.3			
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.038	0.071	0.13	0.29	0.56	1.56			
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.042	0.074	0.133	0.31	0.58	1.66			
Torque consta		N.m/A	0.168	0.327	0.33	0.5	0.67	0.648			
Induced voltage per phase	e constant	mV[r/min]	5	11.1	13.66	14.61	20.85	22.65			
Rated	No brake	KW/S	6.7	14.4	17.5	14.1	28.8	36.6			
power rate	With brake	KW/S	6.1	13.8	17.1	13.2	27.8	34.4			
Mechanical	No brake	ms	2.6	1.67	1.9	1.57	1.24	0.97			
time constant	With brake	ms	2.85	1.74	1.94	1.68	1.29	1.03			
Electrical time	constant	ms	0.89	1.1	1.22	2.58	2.97	6.59			
Phase q-axis/d-ax	is inductance	mH	5.1/3.4	9.4/6.3	7.2/4.8	10.2/5.8	9.2/6.5	6/3.3			
Weight: No brake	[with brake]	kg	0.33[0.55]	0.45 [0.66]	0.6 [0.81]	0.87 [1.27]	1.22[1.61]	2.25 [3.01]			
Permissible load	Radial load	N	68	68	68	245	245	392			
T ciriissiste todd	Axial load	N	58	58	58	98	98	147			
	Rated voltage	V			DC24	V±10%					
	Rated current	А	0.25	0.25	0.375	0.36	0.36	0.42			
Brake	Brake power	W	6	6	9	9	9	10			
specifications	Static friction torque	N.m	0.38 or more	0.38 or more	0.58 or more	1.6 or more	1.6 or more	3.8 or more			
Note: Holding brake	Suction time	ms	35 or less	35 or less	50 or less	50 or less	50 or less	70 or less			
	Release time	ms	20 or less	20 or less	20 or less	20 or less	20 or less	20 or less			
	Release voltage	V			DC1V	or more					

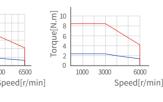
Torque characteristics









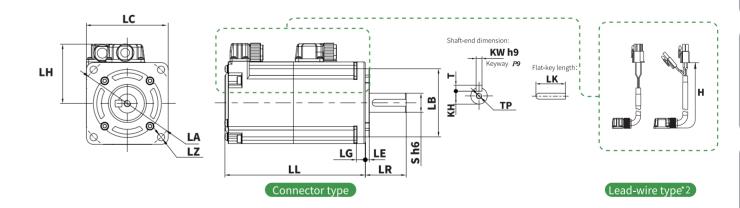


External Dimensions for Servo Motor

Unit(mm)

Models	X2MH005A	X2MH010A	X2MH015A	X2MH020A	X2MH040A	X2MH075A
LC	40	40	40	60	60	80
LA	ф46	ф46	ф46	ф70	ф70	ф90
LB	ф30	ф30	ф30	ф50	ф50	ф70
LZ	2-ф4.3	2-ф4.3	2-ф4.3	4-φ5.4	4-φ5.4	4-ф6.5
LR	25	25	25	30	30	35
S	ф8 h6	ф8 h6	ф8 h6	ф14 h6	ф14 h6	φ19 h6
LL no brake [with brake]	57 [91]	71 [105]	93.8[127.8]	70.5[100]	87.5 [117]	94.5[128.5]
LG	5	5	5	6.5	6.5	8
LE	3	3	3	3	3	3
LH	35	35	35	44.5	44.5	54.5
LK	14	14	14	25	25	25
Т	3	3	3	5	5	6
KW	3 h9	3 h9	3 h9	5 h9	5 h9	6 h9
KH	6.2	6.2	6.2	11	11	15.5
TP	M3 Depth 6	M3 Depth 6	M3 Depth 6	M5 Depth 12	M5 Depth 12	M5 Depth 12
H type cable length for lead-wire type	210	210	210	210	210	210

X2MH005A / X2MH010A / X2MH015A/X2MH20A/X2MH040A/X2MH075A

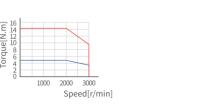


Note 2: For X2 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

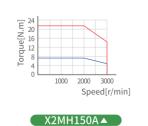
//	Servo	Motor	Specif	ications	1 KW	1.5 KW

Items		Unit	X2MH100A	X2MH150A
Rated power		W	1000	1500
Rated voltage		V	220	220
Fitting flange s	ize	mm	130	130
Rated torque		N.m	4.77	7.16
Instantaneous	max. torque	N.m	14.3	21.5
Rated speed		r/min	2000	2000
		r/min	3000	3000
Max. speed				
Rated current		Arms	5.2	8
Instantaneous n	nax current	Arms	15.6	24
Moment of	No brake	x10 ⁻⁴ Kg.m ²	30.8	38.5
inertia	With brake	0	32	39.7
Torque consta		N.m/A	0.918	0.895
Induced voltage per phase	e constant	mV[r/min]	33.65	34.84
Rated	No brake	KW/S	7.39	13.3
power rate	With brake	KW/S	7.11	12.9
Mechanical	No brake	ms	7.54	4.9
time constant	With brake	ms	7.84	5.05
Electrical time	constant	ms	11.1	14.63
Phase q-axis/d-ax	is inductance	mH	8.4/4.3	5.8/2.9
Weight: No brake	[with brake]	kg	6.4 [8]	7.8[9.4]
Daniel and Internal	Radial load	N	490	490
Permissible load	Axial load	N	196	196
Rated voltag		V	DC24	4V±10%
	Rated current	А	0.9	0.9
Brake specifications	Brake power	W	22	22
	Static friction torque	N.m	14 or more	14 or more
Note: Holding brake	Suction time	ms	100 or less	100 or less
	Release time	ms	60 or less	60 or less
	Release voltage	V	DC1V	or more

Torque characteristics





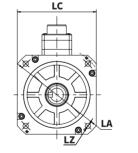


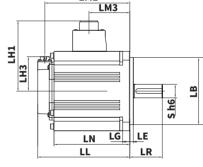
External Dimensions for Servo Motor

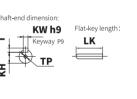
Unit(mm)

Models	X2MH100A- \square 2L \square (Aviation connector)	X2MH150A-□2L□(Aviation connector)		
LC	130	130		
LA	ф145	φ145		
LB	ф110	ф110		
LZ	4-ф9	4-ф9		
LR	55	55		
S	φ22 h6	φ22 h6		
LL no brake [with brake]	135.5[155.5]	149.5 [169.5]		
LN no brake [with brake]	108[128]	122[142]		
LG	12	12		
LE	6	6		
LH1	115	115		
LH3	56.5	56.5		
LM1 no brake [with brake]	123.5 [143.5]	137.5 [157.5]		
LM3	69	83		
LK	45	45		
Т	7	7		
KW	8 h9	8 h9		
KH	18	18		
TP	M6 Depth 20	M6 Depth 20		

X2MH100A/X2MH150A[Aviation connector]







Servo Motor Specifications w 2000 W 400 W



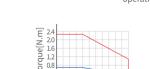


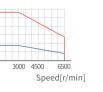
ח	750	
	W	

Item	าร	Unit	X2MH010H	X2MH020H	X2MH040H	X2MH075H		
Rated power		W	100	200	400	750		
Rated voltage		V	220	220	220	220		
Fitting flange	size	mm	40	60	60	80		
Rated torque		N.m	0.32	0.64	1.27	2.39		
Instantaneous	max. torque	N.m	1.11	2.23	4.45	8.36		
Rated speed		r/min	3000	3000	3000	3000		
		r/min	6500	6500	6500	6000		
Max. speed		Note		*1	*1	*1		
		*1: The above da	ata is only the theoretical performar	nce of the motor design, so the moto	or performance may vary according t	to the different series of servo drives		
Rated current		Arms	0.92	1.4	2.4	3.8		
Instantaneous r	max. current	Arms	3.6	4.87	8.2	18.8		
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.092	0.47	0.73	3.15		
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.095	0.49	0.75	3.2		
Torque consta		N.m/A	0.347	0.5	0.531	0.648		
Induced voltag	e constant	mV[r/min]	13.3	14.61	20.4	22.65		
Rated	No brake	KW/S	11.13	8.71	22.09	18.1		
power rate	With brake	KW/S	10.78	8.36	21.5	17.85		
Mechanical	No brake	ms	2.23	2.54	1.15	1.95		
time constant	With brake	ms	2.3	2.65	1.18	1.98		
Electrical time	constant	ms	0.986	2.58	4.1	6.59		
Phase q-axis/d-ax	xis inductance	mH	11.9/8	10.2/5.8	6.9/4.3	6/3.3		
Weight: No brake	[with brake]	kg	0.44[0.65]	0.95 [1.29]	1.45 [1.85]	2.65 [3.13]		
Permissible load	Radial load	N	68	245	245	392		
Permissible toau	Axial load	N	58	98	98	147		
	Rated voltage	V		DC24	4V±10%			
	Rated current	А	0.25	0.36	0.36	0.42		
Brake	Brake power	W	6	9	9	10		
specifications	Static friction torque	N.m	0.38 or more	1.6 or more	1.6 or more	3.8 or more		
Note: Holding brake	Suction time	ms	35 or less	50 or less	50 or less	70 or less		
	Release time	ms	20 or less	20 or less	20 or less	20 or less		
	Release voltage	V	DC1V or more					

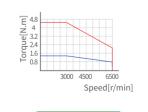
/// Torque characteristics

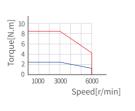
Speed[r/min]





Instantaneous



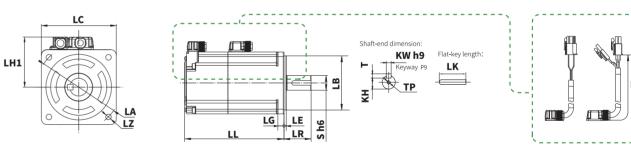


External Dimensions for Servo Motor

Unit(mm)

Models	X2MH010H	X2MH020H(lead-wire types)	X2MH040H	X2MH075H(lead-wire types)
LC	40	60	60	80
LA	ф46	ф70	ф70	ф90
LB	ф30	ф50	ф50	ф70
LZ	2-ф4.3	4-ф5.5	4-ф5.5	4-ф6.6
LR	25	30	30	35
S	φ8 h6	φ14 h6	φ14 h6	ф19 h6
LL no brake [with brake]	76.7 [110.7]	82.4 [111.9]	98.5 [128]	122 [167.1]
LG	5	6.5	6.5	8
LE	3	3	3	3
LH1	35	43.5	44.5	53.5
LK	14	25	25	25
Т	3	5	5	6
KW	3 h9	5 h9	5 h9	6 h9
KH	6.2	11	11	15.5
TP	M3 Depth 6	M5 Depth 12	M5 Depth 12	M5 Depth 12
H type cable length for lead-wire type	210	210	210	210

X2MH010H / X2MH020H / X2MH040H / X2MH075H



Note 2: For X2 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

Unit(mm)

15.5

M5 Depth 12

210

Servo Motor Specifications w 200 W 400 W





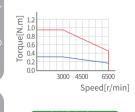
ח	1	
	KW	

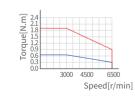
Item	s	Unit	X2MQ010A	MQ010A-□2K□	X2MQ020A	X2MQ040A	X2MQ100E
Rated power		W	100	100	200	400	1000
Rated voltage		V	220	220	220	220	220
Fitting flange s	ize	mm	60	60	80	80	80
Rated torque		N.m	0.32	0.32	0.637	1.27	3.185
Instantaneous	max. torque	N.m	0.96	0.96	1.91	3.82	11.13
Rated speed		r/min	3000	3000	3000	3000	3000
		r/min	6500	6500	6500	6500	6000
Max. speed		Note				*1	*1
		*1: The above da	ta is only the theoretical pe	erformance of the motor desig	n, so the motor performance	may vary according to the d	ifferent series of servo drives
Rated current		Arms	1.15	1.15	2	2.6	5.7
Instantaneous n	nax. current	Arms	3.45	3.45	6.4	8.4	21.2
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.14	0.14	0.47	0.87	2
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.16	0.16	0.5	0.9	2.1
Torque constar		N.m/A	0.28	0.28	0.318	0.488	0.552
Induced voltage	e constant	mV[r/min]	10.78	10.78	12.2	19.6	21.2
Rated	No brake	KW/S	6.99	6.99	8.63	18.5	50.7
power rate	With brake	KW/S	6.64	6.64	8.12	17.92	48.31
Mechanical	No brake	ms	2.3	2.3	2.51	1.51	0.85
time constant	With brake	ms	2.46	2.46	2.67	1.57	0.897
Electrical time	constant	ms	1.66	1.66	3.52	5.41	7.6
Phase q-axis/d-ax	is inductance	mH	13.63/11.09	13.63/11.09	7.3/3.9	9/4.9	3.8/2.6
Weight: No brake	[with brake]	kg	0.57 [0.81]	0.57 [0.81]	1.24 [1.74]	1.6 [2.1]	2.68 [3.45]
Dawasiasilala laad	Radial load	N	68	68	245	245	392
Permissible load	Axial load	N	58	58	98	98	147
	Rated voltage	V			DC24V±10%		
	Rated current	А	0.9	0.9	0.9	0.9	0.42
Brake	Brake power	w	22	22	22	22	10
specifications	Static friction torque	N.m	0.38-1.1	0.38-1.1	1.6 or more	1.6 or more	3.8 or more
Note: Holding brake		ms	60 or less	60 or less	60 or less	60 or less	70 or less
	Release time	ms	40 or less	40 or less	40 or less	40 or less	20 or less
	Release voltage	V		DC1.5V	or more		DC1V or more

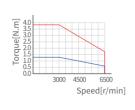
Torque characteristics

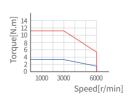












X2MQ100E ▲

External Dimensions for Servo Motor

Models X2MQ010A(Lead-wire type) MQ010A- X2K X2MQ020A(Lead-wire type) X2MQ040A(Lead-wire type) X2MQ100E LC LA φ70 φ70 ф90 ф90 ф90 LB ф50 ф50 ф70 φ70 ф70 LZ 4-φ6.5 4-φ5.4 4-φ5.4 4-φ6.5 4-φ6.5 LR 25 25 30 30 35 φ8 h6 φ8 h6 φ11 h6 φ14 h6 φ19 h6 LL 58.6[78.1] 107.1[76.7]±1 66 [90] 76.8 [100.8] 108 [141.5] LG 8 6.5 6.5 LE 3 3 3 21 21 _ 26 26 LP ф14 ф14 φ19.7 ф19.7 LH1 43.5 43.5 53.5 53.5 54.5 22 14 14 20 25 3 3 4 5 6 KW 3 h9 3 h9 4 h9 5 h9 6 h9

6.2

M3 Depth 6

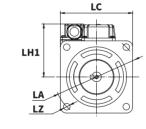
210

X2MQ010A / X2MQ020A / X2MQ040A / X2MQ100E

6.2

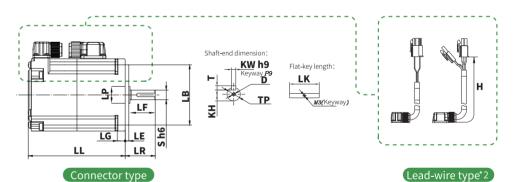
M3 Depth 6

210



KH

H type cable length for lead-wire type



8.5

M4 Depth 8

210

11

M5 Depth 12

210

Note 2: For X2 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department. *3: MQ010A- \square 2K \square , "K" indicates "Keyway shaft/no oil seal"

Unit(mm)

Servo Motor Specifications (750) (850) (1.3) (1.3)

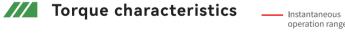




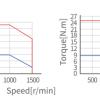


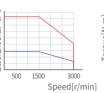
1.8	2.3
	104/
KW	KW

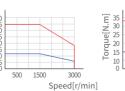
Item	ıs	Unit	X2MG075A	X2MG085A	X2MG100A	X2MG130A	X2MG180A	X2MG230A
Rated power		W	750	850	1000	1300	1800	2300
Rated voltage		V	220	220	220	220	220	220
Fitting flange s	ize	mm	80	130	130	130	130	130
Rated torque		N.m	4.77	5.41	9.55	8.28	11.5	15
Instantaneous	max. torque	N.m	14.3	16.2	28.6	24.84	34.5	33
Rated speed		r/min	1500	1500	1000	1500	1500	1500
		r/min	2000	3000	1500	3000	3000	2000
Max. speed								
Rated current		Arms	4.2	5.9	5.2	9.3	11.8	12
Instantaneous n	nax current	Arms	15	18	16	28	35.5	26.4
	No brake	x10 ⁻⁴ Kg.m ²	2.88	14	12.1	20.2	26	12.7
Moment of inertia	With brake	x10 ⁻⁴ Kg.m ²	3	15.2	13.3	21.4	27.2	14.2
Torque constai		N.m/A	1.135	0.918	1.83	0.895	0.964	1.27
Induced voltage		mV[r/min]	43.3	33.65	67.3	34.84	40.18	83.08
per phase Rated	No brake	KW/S	79	63.29	75.4	33.9	50.87	177
power rate	With brake	KW/S	75.84	58.26	68.6	32	48.6	158
Mechanical	No brake	ms	1.01	3.43	1.12	2.57	2.06	0.583
	With brake	ms	1.05	3.72	1.23	2.72	2.15	0.651
Electrical time		ms	5.1	11.1	9.65	14.63	15.99	9.58
Phase q-axis/d-ax	is inductance	mH	8.4/5.7	8.4/4.3	11/8.7	5.8/2.9	4.9/2.6	_
Weight: No brake	[with brake]	kg	3.46[4.14]	5.53 [7.13]	6.91 [8.51]	6.89 [8.49]	8.14 [9.74]	11.4[13]
	Radial load	N	392	490	490	490	490	490
Permissible load	Axial load	N	147	160	160	160	160	196
	Rated voltage	V	DC24V±10%					
	Rated current	А	0.42	0.9	0.9	0.9	0.9	0.96
Brake	Brake power	W	10	22	22	22	22	23
specifications	Static friction torque	N.m	3.8 or more	14 or more	14 or more	14 or more	14 or more	20 or more
· Note: Holding brake		ms	70 or less	100 or less	100 or less	100 or less	100 or less	80 or less
	Release time	ms	20 or less	60 or less	60 or less	60 or less	60 or less	40 or less
	Release voltage	V			DC1V or more	ı	1	DC0.5V or mo

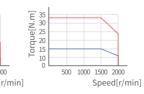












500 1000 1500 2000

Speed[r/min]

3000

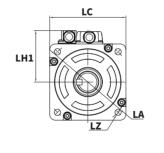
Speed[r/min]

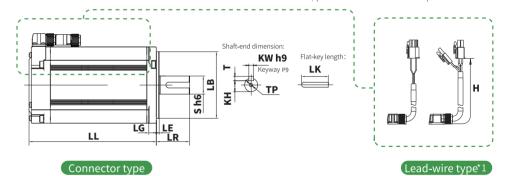
External Dimensions for Servo Motor

Models X2MG085A X2MG100A X2MG130A X2MG180A X2MG230A X2MG075A(Lead-wire type) 130 130 130 130 LC 130 LA ф90 φ145 φ145 φ145 φ145 φ145 LB ф70 ф110 ф110 ф110 ф110 ф110 LZ 4-φ6.6 4-ф9 4-ф9 4-ф9 4-ф9 **4-**ф9 35 55 55 55 55 55 ф22 h6 φ19 h6 φ22 h6 φ22 h6 ф22 h6 φ22 h6 LL no brake [with brake] 134 [177] 135.5 [155.5] 135.5 [155.5] 149.5 [169.5] 163.5 [183.5] 198 [223] 108 [128] 108 [128] 122 [142] 136 [156] 167 [192] LN no brake [with brake] LG 8 12 12 12 12 12 3 6 6 6 6 6 137.5[157.5] LM1 no brake [with brake] 123.5 [143.5] 123.5 [143.5] 151.5 [171.5] 186 [211] **—**[173] LM2 no brake [with brake 69 69 83 97 127.6 LH1 54 115 115 115 115 118 LH2 _ _ _ _ 81.5 LH3 56.5 56.5 56.5 56.5 58.5 LK 25 45 45 45 45 45 7 7 7 6 7 KW 6 h9 8 h9 8 h9 8 h9 8 h9 8 h9 KH 18 18 15.5 18 18 18 ТР M5 Depth 12 M6 Depth 20 H type cable length for lead-wire type 210

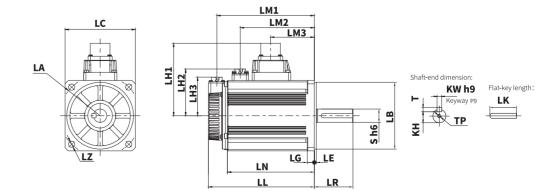
▼ X2MG075A

customized. For details, please contact our sales department.





X2MG085A / X2MG100A / X2MG130A / X2MG180A / X2MG230A



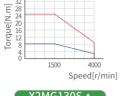
Servo Motor Specifications (850) 1.3 KW 1.8 KW

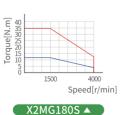


11)/0\ /000F0	V0V404000	V0V404000	
Items		Unit	X2MG085S	X2MG130S	X2MG180S	
Rated power		W	850	1300	1800	
Rated voltage		V	220	220	220	
Fitting flange s	size	mm	130	130	130	
Rated torque		N.m	5.39	8.28	11.5	
Instantaneous	max. torque	N.m	16.2	24.84	34.5	
Rated speed		r/min	1500	1500	1500	
		r/min	4000	4000	4000	
Max. speed						
Rated current		Arms	6.7	9.6	15.6	
Instantaneous r	nax. current	Arms	20.1	28.8	46.8	
Moment of	No brake	x10 ⁻⁴ Kg.m ²	13.9	19.9	26	
inertia	With brake	x10 ⁻⁴ Kg.m ²	16	22	28.1	
Torque consta		N.m/A	0.859	0.891	0.748	
Induced voltag per phase	e constant	mV[r/min]	31.04	32.08	27	
Rated	No brake	KW/S	20.9	35	50.9	
power rate	With brake	KW/S	18.2	31.6	47.1	
Mechanical	No brake	ms	2.74	2.23	1.95	
time constant	With brake	ms	3.16	2.46	2.29	
Electrical time	constant	ms	10.2	10.7	11.14	
Phase q-axis/d-ax	kis inductance	mH	_	_	_	
Weight: No brake	[with brake]	kg	5.5[7.5]	7.1[9]	8.6[11]	
Damesiasible land	Radial load	N	490	490	490	
Permissible load	Axial load	N	196	196	196	
	Rated voltage	V		DC24V±10%		
	Rated current	А	0.41	0.41	0.41	
Brake	Brake power	W	12	12	12	
specifications	Static friction torque	N.m	14 or more	14 or more	14 or more	
Note: Holding brake		ms	100 or less	100 or less	100 or less	
	Release time	ms	80 or less	80 or less	80 or less	
	Release voltage	V		DC1V or more	ore	

Torque characteristics





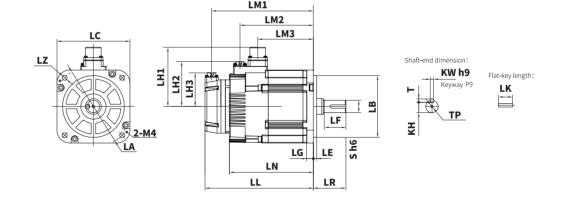


External Dimensions for Servo Motor

Unit(mm)

Models	X2MG085S	X2MG130S	X2MG180S
130		130	130
LA	ф145	φ145	ф145
LB	φ110h7	φ110h7	φ110h7
LZ	4-ф9	4-ф9	4-ф9
LR	58	58	58
S	φ19 h6	ф22 h6	φ24 h6
LL no brake [with brake]	128.5 [146.5]	144.5[180.5]	162.5 [198.5]
LN no brake [with brake]	97.5[133.5]	113.5[149.5]	131.5[167.5]
LG	12	12	12
LE	6	6	6
LF	40	40	40
LM1 no brake [with brake]	116.5[152.5]	132.5[168.5]	150.5 [186.5]
LM2 no brake [with brake]	[114.5]	[130.5]	[148.5]
LM3	83	99	117
LH1	105	105	105
LH2	79.5	79.5	79.5
LH3	54.5	54.5	54.5
LK	25	25	25
Т	5	6	7
KW	5 h9	6 h9	8 h9
KH	16 18.5		20
TP	M5 Depth 16	M5 Depth 16	M5 Depth 16

X2MG085S/X2MG130S/X2MG180S



Series Servo Motor with high precision optical encoder

220V/380V

23Bit/25Bit*1 Absolute

50W-22KW

0.16N.m-140N.m

76 models, and the capacity has been extended to 22KW, which can provide a wider range of power options!



Suitable for some occasions with light load and high-speed positioning. Quick response to start, accelerate and stop

MM/MH

Medium/high ineria sero motor

Suitable for occasions with heavy load and high stability

Ultra-high ineria sero motor

Suitable for the same installation fange. With higher motor ineria, suitable for rollers and low-speed and stable occasions.



Flat and special fange sero motor

Under the same power, with diferent sizes of fange design. The sero motor becomes shorer, but with larger ineria. Also suitable for rollers and low-speed stable occasions.

MG

MHH

Low-speed and large-torque sero motor

With the characteristics of low rated speed and large output torque, suitable for heavy load occasions.



Low cogging cutting sero motor

Groove inclination design, which has lower cogging torque and good low-speed characteristics. At the same time, it can reach the maximum speed of 4000RPM with the Y7 series sero drive, which greatly shorens the idle travel time and improves the processing efciency.

New manufacturing process

The newly-designed iron-core process makes the sero motor much smaller and lighter, 20% shorer than the previous generation.

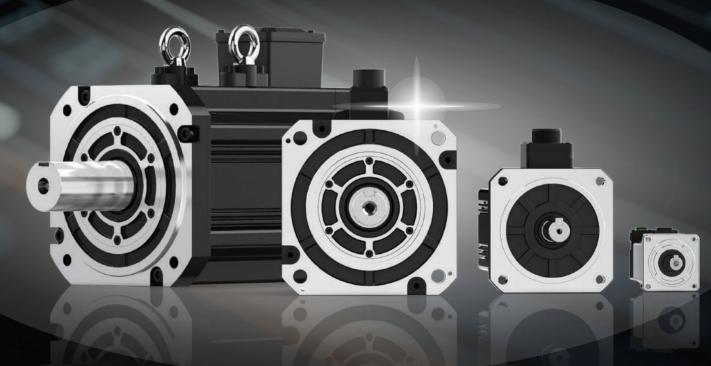
New structure design

The integrated structure of the front fange and housing to be stronger, matching with connector-type motor. IP67 protection level.

New rotor design

The new design with 10-pole rotor + magnetic feld analysis technology to reduce the width of pulsation and makes it smoother at low speed.





*Note1: X6 series 26Bit high-precision optical encoder motor, will be released in 2023.

$\frac{\text{SV-X6}}{1} \quad \frac{\text{MA}}{2} \quad \frac{\text{O40}}{3} \quad \frac{\text{A}}{4} - \frac{\text{N}}{5} \quad \frac{2}{6} \quad \frac{\text{C}}{7} \quad \frac{\text{D}}{8} \quad \frac{\text{****}}{\text{Special specifications}}$

1	Series name				
	SV-X6series	20BIT(PNXXXM Version)/23BIT			

2 Inertia Specifications					
MA	Low inertia				
MM	Middle inertia				
MMS	Middle inertia & high speed				
MH	High inertia				
MHH	Ultra high inertia				
MQ	Special flange/Flat-type/small flange				
MG	Low-speed & high-torque				
MGS	Low-cogging cutting				

3 Power specification							
005	50W	240	2.4KW				
010	100W	290	2.9KW				
015	150W	300	3KW				
020	200W	400	4KW				
040	400W	440	4.4KW				
075	750W	500	5KW				
085	850W	550	5.5KW				
100	1KW	750	7.5KW				
130	1.3KW	11K	11KW				
150	1.5KW	15K	15KW				
180	1.8KW	22K	22KW				
200	2KW	37K	37KW*3				



4	Design number
A/B/C/S	A: Standard speed B/C/S Indicates a design sequence different from the standard speed
E/F	Indicates the design sequence of special flange specifications under the same index
H/K	Indicates the design sequence of special inertia

5 Brake specifications				
N	No brake			
В	With brake			

6 Voltage specifications				
2	AC220V			
4	AC380V			

7 s _i	Specifications			
K	Lead wire type/Keyway shaft/no oil seal			
L	Lead wire type/Keyway shaft/with oil seal			
С	Connector type/keyway shaft/with oil seal*1			
D	Connector type/keyway shaft/ no oil seal*1			
J	Compact type(customized)			

8 Encoder specifications			
D	Multi-turn 23bit absolute		
А	Multi-turn 20bit absolute (PNXXXM version) *2		
С	Multi-turn 20bit absolute		

9 Cu	stomization
**	N/A

*1: *1: Note 1: From the 2nd quarter of 2021, our company started releservo motor with 40-80 flanges as the regular model.

Lead-wire servo motors will be discontinued from December 2021, if still the customized application process is required.

For details, refer to page 123 or consult our sales staff.



^{*2:} The PNXXXM version of the X2 series motor has 20-bit resolution for Y7 drives and 17-bit resolution for other series drives.

^{*3:} To be available in 2024

X6 Series Servo Motor

Mode	X6MA200A □100 6.37[19.1] 3.68[4.01] 3000[5000] 7.5KW X6MM750A □180 47.8[119.4] 99.3[114.2] 1500[2500]	□130 9.55[28.65] 10.75[11.95] 3000[5000] 20 21 220 4] 70[175] 251.8[314]	3000[5000] 20 23	X6MA500k □130 15.9[47.7] 20.3[21.5] 3000[5000] 20 22KW X6MM22K/ □220 140[350] 481.2[543.8] 1500[2000]
Comparison Com	3000[5000] 7.5KW X6MM750A □180 47.8[119.4] 99.3[114.2] 1500[2500]	3000[5000] 20 23 11KW A X6MM11KA 220 70[175] 251.8[314]	3000[5000] 20 28 15KW X6MM15KA 220 96[239] 327.6[390.7]	3000[5000] 20 22KW X6MM22K/ 220 140[350] 481.2[543.8 1500[2000]
Specifications Specifications Sow 100w 150w 200w 400w 750w 1.0kw 1.5kw 2.0kw 3kw 4kw 5.0kw 5.0kw	7.5KW X6MM750A □180 47.8[119.4] 99.3[114.2] 1500[2500]	11KW A X6MM11KA □220 70[175] 2 251.8[314]	15KW X6MM15KA □220 96[239] 327.6[390.7]	22KW X6MM22K/ □220 140[350] 481.2[543.8 1500[2000]
Manual	X6MM750A □180 47.8[119.4] 99.3[114.2] 1500[2500]	A X6MM11KA □220 4] 70[175] 2] 251.8[314]	X6MM15KA □220 96[239] 327.6[390.7]	X6MM22KA □220 140[350] 481.2[543.8 1500[2000]
Flange	□180 47.8[119.4] 99.3[114.2] 1500[2500]	□220 4] 70[175] 2] 251.8[314]	□220 96[239] 327.6[390.7]	□220 140[350] 481.2[543.8 1500[2000]
Rated Peak torque	47.8[119.4] 99.3[114.2] 1500[2500]	70[175] 2] 251.8[314]	96[239] 327.6[390.7]	140[350] 481.2[543.8 1500[2000]
Mertia No brake Merty Mertia No brake Merty	99.3[114.2] 1500[2500]	251.8[314]	327.6[390.7]	481.2[543.8 1500[2000]
Rotation speed, Rested [Max. speed] 2000[3000] 2000		1500[2000]	1500[2000]	
Model Mode	0 0	3	2	3
Model name Rated Peak torque				
Flange				
Inertia; No brake [with brake] Inertia; No brake [with brake]				
Retroits peed Rated Max. speed Retroits Retroit				
Speed Series 220V				
Model name				
Flange				
Rated [Peak torque]				
Inertia: No brake [with brake] 0.038[0.042] 0.071[0.074] 0.13[0.133] 0.29[0.31] 0.56[0.58] 1.56[1.66] 30.8[32] 38.5[39.7] 31.4[44.6] 101.7[115]				
High inertia Rotation speed: Rated [Max. speed] 3000[6500] 3000[6500] 3000[6500] 3000[6500] 3000[6500] 3000[6000] 2000[300] 2000[3000] 2000[300] 2000[300] 2000[3000] 2000[300] 2000[300] 2000[300] 2000[300] 2000[300] 2000[3000] 2000[3				
220V 380V 380V 36MH020H X6MH020H X6MH075H 380 380 380V 36MH020H X6MH020H X6MH075H 380 380V				
Model name				
Flange				
Rated [Peak torque] 0.32[1.11] 0.64[2.23] 1.27[4.46] 2.39[8.36]				
Inertia: No brake [with brake]				
high inertia Rotation speed: Rated [Max. speed] 3000[6500] 3000[6500] 3000[6500] 3000[6500] 3000[6000] 380V 380V X6MQ010A X6MQ020A X6MQ040A X6MQ100E Flange □60 □80 □80 □80 X6-MQ Special flange □0.32[0.96] 0.637[1.91] 1.27[3.82] 3.185[11.13] Special flange Flat-type/ small flange □0.14[0.16] 0.47[0.5] 0.87[0.9] 2[2.1] Rotation speed: Rated [Max. speed] 3000[6500] 3000[6500] 3000[6500] small flange 220V 18 18				
Sabov Sabo				
Model name X6MQ010A X6MQ020A X6MQ040A X6MQ100E X6-MQ Flange □60 □80 □80 Special flange □32[0.96] 0.637[1.91] 1.27[3.82] 3.185[11.13] Inertia: No brake [with brake] 0.14[0.16] 0.47[0.5] 0.87[0.9] 2[2.1] Rotation speed: Rated [Max. speed] 3000[6500] 3000[6500] 3000[6000] small flange 220V 18 18				
Flange				
Special flange Flat-type/ small flange Inertia: No brake [with brake] 0.14[0.16] 0.47[0.5] 0.87[0.9] 2[2.1] 8000[6500] 3000[6500] 3000[6500] 3000[6000] 9000[6500] 3000[6500] 3000[6500] 3000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500] 1000[6500]				
Tange Flat-type/ Rotation speed: Rated [Max. speed] 3000[6500] 3000[6500] 3000[6500] 3000[6000]				
small flange 220V & B				
Series Constitution 750W 41VW 950W 42VW 45VW 45VW 24VW 25VW 75VW				
Name Specifications /50W IKW 850W I.5KW I.5KW I.5KW Z.4KW Z.4KW 4.4KW 5.5KW				
Model name X6MG075A X6MG100A X6MG085A X6MG130A X6MG150C X6MG180A X6MG240A X6MG290A X6MG440A X6MG550A				
Flange				
X6-MG Rated [Peak torque] 4.77[14.3] 9.55[28.6] 5.41[16.2] 8.28[24.84] 14.3[42] 11.5[34.5] 15.2[45.8] 18.6[46.5] 28[71.1] 35[87.5] Low-speed Inertia: No brake [with brake] 2.88[3] 12.1[13.3] 14[15.2] 20.2[21.4] 20.8[22] 26[27.2] 31.3[32.5] 47.2[62.3] 68.6[83.7] 91.4[106.5]				
8 Rotation speed: Rated [Max. speed] 1500[2000] 1000[1500] 1500[3000] 1500[3000] 1500[3000] 1500[3000] 1500[3000] 1500[3000] 1500[3000]				
220V 3 8 9 9 9				
380V				
Model name X6MG085S X6MG130S X6MG180S X6MG290S X6MG440S Flange □130 □130 □130 □180 □180				
x6-MGS Rated [Peak torque] 5.39[16.2] 8.28[24.842] 11.5[34.5] 18.6[55.8] 28.4[71.1]				
Low- Inertia: No brake [with brake] 13.9[16] 19.9[22] 26[28.1] 47.2[62.3] 68.6[83.7]				
cotting cutting series Rotation speed: Rated [Max. speed] 1500[4000] 1500[4000] 1500[4000] 1500[4000]				

Note 29 20 23 Indicates the encoder bits; The color indicates the voltage specification, orange: 220V, blue: 380V.

X6 series servo motor (Version:PNXXXM) is 20bit resolution when matching with Y7 series servo drive, and it is 17bit resolution when matching with other servo drives.

X6MA075A

80

ф60

ф70

4-φ6

35

φ19 h6

105[138.5]

3

54.5

25

6

6 h9

15.5

M5 Depth 12

210

Unit(mm)

X6MA090E

110

ф130

φ95h7

4-ф9

55

φ19 h6

141[168]

91.5[118.5]

12

5

129[156]

[100.5]

57

102

71.4

60

42

6

6 h9

15.5

M5 Depth 12

Servo Motor Specifications w 2000 W 2000 W

X6 Series Low Inertia(220V) X6MA







_		
50	900	
	W	

Item	ns	Unit	X6MA010A	X6MA020A	X6MA040A	X6MA060E	X6MA075A	X6MA090E
Rated power		W	100	200	400	600	750	900
Rated voltage		V	220	220	220	220	220	220
Fitting flange s	ize	mm	40	60	60	110	80	110
Rated torque		N.m	0.32	0.64	1.27	1.91	2.39	2.86
Instantaneous	max. torque	N.m	1.12	1.91	3.82	5.73	7.16	8.6
Rated speed		r/min	3000	3000	3000	3000	3000	3000
Max. speed		r/min	6500	6000	6000	5000	6000	5000
Rated current		Arms	1.2	1.7	2.7	3	4.2	4.5
Instantaneous n	nax. current	Arms	4.6	6.5	10.2	9	17.4	13.5
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.041	0.16	0.28	3.1	0.96	4.5
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.042	0.17	0.29	4.2	1.07	5.6
Torque consta	nt	N.m/A	0.265	0.427	0.488	0.63	0.583	0.63
Induced voltage con	stant per phase	mV[r/min]	10.05	14.5	17.9	24.48	21.33	24.52
Rated power	No brake	KW/S	29.1	25.6	57.6	11.3	59.5	17.1
rate	With brake	KW/S	27.5	24.1	55.6	10.6	53.4	16.4
Mechanical	No brake	ms	1.12	0.775	0.561	1.77	0.463	1.98
time constant	With brake	ms	1.28	0.824	0.581	1.87	0.516	2.07
Electrical time	constant	ms	0.97	6.3	6.1	7.8	12.7	6.78
Phase q-axis/d-axis i	inductance	mH	8.75/8.04	19/5.6	10.7/7.5	6.35/4.49	7.6/4.9	4.2/2.94
Weight: No brake[w	rith brake]	kg	0.44 [0.65]	0.9 [1.3]	1.28 [1.67]	3.1 [4.4]	2.25 [3.01]	3.7 [5]
Permissible	Radial load	N	68	245	245	392	392	392
load	Axial load	N	58	98	98	147	147	147
	Rated voltage	V	DC24V±10%					
	Rated current	А	0.25	0.36	0.36	0.81	0.42	0.81
	Brake power	W	7	7.3	7.3	19.5	9.6	19.5
Brake	Static friction torque	N.m	0.38 or more	1.6 or more	1.6 or more	12 or more	3.8 or more	12 or more
specifications	Suction time	ms	35 or less	50 or less	50 or less	100 or less	70 or less	100 or less
Note: Holding brake	Release time	ms	20 or less	20 or less	20 or less	60 or less	20 or less	60 or less
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more	DC1.5V or more	DC1V or more	DC1.5V or more

H type cable length for lead-wire type

External Dimensions for Servo Motor

X6MA020A

60

ф70

ф50

4-ф5.4

30

φ14 h6

73.5[103]

_

6.5

3

44.5

25

5

5 h9

11

M5 Depth 12

210

X6MA040A

60

ф70

ф50

4-φ5.4

30

φ14 h6

93.2[122.7]

6.5

3

44.5

25

5

5 h9

11

M5 Depth 12

210

X6MA060E

130

φ95

ф70

4-ф9

55

φ19 h6

130.5 [157.5]

81[108]

12

5

118.5 [145.5]

[90]

47

102

71.5

60

42

6

6 h9

15.5

M5 Depth 12

X6MA010A

40

ф46

ф30

2-φ4.3

25

ф8 h6

76.7 [107.1]

5

3

34.5

14

3

3 h9

6.2

M3 Depth 6

210

Models

LL no brake [with brake]

LN no brake [with brake]

LM1 no brake [with brake] LM2 no brake [with brake]

LC

LA

LB

LZ

LR

LE

LH1

LH2

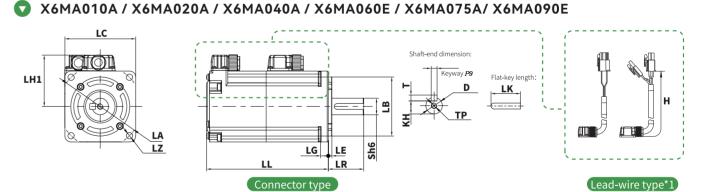
LH3

LK

KW

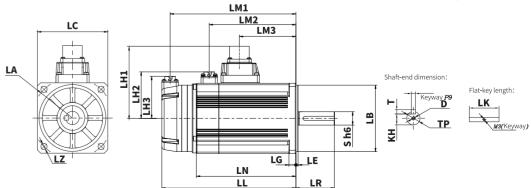
KH

TP



▼ X6MA060E / X6MA090E

*1: For X6 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

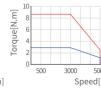


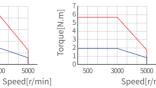
Torque characteristics

Instantaneous ——















6000

Speed[r/min]

6000

Speed[r/min]

Speed[r/min]



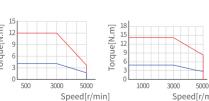


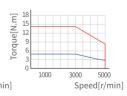
8	2	
W	KW	

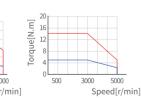
Item	ıs	Unit	X6MA100A	X6MA120E	X6MA150A	X6MA150E	X6MA180E	X6MA200A
Rated power		W	1000	1200	1500	1500	1800	2000
Rated voltage		V	220	220	220	220	220	220
Fitting flange s	size	mm	100	110	100	110	110	100
Rated torque		N.m	3.18	4	4.77	4.77	5.73	6.37
Instantaneous	max. torque	N.m	9.55	12	14.3	14.3	17.2	19.1
Rated speed		r/min	3000	3000	3000	3000	3000	3000
Max. speed		r/min	5000	5000	5000	5000	5000	5000
Rated current		Arms	6.6	6	8.2	7.6	9.5	11.3
Instantaneous r	nax. current	Arms	28	18	35	24	29	48
Moment of	No brake	x10 ⁻⁴ Kg.m ²	2.03	5.9	2.84	7.3	8.6	3.68
inertia	With brake	x10 ⁻⁴ Kg.m ²	2.35	7	3.17	8.4	9.7	4.01
Torque consta	nt	N.m/A	0.52	0.63	0.628	0.63	0.63	0.607
Induced voltage con	stant per phase	mV[r/min]	18.15	23.55	21.92	23.2	24	21.247
Rated power	No brake	KW/S	49.82	23.1	80.12	28	34.7	110.26
rate	With brake	KW/S	43.03	22.1	71.775	27.3	34	101.19
Mechanical	No brake	ms	0.619	1.5	0.507	1.47	1.38	0.425
time constant	With brake	ms	0.717	1.57	0.566	1.51	1.4	0.463
Electrical time	constant	ms	7.22	8.86	8.08	9.35	9.54	9.37
Phase q-axis/d-axis i	inductance	mH	_	3.13/2.18	_	2.52/1.75	1.86/1.29	_
Weight: No brake[w	vith brake]	kg	3.5 [4.5]	4.3 [5.6]	4.4 [5.4]	4.95 [6.25]	5.4 [6.7]	5.3 [6.3]
Permissible	Radial load	N	392	392	392	392	392	392
load	Axial load	N	147	147	147	147	147	147
	Rated voltage	V			DC24	V±10%		
	Rated current	А	0.81±10%	0.81	0.81±10%	0.81	0.81	0.81±10%
	Brake power	W	20	19.5	20	19.5	19.5	20
Brake	Static friction torque	N.m	7.8 or more	12 or more	7.8 or more	12 or more	12 or more	7.8 or more
specifications	Suction time	ms	50 or less	100 or less	50 or less	100 or less	100 or less	50 or less
Note: Holding brake	Release time	ms	15 or less	60 or less	15 or less	60 or less	60 or less	15 or less
	Release voltage	V	DC1V or more	DC1.5V or more	DC1V or more	DC1.5V or more	DC1.5V or more	DC1V or more

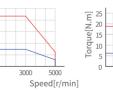
Torque characteristics

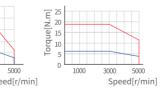






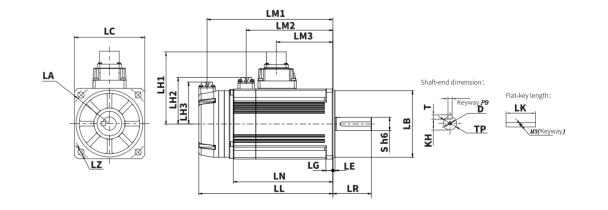






External Dimensions for Servo Motor

Models	X6MA100A	X6MA120E	X6MA150A	X6MA150E	X6MA180E	X6MA200A
LC	100	110	100	110	110	100
LA	ф115	ф130	ф115	ф130	ф130	ф115
LB	ф95	ф95	ф95	ф95	ф95	ф95
LZ	4-ф9	4-φ9	4-φ9	4-φ9	4-φ9	4-φ9
LR	55	55	55	55	55	55
S	ф19 h6	ф19 h6	ф19 h6	ф19 h6	ф19 h6	φ19 h6
LL no brake [with brake]	123.5 [150.5]	152[179]	142 [169]	163[190]	173[200]	183.5[210.5]
LN no brake [with brake]	96.5 [123.5]	102.5[129.5]	115 [142]	113[140]	123.5[150.5]	134 [161]
LG	10	12	10	12	12	10
LE	3	5	3	5	5	3
LM1 no brake [with brake]	111.5 [138.5]	152[167]	130 [157]	151[178]	161[188]	171.5[198.5]
LM2 no brake [with brake]	— [105]	— [111.5]	— [123.5]	— [122]	— [132.5]	— [142.5]
LM3	62	68	80.5	78.5	89	99.5
LH1	103	102	103	102	102	103
LH2	66	71.4	66.5	71.4	71.5	66.5
LH3	55	60	55	60	60	60
LK	42	42	42	42	42	42
Т	6	6	6	6	6	6
KW	6 h9	6 h9	6 h9	6 h9	6 h9	6 h9
KH	15.5	15.5	15.5	15.5	15.5	15.5
TP	M5 Depth 12	M5 Depth 12	M5 Depth 12	M5 Depth 12	M5 Depth 12	M5 Depth 12
H type cable length for lead-wire type	_	_	_	_	_	_



Servo Motor Specifications KW 1.5 KW



5	2	
٧	KW	

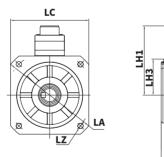
Item	ıs	Unit	X6MM100A	X6MM150A	X6MM200A
Rated power		W	1000	1500	2000
Rated voltage		V	220	220	220
Fitting flange s	ize	mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous	max. torque	N.m	14.3	21.5	28.6
Rated speed		r/min	2000	2000	2000
Max. speed		r/min	3000	3000	3000
Rated current		Arms	5.2	8	9.9
Instantaneous r	nax. current	Arms	15.6	24	30
Moment of	No brake	x10 ⁻⁴ Kg.m ²	6.18	9.16	12.1
inertia	With brake	x10 ⁻⁴ Kg.m ²	7.4	10.4	13.3
Torque consta	nt	N.m/A	0.918	0.895	0.9645
Induced voltage con	stant per phase	mV[r/min]	33.65	34.84	37.95
Rated power	No brake	KW/S	36.8	56	75.4
rate	With brake	KW/S	30.7	49.3	68.6
Mechanical	No brake	ms	1.51	1.16	1.05
time constant	With brake	ms	1.81	1.3	1.16
Electrical time	constant	ms	11.1	14.6	15.38
Phase q-axis/d-axis	inductance	mH	8.4/4.3	5.8/2.9	4.9/2.6
Weight: No brake[w	rith brake]	kg	4.9[6.5]	6.1[7.7]	7.21[8.81]
Permissible	Radial load	N	490	490	490
load	Axial load	N	196	196	196
	Rated voltage	V		DC24V±10%	
	Rated current	А	0.9	0.9	0.9
	Brake power	W	22	22	22
Brake	Static friction torque	N.m	14 or more	14 or more	14 or more
specifications	Suction time	ms	100 or less	100 or less	100 or less
Note: Holding brake	Release time	ms	60 or less	60 or less	60 or less
	Release voltage	V		DC1V or more	

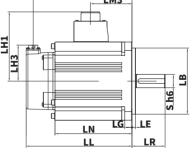
External Dimensions for Servo Motor

Unit(mm)

Models	X6MM100A	X6MM150A	X6MM200A
LC	130	130	130
LA	φ145	ф145	ф145
LB	ф110	ф110	ф110
LZ	4-ф9	4-ф9	4-ф9
LR	55	55	55
S	ф22 h6	ф22 h6	ф22 h6
LL no brake [with brake]	128 [148]	142 [162]	156 [176]
LN no brake [with brake]	80 [100]	94 [114]	108 [128]
LG	12	12	12
LE	6	6	6
LM1 no brake [with brake]	116.2 [136.2]	130.2 [150.2]	144.2 [164.2]
LM3	41	55	69
LH1	115	115	115
LH3	60	60	60
LK	45	45	45
Т	7	7	7
KW	8 h9	8 h9	8 h9
KH	18	18	18
TP	M6 Depth 20	M6 Depth 20	M6 Depth 20

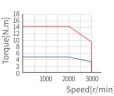
X6MM100A / X6MM150A / X6MM200A

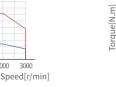


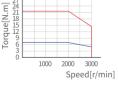




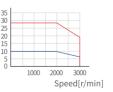
Torque characteristics











Servo Motor Specifications [1.5]



5	(2
34/	KW
VV	KVV

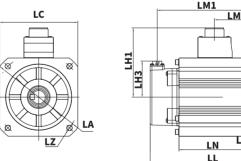
Iten	ns	Unit	X6MM100S	X6MM150S	X6MM200S
Rated power		W	1000	1500	2000
Rated voltage		V	220	220	220
Fitting flange	size	mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous	max. torque	N.m	14.31	21.5	28.6
Rated speed		r/min	2000	2000	2000
Max. speed		r/min	5000	5000	5000
Rated current		Arms	8.25	9.5	15
Instantaneous	max. current	Arms	25	29	50
Moment of	No brake	x10 ⁻⁴ Kg.m ²	9.16	12.1	16.85
inertia	With brake	x10 ⁻⁴ Kg.m ²	10.4	13.3	18.05
Torque consta	nt	N.m/A	0.573	0.672	0.627
Induced voltage cor	nstant per phase	mV[r/min]	21.2	25.9	23
Mateu power	No brake	KW/S	24.84	42.37	54.13
	With brake	KW/S	21.88	38.55	50.53
Mechanical	No brake	ms	1.24	1.08	0.93
time constant	With brake	ms	1.41	1.18	1
Electrical time	constant	ms	13.3	16.13	13.75
Phase q-axis/d-axis	inductance	mH	2.2/1.1	2.5/1.3	1.1/0.6
Weight: No brake[v	vith brake]	kg	6.1[7.7]	7.21[8.81]	7.14[10.33]
Permissible	Radial load	N	490	490	490
load	Axial load	N	196	196	196
	Rated voltage	V		DC24V±10%	
	Rated current	А	0.9	0.9	0.9
	Brake power	W	21.5	21.5	21.5
Brake	Static friction torque	N.m	14 or more	14 or more	14 or more
specifications	Suction time	ms	100 or less	100 or less	100 or less
Note: Holding brake	Release time	ms	60 or less	60 or less	60 or less
	Release voltage	V		DC1V or more	

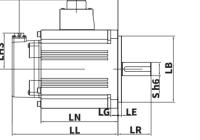
External Dimensions for Servo Motor

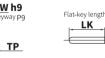
Unit(mm)

Models	X6MM100S	X6MM150S	X6MM200S
LC	130	130	130
LA	ф145	φ145	ф145
LB	ф110	ф110	ф110
LZ	4-ф9	4-ф9	4-φ9
LR	55	55	55
S	ф22 h6	ф22 h6	ф22 h6
LL no brake [with brake]	142 [162]	156 [176]	184 [204]
LN no brake [with brake]	94 [114]	108 [128]	136 [156]
LG	12	12	12
LE	6	6	6
LM1 no brake [with brake]	130.2 [150.2]	144.2 [164.2]	172.2 [192.2]
LM3	55	69	97
LH1	115	115	115
LH3	60	60	60
LK	45	45	45
Т	7	7	7
KW	8 h9	8 h9	8 h9
KH	18	18	18
TP	M6 Depth 20	M6 Depth 20	M6 Depth 20

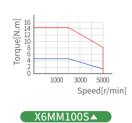
▼ X6MM100S/X6MM150S/X6MM200S

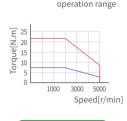


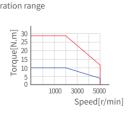




Torque characteristics







Servo Motor Specifications w 100 W 150 W

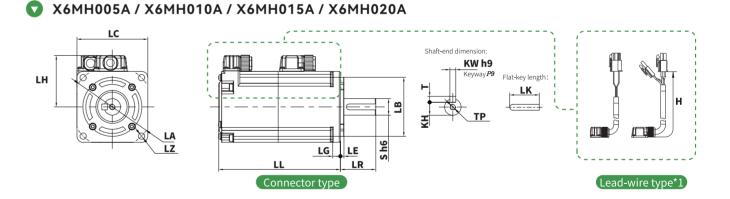






50	200
	W
	•••

Item	าร	Unit	X6MH005A	X6MH010A	X6MH015A	X6MH020A*2
Rated power		W	50	100	150	200
Rated voltage	Rated voltage		220	220	220	220
Fitting flange	size	mm	40	40	40	60
Rated torque		N.m	0.16	0.32	0.477	0.64
Instantaneous	max. torque	N.m	0.56	1.11	1.43	2.23
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	6500	6500	6000	6500
Rated current		Arms	1.1	1.1	1.5	1.4
Instantaneous r	max. current	Arms	3.89	3.89	4.5	4.87
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.038	0.071	0.13	0.29
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.042	0.074	0.133	0.31
Torque consta	nt	N.m/A	0.168	0.327	0.33	0.5
Induced voltage cor	nstant per phase	mV[r/min]	5	11.1	13.66	14.61
Rated power	No brake	KW/S	6.7	14.4	17.5	14.1
rate	With brake	KW/S	6.1	13.8	17.1	13.2
Mechanical	No brake	ms	2.6	1.67	1.9	1.57
time constant	With brake	ms	2.85	1.74	1.94	1.68
Electrical time	constant	ms	0.89	1.1	1.22	2.58
Phase q-axis/d-axis	inductance	mH	5.1/3.4	9.4/6.3	7.2/4.8	10.2/5.8
Weight: No brake[v	vith brake]	kg	0.33 [0.55]	0.45 [0.66]	0.6[0.81]	0.87 [1.27]
Permissible	Radial load	N	68	68	68	245
load	Axial load	N	58	58	58	98
	Rated voltage	V		DC24	4V±10%	
	Rated current	А	0.25	0.25	0.375	0.36
	Brake power	W	6	6	9	9
Brake	Static friction torque	N.m	0.38 or more	0.38 or more	0.58 or more	1.6 or more
specifications	Suction time	ms	35 or less	35 or less	50 or less	50 or less
Note: Holding brake	Release time	ms	20 or less	20 or less	20 or less	20 or less
	Release voltage	V	DC1V or more			

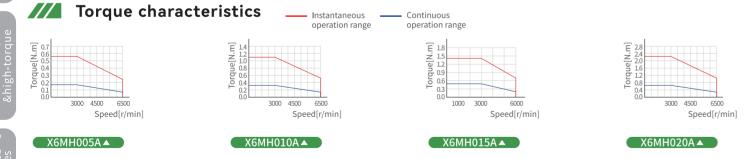


- For details, please contact our sales department.
- $^{\star}2$: There is the shaft diameter $\phi11$ for X6 series servo motor, the model is X6MH020A-N2JD.

	External	Dimensions	for	Servo	Motor
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Models	X6MH005A	X6MH010A	X6MH015A	X6MH020A*2
LC	40	40	40	60
LA	ф46	ф46	ф46	ф70
LB	ф30	ф30	ф30	ф50
LZ	2-ф4.3	2-ф4.3	2-φ4.3	4-φ5.4
LR	25	25	25	30
S	φ8 h6	φ8 h6	ф8 h6	φ14 h6
LL no brake [with brake]	57 [91]	71 [105]	93.8 [127.8]	70.5 [100]
LG	5	5	5	6.5
LE	3	3	3	3
LH	35	35	35	44.5
LK	14	14	14	25
Т	3	3	3	5
KW no brake [with brake]	3 h9	3 h9	3 h9	5 h9
KH	6.2	6.2	6.2	11
TP	M3 Depth 6	M3 Depth 6	M3 Depth 6	M5 Depth 12
H type cable length for lead-wire type	210	210	210	210

*1: For X6 series servo motors, the lead-wire types are needed to be customized.



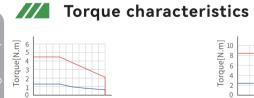
Servo Motor Specifications W



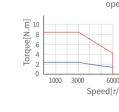


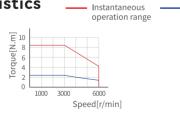
750	1	1.5
W	KW	KW

Item	ıs	Unit	X6MH040A	X6MH075A	X6MH100A	X6MH150A	
Rated power		W	400	750	1000	1500	
Rated voltage		V	220	220	220	220	
Fitting flange s	ize	mm	60	80	130	130	
Rated torque		N.m	1.27	2.39	4.77	7.16	
Instantaneous	max. torque	N.m	4.46	8.36	14.3	21.5	
Rated speed		r/min	3000	3000	2000	2000	
Max. speed		r/min	6500	6000	3000	3000	
Rated current		Arms	2.1	3.8	5.2	8	
Instantaneous max. current		Arms	7.36	13.3	15.6	24	
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.56	1.56	30.8	38.5	
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.58	1.66	32	39.7	
Torque constant		N.m/A	0.67	0.648	0.918	0.895	
Induced voltage con	stant per phase	mV[r/min]	20.85	22.65	33.65	34.84	
Rated power	No brake	KW/S	28.8	36.6 7.39 13.3	13.3		
rate	With brake	KW/S	27.8	34.4	7.11	12.9	
Mechanical	No brake	ms	1.24	0.97	7.54	4.9	
time constant	With brake	ms	1.29	1.03	7.84	5.05	
Electrical time constant		ms	2.97	6.59	11.1	14.63	
Phase q-axis/d-axis inductance		mH	9.2/6.5	6/3.3	8.4/4.3	5.8/2.9	
Weight: No brake[with brake]		kg	1.22 [1.61]	2.25 [3.01]	6.63[8.23]	8.03[9.63]	
Permissible	Radial load	N	245	392	490	490	
load	Axial load	N	98	147	196	196	
	Rated voltage	V	DC24V±10%				
	Rated current	А	0.36	0.42	0.9	0.9	
	Brake power	W	9	9	9 9 9	9	
Brake	Static friction torque	N.m	1.6 or more	3.8 or more	14 or more	14 or more	
specifications	Suction time	ms	50 or less	70 or less	100 or less	100 or less	
Note: Holding brake	Release time	ms	20 or less	20 or less	60 or less	60 or less	
	Release voltage	V	DC1V or more				

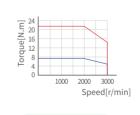










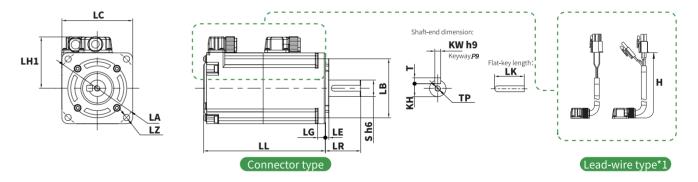


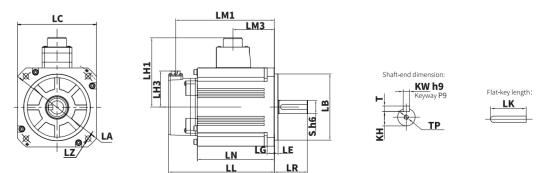
External Dimensions for Servo Motor

Unit(mm)

Models	X6MH040A	X6MH075A	X6MH100A	X6MH150A
LC	60	80	130	130
LA	φ70	ф90	ф145	ф145
LB	ф50	ф70	ф110	ф110
LZ	4-φ5.4	4-ф6.5	4-ф9	4-ф9
LR	30	35	55	55
S	φ14 h6	φ19 h6	φ22 h6	ф22 h6
LL no brake [with brake]	87.5 [117]	94.5 [128.5]	156 [176]	170 [190]
LN no brake [with brake]	_	_	108 [128]	122 [142]
LG	6.5	8	12	12
LE	3	3	6	6
LM1 no brake [with brake]	_	_	144.2[164.2]	158.2 [178.2]
LM3	_	_	69	83
LH1	44.5	54.5	115	115
LH3	_	_	60	60
LK	25	25	45	45
Т	5	6	7	7
KW	5 h9	6 h9	8 h9	8 h9
KH	11	15.5	18	18
TP	M5 Depth 12	M5 Depth 12	M6 Depth 20	M6 Depth 20
H type cable length for lead-wire type	210	210	_	_

▼ X6MH040A / X6MH075A





^{*1:} For X6 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

Servo Motor Specifications w 200 W 750 W





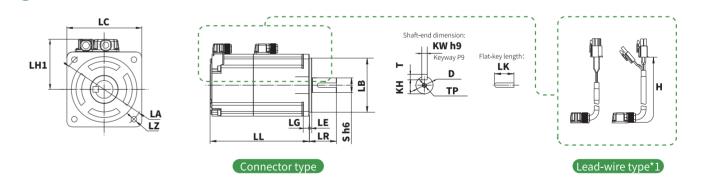
Item	ıs	Unit	X6MH010H	Х6МН020Н	X6MH040H	X6MH075H
Rated power		W	100	200	400	750
Rated voltage		V	220	220	220	220
Fitting flange s	ize	mm	40	60	60	80
Rated torque		N.m	0.32	0.64	1.27	2.39
Instantaneous	max. torque	N.m	1.11	2.23	4.45	8.36
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	6500	6500	6500	6000
Rated current		Arms	0.92	1.4	2.4	3.8
Instantaneous r	nax. current	Arms	3.6	4.87	8.2	18.8
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.092	0.47	0.73	3.15
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.095	0.49	0.75	- *2
Torque consta	nt	N.m/A	0.347	0.5	0.531	0.648
Induced voltage con	stant per phase	mV[r/min]	13.3	14.61	20.4	22.65
Rated power	No brake	KW/S	11.13	8.71	22.09	18.1
rate	With brake	KW/S	10.78	8.36	21.5	17.85
Mechanical	No brake	ms	2.23	2.54	1.15	1.95
time constant	With brake	ms	2.3	2.65	1.18	1.98
Electrical time	constant	ms	0.986	2.58	4.1	6.59
Phase q-axis/d-axis i	nductance	mH	11.9/8	10.2/5.8	6.9/4.3	6/3.3
Weight: No brake[w	ith brake]	kg	0.44[0.65]	0.95 [1.29]	1.45 [1.85]	2.65 [—*2]
Permissible	Radial load	N	68	245	245	392
load	Axial load	N	58	98	98	147
	Rated voltage	V		DC2	4V±10%	
	Rated current	А	0.25	0.36	0.36	0.42
	Brake power	W	6	9	9	10
rate Mechanical time constant Electrical time co Phase q-axis/d-axis inc Weight: No brake[wit] Permissible load Brake Brake specifications Note: Holding brake	Static friction torque	N.m	0.38 or more	1.6 or more	1.6 or more	3.8 or more
	Suction time	ms	35 or less	50 or less	50 or less	70 or less
	Release time	ms	20 or less	20 or less	20 or less	20 or less
	Release voltage	V		DC1V	or more	

External Dimensions for Servo Motor

Unit(mm)

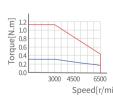
Models	X6MH010H	X6MH020H(Lead-wire type)	X6MH040H	X6MH075H(Lead-wire type)
LC	40	60	60	80
LA	ф46	ф70	ф70	ф90
LB	ф30	ф50	ф50	ф70
LZ	2-ф4.3	4-φ5.5	4-φ5.5	4-ф6.6
LR	25	30	30	35
S	φ8 h6	φ14 h6	φ14 h6	φ19 h6
LL no brake [with brake]	76.7 [110.7]	82.4 [111.9]	98.5 [128]	122 [—*2]
LG	5	6.5	6.5	8
LE	3	3	3	3
LH1	35	43.5	44.5	53.5
LK	14	25	25	25
Т	3	5	5	6
KW	3 h9	5 h9	5 h9	6 h9
KH	6.2	11	11	15.5
TP	M3 Depth 6	M5 Depth 12	M5 Depth 12	M5 Depth 12
H type cable length for lead-wire type	210	210	210	210

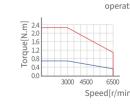
▼ X6MH010H / X6MH020H / X6MH040H / X6MH075H

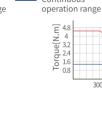


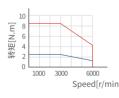
^{*1:} For X6 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

Torque characteristics









^{*2:} Indicates there is no model with the brake.

Unit(mm)

210

Servo Motor Specifications (100) (200) (400) (W)

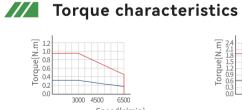


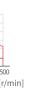


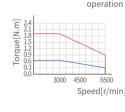


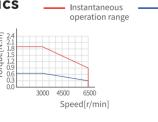


			X6MQ010A	MQ010A-□2K□	X6MQ020A	X6MQ040A	X6MQ100E
Rated power		W	100	100	200	400	1000
Rated voltage		V	220	220	220	220	220
Fitting flange size		mm	60	60	80	80	80
Rated torque		N.m	0.32	0.32	0.637	1.27	3.185
Instantaneous max. torque		N.m	0.96	0.96	1.91	3.82	11.13
Rated speed		r/min	3000	3000	3000	3000	3000
Max. speed		r/min	6500	6500	6500	6500	6000
Rated current		Arms	1.15	1.15	2	2.6	5.7
Instantaneous ma	ax. current	Arms	3.45	3.45	6.4	8.4	21.2
Moment of	No brake	x10 ⁻⁴ Kg.m ²	0.14	0.14	0.47	0.87	2
inertia	With brake	x10 ⁻⁴ Kg.m ²	0.16	0.16	0.5	0.9	2.1
Torque constant	t	N.m/A	0.28	0.28	0.318	0.488	0.552
Induced voltage constant per phase		mV[r/min]	10.78	10.78	12.2	19.6	21.2
Rated power N	No brake	KW/S	6.99	6.99	8.63	18.5	50.7
rate	Nith brake	KW/S	6.64	6.64	8.12	17.92	48.31
Mechanical N	No brake	ms	2.3	2.3	2.51	1.51	0.85
time constant V	Nith brake	ms	2.46	2.46	2.67	1.57	0.897
Electrical time co	onstant	ms	1.66	1.66	3.52	5.41	7.6
Phase q-axis/d-axis inc	ductance	mH	13.63/11.09	13.63/11.09	7.3/3.9	9/4.9	3.8/2.6
Weight: No brake[with	h brake]	kg	0.68 [0.92]	0.68 [0.92]	1.24 [1.74]	1.6 [2.1]	2.68 [3.45]
Permissible F	Radial load	Ν	68	68	245	245	392
	Axial load	Z	58	58	98	98	147
R	Rated voltage	V			DC24V±10%		
R	Rated current	А	0.9	0.9	0.9	0.9	0.42
В	Brake power	W	22	22	22	22	22
Brake St	Static friction orque	N.m	0.38-1.1	0.38-1.1	1.6 or more	1.6 or more	3.8 or more
	Suction time	ms	60 or less	60 or less	60 or less	60 or less	70 or less
Note: Holding brake R	Release time	ms	40 or less	40 or less	40 or less	40 or less	20 or less
R	Release voltage	V		DC1.5V	or more		DC1V or more

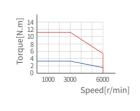












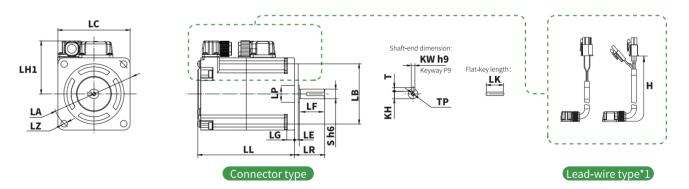
External Dimensions for Servo Motor

Models X6MQ010A(Lead-wire type) X6MQ020A(Lead-wire type) X6MQ040A(Lead-wire type) X6MQ100E LC 80 LA ф70 ф90 ф90 ф90 LB φ50h7 φ70 φ70 ф70 LZ 4-ф6.5 4-φ5.4 4-φ6.5 4-φ6.5 LR 25±0.5 30 30 35 φ8 h6 φ19 h6 φ11 h6 φ14 h6 LL no brake [with brake] 78.1 [58.6]±1 66 [90] 76.8 [100.8] 108 [141.5] LG 6.5 8 8 LE LF 21 26 26 LP ф14 ф19.7 ф19.7 LH1 43.5±0.5 53.5 53.5 54.5 LK 14 20 22 25 5 3 6 KW 3 h9 4 h9 5 h9 6 h9 6.2 15.5 KH 8.5 11 TP M3 Depth 6 M4 Depth 8 M5 Depth 12 M5 Depth 12

▼ X6MQ010A / X6MQ020A / X6MQ040A / X6MQ100E

210±20

H type cable length for lead-wire type



210

*1: For X6 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

Unit(mm)









Servo Motor	Servo Motor Specifications W W KW KW KW										
Items	Unit	X6MG075A	X6MG085A	X6MG100A	X6MG130A	X6MG180A					
Rated power	W	750	850	1000	1300	1800					
Rated voltage	V	220	220	220	220	220					
Fitting flange size	mm	80	130	130	130	130					
Rated torque	N.m	4.77	5.41	9.55	8.28	11.5					

Iten	าร	Unit	X6MG075A	X6MG085A	X6MG100A	X6MG130A	X6MG180A			
Rated power		W	750	850	1000	1300	1800			
Rated voltage		V	220	220	220	220	220			
Fitting flange	size	mm	80	130	130	130	130			
Rated torque		N.m	4.77	5.41	9.55	8.28	11.5			
Instantaneous	max. torque	N.m	14.3	16.2	28.6	24.84	34.5			
Rated speed		r/min	1500	1500	1000	1500	1500			
Max. speed		r/min	2000	3000	1500	3000	3000			
Rated current		Arms	4.2	5.9	5.2	9.3	11.8			
Instantaneous	max. current	Arms	15	18	16	28	35.5			
Moment of	No brake	x10 ⁻⁴ Kg.m ²	2.88	14	12.1	20.2	26			
inertia	With brake	x10 ⁻⁴ Kg.m ²	3	15.2	13.3	21.4	27.2			
Torque consta	nt	N.m/A	1.135	0.918	1.83	0.895	0.964			
Induced voltage cor	nstant per phase	mV[r/min]	43.3	33.65	67.3	34.84	40.18			
Rated power	No brake	KW/S	79	63.29	75.4	33.9	50.87			
rate	With brake	KW/S	75.84	58.26	68.6	32	48.6			
Mechanical	No brake	ms	1.01	3.43	1.12	2.57	2.06			
time constant	With brake	ms	1.05	3.72	1.23	2.72	2.15			
Electrical time	constant	ms	5.1	11.1	9.65	14.63	15.99			
Phase q-axis/d-axis	inductance	mH	8.4/5.7	8.4/4.3	11/8.7	5.8/2.9	4.9/2.6			
Weight: No brake[v	vith brake]	kg	3.46 [4.14]	5.76[7.36]	7.14[8.74]	7.12[8.72]	8.37[9.97]			
Permissible	Radial load	N	392	490	490	490	490			
load	Axial load	N	147	160	160	160	160			
	Rated voltage	V			DC24V±10%					
	Rated current	А	0.42	0.9	0.9	0.9	0.9			
	Brake power	W	10	10	10	10	10			
Brake	Static friction torque	N.m	3.8 or more	14 or more	14 or more	14 or more	14 or more			
specifications	Suction time	ms	70 or less	100 or less	100 or less	100 or less	100 or less			
Note: Holding brake	Release time	ms	20 or less	60 or less	60 or less	60 or less	60 or less			
	Release voltage	V	DC1V or more							

Torque characteristics

X6MG100A ▲

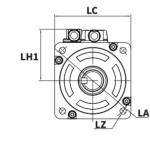
X6MG130A ▲

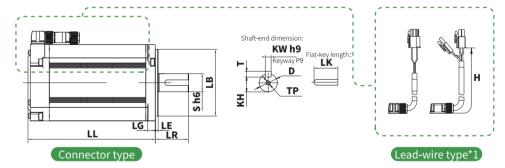
X6MG180A ▲

External Dimensions for Servo Motor

Models	X6MG075A(Lead-wire type)	X6MG085A	X6MG100A	X6MG130A	X6MG180A
LC	80	130	130	130	130
LA	ф90	ф145	ф145	ф145	ф145
LB	ф70	ф110	ф110	ф110	ф110
LZ	4-ф6.6	4-ф9	4-ф9	4-φ9	4-φ9
LR	35	55	55	55	55
S	φ19 h6	ф22 h6	ф22 h6	ф22 h6	ф22 h6
LL no brake [with brake]	134 [177]	156 [176]	156 [176]	170 [190]	184 [204]
LN no brake [with brake]	_	108 [128]	108 [128]	122 [142]	136 [156]
LG	8	12	12	12	12
LE	3	6	6	6	6
LM1 no brake [with brake]	_	144.2[164.2]	144.2 [164.2]	158.2 [178.2]	172.2[192.2]
LM3	_	69	69	83	97
LH1	54	115	115	115	115
LH3	_	60	60	60	60
LK	25	45	45	45	45
Т	6	7	7	7	7
KW	6 h9	8 h9	8 h9	8 h9	8 h9
KH	15.5	18	18	18	18
TP	M5 Depth 12	M6 Depth 20	M6 Depth 20	M6 Depth 20	M6 Depth 20
H type cable length for	210	_	_	_	_

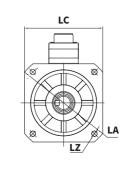
▼ X6MG075A

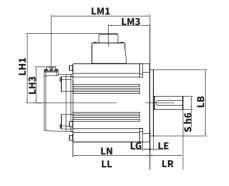


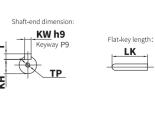


*1: For X6 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

X6MG085A / X6MG100A / X6MG130A / X6MG180A







71

X6MG075A ▲

X6MG085A ▲

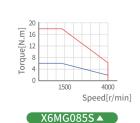
Servo Motor Specifications (850)

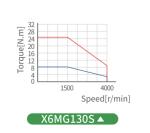


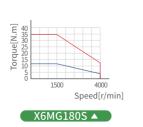
i l	1.3	1.8
1	KW	kW
,	(IXVV	(IXAA

Iten	าร	Unit	X6MG085S	X6MG130S	X6MG180S
Tracea perver		W	850	1300	1800
Rated voltage		V	220	220	220
Fitting flange size		mm	130	130	130
Rated torque		N.m	5.39	8.28	11.5
Instantaneous	max. torque	N.m	16.2	24.84	34.5
Rated speed		r/min	1500	1500	1500
Max. speed		r/min	4000	4000	4000
Rated current		Arms	6.7	9.6	15.6
Instantaneous	max. current	Arms	20.1	28.8	46.8
Moment of	No brake	x10 ⁻⁴ Kg.m ²	13.9	19.9	26
inertia	With brake	x10 ⁻⁴ Kg.m ²	16	22	28.1
Torque consta	nt	N.m/A	0.859	0.891	0.748
Induced voltage cor	Induced voltage constant per phase		31.04	32.08	27
Rated power	No brake	KW/S	20.9	35	50.9
rate	With brake	KW/S	18.2	31.6	47.1
Mechanical	No brake	ms	2.74	2.23	1.95
time constant	With brake	ms	3.16	2.46	2.29
Electrical time	constant	ms	10.2	10.7	11.14
Phase q-axis/d-axis	inductance	mH	_	_	_
Weight: No brake[v	vith brake]	kg	5.7 [7.7]	7.3[9.2]	8.8[11.2]
Permissible	Radial load	N	490	490	490
load	Axial load	N	196	196	196
	Rated voltage	V		DC24V±10%	
	Rated current	А	0.41	0.41	0.41
	Brake power	W	10	10	10
Brake	Static friction torque	N.m	14 or more	14 or more	14 or more
specifications	Suction time	ms	100 or less	100 or less	100 or less
Note: Holding brake	Release time	ms	80 or less	80 or less	80 or less
	Release voltage	V		DC1V or more	

Torque characteristics





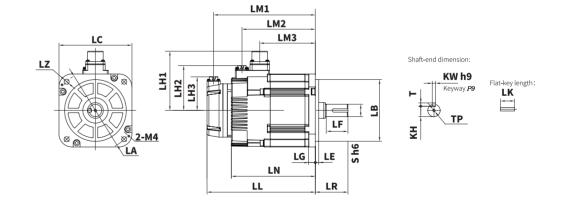


External Dimensions for Servo Motor

Unit(mm)

Models	X6MG085S	X6MG130S	X6MG180S
LC	130	130	130
LA	ф145	ф145	ф145
LB	ф110	ф110	ф110
LZ	4-φ9	4-ф9	4-φ9
LR	58	58	58
S	ф19 h6	φ22 h6	ф24 h6
LL no brake [with brake]	141.1 [177.1]	157.1[193.1]	175.1 [211.1]
LN no brake [with brake]	97.5[133.5]	113.5[149.5]	131.5[167.5]
LG	12	12	12
LE	6	6	6
LF	40	40	40
LM1 no brake [with brake]	129.4[165.4]	145.3[181.3]	163.3 [199.3]
LM2 no brake [with brake]	— [114.5]	— [130.5]	— [148.5]
LM3	83	99	117
LH1	105	105	105
LH2	79.5	79.5	79.5
LH3	60	60	60
LK	25	25	25
Т	5	6	7
KW	5 h9	6 h9	8 h9
KH	16	18.5	20
TP	M5 Depth 16	M5 Depth 16	M5 Depth 16

X6MG085S/X6MG130S/X6MG180S









4	5
KW	KW

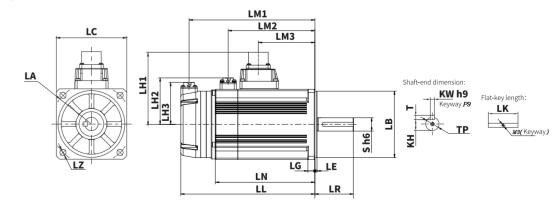
Item	าร	Unit	X6MA100A	X6MA150A	X6MA200A	X6MA300K	X6MA400K	X6MA500K
Rated power		W	1000	1500	2000	3000	4000	5000
Rated voltage		V	380	380	380	380	380	380
Fitting flange size		mm	100	100	100	130	130	130
Rated torque		N.m	3.18	4.77	6.37	9.55	12.7	15.9
Instantaneous	max. torque	N.m	9.55	14.3	15.93	28.65	38.1	47.7
Rated speed		r/min	3000	3000	3000	3000	3000	3000
Max. speed		r/min	5000	5000	5000	5000	5000	5000
Rated current		Arms	4	5.4	6.3	9	13	16
Instantaneous r	max. current	Arms	12	16.5	19	28	40	50
Moment of	No brake	x10 ⁻⁴ Kg.m ²	2.03	2.84	3.68	10.75	14.67	20.3
inertia	With brake	x10 ⁻⁴ Kg.m ²	2.35	3.17	4.01	11.95	15.9	21.5
Torque consta	nt	N.m/A	0.8185	0.879	1	1.053	0.9767	1
Induced voltage cor	stant per phase	mV[r/min]	29.56	31.75	43.88	41.1	38.4	41.4
Rated power	No brake	KW/S	53.3	80.3	132	88.8	111	125
rate	With brake	KW/S	48.2	70.9	94	74.6	97.2	114
Mechanical	No brake	ms	0.589	0.51	0.47	8.78	0.764	0.75
time constant	With brake	ms	0.651	0.57	0.67	0.96	0.868	0.83
Electrical time	constant	ms	6.16	7.09	7.98	11.44	12.17	12.7
Phase q-axis/d-axis	inductance	mH	4.7/4.7	3.73/3.73	4.5/4.5	2.95/2.95	1.66/1.66	1.39/1.39
Weight: No brake[w	vith brake]	kg	3.65 [4.65]	4.6 [5.6]	5.6 [6.6]	10.4 [12]	13.75 [15.35]	18[19.6]
Permissible	Radial load	N	392	392	392	490	490	490
load	Axial load	N	147	147	147	196	196	196
	Rated voltage	V			DC24	/±10%		
	Rated current	А	0.81	0.81	0.81	0.9	0.9	0.9
	Brake power	W	19.5	19.5	19.5	21.5	21.5	21.5
Brake	Static friction torque	N.m	8 or more	8 or more	8 or more	20 or more	20 or more	20 or more
specifications	Suction time	ms	50 or less	50 or less	50 or less	100 or less	100 or less	100 or less
Note: Holding brake	Release time	ms	15 or less	15 or less	15 or less	60 or less	60 or less	60 or less
	Release voltage	V	DC1V or more	DC1V or more				

External Dimensions for Servo Motor

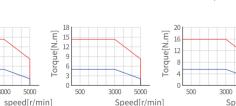
Unit(mm)

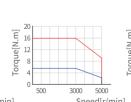
Models	X6MA100A	X6MA150A	X6MA200A	X6MA300K	X6MA400K	X6MA500K
LC	100	100	100	130	130	130
LA	ф115	ф115	ф115	ф145	ф145	ф145
LB	ф95	ф95	ф95	ф110	ф110	ф110
LZ	4-ф9	4-ф9	4-ф9	4-ф9	4-ф9	4-ф9
LR	55	55	55	65	65	65
S	φ19 h6	φ19 h6	φ19 h6	φ24 h6	φ24 h6	φ24 h6
LL (20bit)no brake [with brake]	123.5 [150.5]	142[169]	161[188]	182 [202]	224 [244]	274 [294]
LL (23bit)no brake [with brake]	146[173]	164.5[191.5]	183.5[210.5]	202.5[222.5]	244.5[264.5]	294.5[314.5]
LN no brake [with brake]	96.5[123.5]	115[142]	134[161]	154.5[174.5]	196.5[216.5]	246.5[266.5]
LG	10	10	10	12	12	12
LE	3	3	3	6	6	6
LM1 (20bit)no brake [with brake]	111.5[138.5]	130[157]	149[176]	170[190]	212[232]	262[282]
LM1 (23bit)no brake [with brake]	134[161]	153[180]	171.5[198.5]	190[210]	232.7[252.7]	282.7[302.7]
LM2 (20bit)no brake [with brake]	105	123.5	[142.5]	_	_	_
LM2 (23bit)no brake [with brake]	105	123.5	[142.5]	_	_	_
LM3(20bit)	62	80.5	99.5	115.5	157.5	207.5
LM3(23bit)	62	80.5	99.5	115.5	157.5	207.5
LH1	103	103	103	115	115	115
LH2	66.5	66.5	66.5	_	_	_
LH3(20bit)	55	55	55	56.5	56.5	56.5
LH3(23bit)	60	60	60	60	60	60
LK	42	42	42	51	51	51
Т	6	6	6	7	7	7
KW	6h9	6h9	6h9	8h9	8h9	8h9
KH	15.5	15.5	15.5	20	20	20
TP	M5 Depth 12	M5 Depth 12	M5 Depth 12	M6 Depth 20	M6 Depth 20	M6 Depth 20

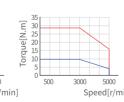
X6MA100A / X6MA150A / X6MA200A / X6MA300K / X6MA400K/X6MA500K

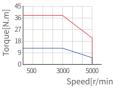


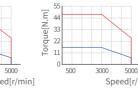
Torque characteristics









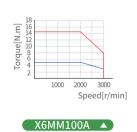


Servo Motor Specifications (KW)

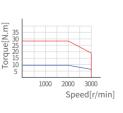
.5	2
w	kW
•••	

Items		Unit	X6MM100A	X6MM150A	X6MM200A
Rated power		W	1000	1500	2000
Rated voltage		V	380	380	380
Fitting flange	size	mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous	max. torque	N.m	12	17.9	23.87
Rated speed		r/min	2000	2000	2000
Max. speed		r/min	3000	3000	3000
Rated current		Arms	3	4.3	5.3
Instantaneous	max. current	Arms	9	13	16
Moment of	No brake	x10 ⁻⁴ Kg.m ²	6.18	9.16	12.1
inertia	With brake	x10 ⁻⁴ Kg.m ²	7.4	10.4	13.3
Torque consta	nt	N.m/A	1.56	1.67	1.8
Induced voltage cor	Induced voltage constant per phase		57.2	61.5	72.17
Rated power	No brake	KW/S	36.9	56	75.4
rate	With brake	KW/S	30.8	49.3	68.6
Mechanical	No brake	ms	1.72	1.34	1.33
time constant	With brake	ms	2.06	1.52	1.47
Electrical time	constant	ms	1.72	12.27	13.9
Phase q-axis/d-axis	inductance	mH	24.1/12.2	18.5/9.45	18/9.3
Weight: No brake[v	vith brake]	kg	4.69[6.29]	5.8 [7.4]	6.88[8.48]
Permissible	Radial load	N	490	490	490
load	Axial load	N	196	196	196
	Rated voltage	V		DC24V±10%	
	Rated current	А	0.9	0.9	0.9
Brake Sta	Brake power	W	22	22	22
	Static friction torque	N.m	14 or more	14 or more	14 or more
specifications	Suction time	ms	100 or less	100 or less	100 or less
Note: Holding brake	Release time	ms	60 or less	60 or less	60 or less
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more
				1	I .

Torque characteristics





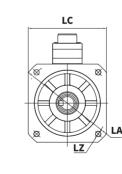


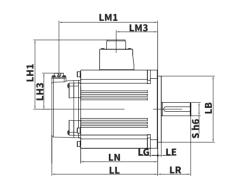
External Dimensions for Servo Motor

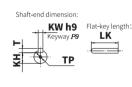
Unit(mm)

Models	X6MM100A	X6MM150A	X6MM200A
LC	130	130	130
LA	ф145	φ145	ф145
LB	ф110	ф110	ф110
LZ	4-ф9	4-ф9	4-ф9
LR	55	55	55
S	ф22 h6	ф22 h6	ф22 h6
LL (20bit)no brake [with brake]	107.5 [127.5]	121.5 [141.5]	135.5[155.5]
LL (23bit)no brake [with brake]	128[148]	142[162]	156 [176]
LN no brake [with brake]	80[100]	94[114]	108[128]
LG	12	12	12
LE	6	6	6
LM1(20bit)no brake [with brake]	95.5[115.5]	109.5[129.5]	123.5[143.5]
LM1(23bit)no brake [with brake]	116.2[136.2]	130.2[150.2]	144.2[164.2]
LM3	41	55	69
LH1	115	115	115
LH3(20bit)	56.5	56.5	56.5
LH3(23bit)	60	60	60
LK	45	45	45
Т	7	7	7
KW	8h9	8h9	8h9
KH	18	18	18
TP	M6 Depth 20	M6 Depth 20	M6 Depth 20

X6MM100A / X6MM150A / X6MM200A







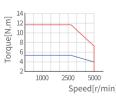
Servo Motor Specifications (kw) 1.5 kw



5	2
w	KW

la			V/MM100C	V/MM1500	V/MM2000
Items		Unit	X6MM100S	X6MM150S	X6MM200S
Rated power		W	1000	1500	2000
Rated voltage		V	380	380	380
Fitting flange	size	mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous	max. torque	N.m	14.31	21.5	28.6
Rated speed		r/min	2000	2000	2000
Max. speed		r/min	5000	5000	5000
Rated current		Arms	4.6	6.7	9
Instantaneous	max. current	Arms	16.2	23.5	31.5
Moment of	No brake	x10 ⁻⁴ Kg.m ²	9.16	12.1	16.85
inertia	With brake	x10 ⁻⁴ Kg.m ²	10.4	13.3	18.05
Torque consta	nt	N.m/A	1.03	1.07	1.06
Induced voltage constant per phase		mV[r/min]	38.2	40.4	38.1
Rated power No brake		KW/S	24.9	42.4	54.1
	With brake	KW/S	21.9	38.6	50.7
Mechanical No brake		ms	1.29	1.15	0.97
time constant	With brake	ms	1.47	1.26	1.04
Electrical time	constant	ms	11.8	13.9	19.4
Phase q-axis/d-axis	inductance	mH	6.62/3.93	5.6/2.8	4.67/2.37
Weight: No brake[v	vith brake]	kg	5.87 [7.47]	6.98 [8.58]	6.91[10.1]
Permissible	Radial load	N	490	490	490
load	Axial load	N	196	196	196
	Rated voltage	V		DC24V±10%	
	Rated current	А	0.9	0.9	0.9
	Brake power	W	21.5	21.5	21.5
Brake	Static friction torque	N.m	14 or more	14 or more	14 or more
specifications	Suction time	ms	100 or less	100 or less	100 or less
Note: Holding brake	Release time	ms	60 or less	60 or less	60 or less
R	Release voltage	V	DC1V or more	DC1V or more	DC1V or more

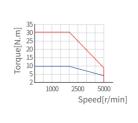
Torque characteristics









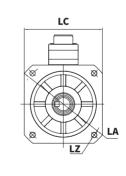


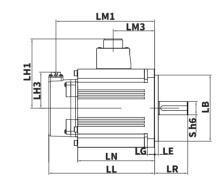
External Dimensions for Servo Motor

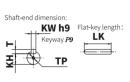
Unit(mm)

Models	X6MM100S	X6MM150S	X6MM200S
LC	130	130	130
LA	ф145	ф145	ф145
LB	ф110	ф110	ф110
LZ	4-φ9	4-ф9	4-φ9
LR	55	55	55
S	ф22 h6	ф22 h6	ф22 h6
LL (20bit)no brake [with brake]	121.5[141.5]	135.5[155.5]	163.5[183.5]
LL (23bit)no brake [with brake]	142[162]	156 [176]	184 [204]
LN no brake [with brake]	94[114]	108[128]	136[156]
LG	12	12	12
LE	6	6	6
LM1(20bit)no brake [with brake]	109.5[129.5]	123.5 [143.5]	151.5[171.5]
LM1(23bit)no brake [with brake]	130.2[150.2]	144.2[164.2]	172.2[192.2]
LM3	55	69	97
LH1	115	115	115
LH3(20bit)no brake [with brake]	56.5	56.5	56.5
LH3(23bit)no brake [with brake]	60	60	60
LK	45	45	45
Т	7	7	7
KW	8h9	8h9	8h9
KH	18	18	18
TP	M6 Depth 20	M6 Depth 20	M6 Depth 20

X6MM100S / X6MM150S / X6MM200S







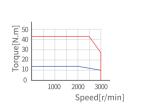


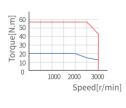


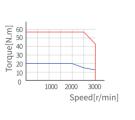
5	7.5
KW	KW

la		11.2	V/14/10004	×4444004	V/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	V() () (TEQ)	V/\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Iten	ns	Unit	X6MM300A	X6MM400A	X6MM500A	X6MM750A	X6MM750H
Rated power		W	3000	4000	5000	7500	7500
Rated voltage		V	380	380	380	380	380
Fitting flange:	size	mm	180	180	180	180	180
Rated torque		N.m	14.3	19.1	23.9	47.8	47.8
Instantaneous	max. torque	N.m	42.9	57.3	71.6	119.4	119.4
Rated speed		r/min	2000	2000	2000	1500	1500
Max. speed		r/min	3000	3000	3000	2500	3000
Rated current		Arms	8.7	11.5	13.5	21.8	25.3
Instantaneous	max. current	Arms	30	38	45	75	65.8
Moment of	No brake	x10 ⁻⁴ Kg.m ²	43.5	54.7	66.7	99.3	136.4
inertia	With brake	x10 ⁻⁴ Kg.m ²	63.2	68	80.8	114.2	150.8
Torque consta	nt	N.m/A	1.8	1.82	2.04	2.5	2.1
Induced voltage cor	nstant per phase	mV[r/min]	62.9	63.5	71.3	87.2	74.3
Rated power	No brake	KW/S	47.2	66.7	85.5	230.1	167.5
rate	With brake	KW/S	32.5	53.6	70.5	200.1	151.5
Mechanical	No brake	ms	1.4	1.29	1.10	0.82	0.96
time constant	With brake	ms	2.03	1.61	1.33	0.94	1.06
Electrical time	constant	ms	18.7	19	21.7	20	26.9
Phase q-axis/d-axis	inductance	mH	5.8	4.4	4.5	3.1	2.5
Weight: No brake[v	vith brake]	kg	14.3 [19]	16.5 [21.2]	19.4 [24.1]	25[29.7]	28.2[32.9]
Permissible	Radial load	N	784	784	784	2058	2058
load	Axial load	N	343	343	343	980	980
	Rated voltage	V			DC24V±10%		
	Rated current	А	1.04	1.04	1.04	1.04	1.04
	Brake power	W	25	25	25	25	25
Brake	Static friction torque	N.m	74 or more	74 or more	74 or more	74 or more	74 or more
specifications	Suction time	ms	120 or less	120 or less	120 or less	120 or less	120 or less
Note: Holding brake	Release time	ms	30 or less	30 or less	30 or less	30 or less	30 or less
	Release voltage	V		1	DC0.5 or more	I	
	1	1					

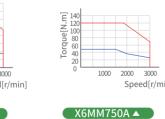
Torque characteristics

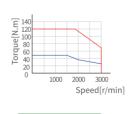












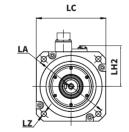
X6MM750H ▲

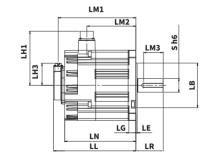
External Dimensions for Servo Motor

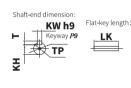
Unit(mm)

Models	X6MM300A	X6MM400A	X6MM500A	X6MM750A	Х6ММ750Н
LC	180	180	180	180	180
LA	200	200	200	200	200
LB	φ114.3 h7	φ114.3 h7	ф114.3 h7	ф114.3 h7	ф114.3 h7
LZ	4-ф13.5	4-ф13.5	4-φ13.5	4-φ13.5	4-φ13.5
LR	70±0.5	70±0.5	70±0.5	113±0.5	113±0.5
S	ф35 h6	ф35 h6	ф35 h6	ф42 h6	φ42 h6
LL (20bit) no brake [with brake]	159±1[211±1]	173±1[225±1]	188±1[240±1]	230±1[282±1]	253±1[305±1]
LL (23bit) no brake [with brake]	172±1[231.5±1]	186±1[245.5±1]	201±1[260.5±1]	243±1[302.5±1]	266±1[325.5±1]
LN no brake [with brake]	128[182.5]	142[196.5]	157[211.5]	199[253.5]	222[276.5]
LG	18	18	18	18	18
LE	3.2	3.2	3.2	3.2	3.2
LM1 (20bit) no brake [with brake]	147[199]	161[213]	176[228]	218[270]	241[293]
LM1 (23bit) no brake [with brake]	160[220]	174[234]	189[248.7]	231[291]	254[314]
LM2 no brake [with brake]	107[125.8]	121[139.8]	136[154.8]	178[196.8]	201[219.8]
LM3	50	50	50	90	90
LH1 no brake [with brake]	144[138.6]	144[138.6]	144[138.6]	144[138.6]	144[138.6]
LH2	105.3	105.3	105.3	105.3	105.3
LH3 (20bit) no brake [with brake]	55[56.4]	55[56.4]	55[56.4]	55[56.4]	55[56.4]
LH3(23bit) no brake [with brake]	60[59.8]	60[59.8]	60[59.8]	60[59.8]	60[59.8]
LK	50	50	50	90	90
Т	8	8	8	8	8
KW	10 h9	10 h9	10 h9	12 h9	12 h9
KH	30	30	30	37	37
TP	M12 Depth 25	M12 Depth 25	M12 Depth 25	M16 Depth 32	M16 Depth 32

X6MM300A/X6MM400A/X6MM500A/X6MM750A/X6MM750H







Servo Motor Specifications [1] [15] [KW]

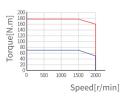




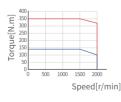
_	
5	22
	KW

Rated power Rated voltage Fitting flange size Rated torque	١	Unit kW	X6MM11KA	X6MM15KA	X6MM22KA
Rated voltage Fitting flange size	١		11		
Fitting flange size		./		15	22
	r	V	380	380	380
Rated torque		mm	220	220	220
Instantaneous max. torque Rated speed Max. speed		N.m	70	96	140
Instantaneous max	x. torque	N.m	175	239	350
Rated speed	r	r/min	1500	1500	1500
Max. speed	r	r/min	2000	2000	2000
Rated current	F	Arms	32.3	38.2	54.5
Instantaneous max	current	Arms	80.8	99.3	141.7
Moment of No	brake >	x10 ⁻⁴ Kg.m ²	251.8	327.6	481.2
inertia Wi	ith brake >	x10 ⁻⁴ Kg.m ²	314	390.7	543.8
Torque constant	1	N.m/A	2.5	2.6	2.79
Induced voltage constant	t per phase r	mV[r/min]	87.6	90.4	97.4
Rated power No	brake	KW/S	194.6	281.3	407.3
rate Wi	ith brake	KW/S	156.1	235.9	360.4
Mechanical No	brake r	ms	0.75	0.66	0.65
Mechanical No brake ms time constant With brake ms Electrical time constant ms 2	0.9	0.78	0.74		
Electrical time con	stant r	ms	22.4	22.5	21.6
Phase q-axis/d-axis inductance		mH	1.27	0.91	0.69
Weight: No brake[with b	orake]	kg	65.6 [76.7]	79.4 [92.5]	107.3 [122]
Permissible Ra	dial load	N	2254	2254	2254
load Ax	ial load	N	686	686	686
Rat	ted voltage	V		DC24V±10%	
Rat	ted current	A	3.6	3.6	4.4
Brake	ke power \	W	88(20°C)	88(20°C)	106(20°C)
specifications Startor	tic friction que	N.m	150 or more	150 or more	150 or more
·		ms	300 or less	300 or less	300 or less
	ease time r	ms	150 or less	150 or less	150 or less
Rel	ease voltage \	V		DC1V or more(20°C)	
Rat	ted voltage	V		AC220~240	
	x. current	A	0.320	0.320	0.320
Specifications Max	x. power	W	43	43	43
sp	eed r	r/min	4300	4300	4300

Torque characteristics







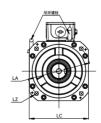
X6MM11KA ▲

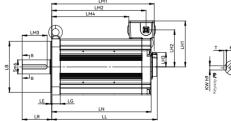
External Dimensions for Servo Motor

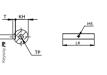
Unit(mm)

Models	X6MM11KA	X6MM15KA	X6MM22KA
LC	220	220	220
LA	235	235	235
LB	ф200 h7	ф200 h7	ф200 h7
LZ	4-φ13.5	4-φ13.5	4-φ13.5
_R	116±1	116±1	116±1
S	φ55 m6	φ55 m6	ф55 m6
LL (20bit) no brake [with brake]	351[424]	510[583]	628[707]
L (23bit) no brake [with brake]	371.5[444.5]	510[583]	628[707]
_N no brake [with brake]	327[400]	-	-
.G	32	32	32
.E	4	4	4
_M1 (20bit) no brake [with brake]	339[412]	398[471]	516[595]
_M1 (23bit) no brake [with brake]	360[433]	398[471]	516[595]
_M2 with brake	380	437	561
_M3	98	98	98
.M4no brake [with brake]	239[312]	297[370]	415[494]
.M5	-	105	105
.M6no brake [with brake]	-	483[556]	601[680]
.H1	180	189	189
_H2 with brake	145	154	154
.H3(20bit)no brake [with brake]	56	103	103
.H3(23bit)no brake [with brake]	60	103	103
.H4	-	99	99
.H5	-	240	240
.D	-	254	254
.K	90	90	90
ī	10	10	10
(W	16P9	16P9	16P9
(H	49	49	49
ГР	M20 Depth 40	M20 Depth 40	M20 Depth 40

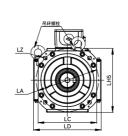
▼ X6MM11KA

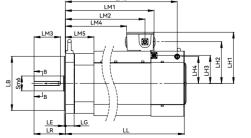


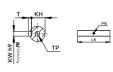




▼ X6MM15KA/X6MM22KA







Servo Motor Specifications (2) (4) (KW)

Item	ıs	Unit	X6MH200A	X6MH400A		
Rated power		W	2000	4000		
Rated voltage		V	380	380		
Fitting flange s	ize	mm	180	180		
Rated torque		N.m	9.55	19.1		
Instantaneous	max. torque	N.m	28.6	57.3		
Rated speed		r/min	2000	2000		
Max. speed		r/min	3000	3000		
Rated current		Arms	5.8	11.5		
Instantaneous r	nax. current	Arms	19	38		
Moment of	No brake	x10 ⁻⁴ Kg.m ²	31.4	101.7		
	With brake	x10 ⁻⁴ Kg.m ²	44.6	115		
Torque constant		N.m/A	1.83	1.82		
Induced voltage con	stant per phase	mV[r/min]	63.9	63.5		
Rated power	No brake	KW/S	29	35.9		
rate	With brake	KW/S	20.4	31.7		
Mechanical	No brake	ms	1.86	2.40		
time constant	With brake	ms	2.64	2.71		
Electrical time	constant	ms	15.2	19		
Phase q-axis/d-axis	inductance	mH	9.5	4.5		
Weight: No brake[w	rith brake]	kg	12.7 [17.4]	17.8 [24]		
Permissible	Radial load	N	784	784		
load	Axial load	N	343	343		
	Rated voltage	V	DC24	V±10%		
	Rated current	А	1.04	1.04		
	Brake power	W	25	25		
Brake	Static friction torque	N.m	74 or more	74 or more		
specifications	Suction time	ms	120 or less	120 or less		
Note: Holding brake	Release time	ms	30 or less	30 or less		
	Release voltage	V	DC0.5V	or more		

Torque characteristics

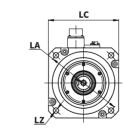


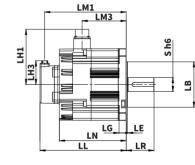
External Dimensions for Servo Motor

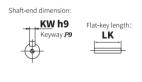
Unit(mm)

Models	X6MH200A	X6MH400A
LC	180	180
LA	200	200
LB	φ114.3 h7	φ114.3 h7
LZ	4-ф13.5	4-ф13.5
LR	70±0.5	70±0.5
S	ф35 h6	ф35 h6
LL (20bit) no brake [with brake]	144±1[196±1]	191±1[243±1]
LL (23bit) no brake [with brake]	157±1[216.5±1]	204±1[263.5±1]
LN no brake [with brake]	113[167.5]	160[214.5]
LG	18	18
LE	3.2	3.2
LM1 (20bit) no brake [with brake]	132[184]	179[231]
LM1 (23bit) no brake [with brake]	145[205]	192[252]
LM2 no brake [with brake]	92[110.8]	139[157.8]
LM3	50	50
LH1 no brake [with brake]	144[138.6]	144[138.6]
LH2	105.3	105.3
LH3 (20bit) no brake [with brake]	55[56.4]	55[56.4]
LH3(23bit) no brake [with brake]	60[59.8]	60[59.8]
LK	50	50
Т	8	8
KW	10 h9	10 h9
KH	30	30
TP	M12 Depth 25	M12 Depth 25

▼ X6MH200A / X6MH400A







Servo Motor Specifications (850) (1.3) (1.3)



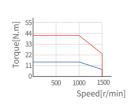


$\overline{}$	
1.5	18
	1.0
KW	(KW)

		-	IXV KV			
Iten	าร	Unit	X6MG085A	X6MG150C		
Rated power		W	850	1500		
Rated voltage		V	380	380		
Fitting flange size		mm	130	130		
Rated torque		N.m	5.41	14.3		
Instantaneous	max. torque	N.m	16.2	42		
Rated speed		r/min	1500	1000		
Max. speed		r/min	3000	1500		
Rated current		Arms	4	5		
Instantaneous	max. current	Arms	14	15		
Moment of	No brake	x10 ⁻⁴ Kg.m ²	14	20.8		
inertia	With brake	x10 ⁻⁴ Kg.m ²	15.2	22		
Torque consta	nt	N.m/A	1.316	2.89		
Induced voltage cor	Induced voltage constant per phase		48.78	106		
Rated power	No brake	KW/S	21.1	77.4		
rate	With brake	KW/S	18.3	71.9		
Mechanical	No brake	ms	3.37	1.34		
time constant	With brake	ms	4.29	1.44		
Electrical time	constant	ms	11.7	15.3		
Phase q-axis/d-axis	inductance	mH	20.14/10.27	23/12		
Weight: No brake[v	vith brake]	kg	5.68 [7.28]	10.45[12.05]		
Permissible	Radial load	N	490	490		
Rated voltage Fitting flange size Rated torque Instantaneous ma Rated speed Max. speed Rated current Instantaneous max Moment of inertia W Torque constant Induced voltage constant Rated power rate W Mechanical time constant W Electrical time con Phase q-axis/d-axis indu Weight: No brake[with I Permissible load Ra Ra Brake Stepecifications Note: Holding brake Rei	Axial load	N	196	196		
	Rated voltage	V	DC24V±10%	DC24V±10%		
	Rated current	А	0.9	0.9		
	Brake power	W	21.6	21.5		
	Static friction torque	N.m	14 or more	20 or more		
	Suction time	ms	100 or less	100 or less		
Note: Holding brake	Release time	ms	60 or less	60 or less		
	Release voltage	V	DC1V or more	DC1V or more		

Torque characteristics



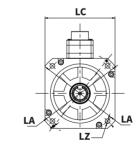


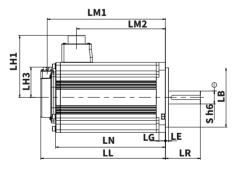
X6MG150C ▲

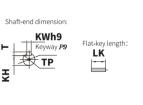
External Dimensions for Servo Motor

Unit(mm)

Models	X6MG085A	X6MG150C
LC	130	130
LA	ф145	ф145
LB	ф110	ф110
LZ	4-ф9	4-φ9
LR	55	55
S	ф22 h6	ф22h6
LL (20bit) no brake [with brake]	135.5[155.5]	182[202]
LL (23bit) no brake [with brake]	156[176]	202.5[222.5]
LN no brake [with brake]	108[128]	155.5[174.5]
LG	12	12
LE	6	6
LM1 (20bit) no brake [with brake]	123.5[143.5]	170[190]
LM1 (23bit) no brake [with brake]	144.2[164.2]	190.5[210.7]
LM2 no brake [with brake]	69	_
LM3	-	115.5
LH1 no brake [with brake]	115	115.5
LH2	_	_
LH3 (20bit) no brake [with brake]	56.5	56.5
LH3(23bit) no brake [with brake]	60	60
LK	45	45
Т	7	7
KW	8 h9	8 h9
KH	18	18
TP	M6 Depth 20	M6 Depth 20







Note *1: Under development.

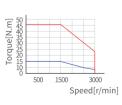
Servo Motor Specifications 2.4 KW KW KW 5.5 KW



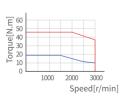


Item	s	Unit	X6MG240A*1	X6MG290A	X6MG440A	X6MG550A				
Rated power		W	2400	2900	4400	5500				
Rated voltage		V	380	380	380	380				
Fitting flange s	ize	mm	130	180	180	180				
Rated torque		N.m	15.2	18.6	28.4	35				
Instantaneous	max. torque	N.m	45.8	46.5	71.1	87.5				
Rated speed		r/min	1500	1500	1500	1500				
Max. speed		r/min	3000	3000	3000	3000				
Rated current		Arms	10	10	15.7	19.5				
Instantaneous n	nax. current	Arms	30	26	41	51				
Moment of	No brake	x10 ⁻⁴ Kg.m ²	31.3	47.2	68.6	91.4				
inertia	With brake	x10 ⁻⁴ Kg.m ²	32.5	62.3	83.7	106.5				
Torque constar	nt	N.m/A	1.52	2.01	2.13	1.98				
Induced voltage con	Induced voltage constant per phase		59.9	70.2	74.2	69.6				
Rated power	No brake	KW/S	123	73.3	117.6	134.2				
rate	With brake	KW/S	116	55.5	96.4	115.1				
Mechanical	No brake	ms	0.669	1.37	1.18	1.07				
time constant	With brake	ms	0.712	1.81	1.44	1.25				
Electrical time	constant	ms	20	19.2	19.9	22.9				
Phase q-axis/d-axis i	nductance	mH	6.2/3.1	6.7	4.7	3.2				
Weight: No brake[w	ith brake]	kg	14.1[15.7]	16[20.7]	19.4 [24.1]	23.9[28.5]				
Permissible	Radial load	N	490	1470	1470	1764				
load	Axial load	Ν	196	490	490	588				
	Rated voltage	V		DC24	V±10%					
	Rated current	А	0.9	1.04	1.04	1.04				
	Brake power	W	22	25	25	25				
Brake	Static friction torque	N.m	15.2 or more	74 or more	74 or more	74 or more				
specifications	Suction time	ms	100 or less	120 or less	120 or less	120 or less				
Note: Holding brake	Release time	ms	60 or less	30 or less	30 or less	30 or less				
	Release voltage	V	DC0.5 or more							

Torque characteristics

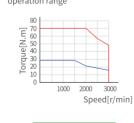




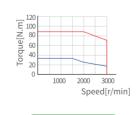


Instantaneous ——







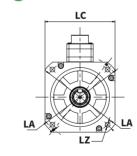


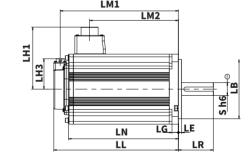
External Dimensions for Servo Motor

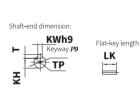
Unit(mm)

Models	X6MG240A*1	X6MG290A	X6MG440A	X6MG550A
LC	130	180	180	180
LA	ф145	200	200	200
LB	ф110	ф114.3 h7	φ114.3 h7	ф114.3 h7
LZ	4-φ9	4-φ13.5	4-φ13.5	4-ф13.5
LR	65	79±0.5	79±0.5	113±0.5
S	ф24 h6	ф35 +0.01	ф35 +0.01	ф42 h6
LL (20bit) no brake [with brake]	231.5[251.5]	165±1[217±1]	191±1[243±1]	220±1[272±1]
LL (23bit) no brake [with brake]	252[272]	178±1[237.5±1]	204±1[263.5±1]	233±1 [292.5±1]
LN no brake [with brake]	204[224]	134[188.5]	160[214.5]	189[243.5]
LG	12	18	18	18
LE	6	3.2	3.2	3.2
LM1 (20bit) no brake [with brake]	219.5[239.5]	153[205]	179[231]	208[260]
LM1 (23bit) no brake [with brake]	240.2[260.2]	166[226]	192[252]	221[281]
LM2 no brake [with brake]	165[165]	113[131.8]	139[157.8]	168[186.8]
LM3	_	60	60	90
LH1 no brake [with brake]	115	144[139]	144[139]	144[139]
LH2	_	105.3	105.3	105.3
LH3 (20bit) no brake [with brake]	56.5	55[56]	55[56]	55[56]
LH3 (23bit) no brake [with brake]	60	60	60	60
LK	51	60	60	90
Т	7	8	8	8
KW	8 h9	10 p9	10 p9	12 p9
KH	20	30	30	37
TP	M6 Depth 20	M12 Depth 25	M12 Depth 25	M16 Depth 32

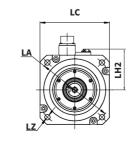
▼ X6MG240A

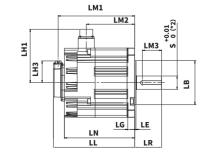


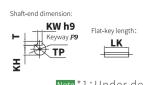




X6MG290A / X6MG440A/ X6MG550A







Note *1: Under development. *2:Shaft difference for X6MG550A is h6 Servo Motor Specifications (850) (1.3) (1.8) (1.8)



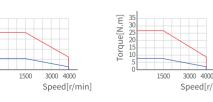


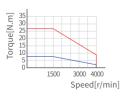


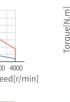
2.9	4.4
KW	KW

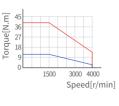
lten	ns	Unit	X6MG085S	X6MG130S	X6MG180S	X6MG290S	X6MG440S
Rated power		W	850	1300	1800	2900	4400
Rated voltage		V	380	380	380	380	380
Fitting flange	size	mm	130	130	130	180	180
Rated torque		N.m	5.4	8.28	11.46	18.6	28.4
Instantaneous	max. torque	N.m	18.9	29	40	55.8	71.1
Rated speed		r/min	1500	1500	1500	1500	1500
Max. speed		r/min	4000	4000	4000	4000	4000
Rated current		Arms	4.2	5.93	8.3	13.5	20.3
Instantaneous	max. current	Arms	14.7	20.7	29	44.5	53
Moment of	No brake	x10 ⁻⁴ Kg.m ²	13.76	20.21	26.37	47.2	68.6
	With brake	x10 ⁻⁴ Kg.m ²	14.96	21.41	27.57	62.3	83.7
Torque consta	nt	N.m/A	1.3	1.39	1.38	1.51	1.6
Induced voltage co	nduced voltage constant per phase		46.5	48.88	46.38	52.5	56
Rated power	No brake	KW/S	24	37.6	53.8	73.3	117.6
rate	With brake	KW/S	18.3	31.1	46.7	55.5	96.4
Mechanical	No brake	ms	2.72	2.2	2	1.38	1.15
time constant	With brake	ms	3.57	2.66	2.41	1.82	1.4
Electrical time	constant	ms	3.52	4.46	4.64	18.5	18.3
Phase q-axis/d-axis	inductance	mH	5.55/5.55	3.88/3.88	2.83/2.83	3.7	2.4
Weight: No brake[v	vith brake]	kg	5.8 [7.4]	7.25 [8.9]	8.95 [10.6]	16 [20.7]	19.4 [24.1]
Permissible	Radial load	N	490	490	490	1470	1470
load	Axial load	N	196	196	196	490	490
	Rated voltage	V		DC24V±10%			
	Rated current	А	0.9	0.9	0.9	1.04	1.04
	Brake power	W	19.59	19.59	19.59	25	25
Brake	Static friction torque	N.m	14 or more	14 or more	14 or more	74 or more	74 or more
specifications	Suction time	ms	100 or less	100 or less	100 or less	120 or less	120 or less
Note: Holding brake	Release time	ms	60 or less	60 or less	60 or less	30 or less	30 or less
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more	DC0.5V or more	DC0.5V or more

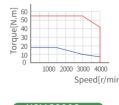
Torque characteristics

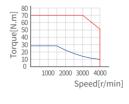










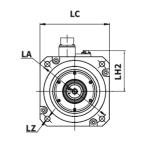


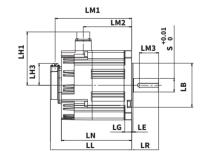
External Dimensions for Servo Motor

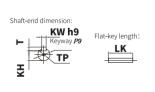
Unit(mm)

Models	X6MG085S	X6MG130S	X6MG180S	X6MG290S	X6MG440S
LC	130	130	130	180	180
LA	ф145	ф145	ф145	200	200
LB	φ110h7	φ110h7	φ110h7	ф114.3 h7	ф114.3 h7
LZ	4-ф9	4-ф9	4-ф9	4-ф13.5	4-φ13.5
LR	55	55	55	79±0.5	79±0.5
S	ф22 h6	ф22 h6	ф22 h6	ф35 0 +0.01	ф35 0 +0.01
LL (20bit) no brake [with brake]	121.5 [141.5]	135.5 [155.5]	159.4 [179.4]	165±1[217±1]	191±1[243±1]
LL (23bit) no brake [with brake]	142 [162]	156 [176]	179.9 [199.9]	178±1[237.5±1]	204±1[263.5±1]
LN no brake [with brake]	94[114]	108[128]	131.9[151.9]	134[188.5]	160[214.5]
LG	12	12	12	18	18
LE	6	6	6	3.2	3.2
LM1 (20bit) no brake [with brake]	109.5[129.5]	123.5[143.5]	147.4[167.4]	153[205]	179[231]
LM1 (23bit) no brake [with brake]	130.2[150.2]	144.2[164.2]	168.1[188.1]	166[226]	192[252]
LM2	[97.9]	[111.9]	[135.8]	113[131.8]	139[157.8]
LM3	64.1	80	103	60	60
LH1	103.8	103.8	103.8	144[139]	144[139]
LH2	[81.4]	[81.4]	[81.4]	105.3	105.3
LH3 (20bit) no brake [with brake]	56.4	56.4	56.4	55[56]	55[56]
LH3 (23bit) no brake [with brake]	60	60	60	60	60
LK	45	45	45	60	60
Т	7	7	7	8	8
KW	8 h9	8 h9	8 h9	10 p9	10 p9
KH	18	18	18	30	30
TP	M6 Depth 20	M6 Depth 20	M6 Depth 20	M12 Depth 25	M12 Depth 25

X6MG085S/X6MG130S/X6MG180S/X6MG290S/X6MG440S

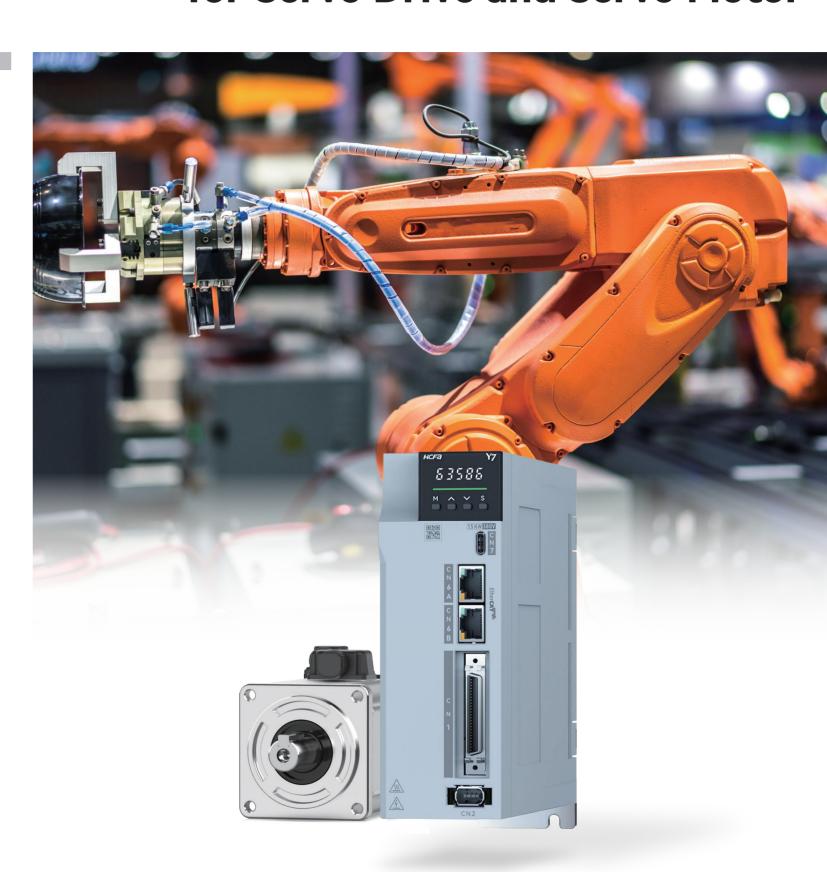






for Servo Drive and Servo Motor

MEMO I







Series		Model name	20	bit	Brake	Oileas	Flance	Shaft	Regular	Applicable	Series	Power	[]Control mode [A] Puls	e control / [B] EtherCAT / [K]MECHA	TROLINK-III / [R] Profinet	Power	
Series name	Power	моцет пате	Absolute	Incremental	Yes No	Oil Seat	Flange	diamete	Regular models	accessories	name	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications	
	100W	SV-X2MA010A-N2LA			•		40	ф8	Lead-wire	202		100W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase	
	10000	SV-X2MA010A-B2LA			•		40	Ψο	type	20233		10000	1114-1714[]0407-5	1114-1712[]040A-3	1111-171 [] 0 1 07-3	AC220V	
		SV-X2MA020A-N2CA			•					0 3							
	200W	SV-X2MA020A-B2CA			•		60	d1	Connector	069		200W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase	
	2000	SV-X2MA020A-N2CN			•		00	ф14	-type	2 6		20000	11N-17N []040A-3	11N-17L[]040A-3	1111-17F[]040A-3	AC220V	
		SV-X2MA020A-B2CN			•					26							
		SV-X2MA040A-N2CA			•					0 6 9							
	400W	SV-X2MA040A-B2CA		•	•		60	ф14	Connector	069		400W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase	
	40000	SV-X2MA040A-N2CN			•		00	Ψ14	-type	2 6		40000	HIN-171N[]040A-S	HIV-17E[]040A-3	ПIN-Y7F[]U4UA-S	AC220V	
		SV-X2MA040A-B2CN			•					26							
		SV-X2MA060E-N2LA			•	•		110	ф19		0 0 3						
	600W	SV-X2MA060E-B2LA			•			Ψ17	Aviation	11 12 14 31		600W	HN-Y7N[]075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	Single-phase	
	0000	SV-X2MA060E-N2LN			•		110	ф10	connector	① ②		0000		TIN-TIE[]013A-3	1111-111 []015/A-5	AC220V	
		SV-X2MA060E-B2LN			•			ф19		10 12 14							
		SV-X2MA075A-N2CA			•				Connector	0 6 9							
750\	750\\	SV-X2MA075A-B2CA			•		80	ф19		1 6 3		750W	HN-Y7N[]075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	Single-phase	
	13000	SV-X2MA075A-N2CN			•		00	-type	-type	2 6		13000	11N-11N[]015A-5	TIN-TILL JUISA-S	1111-111 []013A-3	AC220V	
X2-MA		SV-X2MA075A-B2CN			•					26	X2-MA Low	٨					
Low		SV-X2MA090E-N2LN			•		110	ф19	Aviation	0 0 3							
Inertia Series	900W	SV-X2MA090E-B2LN			•			Ψ17	connector	10 12 14 31	Inertia Series	900W	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase	
Series	900W	SV-X2MA090E-N2LA			•		110	Ф19	Aviation	① ②	Series	5 30000	1111111[]100/(3	111/11/2[]100//3	1111-111 [] 100/4-3	AC220V	
		SV-X2MA090E-B2LA	•		•			Ψ17	connector	1 1 1 1							
		SV-X2MA100A-N2LA			•					① ② ③							
	1kW	SV-X2MA100A-B2LA			•		100	ф19	Aviation	1 1 1 1 1 1		1kW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase	
	INVV	SV-X2MA100A-N2LN			•		100	Ψ17	connector	0 0		INVV	11N-17N [] 100A-3	1114-17E[]100A-3	1111-111 [] 100/4-3	AC220V	
		SV-X2MA100A-B2LN			•					1 1 1 1							
		SV-X2MA120E-N2LA			•		110	ф19	Aviation	0 0 3							
	1.2kW	SV-X2MA120E-B2LA			•			Ψ17	connector	11 12 14 31		1.2kW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	Three-phase	
	1.2800	SV-X2MA120E-N2LN			•		110	ф19	Aviation	① ②		1.25	11N-17N [] 130A-3		1110-171 [] 1307-3	AC220V	
		SV-X2MA120E-B2LN			•			Ψ17	connector	1 1 1 1							
		SV-X2MA150E-N2LA			•		110	Ф19	Aviation	0 0 3							
		SV-X2MA150E-B2LA			•		110	Ψ19	connector	10 12 14 31			HN-Y7N[]150A-S	UN V7E [] 1504 C	HN-Y7F[]150A-S	Three-phase	
		SV-X2MA150E-N2LN		•	•		110	ф19	Aviation	① ②				HN-Y7E[]150A-S	UIN-11-[] T304-2	AC220V	
	1.5kW	SV-X2MA150E-B2LN			•		110	ΨΙ	connector	1 1 1 1		1.5kW					
	T.SKVV	SV-X2MA150A-N2LA			•					0 0 3		T.SKVV					
		SV-X2MA150A-B2LA			•		100	ф10	Aviation	0 0 0 0			HN V7N [11EAA C	HN V7E [] 1504 C	HN-Y7F[]150A-S	Three-phase	
		SV-X2MA150A-N2LN		•	•		• 100	ф19	connector	① ②			HN-Y7N []150A-S HN-Y7E []150A-S	UIN-11-[] 130A-2	AC220V		
		SV-X2MA150A-B2LN			•					0 0 0							

Accessories specifications for connector-type servo motors of flange 40 to 80

- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- **5** SVCAB-PWR075CA-***L-05
- 6 SVCAB-PWB075CA-***L-05

- Incremental encoder cable UVW power cable(no brake)
- 50W to 100W UVW power cable(with brake) 50W to 100W
- UVW power cable(no brake) 200W to 1KW
- UVW power cable(with brake) 200W to 1KW

Aviation connector specifications for servo motor of flange 100&130&180

- ENC-TE-LW 1KW Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW 4-core power aviation connector, for flange 100&130
- B PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW 2-core brake power connector
- 15 PWR-CON 7.5KW 4-core power aviation connector, for flange 180

Accessories specifications for lead-wire type servo motor of flange 40 to 80

- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector) 21 ENC-TE 750W
- 22 PWR-CON 750W 4-hole power plastic connector
- 23 PWB-CON 750W 2-hole power brake plastic connector

Other accessories specifications

31 SV-BAT Absolute battery box







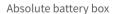
Series name		Madalmana	20	bit	Bra	ake	0:11		Shaft	Regular	Applicable	Serie	S Power	[]Control mode [A] Pulse	e control / [B] EtherCAT / [K]MECH	ATROLINK-III / [R] Profinet	Power	Neter
name	Power	Model name	Absolute	Increment	tal Yes	No	Oil seal	Flange	diameter	Regular models	accessories	nam	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications	Notes
	1.01.14	SV-X2MA180E-N2LA				•		110	ф19	Aviation	0 0 0							
		SV-X2MA180E-B2LA			•			110	Ψ19	connector	1 1 1 1 1		1.01.14	LINI V7NI [] 2004 C	LINLY75 [1200A C	LINLY775[] 2004 C	Three-phase	إ
X2-MA	1.8kW	SV-X2MA180E-N2LN				•		110	410	Aviation	① ②	X2-M/	1.8kW	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	AC220V	
Low		SV-X2MA180E-B2LN		_	•			110	Ф19	connector	1 1 1 1	Low						
Inertia		SV-X2MA200A-N2LA				•					① ②	Inerti	а					
Series	2kW	SV-X2MA200A-B2LA			•			100	ф19	Aviation	1 1 1 1 1 1	Serie	s 2kW	1 1000 1 1000 1	LINI VZE [] 2004 C	LINI \/7E[] 2004 C	Three-phase	_
	2KW	SV-X2MA200A-N2LN				•	•	100	Ψ19	connector	① ②		ZKVV	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	AC220V	
		SV-X2MA200A-B2LN			•						10 10 14							
		SV-X2MM100A-N2LA				•					1 1 2 3							
	1kW	SV-X2MM100A-B2LA			•			130	ф22	Aviation connector	1 1 3		1kW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase	ا
	IKVV	SV-X2MM100A-N2LN				•					① ②		IKVV		HIV-11E[]100A-3	nin-t/r[]100A-S	AC220V	
III CI CI CI CI		SV-X2MM100A-B2LN			•						① ③							
		SV-X2MM150A-N2LA				•				Aviation	1 1 1 1	X2-MI			HN-Y7E[]150A-S HN-Y7F[]150A-S			
	1.5kW	SV-X2MM150A-B2LA			•			130 \$\phi_{22}	фээ		1 1 3	Middl	4 51344	LINI V7NI [] 1E0A C		LINI V7F[] 1F0A C	Three-phase	ا
	1.5KW	SV-X2MM150A-N2LN				•		130	ΨΖΖ	connector	① ②	Inerti		HN-Y7N[]150A-S	HIV-1/E[]130A-3	UIN-111-[] 130A-2	AC220V	
series		SV-X2MM150A-B2LN			•						① ⑤	series						
		SV-X2MM200A-N2LA SV-X2MM200A-B2LA				•					1 1 2 3							
	2kW			•		130	30 ф22	Aviation	1 3 3		2kW	HN-Y7N[]200A-S	HNI V7E [1200A S	HN-Y7F[]200A-S	Three-phase	ادِ		
	ZKVV	SV-X2MM200A-N2LN				•		130	ΨΖΖ	connector	0 0		ZKVV	HN-Y/N[]200A-S	HN-Y7E[]200A-S	MN-Y7F[]200A-3	AC220V	
		SV-X2MM200A-B2LN			•						1 1							
		SV-X2MM100S-N2LA				•			ф22		1 1 2 3							
	1kW	SV-X2MM100S-B2LA			•			130		Aviation	1 3 3		1kW	LINIVANIE 1150A C	UNIVZE[]1504 C	HN-Y7F[]150A-S	Three-phase	ادِ
V2 MM	INVV	SV-X2MM100S-N2LN				•	•	130	YZZ	connector	① ②	V2 M		HN-Y7N[]150A-S	HN-Y7E[]150A-S	1114-171 [] 130A-3	AC220V	
X2-MM Middle		SV-X2MM100S-B2LN			•						① ⑤	X2-MI Middl						
Inertia		SV-X2MM150S-N2LA				•					1 1 2 3	Inerti						
&	1.5kW	SV-X2MM150S-B2LA			•			120	ф22	Aviation	① ③ ③	& &		LINI V7NI [] 1EOA C	LINI V7F [] 1FOA C	LINI V7F[] 1F0A C	Three-phase	ادِ
High	T.SKW	SV-X2MM150S-N2LN				•		130	422	connector	① ②	High	1.5W	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	AC220V	
Speed		SV-X2MM150S-B2LN			•						1 1	Speed						
series		SV-X2MM200S-N2LA				•					0 0 3	series	5					
	2kW	SV-X2MM200S-B2LA			•			130	130 ϕ 22 Aviation	0 8 0		21/141	HN-Y7N [] 200A-S	LINIVZE[]2004 C	HN-Y7F[]200A-S	Three-phase	ا	
	ZKVV	SV-X2MM200S-N2LN				•		130	422	connector	① ②		2KW	UIN-111N[] SONY-2	HN-Y7E[]200A-S		AC220V	
		SV-X2MM200S-B2LN			•						① ⑤							

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- **5** SVCAB-PWR075CA-***L-05
- 6 SVCAB-PWB075CA-***L-05

- Incremental encoder cable UVW power cable(no brake) 50W to 100W
 - UVW power cable(with brake) 50W to 100W
 - UVW power cable(no brake) 200W to 1KW
- UVW power cable(with brake) 200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW
 - Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW 2-core brake power connector
- 15 PWR-CON 7.5KW 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT











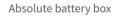
Series	<u> </u>	Madaliaasa	20	bit	Br	ake	0:11	Пана	Shaft	Regular	Applicable	Seri	ries -	Power	[]Control mode [A] Pulse	e control / [B] EtherCAT / [K]MECHA	ATROLINK-III / [R] Profinet	Power	Natas
name	Power	Model name	Absolute	Increment	tal Yes	No	Oil seal	Flange	diameter	Regular models	accessories	nar	me F	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications	Notes
		SV-X2MH005A-N2CA				•					0 3 3								
	F014/	SV-X2MH005A-B2CA			•			40	(hg)	Connector	1 4 3			FOW	LINI V/7NI [] 040A C	UNI V7F [1040A C	LINI V7E [] 0404 C	Single-phase	
	50W	SV-X2MH005A-N2CN				•		40	ф8	-type	2 3			50W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220V	
		SV-X2MH005A-B2CN			•						24								
		SV-X2MH010A-N2CA				•					0 3 3								
	100W	SV-X2MH010A-B2CA			•			40	ф8	Connector	1 4 31			100W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase	
	10000	SV-X2MH010A-N2CN				•		40	Ψο	-type	23			10000	HN-17N[]040A-3	HN-17E[]040A-3	ПN-17Г[]040A-3	AC220V	
		SV-X2MH010A-B2CN			•						2 4								
		SV-X2MH015A-N2CA				•					0 3 3								
	150W	SV-X2MH015A-B2CA			•			40	ф8	Connector	1 4 3			150W	HN-Y7N [] 040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase	إ
	13000	SV-X2MH015A-N2CN				•		40	Ψο	-type	2 3			13000	HN-17N[]040A-3	HN-17E[]040A-3	HN-17F[]040A-3	AC220V	
		SV-X2MH015A-B2CN			•						2 4								
		SV-X2MH020A-N2CA				•					0 6 1								
	20014	SV-X2MH020A-B2CA			•			60	ф14	Connector	0 6 9			20014	LIN 1/7N [] 040A C	UNI V7F [1040A C	LINI V7E [] 0404 C	Single-phase	إ
X2-MH	200W	SV-X2MH020A-N2CN				•		80	Ψ14	-type	2 5	X2-N	MH	200W	HN-Y7N [] 040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220V	
High		SV-X2MH020A-B2CN			•						2 6	Hig	-						
Inertia		SV-X2MH040A-N2CA				•					0 0 0	Iner							
series	40004	SV-X2MH040A-B2CA			•			60	day	Connector	1 6 3	seri		40014/	LINI V7NI [] 0404 C	LIN V7F [] 0404 C	LINI V7E[]040A C	Single-phase	إ
	400W	SV-X2MH040A-N2CN				•		80	ф14	-type	2 5			400W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220V	
		SV-X2MH040A-B2CN			•						2 6								
		SV-X2MH075A-N2CA				•					0 0 0								
	75014	SV-X2MH075A-B2CA	•		•			00	ф19	Connector	1 6 3			75014	11N1 VZN1[] 0ZF A C	UNIVZE[10754 C	LINI VZE [] OZEA C	Single-phase	إ
	750W -	SV-X2MH075A-N2CN				•	•	80	Ψ19	-type	2 6			750W	HN-Y7N[]075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	AC220V	
		SV-X2MH075A-B2CN		•	•						2 6								
		SV-X2MH100A-N2LA				•					0 0 3								
		SV-X2MH100A-B2LA	•		•			120	400	Connector	0 8 9			11011	1017 Jacob C	101175 11001 C	11117EE 31001 C	Three-phase	
	1kW	SV-X2MH100A-N2LN				•	•	130	ф22	-type	0 0			1KW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	AC220V	
		SV-X2MH100A-B2LN		•	•						① ③								
		SV-X2MH150A-N2LA				•					0 0 3								
	1.51.04	SV-X2MH150A-B2LA	•		•			120	400	Connector	0 8 9			1 5104	11N1 V7N1 [] 150A C	UNIVEE 11504 C	LINI VZE [] 1504 C	Three-phase	
	1.5kW	SV-X2MH150A-N2LN				•	•	130	ф22	-type	① ②		-	1.5KW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	AC220V	
		SV-X2MH150A-B2LN			•						① ③								

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- 6 SVCAB-PWB075CA-***L-05

- Incremental encoder cable UVW power cable(no brake) 50W to 100W
 - UVW power cable(with brake) 50W to 100W
- **5** SVCAB-PWR075CA-***L-05 UVW power cable(no brake) 200W to 1KW
 - UVW power cable(with brake) 200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW 4-core power aviation connector, for flange 100&130
- B PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW 2-core brake power connector
- 15 PWR-CON 7.5KW 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT











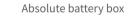
Series	D	Model name	20	bit	Bra	ke	Oilean	Flance	Shaft	Regular	Applicable	Seri	ies .	Power	[]Control mode [A] Pulso	e control / [B] EtherCAT / [K]MECH	ATROLINK-III / [R] Profinet	Power	Notes
Series name	Power	model name	Absolute	Incremental	Yes	No	Oil Seal	Flange	diameter	Regular models	accessories	nan	ne	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications	Notes
		SV-X2MH010H-N2CA				•					0 3 3								
	100W	SV-X2MH010H-B2CA			•			40	ф8	Connector	1 4 31			100W	11N1 77N1 [] 040A C	UNI V7F [] 0404 C	LINI V7E [] 0404 C	Single-phase	
	10000	SV-X2MH010H-N2CN				•		40	Ψο	-type	23			10000	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220V	
		SV-X2MH010H-B2CN			•						2 4								
		SV-X2MH020H-N2LA				•					a a a								
X2-MHH	20014	SV-X2MH020H-B2LA			•			60	ф14	Lead-wire	20233	X2-MI		20014	11N1 77N1	UNI V7F [] 0404 C	LINI V7F [] 0404 C	Single-phase	
Ultra-	200W	SV-X2MH020H-N2LN		•		•		00	Ψ14	type	20 22	Ultra		200W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220V	
high		SV-X2MH020H-B2LN			•						20 23	hig							
Inertia		SV-X2MH040H-N2CA				•					0 6 0	Inert							
series	400W	SV-X2MH040H-B2CA			•			60	ф14	Connector	1631	serie	ies	40014	HN-Y7N []040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase	
	40000	SV-X2MH040H-N2CN		•		•		80	Ψ14	-type	2 5			400W	HIN-171N[]040A-3	HN-17E[]040A-3	ПN-17Г[]040A-3	AC220V	
		SV-X2MH040H-B2CN			•						2 6								
		SV-X2MH075H-N2LA				•					a a a								
	750W	SV-X2MH075H-B2LA			•			80	ф19	Lead-wire	2023			75004	LINI V7NI	LINI VZE [] OZEA C	LINI V/7E [] 07EA C	Single-phase	
	750W	SV-X2MH075H-N2LN		•		•		80	Ψ19	type	a a			750W	HN-Y7N [] 075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	AC220V	
		SV-X2MH075H-B2LN			•						20 23								
		SV-X2MQ010A-N2KA				•		60	ф8	Lead-wire	20 20 30								
	10014	SV-X2MQ010A-B2KA			•			00	Ψδ	type	20 22 23 31			100W	HN-Y7N []040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase	
	100W	SV-X2MQ010A-N2LA				•		(0)	ф8	Lead-wire	a a a						[]	AC220V	
X2-MQ		SV-X2MQ010A-B2LA			•			60	Ψδ	type	20 22 23 31	X2-M	- 1						
Special Flange/	200W	SV-X2MQ020A-N2LA				•		80	ф11	Lead-wire	20 20 30	Spec Flang		200W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase	,
Flat-	20000	SV-X2MQ020A-B2LA			•			00	ΨΠ	type	20 22 23 33	Flat	- 1	20000	HIN-17IN[]040A-3	HIN-17E[]040A-3	HIN-17F[]040A-3	AC220V	
type/	40014	SV-X2MQ040A-N2LA				•	•	80	ф14	Lead-wire	20 20 30	type	e/	400144	LINLY THE LOAD C	1017221 30404 6	UNIVEE 10404 C	Single-phase	ı
Small	400W	SV-X2MQ040A-B2LA			•			80	Ψ14	type	20 22 23 31	Sma		400W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220V	
flange		SV-X2MQ100E-N2CA				•					0 6 0	flang	ige 🗌						
	11.147	SV-X2MQ100E-B2CA			•			00	ф19	Connector	1 6 3			11.147	11N1 77N [] 100A C	UNIVZE[]1004 C	LINL V/7E[]1004 C	Three-phase	
	1kW	SV-X2MQ100E-N2CN				•	•	80	Ψ19	-type	2 5			1kW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	AC220V	
		SV-X2MQ100E-B2CN		•	•						26								

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- **5** SVCAB-PWR075CA-***L-05

- Incremental encoder cable UVW power cable(no brake) 50W to 100W
 - UVW power cable(with brake) 50W to 100W
- UVW power cable(no brake) 200W to 1KW
- 6 SVCAB-PWB075CA-***L-05 UVW power cable(with brake) 200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW
 - Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW
- 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW
- 2-core brake power connector
- 15 PWR-CON 7.5KW
- 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT











Series			20	bit	Br	ake			Shaft	Regular	Annlicable		Series		[]Control mode [A] Puls	e control / [B] EtherCAT / [K]MECH	HATROLINK-III / [R] Profinet	Power	
name	Power	Model name	Absolute	Incrementa	al Yes	No	Oil seal	Flange	diameter	Regular models	Applicable accessories	Ĩ	name	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications	Notes
		SV-X2MG075A-N2LA				•					20 20 30								
	750.1/	SV-X2MG075A-B2LA			•			80	440	Lead-wire	20 22 23 33			75014	11117511 10754 C	1111775 10754 0	101775 10754 0	Single-phase	
	750W	SV-X2MG075A-N2LN				•	•	80	Ф19	type	20 22			750W	HN-Y7N[]075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	AC220V	
		SV-X2MG075A-B2LN		•	•						20 23								
		SV-X2MG100A-N2LA				•					0 0 0								
	1,1,1	SV-X2MG100A-B2LA			•			120	400	Aviation	0 8 9			41.47	111177NT 11004 C	11117775 11004 0	111177F[]100A C	Three-phase	
	1kW	SV-X2MG100A-N2LN				•	•	130	ф22	connector	1 1			1kW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	AC220V	
	-	SV-X2MG100A-B2LN		•	•						① ③								
		SV-X2MG085A-N2LA				•					0 0 3								
X2-MG	05014	SV-X2MG085A-B2LA			•			120		Aviation	① ③ ③] ,	X2-MG	05014	LINL V7NL [] 100 A C	LINLY75 [] 100A C	LINI VZE[] 100 A C	Three-phase	
Low-	850W	SV-X2MG085A-N2LN				•	•	130	ф22	connector	① ②	1	Low-	850W	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	AC220V	
speed		SV-X2MG085A-B2LN		•	•						① ③]	speed						
& High-		SV-X2MG130A-N2LA				•					① ②		& High-						
torque	1 21 14	SV-X2MG130A-B2LA			•			130	ф22	Aviation	① ③ ③		torque	1 21 144	UNI VENI [] 1504 C	LINLYGE []1504 C	UNIVEE 11504 C	Three-phase	
	1.3kW	SV-X2MG130A-N2LN				•	•	130	ΨΖΖ	connector	0 0			1.3kW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	AC220V	
	-	SV-X2MG130A-B2LN		•	•						① ③								
		SV-X2MG180A-N2LA				•					0 0 3								
	1.01.14	SV-X2MG180A-B2LA	-		•			130	400	Aviation	0 3			1.01.14	11N1 V7N1 [1200A C	11N1) 77E [] 2004 C	LINI VZE[] 2004 C	Three-phase	
	1.8kW	SV-X2MG180A-N2LN				•	•	130	ф22	connector	1 1			1.8kW	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	AC220V	
		SV-X2MG180A-B2LN		•	•						① ③								
		SV-X2MG230A-N2LA				•					① ②								
	2 21 111	SV-X2MG230A-B2LA	•		•			120	400	Aviation	1 1 1 1 3			2 21 144	11N1 VZN1 [1200A C	11N1)77F [12004 C	LINLY77E[1200A C	Three-phase	
	2.3kW	SV-X2MG230A-N2LN				•	•	130	ф22	connector	① ②			2.3kW	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	AC220V	
		SV-X2MG230A-B2LN			•						10 10 10								

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- **5** SVCAB-PWR075CA-***L-05

- Incremental encoder cable UVW power cable(no brake) 50W to 100W
- UVW power cable(with brake) 50W to 100W
- UVW power cable(no brake) 200W to 1KW
- 6 SVCAB-PWB075CA-***L-05 UVW power cable(with brake) 200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW 2-core brake power connector
- 15 PWR-CON 7.5KW 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT Absolute battery box









Series	Power	Madalasas	23bit	20bit	Bra	ake	0:11	El	Shaft	Regular	Applicable	Serie	S _	[]Control mode [A] Pulse	control / [B] EtherCAT / [K]MECI	HATROLINK-III / [R] Profinet	Power
name	Power	Model name	Absolute	Absolute Increme-	Yes	No	Oil seal	Flange	diamete	Regular models	accessories	nam	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications Notes
	10014/	SV-X6MA010A-N2LD				•		40	40	Lead-wire	a a a		10011	10107NT 1040A C	LINLYGE [] 0.404 C	11N17775 10404 C	Single-phase
	100W	SV-X6MA010A-B2LD	•		•			40	ф8	type	20233		100W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220V
		SV-X6MA020A-N2LD	•			•	•	60	ф14	Lead-wire type	0 0 0						Single-phase AC220V
	200W	SV-X6MA020A-B2LD			•					турс	0 0 0 0		200W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	
	-	SV-X6MA020A-N2CD	•			•	•	60	ф14	Connector -type	0 0 0						Single-phase AC220V
		SV-X6MA020A-B2CD			•					 	1 2 3						
	-	SV-X6MA040A-N2LD SV-X6MA040A-B2LD	•				•	60	Ф14	Lead-wire type	<u> </u>						Single-phase AC220V
	400W	SV-X6MA040A-N2CD									0 6 9		400W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	
		SV-X6MA040A-N2CD	•					60	Ф14	Connector -type	0 6 9						Single-phase AC220V
		SV-X6MA060E-N2LD									0 0 0						
	600W	SV-X6MA060E-B2LD	•				•	110	Ф19	Aviation connector	000		600W	HN-Y7N[]075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	Single-phase AC220V
		SV-X6MA075A-N2LD									9 9 9						Single-phase
X6-MA	-	SV-X6MA075A-B2LD	•				•	80	Ф19	Lead-wire type	0 2 3 0	X6-M					AC220V
Low	750W	SV-X6MA075A-N2CD				•				Connector	0 6 0	Low	750W	HN-Y7N[]075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	Single-phase
Inertia		SV-X6MA075A-B2CD	•		•		•	80	Ф19	-type	0 6 0	Inerti	1				AC220V
Series		SV-X6MA090E-N2LD				•				Aviation	0 0 3	Serie	1				Three-phase
	900W	SV-X6MA090E-B2LD	•		•			110	Ф19	connector	0 0 4 3		900W	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	AC220V
	41334	SV-X6MA100A-N2LD				•		100	170	Aviation	① ②		41				Three-phase
	1kW	SV-X6MA100A-B2LD	•		•		•	100	ф19	connector	0000		1kW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	AC220V
	1 21 14	SV-X6MA120E-N2LD				•		110	d 10	Aviation	① ②		1 21 14	LINIAGAI [] 1504 C	LINI V/7E [] 1EOA C	LINI)/755 31504 C	Three-phase
	1.2kW	SV-X6MA120E-B2LD			•			110	Ф19	connector	0000		1.2kW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	AC220V
		SV-X6MA150A-N2LD				•	•	110	ф19	Aviation	0 0 3			HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	Three-phase
	1.5kW	SV-X6MA150A-B2LD			•			110	Ψ19	connector	1 1 1 1 3		1.5kW	C-MOCT [] NIJ 1-NILI	UIN-11E[]311-NIU		AC220V
	1.3844	SV-X6MA150E-N2LD SV-X6MA150E-B2LD	•		•	•	•	100	ф19	Aviation connector	0 0 0		T.JKW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	Three-phase AC220V
		SV-X6MA130E-B2LD SV-X6MA180E-N2LD	-								000						
	1.8kW	SV-X6MA180E-B2LD	•		•		•	110	ф19	Aviation connector	0 0 0		1.8kW	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	Three-phase AC220V
	2kW	SV-X6MA200A-N2LD SV-X6MA200A-B2LD	•		•	•	•	110	ф19	Aviation connector	① ② ③ ① ② ④ ③		2kW	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	Three-phase AC220V

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- **5** SVCAB-PWR075CA-***L-05
- 6 SVCAB-PWB075CA-***L-05

- Incremental encoder cable UVW power cable(no brake) 50W to 100W
- UVW power cable(with brake) 50W to 100W
- UVW power cable(no brake) 200W to 1KW
- UVW power cable(with brake) 200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW 2-core brake power connector
- 15 PWR-CON 7.5KW 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector) 21 ENC-TE 750W
- 22 PWR-CON 750W 4-hole power plastic connector
- 23 PWB-CON 750W 2-hole power brake plastic connector

Other accessories specifications

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Series	Dawar	Model name	23bit	20bit	Bra	ake	Oileasi	Flance	Shaft	Regular	Applicable	Series name		[]Control mode [A] Puls	e control / [B] EtherCAT / [K]MECH	IATROLINK-III / [R] Profinet	Power No.	Notes
name	Power	Model name	Absolute	Absolute Increm	e- Yes	No	Oil Seal	Flange		models	accessories	name	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications	otes
X2-MM	1kW	SV-X6MM100A-N2LD SV-X6MM100A-B2LD	-		•	•	•	130	ф22	Aviation connector	0 0 0 0	X2-MM	1kW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase AC220V	
Middle Inertia	1.5kW	SV-X6MM150A-N2LD SV-X6MM150A-B2LD	•		•	•	•	130	ф22	Aviation connector	0 0 0 0 0	Middle Inertia	1 5 1 1 1 1 1 1 1 1	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	Three-phase AC220V	
series	2kW	SV-X6MM200A-N2LD SV-X6MM200A-B2LD	•		•	•	•	130	ф22	Aviation connector	① ② ③ ① ③ ④	series	2kW	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	Three-phase AC220V	
X6-MMS	1kW	SV-X6MM100S-N2LD SV-X6MM100S-B2LD	•		•	•	•	100	ф19	Aviation connector	① ② ③ ① ③ ③	X6-MMS	1kW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	Three-phase AC220V	
Middle Inertia	1.5kW	SV-X6MM150S-N2LD SV-X6MM150S-B2LD	•		•	•	•	100	ф19	Aviation connector	0 0 0 0 0 0	Middle Inertia	1 51////	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	Three-phase AC220V	
series	2kW	SV-X6MM200S-N2LD SV-X6MM200S-B2LD	•		•	•	•	100	ф19	Aviation connector	0 0 0 0 0 0	series	2kW	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	Three-phase AC220V	

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05 3 SVCAB-PWR010CA-***L-05
- 50W to 100W 4 SVCAB-PWB010CA-***L-05 UVW power cable(with brake) 50W to 100W
- **5** SVCAB-PWR075CA-***L-05
- UVW power cable(no brake) 200W to 1KW
- 6 SVCAB-PWB075CA-***L-05

Incremental encoder cable

UVW power cable(no brake)

200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW
- Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW
- 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW
- 2-core brake power connector
- 15 PWR-CON 7.5KW UVW power cable(with brake)
- 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
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Absolute battery box





Series			23bit	20bit	Br	ake			Shaft	Regular	Applicable	Serie	c	[]Control mode [A] Pulse	control / [B] EtherCAT / [K]MEC	HATROLINK-III / [R] Profinet	Power
name	Power	Model name		e Absolute Increi		No	Oil seal	Flange	diameter	Regular models	accessories	name	S Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specification
		SV-X6MH005A-N2LD				•		(40)	40	Lead-wire	a a a			LINLY7NI	LINI V7E [1040A C	LINL V7F [] 0.404 C	Single-ph
	E0W [SV-X6MH005A-B2LD			•			40	ф8	type	20 22 33 33		FOW	HN-Y7N [] 040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220\
	50W	SV-X6MH005A-N2CD				•	•	40	ф8	Connector	0 3 3		50W	LINI V7NI 1040A S	UN V7E [] 0404 C	UN V7F[]0404 C	Single-ph
		SV-X6MH005A-B2CD			•			40	Ψο	-type	1 4 1			HN-Y7N [] 040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220\
		SV-X6MH010A-N2LD				•		40	ф8	Lead-wire	a a a			HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-ph
	100W	SV-X6MH010A-B2LD			•				Ψ0	type	0 2 3 0		100W	TIN-TINE JOHON-S	1117-112[]0-107-5	1114-171 []04074-3	AC220\
	10011	SV-X6MH010A-N2CD				•		40	ф8	Connector	0 3 3		10011	HN-Y7N [] 040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-ph
		SV-X6MH010A-B2CD			•					-type	1 4 31			[]0.15/		1117 1117 [] 0 10,10	AC220\
		SV-X6MH015A-N2LD				•	•	40	ф8	Lead-wire	9 9 9			HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-ph
	150W	SV-X6MH015A-B2LD			•					type	20 22 33 33		150W				AC220\
	-	SV-X6MH015A-N2CD	•			•	•	40	ф8	Connector -type	0 0 0			HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-ph
		SV-X6MH015A-B2CD			•					турс	1 4 31			2.3			AC220\
X6-MH		SV-X6MH020A-N2LD	•		_	•	•	40	ф14	Lead-wire	999	X6-MH		HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-pha
High	200	SV-X6MH020A-B2LD			•					type	0 0 0 0	High					AC220\
Inertia	200W	SV-X6MH020A-N2CD	•			•			ф14	Connector	0 0 0	Inertia	a 200W		LNLVEET 10404 C	1017222 30404 0	Single-ph
series		SV-X6MH020A-B2CD	_		•		•	60	ф 11	-type	0 6 9	series	5	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220\
		SV-X6MH020A-N2JD	•			•			Ψ		0 0 0						
		SV-X6MH040A-N2LD	•			•	•	60	Ф14	Lead-wire type	999			HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-ph AC220
	400W	SV-X6MH040A-B2LD			•	•					1 2 3 3 1 5 3		400W				+
		SV-X6MH040A-N2CD SV-X6MH040A-B2CD	•				•	60	ф14	Connector -type	0 6 9			HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-ph AC220\
		SV-X6MH075A-N2LD				•					a a a						
		SV-X6MH075A-B2LD	•				•	80	Ф19	Lead-wire type	<u> </u>			HN-Y7N [] 075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	Three-ph AC220\
	750W	SV-X6MH075A-N2CD				•				_	0 6 0		750W				Three-ph
		SV-X6MH075A-B2CD	•				•	80	Ф19	Connector -type	0 6 0			HN-Y7N[]075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	AC220\
		SV-X6MH100A-N2LD				•					① ① ①						Three-ph
	1kW	SV-X6MH100A-B2LD	•				•	130	ф22	Aviation connector	0 6 0		1kW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	AC220
		SV-X6MH150A-N2LD				•				Aviotion	0 0 0						Three-ph
	1.5kW	SV-X6MH150A-B2LD	•				•	130	ф22	Aviation connector	1		1.5kW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	AC220\
		SV-X6MH010H-N2LD	_			•				Lead-wire	20 20 30						Three-ph
		SV-X6MH010H-B2LD	1		•		•	40	ф8	type	20 23 30			HN-Y7N [] 040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220\
	100W	SV-X6MH010H-N2CD	_			•				Connector	1 3 3		100W				Three-ph
X6-MHH		SV-X6MH010H-B2CD	•		•		•	40	ф8	-type	1 4 3	х6-мн	4	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220
Ultra-	200144	SV-X6MH020H-N2LD				•		40	day	Lead-wire	2 2 3	Ultra-	20014	LINI \/7N [] 0404 C	LINI V/7E [10404 C	LINI V7E [] 0404 C	Single-ph
high	200W	SV-X6MH020H-B2LD			•		•	60	Ф14	type	2 2 3 3	high	200W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220\
Inertia		SV-X6MH040H-N2LD				•		60	44	Lead-wire	2 2 3	Inertia	1 1	LINI \/7N [] 0404 C	LINI VZE [30404 C	LINI\/755 30404 C	Single-ph
series	40004	SV-X6MH040H-B2LD			•		•	80	ф14	type	20239	series		HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	AC220\
	400W	SV-X6MH040H-N2CD			L	•		60	41	Connector	0 6 3		400W	HNI V7NI TOAOA C	LINI V7E [] OAOA C	HN-Y7F[]040A-S	Single-ph
		SV-X6MH040H-B2CD			•			80	Ф14	-type	0 6 3			HN-Y7N[]040A-S	HN-Y7E[]040A-S		AC220\
	750W	SV-X6MH075H-N2LD	•			•	•	80	ф19	Lead-wire type	20 20 30		750W	HN-Y7N[]075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	Single-ph

Accessories specifications for connector-type servo motors of flange 40 to 80

1 SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable

2 SVCAB-ENC075CA-***L-05

3 SVCAB-PWR010CA-***L-05

4 SVCAB-PWB010CA-***L-05

SVCAB-PWR075CA-***L-05

6 SVCAB-PWB075CA-***L-05

Absolute encoder cable
Incremental encoder cable

UVW power cable(no brake) 50W to 100W

UVW power cable(with brake) 50W to 100W

UVW power cable(no brake) 200W to 1KW

UVW power cable(with brake) 200W to 1KW

Aviation connector specifications for servo motor of flange 100&130&180

2-core brake power connector

■ ENC-TE-LW 1KW

Encoder accessories (10-pin aviation connector + 1394 connector)

PWR-CON 1KW

4-core power aviation connector, for flange 100&130

PWR-CON 1KW-9P

9-pin brake power aviation connector, for flange 100&130

14 PWB-CON-1KW

(B) PWR-CON 7.5KW 4-core power aviation connector, for flange 180

Accessories specifications for lead-wire type servo motor of flange 40 to 80

21 ENC-TE 750W

2 packs of encoder accessories (6-hole plastic connector + 1394 connector)

22 PWR-CON 750W

4-hole power plastic connector

23 PWB-CON 750W

2-hole power brake plastic connector

Other accessories specifications

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Absolute battery box









Series	Power	Madalasas	23bit	20bit	Brake	0:1 1	Fl	Shaft	Regular	Applicable	Series	Power	[]Control mode [A] Pulse	control / [B] EtherCAT / [K]MECH	ATROLINK-III / [R] Profinet	Power Nata
name	Power	Model name	Absolute	Absolute Increme-	es No	Oil seal	Flange	diamete	Regular models	accessories	name	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications Notes
		SV-X6MQ010A-N2KD SV-X6MQ010A-B2KD	•		•		60	ф8	Lead-wire type	4 2 3 4 2 3 3	_	10000	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase AC220V
X6-MQ	100W -	SV-X6MQ010A-N2LD SV-X6MQ010A-B2LD	•	_	•	•	60	ф8	Lead-wire type	4 2 3 3	X6-MQ	100W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase AC220V
Special Flange/	200W	SV-X6MQ020A-N2LD SV-X6MQ020A-B2LD	•		•	•	60	ф11	Lead-wire type	4 2 3 3	Special Flange/	200W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase AC220V
Flat- type/ Small	400W	SV-X6MQ040A-N2LD SV-X6MQ040A-B2LD	•		•	•	80	ф14	Lead-wire type	1 2 3 3 3	Flat- type/ Small	400W	HN-Y7N[]040A-S	HN-Y7E[]040A-S	HN-Y7F[]040A-S	Single-phase AC220V
flange	1kW	SV-X6MQ100E-N2LD SV-X6MQ100E-B2LD	•		•	•	80	ф19	Lead-wire type	4 2 3 4 2 3 3	flange	1kW -	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase AC220V
	IKVV	SV-X6MQ100E-N2CD SV-X6MQ100E-B2CD	•		•	•	80	ф19	Connector -type	0 6 0 0 6 0		IKW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase AC220V
	750W	SV-X6MG075A-N2LD SV-X6MG075A-B2LD	•		•	•	80	ф19	Lead-wire type	4 2 3 3 4 2 3 3		750W	HN-Y7N []075A-S	HN-Y7E[]075A-S	HN-Y7F[]075A-S	Single-phase AC220V
X6-MG Low-	1kW	SV-X6MG100A-N2LD SV-X6MG100A-B2LD	•		•	•	130	ф22	Aviation connector	① ② ① ① ③ ①	X6-MG Low-	1kW	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase AC220V
speed &	850W	SV-X6MG085A-N2LD SV-X6MG085A-B2LD	•		•	•	130	ф22	Aviation connector	① ② ③ ① ③ ③	speed &	850W	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase AC220V
High- torque	1.3kW	SV-X6MG130A-N2LD SV-X6MG130A-B2LD	•	_	•	•	130	ф22	Aviation connector	① ② ① ① ③ ③	High- torque	1.3kW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	Three-phase AC220V
	1.8kW	SV-X6MG180A-N2LD SV-X6MG180A-B2LD	•	_	•	•	130	ф22	Aviation connector	① ② ① ① ③ ①		1.8kW	HN-Y7N []200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	Three-phase AC220V
X6-MGS	850W	SV-X6MG085S-N2LD SV-X6MG085S-B2LD	•	_	•	•	130	ф19	Aviation connector	(1) (2) (3) (1) (2) (3)	X6-MGS	850W	HN-Y7N[]100A-S	HN-Y7E[]100A-S	HN-Y7F[]100A-S	Three-phase AC220V
Low- cogging Cutting	1.3kW	SV-X6MG130S-N2LD SV-X6MG130S-B2LD	•		•	•	130	ф22	Aviation connector	① ② ③ ① ② ② ③	Low- cogging Cutting	1.3kW	HN-Y7N[]150A-S	HN-Y7E[]150A-S	HN-Y7F[]150A-S	Three-phase AC220V
series	1.8kW	SV-X6MG180S-N2LD SV-X6MG180S-B2LD	•		•	•	130	ф24	Aviation connector	① ② ③ ① ② ② 3	series	1.8kW	HN-Y7N[]200A-S	HN-Y7E[]200A-S	HN-Y7F[]200A-S	Three-phase AC220V

Accessories specifications for connector-type servo motors of flange 40 to 80

Incremental encoder cable

UVW power cable(no brake)

50W to 100W

- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05 3 SVCAB-PWR010CA-***L-05
- UVW power cable(no brake) 50W to 100W 4 SVCAB-PWB010CA-***L-05 UVW power cable(with brake)
- **5** SVCAB-PWR075CA-***L-05
- 200W to 1KW 6 SVCAB-PWB075CA-***L-05 UVW power cable(with brake) 200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW 2-core brake power connector
- 15 PWR-CON 7.5KW 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT Absolute battery box









Series	Daywar	Madalmana	23bit	20b	oit	Brak	e c:	Lasal	Flance	Shaft	Regular	Applicable	Series	Power	[]Control mode [A] Puls	e control / [B] EtherCAT / [K]MECH	ATROLINK-III / [R] Profinet	Power	Natas
name	Power	Model name	Absolute	Absolute I	Increme- ntal	es N	No OII	ı seai	Flange	liameter	models	Applicable accessories	name	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications	Notes
		SV-X6MA100A-N4LA					•		100	ф19	Aviation	1 1 1 1							
	l 1kW	SV-X6MA100A-B4LA				•			100	Ψ19	connector	1 1 1 1 3		11/1/	LINI V7NI [] 100T C	LIN V7F [] 100T C	LINI V/7E[] 100T C	Three-phase	
	TKAA	SV-X6MA100A-N4LD					•		100	ф19	Aviation	(1) (2) (3)		1kW	HN-Y7N[]100T-S	HN-Y7E[]100T-S	HN-Y7F[]100T-S	AC380V	
		SV-X6MA100A-B4LD				•		•	100	Ψ19	connector	① ② ②							
		SV-X6MA150A-N4LA					•		100	ф19	Aviation	① ②							
	1 51 14	SV-X6MA150A-B4LA				•		•	100	Ψ19	connector	① ② ③		1.51.14	11N177N15 1150T C	UNIVER 1150T C	UNIVEE 11507.0	Three-phase	
	1.5kW	SV-X6MA150A-N4LD					•		100	ф19	Aviation	① ②		1.5kW	HN-Y7N[]150T-S	HN-Y7E[]150T-S	HN-Y7F[]150T-S	AC380V	
		SV-X6MA150A-B4LD				•		•	100	Ψ19	connector	① ② ③							
		SV-X6MA200A-N4LA					•		100	ф19	Aviation	0 0 0							
	2kW	SV-X6MA200A-B4LA				•		•	100	Ψ19	connector	① ② ③		2144	1101 7701 [12007 C	UNIVZE[1200T C	UNIVZE[] 200T C	Three-phase	
X6-MA	ZKVV	SV-X6MA200A-N4LD					•		100	410	Aviation	0 0 0	X6-MA	2kW	HN-Y7N[]200T-S	HN-Y7E[]200T-S	HN-Y7F[]200T-S	AC380V	
Low		SV-X6MA200A-B4LD				•		•	100	Ф19	connector	0 0 0	Low						
Inertia		SV-X6MA300K-N4LA					•		120	421	Aviation	0 0 0	Inertia						
Series	21.14	SV-X6MA300K-B4LA		•		•		•	130	ф24	connector	0 0 0	Series	21.14	11117711 1200T C	UNIVER 12007 C	UNIVEE 1200T C	Three-phase	
	3kW	SV-X6MA300K-N4LD					•		120	401	Aviation	0 0 0		3kW	HN-Y7N[]300T-S	HN-Y7E[]300T-S	HN-Y7F[]300T-S	AC380V	
	-	SV-X6MA300K-B4LD	•			•			130	ф24	connector	0000							
		SV-X6MA400K-N4LA					•		130	ф24	Aviation	0 0 0							
	4kW	SV-X6MA400K-B4LA		•		•		•	130	Ψ24	connector	0 0 0 0		41.347	LINLYZNI I TOOT C	LINI)/75 [] 500T C	LINI V/7E[] FOOT C	Three-phase	
	4600	SV-X6MA400K-N4LD					•		130	421	Aviation	0 0 0		4kW	HN-Y7N[]500T-S	HN-Y7E[]500T-S	HN-Y7F[]500T-S	AC380V	
		SV-X6MA400K-B4LD				•		•	130	ф24	connector	1 1 1 1 3							
		SV-X6MA500K-N4LA					•		120	401	Aviation	0 0 0							
		SV-X6MA500K-B4LA				•			130	ф24	connector	1 1 1 1 3		FLAM	LINLYZNI (1500T C	UNIVZE[]500T.C	LINI\775[]500T.C	Three-phase	
	5kW	SV-X6MA500K-N4LD					•		120	401	Aviation	0 0 3		5kW	HN-Y7N[]500T-S	HN-Y7E[]500T-S	HN-Y7F[]500T-S	AC380V	
		SV-X6MA500K-B4LD				•			130	ф24	connector	1 1 1 1 3							

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- **5** SVCAB-PWR075CA-***L-05
- 6 SVCAB-PWB075CA-***L-05

- Incremental encoder cable
- UVW power cable(no brake) 50W to 100W
- UVW power cable(with brake) 50W to 100W
- UVW power cable(no brake) 200W to 1KW
- UVW power cable(with brake) 200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW
 - Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW
- 4-core power aviation connector, for flange 100&130 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW 2-core brake power connector
- 15 PWR-CON 7.5KW
- 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT Absolute battery box









Series	Power	Madalmana	23bit	20b	it	Brake	0:1		Shaft	Regular	Applicable	Se	eries	_	[]Control mode [A] Puls	e control / [B] EtherCAT / [K]MECH	IATROLINK-III / [R] Profinet	Power Natas
name	Power	Model name	Absolute	Absolute Ir	ncreme- ntal	es N	Oil sea	al Flange	Shaft diameter	models	Applicable accessories	n	name	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications Notes
		SV-X6MM100A-N4LD						130	ф22	Aviation	1 1 2 3							
		SV-X6MM100A-B4LD				•		130	ΨΖΖ	connector	① ③ ③				11N1 V7N1	LINLYZE [] 100T C	LINI V/7E[] 100T C	Three-phase
		SV-X6MM100A-N4LA						130	ф22	Aviation	1 1 2 3				HN-Y7N[]100T-S	HN-Y7E[]100T-S	HN-Y7F[]100T-S	AC380V
	11,14	SV-X6MM100A-B4LA				•		130	ΨΖΖ	connector	1 1 3			1114/				
	1kW	SV-X6MM100S-N4LD						130	ф22	Aviation	1 1 2 3			1kW				
		SV-X6MM100S-B4LD				•		130	ΨΖΖ	connector	1 1 3				LINI V7NI [] 100T C	LINLYZE [] 100T C	UNIVZE[]100T C	Three-phase
		SV-X6MM100S-N4LA						130	ф22	Aviation	1 1 2 3				HN-Y7N[]100T-S	HN-Y7E[]100T-S	HN-Y7F[]100T-S	AC380V
		SV-X6MM100S-B4LA				•		130	ΨΖΖ	connector	① ③ ③							
		SV-X6MM150A-N4LD						130	ф22	Aviation	1 1 2 3							
		SV-X6MM150A-B4LD				•		130	ΨΖΖ	connector	1 1 3				HN-Y7N[]150T-S	HN-Y7E[]150T-S	HN-Y7F[]150T-S	Three-phase
X6-MM		SV-X6MM150A-N4LA						130	ф22	Aviation	10 12 31		(6-MM		HIN-17IN[]1301-3	HIV-17E[]1301-3	ПИ-11Г] 1301-3	AC380V
Middle	1.5kW	SV-X6MM150A-B4LA				•		130	ΨΖΖ	connector	1 1 3		/liddle	1.5kW -				
Inertia series	1.3600	SV-X6MM150S-N4LD						130	ф22	Aviation	1 1 2 3		nertia series	1.5KW				
series		SV-X6MM150S-B4LD				•			ΨΖΖ	connector	11 13 31	31	series		HN-Y7N []200T-S	HN-Y7E[]200T-S	HN-Y7F[]200T-S	Three-phase
		SV-X6MM150S-N4LA						130	ф22	Aviation	1 1 2 3				1114-1711[]2001-3	1114-1712[]2001-3	1114-171 []2001-3	AC380V
		SV-X6MM150S-B4LA				•			422	connector	0 B 0							
		SV-X6MM200A-N4LD						130	ф22	Aviation	1 1 1 1							
		SV-X6MM200A-B4LD				•		130	Ψ 2 2	connector	① ③ ③				HN-Y7N []200T-S	HN-Y7E[]200T-S	HN-Y7F[]200T-S	Three-phase
		SV-X6MM200A-N4LA				•		130	ф22	Aviation	1 1 1 1				1114-1711[]2001-3	1114-172[]2001-3	1114-171 []2001-3	AC380V
	2kW	SV-X6MM200A-B4LA				•		130	Ψ 2 2	connector	① ③ ③			2kW				
	ZNVV	SV-X6MM200S-N4LD						130	ф22	Aviation	1 1 2 3			ZNVV				
		SV-X6MM200S-B4LD				•		130	Ψ 2 2	connector	1 1 3				HN-Y7N[]300T-S	HN-Y7E[]300T-S	HN-Y7F[]300T-S	Three-phase
		SV-X6MM200S-N4LA						130	ф22	Aviation	1 1 2 3				1114-1710[]3001-3	1114-172[]3001-3	1114-171 []5001-5	AC380V
		SV-X6MM200S-B4LA				•		No.	ote \$22	connector	1 1 3							

Accessories specifications for connector-type servo motors of flange 40 to 80

Incremental encoder cable

UVW power cable(no brake)

UVW power cable(with brake)

UVW power cable(with brake)

50W to 100W

50W to 100W

200W to 1KW

- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05

- **5** SVCAB-PWR075CA-***L-05 UVW power cable(no brake) 200W to 1KW
- 6 SVCAB-PWB075CA-***L-05

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW
- Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW
- 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW
- 2-core brake power connector
- 15 PWR-CON 7.5KW
- 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT Absolute battery box









Series	Power	Madalmana	23bit	20bi		rake	0:1	Попе	Shaft	Regular	Applicable	Se	eries	Power	[]Control mode [A] Puls	e control / [B] EtherCAT / [K]MECHA	TROLINK-III / [R] Profinet	Power
name	Power	Model name	Absolute	Absolute Inc	reme- ntal Yes	No	Oil seal	Flange	diameter	Regular models	accessories	na	ame	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications
		SV-X6MM300A-N4LD				•					0 6 9							
	3kW	SV-X6MM300A-B4LD			•			180	ф 2 5	Aviation	11 14 15 31			3kW	HN-Y7N[]300T-S	HN-Y7E[]300T-S	HN-Y7F[]300T-S	Three-phase
	JAVV	SV-X6MM300A-N4LA				•		100	Ф35	connector	10 15 31			SKVV	1114-1714[]3001-3	1114-1712[]3001-3	1114-171 [] 3001-3	AC380V
		SV-X6MM300A-B4LA			•						11 14 15 31							
		SV-X6MM400A-N4LD				•					1 1 3							
	4kW	SV-X6MM400A-B4LD			•			180	ф35	Aviation	11 15 31			4kW	HN-Y7N[]500T-S	HN-Y7E[]500T-S	HN-Y7F[]500T-S	Three-phase
	4600	SV-X6MM400A-N4LA				•	•	100	Ψ33	connector	0 6 3			4600	1114-1714[]5001-5	1114-172[]3001-3	1111-177[]3001-3	AC380V
		SV-X6MM400A-B4LA			•						0 6 5							
		SV-X6MM500A-N4LD				•					0 6 3							
	5kW	SV-X6MM500A-B4LD			•			180	ф35	Aviation	0 0 5 0			5kW	HN-Y7N[]500T-S	HN-Y7E[]500T-S	HN-Y7F[]500T-S	Three-phase
	JAVV	SV-X6MM500A-N4LA				•		100	Ψ33	connector	0 6 0			JKW	1114-1714[]5001-5	1114-172[]5001-5	1114-171 []3001-3	AC380V
		SV-X6MM500A-B4LA			•						0 4 5 3							
X6-MM	1	SV-X6MM750A(H)-N4LD				•					0 6 9		6-MM					
Middle	7.5kW	SV-X6MM750A(H)-B4LD			•			180	φ42	Aviation	1 4 5 3		iddle nertia	7.5kW	HN-Y7N[]750T-S	HN-Y7E[]750T-S	HN-Y7F[]750T-S	Three-phase
Inertia series		SV-X6MM750A(H)-N4LA				•	•			connector	0 6 9		eries				[]	AC380V
Jerres		SV-X6MM750A(H)-B4LA			•						0 6 5		Lines					
		SV-X6MM11KA-N4LD				•	•				① ②							
	11kW	SV-X6MM11KA-B4LD			•			220	ф 55	Aviation	0 4 3			11kW	HN-Y7N[]111T-S	HN-Y7E[]111T-S	HN-Y7F[]111T-S	Three-phase
		SV-X6MM11KA-N4LA				•	•			connector	• •					[]	[] 1111 0	AC380V
		SV-X6MM11KA-B4LA			•						0 0 3							
		SV-X6MM15KA-N4LD-F				•	•				0 6 0							
	15kW	SV-X6MM15KA-B4LD-F			•			220	Ф 55	Aviation connector	10 (4 (6 (3)			15kW	HN-Y7N[]151T-S	HN-Y7E[]151T-S	HN-Y7F[]151T-S	Three-phase
		SV-X6MM15KA-N4LA-F		•		•	•			Connector	0 6 0						2.3	AC380V
		SV-X6MM15KA-B4LA-F			•						0 0 0							
		SV-X6MM22KA-N4LD-F	•			•	•				0 6 0							
	22kW	SV-X6MM22KA-B4LD-F			•			220	Ф 55	Aviation connector	① ② ③			22kW	HN-Y7N[]221T-S	HN-Y7E[]221T-S	HN-Y7F[]221T-S	Three-phase
		SV-X6MM22KA-N4LA-F	_	•		•	•			Connector	0 6 0							AC380V
		SV-X6MM22KA-B4LA-F			•						0 0 0							
		SV-X6MH200A-N4LD	•			•	•				0 6 0							
VC MIL	2kW	SV-X6MH200A-B4LD			•			180	ф 35	Aviation connector	0050	, vc		2kW	HN-Y7N[]200T-S	HN-Y7E[]200T-S	HN-Y7F[]200T-S	Three-phase AC380V
X6-MH High		SV-X6MH200A-N4LA		•		•	•			Cormicator	0 0 0		6-MH High					AC36UV
Inertia		SV-X6MH200A-B4LA			•						0000		nertia					
series		SV-X6MH400A-N4LD	•			•	•				0 6 0		eries					
	4kW	SV-X6MH400A-B4LD			•			180	ф35	Aviation connector	0000			4kW	HN-Y7N[]500T-S	HN-Y7E[]500T-S	HN-Y7F[]500T-S	Three-phase AC380V
		SV-X6MH400A-N4LA	-	•	-	•	•				0 6 0							ACSOUV
		SV-X6MH400A-B4LA			•						10 14 15 31							

Accessories specifications for connector-type servo motors of flange 40 to 80

- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- **5** SVCAB-PWR075CA-***L-05
- 6 SVCAB-PWB075CA-***L-05
- Incremental encoder cable UVW power cable(no brake) 50W to 100W
- UVW power cable(with brake) 50W to 100W
- UVW power cable(no brake) 200W to 1KW
- UVW power cable(with brake) 200W to 1KW

• Aviation connector specifications for servo motor of flange 100&130&180

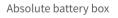
- ENC-TE-LW 1KW
- Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW
- 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW
- 2-core brake power connector
- 15 PWR-CON 7.5KW
- 4-core power aviation connector, for flange 180

Accessories specifications for lead-wire type servo motor of flange 40 to 80

- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector

Other accessories specifications

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Series	Power	Madalmana	23bit	20k	bit	Bra	ke	0:11	Floring	Shaft	Regular	Applicable	Series	Power	[]Control mode [A] Puls	e control / [B] EtherCAT / [K]MECH	IATROLINK-III / [R] Profinet	Power	
name	Power	Model name	Absolute	Absolute	Increme- ntal	Yes	No	Oil seal	Flange	diameter	Regular models	Applicable accessories	name	Power	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications	Notes
		SV-X6MG085A-N4LD					•		130	ф22	Aviation	① ② ③							
	850W	SV-X6MG085A-B4LD				•		•	130	ΨΖΖ	connector	① ②		850W	11N1 V7N1	UNIVEE 1100T C	LINI V7E [] 100T C	Three-phase	
	85000	SV-X6MG085A-N4LA					•		130	ф22	Aviation	① ② ③		85000	HN-Y7N[]100T-S	HN-Y7E[]100T-S	HN-Y7F[]100T-S	AC380V	
		SV-X6MG085A-B4LA				•		•	130	ΨΖΖ	connector	① ③ ③							
		SV-X6MG150C-N4LD					•		130	ф22	Aviation	① ②							
	1.5kW	SV-X6MG150C-B4LD				•		•	130	ΨΖΖ	connector	① ③ ①		1.5kW	LINLYZNIE 11FOT C	LINI V7F [] 1FOT C	UNIV7E[]1EOT C	Three-phase	
	1.5KW	SV-X6MG150C-N4LA					•		130	ф22	Aviation	① ②		1.5KW	HN-Y7N[]150T-S	HN-Y7E[]150T-S	HN-Y7F[]150T-S	AC380V	
		SV-X6MG150C-B4LA				•		•	130	ΨΖΖ	connector	① ③ ①							
		SV-X6MG240A-N4LD					•		130	фаа	Aviation	0 0 0							
X6-MG	2.4kW	SV-X6MG240A-B4LD				•		•	130	ф22	connector	0 8 9	X6-MG	2.4kW	UNI V7NI [] 200T C	LIN V7F [1200T C	LIN V7E[1200T C	Three-phase	
Low-	2.4KW	SV-X6MG240A-N4LA					•		130	422	Aviation	0 0 0	Low-	2.4KVV	HN-Y7N[]300T-S	HN-Y7E[]300T-S	HN-Y7F[]300T-S	AC380V	
speed		SV-X6MG240A-B4LA		•		•		•	130	ф22	connector	0 8 9	speed						
& High-		SV-X6MG290A-N4LD					•					0 6 9	& High-						
torque	2 0144	SV-X6MG290A-B4LD				•		•	100	425	Aviation	0 4 5 3	torque	2 01 44	11017/711 12007 C	UNIVZE[]2007 C	UNIVZE[1200T C	Three-phase	
	2.9kW	SV-X6MG290A-N4LA					•		180	ф35	connector	0 6 9		2.9kW	HN-Y7N[]300T-S	HN-Y7E[]300T-S	HN-Y7F[]300T-S	AC380V	
		SV-X6MG290A-B4LA		•		•		•				0 4 5 3							
		SV-X6MG440A-N4LD					•					0 6 9							
		SV-X6MG440A-B4LD	_			•		•	100	405	Aviation	0 4 5 3		4 41 111	11117711 1500T C	LINLY 275 [15007 C	UNIVEE 3 500T C	Three-phase	
	4.4kW	SV-X6MG440A-N4LA					•		180	ф35	connector	0 6 9		4.4kW	HN-Y7N[]500T-S	HN-Y7E[]500T-S	HN-Y7F[]500T-S	AC380V	
		SV-X6MG440A-B4LA		•		•		•				0 4 5 3							
		SV-X6MG550A-N4LD					•					0 6 9							
		SV-X6MG550A-B4LD	•			•		•	100	170	Aviation	11 14 15 31		5.51.44	11117711 1 COOT C	111177F [1000T 0	UNIVEE 1 000T 0	Three-phase	
	5.5 kW	SV-X6MG550A-N4LA					•		180	ф42	connector	1 1 3		5.5 kW	HN-Y7N[]600T-S	HN-Y7E[]600T-S	HN-Y7F[]600T-S	AC380V	
		SV-X6MG550A-B4LA		•		•		•				1 1 1 3							

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05
- **5** SVCAB-PWR075CA-***L-05
- 6 SVCAB-PWB075CA-***L-05

Incremental encoder cable

UVW power cable(no brake)

UVW power cable(with brake)

UVW power cable(no brake)

UVW power cable(with brake)

50W to 100W

50W to 100W

200W to 1KW

200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- **●** ENC-TE-LW 1KW
- Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW
- 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange 100&130
- 14 PWB-CON-1KW
- 2-core brake power connector
- B PWR-CON 7.5KW
- 4-core power aviation connector, for flange 180
- Note *1 Under development, and will be released in 2023.

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W
- 4-hole power plastic connector
- 23 PWB-CON 750W
- 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT Absolute battery box









Series	D	Madalmana	23bit	20bit	Bra	ke	0:1 1	Fl	Shaft	Regular	Applicable	Serie	S -		[]Control mode [A] Pulse	e control / [B] EtherCAT / [K]MECI	HATROLINK-III / [R] Profinet	Power
name	Power	Model name	Absolute	Absolute Increme	Yes	No	Oil seal	Flange	diameter	Regular models	accessories	Serie name	e Pow	ver –	General-purpose:Y7N[]	Standard:Y7E[]	Full-functional:Y7F[]	specifications Notes
		SV-X6MG085S-N4LD				•		130	ф22	Aviation	1 1 2 3							
	850W	SV-X6MG085S-B4LD			•			130	ΨΖΖ	connector	10 12 14 31		050)\\\	LIN V7N [] 100T C	LINI VZE [] 100T C	LINI V7E[] 100T C	Three-phase
	85000	SV-X6MG085S-N4LA				•		130	ф22	Aviation	1 1 2 3		850) VV	HN-Y7N[]100T-S	HN-Y7E[]100T-S	HN-Y7F[]100T-S	AC380V
		SV-X6MG085S-B4LA			•			130	ΨΖΖ	connector	11 12 14 31							
		SV-X6MG130S-N4LD				•		130	ф22	Aviation	1 1 2 3							
	1 21 14	SV-X6MG130S-B4LD			•			130	ΨΖΖ	connector	1 1 1 1 3		1.21		UNI V7NI [] 200T C	UNIVZE[]200T.C	UNI VZE[] 200T C	Three-phase
	1.3kW	SV-X6MG130S-N4LA				•		130	ф22	Aviation	0 0 3		1.3k	KVV	HN-Y7N[]200T-S	HN-Y7E[]200T-S	HN-Y7F[]200T-S	AC380V
		SV-X6MG130S-B4LA			•			130	ΨΖΖ	connector	10 12 14 31							
X6-MGS		SV-X6MG180S-N4LD				•		130	ф22	Aviation	0 0 3	X6-MG						
Low- cogging	1 0144	SV-X6MG180S-B4LD			•			130	ΨΖΖ	connector	1 1 1 1 3	Low- coggin		LAM	UNI V7NI [] 200T C	LINI VZET 1200T C	LIN V7F[] 200T C	Three-phase
Cutting	1.8kW	SV-X6MG180S-N4LA				•		130	ф22	Aviation	0 0 0	coggin Cuttin	g 1.8k	KVV	HN-Y7N[]300T-S	HN-Y7E[]300T-S	HN-Y7F[]300T-S	AC380V
series		SV-X6MG180S-B4LA			•			130	ΨΖΖ	connector	0 0 0 0	series	5					
		SV-X6MG290S-N4LD				•					0 6 9							
	2 01 11	SV-X6MG290S-B4LD			•			180	425	Aviation	0 4 5 3		2.01	LAAL	HN-Y7N[]500T-S	HN-Y7E[]500T-S	HN-Y7F[]500T-S	Three-phase
	2.9kW	SV-X6MG290S-N4LA				•		100	ф35	connector	0 6 9		2.9k	KVV	HIV-17IV[]3001-3	HIN-17E[]3001-3		AC380V
		SV-X6MG290S-B4LA			•						1 1 4 5 3							
		SV-X6MG440S-N4LD				•					0 6 9							
	4.4kW	SV-X6MG440S-B4LD			•		•	100	425	Aviation	11 15 31		4 41	LAM	HN-Y7N[]600T-S	HN-Y7E[]600T-S	HN-Y7F[]600T-S	Three-phase
	4.4KVV	SV-X6MG440S-N4LA				•		180	ф35	connector	0 6 9		4.4k	KVV	1111-1111[]0001-3	1114-172[]0001-3		AC380V
		SV-X6MG440S-B4LA			•						1 1 1 3							

- Accessories specifications for connector-type servo motors of flange 40 to 80
- SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- SVCAB-ENC075CA-***L-05
- 3 SVCAB-PWR010CA-***L-05
- 4 SVCAB-PWB010CA-***L-05

- Incremental encoder cable UVW power cable(no brake) 50W to 100W
 - UVW power cable(with brake) 50W to 100W
- **5** SVCAB-PWR075CA-***L-05 UVW power cable(no brake) 200W to 1KW
- 6 SVCAB-PWB075CA-***L-05 UVW power cable(with brake) 200W to 1KW

- Aviation connector specifications for servo motor of flange 100&130&180
- ENC-TE-LW 1KW Encoder accessories (10-pin aviation connector + 1394 connector)
- PWR-CON 1KW 4-core power aviation connector, for flange 100&130
- 13 PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange
- 14 PWB-CON-1KW 2-core brake power connector
- 15 PWR-CON 7.5KW 4-core power aviation connector, for flange 180

- Accessories specifications for lead-wire type servo motor of flange 40 to 80
- 21 ENC-TE 750W
- 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- 22 PWR-CON 750W 23 PWB-CON 750W
- 4-hole power plastic connector 2-hole power brake plastic connector
- Other accessories specifications
- 31 SV-BAT Absolute battery box







SVCAB-ENC 075 C A – ABS-010L-05

1 Prod	Product type	
ENC	Encoder cable	
PWR	4-core power cable	
PWB	6-core power cable with brake	

	• •
ABS	Absolute
N/A	Incremental

Encoder type

2 Motor	power
010	50W~150W
075	200W~1KW

6 Length specifications (unit 0.1m)		
	L	Length identification

3 Connector-type	
С	Flange 40 to 80

Cubic III	chibitity
01	Fixed
05(regular)	500 million times
10	10 million times
20	2 million times
A0	For swinging

Cable flexibility









Accessories Specifications for Connector-type Servo Motor

Cables	Model name	Diagram
Absolute encoder cable	SVCAB-ENC075CA-ABS-***L-05	battery+
Incremental encoder cable	SVCAB-ENC075CA-***L-05	Label
50W~150W UVW power cable	SVCAB-PWR010CA-***L-05	Label
50W~150W UVW power cable with brake	SVCAB-PWB010CA-***L-05	Label
200W~1000W UVW power cable	SVCAB-PWR075CA-***L-05	Label
200W~1000W UVW power cable with brake	SVCAB-PWB075CA-***L-05	Label





/// Advantages

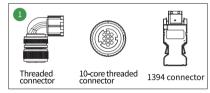
- The motor cables connected directly to the servo drive, reducing the connection and greatly improving the reliability.
- The protection level of the motor connector upgraded to IP67, vibration-resistance, dustproof and waterproof.
- Encoder cables are treated with metal shielding layer, which has strong anti-interference ability!
- Various specifications of cables can be customized based on the different application occasions. HCFA designated high-quality raw material suppliers for centralized procurement. (See Naming Rule 7 for cables)

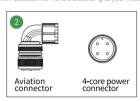
From the 2nd quarter of 2021, our company started releasing connector-type servo motors as the regular model. The lead-wire servo motors will be discontinued from December 2021, if you still need the lead-wire servo motor, the customized application process is required.

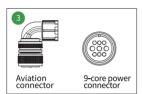
Aviation connectors for servo motor of flange 100&130, 180&220

Accessories	Model name	Diagram
Encoder thread accessories (10-pin thread connector '1 + 1394 connector)	ENC-TE-LW 1KW	1
4-core power aviation connector, for flange 100&130	PWR-CON 1KW	2
9-pin brake power aviation connector, for flange 100&130	PWR-CON 1KW-9P	3
2-core brake power connector ¹²	PWB-CON-1KW	4
4-core power aviation connector, for flange 180	PWR-CON 7.5KW	5
Absolute battery box with 1394 connector	SVBOX-ENCABS	6
2-core fan power connector	PWR-CON-F	7

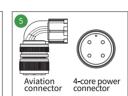
1: When used in vibration occasions, please use the encoder thread accessories. 2: Only the models of flange of 130 &180&220 are required. 3: When matching with an absolute servo motor, choose one from accessories 7 and 9 according to your needs.

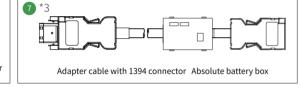














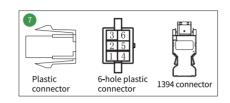
Other Accessories Specifications

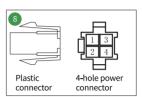
Accessories	Model name	Applicable servo drive/Spec.	Description
Absolute battery box 8	SV-BAT	For all the absolute servo motors	Can be installed on the front of models of Y7 series 6kw and 7.5kw housing or SVCAB-ENC075CA-ABS-***L-05 encoder cable
EtherCAT bus cable	SV-ECAT-0.35M	HN-Y7 □B □□□□ A	For EtherCAT bus models For CN6A, CN6B Length: 0.35m
External brake resistance	External brake resistance SV-BRAKE-1KW 1kw 50Ω 350m		Selected when the power of the built-in resistor isinsufficient, and connected to the main circuit B1 and B2 ports
External brake resistance	SV-BRAKE-75A	60w 50Ω 350mm Aluminum shell	Selected when the power of the built-in resistor isinsufficient, and connected to the main circuit B1 and B2 ports
Anti-interference magnetic ring	Magnetic ring	Installed on the servo drive, signal line, power cable and encoder cable to anti-interference	

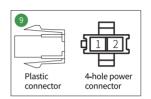
Waterproof Connectors/ Compact Accessories	Specifications	
ENC-TE 750W-F	6-core waterproof encoder connector + 1394 connector encoder accessory pack	
PWR-CON 750W-F	4-core waterproof power connector, for flange 40 to 80	
PWB-CON 750W-F	6-core waterproof power connector with brake, for flange 40 to 80	
PWR-CON 1KW-F	6-core waterproof power connector, for flange 130	

Accessories for servo motor of flange 40 to 80

Accessories	Model name	Diagram
2 packs of encoder accessories ((6-hole plastic connector + 1394 connector)	ENC-TE 750W	7
4-hole power connector accessories	PWR-CON 750W	8
6-hole power brake connector accessories	PWB-CON 750W	9







Cables for Lead-wire Type Servo Motor(customized products)

Encoder cables	Specifications
CAB-ENC75A-3M	Incremental encoder cable, for lead-wire type servo motor of flange 40 to 80, 3 meters
SVCAB-ENC75A-3M	Absolute encoder cable, for lead-wire type servo motor of flange 40 to 80, 3 meters
CAB-ENC100A-LW-3M	Incremental encoder cable, for lead-wire type servo motor of flange 100&130&180, 3 meters
CAB-ENC100A-ABS-LW-3M	Absolute encoder cable with battery box, for lead-wire type servo motor of flange 100&130&180, 3 meters
Power cables	Specifications
CAB-PWR75A-3M	4-core power cable, for lead-wire type servo motor flange 40 to 80, 3 meters
CAB-PWR100A-3M	4-core power cable, for lead-wire type servo motor flange 100&130, 3 meters
CAB-PWR400C-3M	4-core power cable, for lead-wire type servo motor of 2KW to 5KW, flange 180, 3 meters
CAB-PWR750C-5M	4-core power cable, for aviation connector type servo motor of 5.5KW to 7.5KW, flange 180, 5 meters
Power brake cable	Specifications
CAB-PWB75A-3M	6-core power brake cable, for lead-wire type servo motor of flange 40 to 80, 3 meters
CAB-PWB100A-3M	9-core power cable, for aviation-connector type servo motor of flange130, 3 meters
CAB-PWD100A-3M	2-core power cable, for aviation-connector type servo motor of flange 100&130&180, 3 meters
Waterproof-connector cable	Specifications
SVCAB-ENC75A-3M-F	6-core waterproof absolute encoder cable, for servo motor of flange 40 to 130, 3 meters
CAB-PWR75A-3M-F	4-core waterproof power cable, for lead-wire type servo motor flange 40 to 80, 3 meters
CAB-PWB75A-3M-F	6-core waterproof power brake cable, for lead-wire type servo motor flange 40 to 80, 3 meters
CAB-PWB100A-3M-F	6-core waterproof power brake cable, for aviation-connector type servo motor of flange 130, 3 meters

SV Series Gear Motor

HCFA gear motor adopts the integrated design of motor and reducer, with the features of high integration, high reliability, high precision and high efficiency, which can meet the needs of customers for mechatronics integration and suitable for transmission applications in various industries.

More powerful More efficient

High integration, significantly improve the motor performance

- The whole machine shortened by 25%, the installation space greatly saved
- The shaft of the motor connection shortened and the rigidity improved
- The load inertia reduced, lower the vibration and noise



High accuracy for precise control

- High-precision helical gear reduction design, end runout reduced and precision improved
- The highest backlash accuracy≤3arcmin
- High-precision 20bit magnetic encoder/23bit optical encoder



High efficiency, convenient model selection and efficient transmission

- Standardized products, convenient model selection
- Installation time saved and TCO costs reduced
- Max3.5 times overload motor, transmission efficiency 95%, more efficient



SV-X6MM Series of High Power

New Generation of Feiling Sensor

Powerful High-precision Strong Reliable

Y75 Series High-power Servo Drive

- Rich buses, controlled by the "Chip"
- Can match with high-precision 20bit magnetic encoder/23bit optical encoder
- Independent air duct, no fear of harsh environment
- Provide a variety of installation methods, can be wall-mounted or installed through the wall

Ether CAT.

MECHATROLINK

• Built-in temperature detection unit, can connect external temperature detection element

AC380V

70Nm	96Nm	140Nm
11KW/	15KW	22KW

SV- X6MM Series Servo Motor of Middle Inertia and Flange 220*1

- Power expanded to 22KW, to provide servo motor of 70Nm~140Nm
- Standard flange 220 design, the main specifications are consistent with other famous brands
- For models above 15KW, air forced cooling, with low temperature rise and long service life

 Maximum 2.5 times of overload design, more powerful Rated 1500rpm, maximum 2000rpm • Protection level IP65, more stable and reliable Note 1: For detailed specifications, please refer to page 65, 66, 83 and 84.





HCFA TP3000 Series Touch Screen

Focus on 9 major industries of industrial automation and create overall solutions!



CODESYS platform

Standard IEC61131-3 specification 6 programming languages



Based on standard PLC OPEN standard motion control

Linear/circular/spiral interpolation / electronic cam / flying shear / rotary shear













New upgrade for TP2000 series, Performance greatly improved for TP3000 series

More beautiful product appearance, more stable performance, more functions to meet

customers' requirements in different applications.



Performance

ARM platform, Higher performance, 50% improved compared to last generation products



Interfaces

Ethernet, communication port, USB and SD card supported



Size

Full range of sizes, exquisite appearance and easy to install



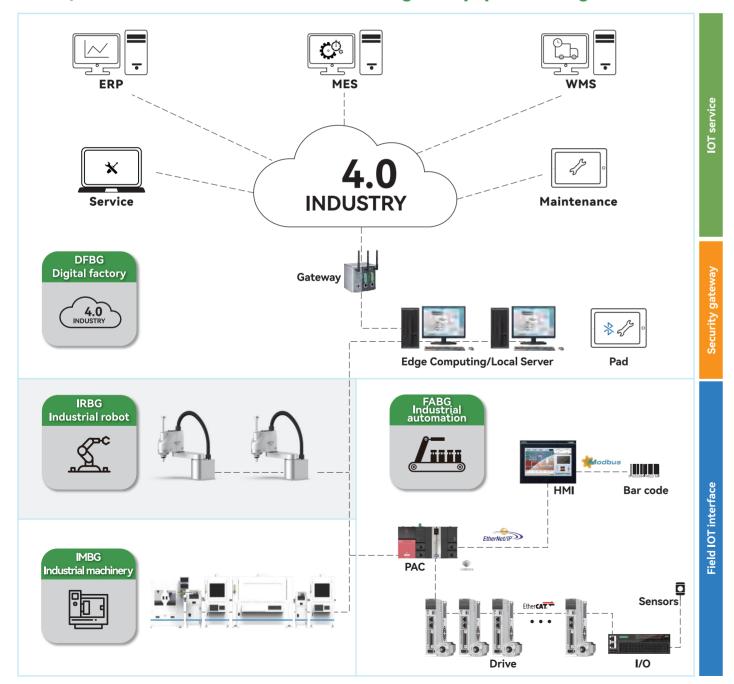
Easy-to-use

New configuration software-HiStudio, make the operation much easier



Focusing on industry and intelligent manufacturing

We not only provide the core components of industrial automation, but also engage in the industrial process, industrial robots, industrial machines, and digital factories, and can provide enterprises with comprehensive solutions of automation + intelligent equipment + digitalization



Founded in 2011, Zhejiang Hechuan Technology Co., Ltd. is an enterprise focusing on the R&D, manufacturing, sales and application integration of industrial automation products, and is committed to providing core components and system integration solutions for smart factories. The main products include PLCs, servo systems, vision systems, encoders, inverters, touch screens, electric drums, etc., covering the entire field of industrial automation





- Established five R&D centers in Longyou, Hangzhou, Shenzhen, Dalian and Suzhou
- Self-designed ASIC and SOC chips, realize localization replacement
- First-class AMR magnetic technology/high-precision encoder in the industry