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HCFA

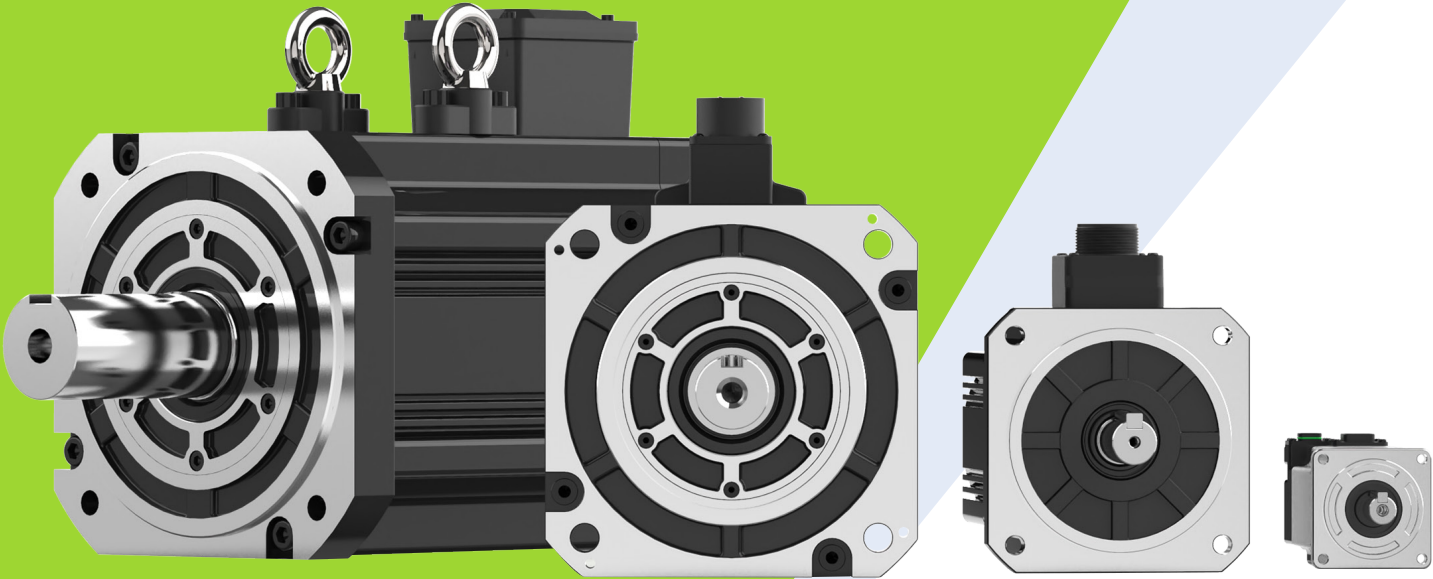


ATC

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Manual No.March, 2024 Issue No. 4
Due to the delay in updating the paper version, please refer to the
official website for the latest product information.

X-MOTOR

Servo Motor Catalog

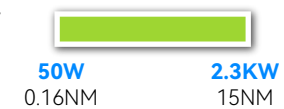


Superior combination of
power
and
performance

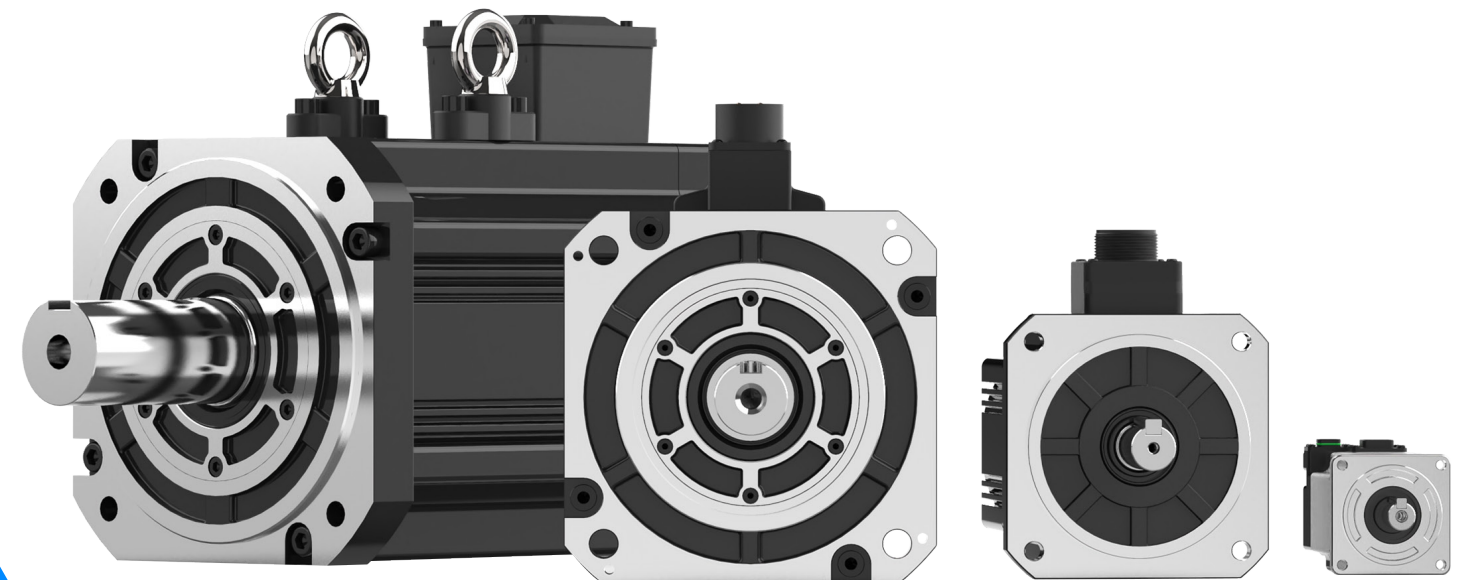
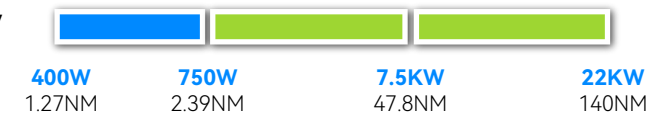
HY-MOTOR

- **8** major series
Models up to **80+**

- **AC220V**



- **AC380V**

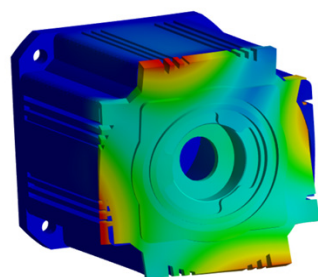




High rigidity

The integrated front flange and shell effectively avoids resonance and improves structural strength and rigidity through optimized structural design

① 30mm 模态
② 模态 11
③ 模态 2501.15 Hz
④ 模态 2501.15 Hz
⑤ 模态 2501.15 Hz
⑥ 模态 2501.15 Hz
⑦ 模态 2501.15 Hz
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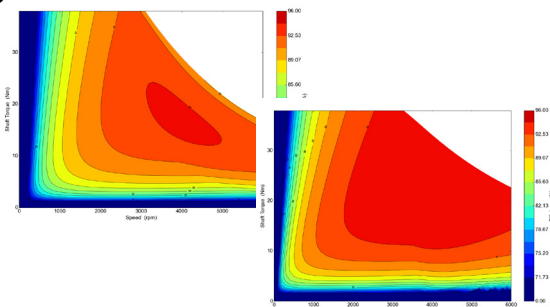


NVH and modal simulation analysis



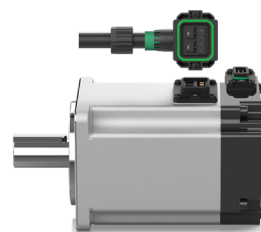
High performance

High overload torque, up to **350%** overload for small-power motors and up to **300%** overload for high-power motors



High reliability

IP67 protection level, connector-type motor body dustproof and waterproof, and oil-resistant cable goes directly to servo drive, reducing the transfer links and greatly improving reliability



Low temperature rise

The optimized heat dissipation structure can effectively reduce the temperature rise by up to 20°C



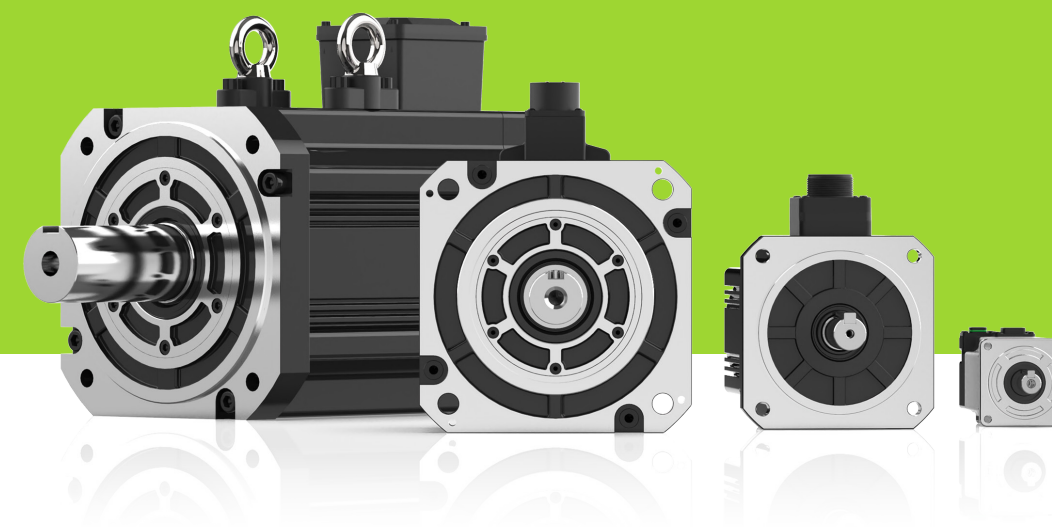
Smaller size

Lightweight design, smaller installation size, **15%** shorter in length compared to the previous generation of products



Low energy consumption

The entire series can meet GB30253 Level **1** energy efficiency standards





10 years **1** 10,000,000 axes+

Stable application

Highly reliable magnetic servo motor

The **X2** series servo motors use absolute magnetic encoders, with a resolution increased from 17 bits to 20bit,^{Note1} which can achieve better positioning accuracy and stability. While improving the accuracy level, it also has environmental resistance, making it widely used in various industries!

- **AC220V**
50W 0.16NM 2.3KW 15NM

- **8** major series
Models up to **40+**

Note 1: The X2 series servo motor PNXXXM version has a 20-bit resolution when used with the Y7 servo drive, and a 17-bit resolution when used with other series servo driver.



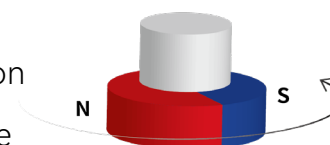
High cost-performance

Compared to optical encoders, magnetic encoder servo motors use a modular installation structure, which can be maturely produced on a large scale and can also provide customers with greater economic benefits.



High stability

Optimized circuit design and communication verification algorithm, while having excellent EMC anti-interference ability, can also obtain better stability.



High reliability

Adopting magnetic encoder, anti-oil, anti-vibration, with high protection structure design, it can easily cope with various harsh environments.



High-precision



Anti-vibration



Anti-oil



Dustproof

SV-X2 MA 040 A - N 2 C A - ****

1 2 3 4 5 6 7 8 Special specifications

1	Series name
SV-X2 series	20BIT

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
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 specifications
N	No brake
B	With brake

6	Voltage specifications
2	AC220V

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

8	Encoder specifications
A	Multi-turn 20bit absolute

9	Customization
**	N/A

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 78 or consult our sales staff.



20bit absolute 220v 400W MA Low inertia Naming rule SV-X2MA040A-N2CA

Series	Specifications	50W	100W	150W	200W	400W	600W	750W	900W	1.0KW	1.2KW	1.5KW	1.8KW	2.0KW
X2-MA Low inertia	Model	X2MA005A	X2MA010A	X2MA015A	X2MA020A	X2MA040A	X2MA060E	X2MA075A	X2MA090E	X2MA100A	X2MA120E	X2MA150A	X2MA180E	X2MA200A
	Flange(mm)	□40	□40	□40	□60	□60	□110	□80	□110	□100	□110	□100	□110	□100
	Rated [Peak torque](N·m)	0.16[0.56]	0.32[1.12]	0.477[1.43]	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]	5.73[17.2]	6.37[19.1]
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)	0.026[0.027]	0.041[0.042]	0.065[0.066]	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]	8.6[9.7]	3.68[4.01]
	Rotation speed: Rated [Max. speed]	3000[6500]	3000[6500]	3000[6000]	3000[6000]	3000[6000]	3000[5000]	3000[6000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]
	220V	20	20	20	20	20	20	20	20	20	20	20	20	20
	Model											X2MA150E		
	Flange(mm)											□110		
	Rated [Peak torque](N·m)											4.77[14.3]		
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)											7.3[8.4]		
X2-MM Middle inertia	Rotation speed: Rated [Max. speed]											3000[5000]		
	220V											20		
	Model									X2MM100A		X2MM150A		X2MM200A
	Flange(mm)									□130		□130		□130
	Rated [Peak torque](N·m)									4.77[14.3]		7.16[21.5]		9.55[28.6]
X2-MMS Middle inertia high speed series	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)									6.18[7.4]		9.16[10.4]		12.1[13.3]
	Rotation speed: Rated [Max. speed]									2000[3000]		2000[3000]		2000[3000]
	220V									20		20		20
	Model									X2MM100S		X2MM150S		X2MM200S
	Flange(mm)									□130		□130		□130
X2-MH High inertia	Rated [Peak torque](N·m)									4.77[14.3]		7.16[21.5]		9.55[28.6]
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)									9.16[10.4]		12.1[13.3]		16.85[18.05]
	Rotation speed: Rated [Max. speed]									2000[5000]		2000[5000]		2000[5000]
	220V									20		20		20
	Model	X2MH005A	X2MH010A	X2MH015A	X2MH020A	X2MH040A	X2MH060A	X2MH075A		X2MH100A		X2MH150A		
X2-MHH Ultra high inertia	Flange(mm)	□40	□40	□40	□60	□60	□60	□80		□130		□130		
	Rated [Peak torque](N·m)									4.77[14.3]		7.16[21.5]		
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)									30.8[32]		38.5[39.7]		
	Rotation speed: Rated [Max. speed]									2000[3000]		2000[3000]		
	220V		20	20	20	20	20	20		20		20		
X2-MQ Special flange Flat-type/ small flange	Model		X2MH010H		X2MH020H	X2MH040H		X2MH075H						
	Flange(mm)		□40		□60	□60		□80						
	Rated [Peak torque](N·m)		0.32[1.11]		0.64[2.23]	1.27[4.45]		2.39[8.36]						
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)		0.092[0.095]		0.47[0.49]	0.73[0.75]		3.15[3.2]						
	Rotation speed: Rated [Max. speed]		3000[6500]		3000[6500]	3000[6500]		3000[6000]						
X2-MQ Special flange Flat-type/ small flange	220V		20		20	20		20						
	Model		X2MQ010A		X2MQ020A	X2MQ040A				X2MQ100E				
	Flange(mm)		□60		□80	□80				□80				
	Rated [Peak torque](N·m)		0.32[0.96]		0.637[1.91]	1.27[3.82]				3.185[11.13]				
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)		0.14[0.16]		0.47[0.5]	0.87[0.9]				2[2.1]				
X2-MQ Special flange Flat-type/ small flange	Rotation speed: Rated [Max. speed]		3000[6500]		3000[6500]	3000[6500]				3000[6000]				
	220V		20		20	20				20				

Series	Specifications	400W	750W	1KW	850W	1.3KW	1.8KW	2.3KW						
X2-MG Low-speed & high-torque	Model		X2MG075A	X2MG100A	X2MG085A	X2MG130A	X2MG180A	X2MG230A						
	Flange(mm)		□80	□130	□130	□130	□130	□130						
	Rated [Peak torque](N·m)		4.77[14.3]	9.55[28.6]	5.41[16.2]	8.28[24.84]	11.5[34.5]	15[33]						
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)		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]						
X2-MGS Low -cogging cutting series	220V		20	20	20	20	20	20						
	Model	X2MG040S	X2MG075S		X2MG085S	X2MG130S	X2MG180S							
	Flange(mm)	□60	□80		□130	□130	□130							
	Rated [Peak torque](N·m)	1.27[4.45]	2.38[8.35]		5.39[16.2]	8.28[24.84]	11.5[34.5]							
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)	0.65[0.67]	1.9[2]		13.9[15.1]	19.9[21.1]	26[27.2]							
X2-MGS Low -cogging cutting series	Rotation speed: Rated [Max. speed]	3000[7000]	3000[7000]		1500[4000]	1500[4000]	1500[4000]							
	220V	20	20		20	20	20							

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

Servo Motor Specifications

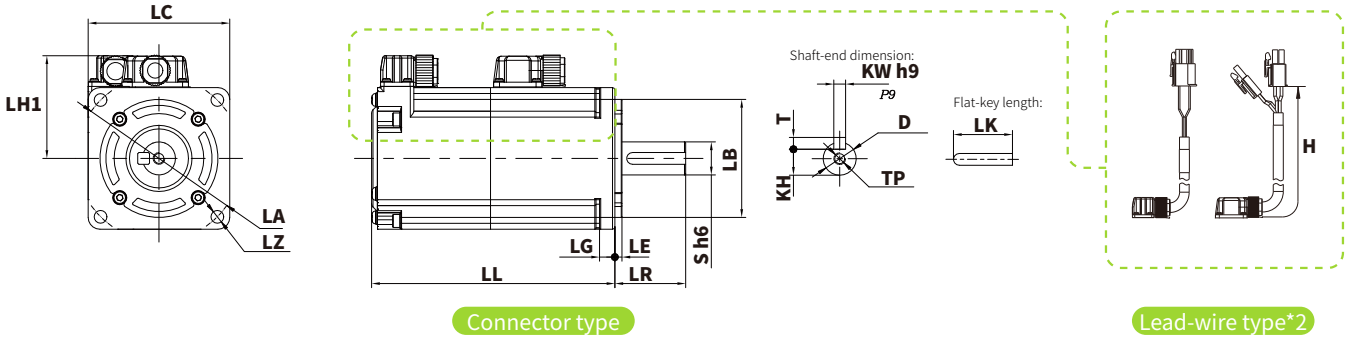
Items		Unit	X2MA005A	X2MA010A	X2MA015A	X2MA020A
Rated power		W	50	100	150	200
Rated voltage		V	220	220	220	220
Fitting flange size		mm	40	40	40	60
Rated torque		N.m	0.16	0.32	0.477	0.64
Instantaneous max. torque		N.m	0.56	1.12	1.43	1.91
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	6500	6500	6000	6000
		Note			*1	*1
		NOTE 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	1.2	1.4	1.7
Instantaneous max. current		Arms	4.6	4.6	4.2	6.5
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.026	0.041	0.065	0.16
	With brake	x10 ⁻⁴ Kg.m ²	0.027	0.042	0.066	0.17
Torque constant		N.m/A	0.132	0.265	0.341	0.427
Induced voltage constant per phase		mV[r/min]	5.1	10.48	13.56	14.5
Rated power rate	No brake	KW/S	14.3	29.1	21.4	25.6
	With brake	KW/S	12.9	27.5	20.5	24.1
Mechanical time constant	No brake	ms	1.51	1.12	2.31	0.775
	With brake	ms	1.69	1.28	2.41	0.824
Electrical time constant		ms	0.75	0.97	1.32	6.3
Weight: No brake[with brake]		kg	0.34[0.55]	0.44[0.65]	0.57 [0.74]	0.9 [1.3]
Permissible load	Radial load	N	68	68	68	245
	Axial load	N	58	58	58	98
Brake specifications	Rated voltage	V	DC24V±10%			
	Rated current	A	0.25	0.25	0.375	0.36
	Brake power	w	7	7	8.5	7.3
	Static friction torque	N.m	0.38 or more	0.38 or more	0.58 or more	1.6 or more
	Suction time	ms	35 or less	35 or less	50 or less	50 or less
	Release time	ms	20 or less	20 or less	20 or less	20 or less
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more	DC1V or more
	Note: Holding brake					

External Dimensions for Servo Motor

Unit(mm)

Models	X2MA005A	X2MA010A	X2MA015A	X2MA020A
LC	40	40	40	60
LA	φ46	φ46	φ46	φ70
LB	φ30	φ30	φ30	φ50
LZ	2-φ4.3	2-φ4.3	2-φ4.3	4-φ5.4
LR	25	25	25	30
S	φ8 h6	φ8 h6	φ8 h6	φ14 h6
LL no brake [with brake]	60.1 [90.5]	76.7 [107.1]	93.8 [124.2]	73.5 [103]
LN no brake [with brake]	—	—	—	—
LG	5	5	5	6.5
LE	3	3	3	3
LM1 no brake [with brake]	—	—	—	—
LM2 no brake [with brake]	—	—	—	—
LM3	—	—	—	—
LH1	35	35	35	44.5
LH2	—	—	—	—
LH3	—	—	—	—
LK	14	14	14	25
T	3	3	3	5
KW	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

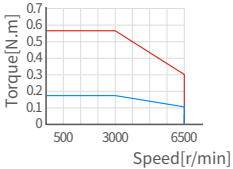
X2MA005A / X2MA010A / X2MA015A / X2MA020A



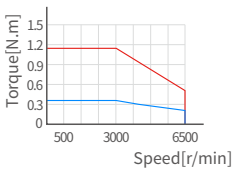
Note 2: For X2 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

Torque characteristics

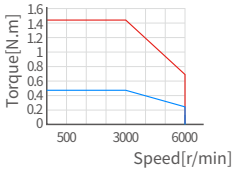
Instantaneous operation range Continuous operation range



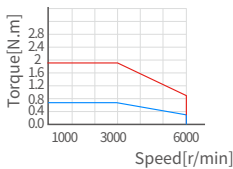
X2MA005A ▲



X2MA010A ▲



X2MA015A ▲



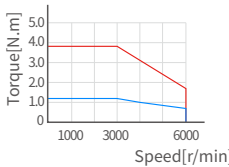
X2MA020A ▲

Servo Motor Specifications

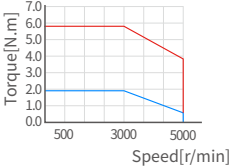
Items		Unit	X2MA040A	X2MA060E	X2MA075A	X2MA090E
Rated power		W	400	600	750	900
Rated voltage		V	220	220	220	220
Fitting flange size		mm	60	110	80	110
Rated torque		N.m	1.27	1.91	2.39	2.86
Instantaneous max. torque		N.m	3.82	5.73	7.16	8.6
Rated speed		r/min	3000	3000	3000	3000
		r/min	6000	5000	6000	5000
Max. speed			*1		*1	
		NOTE 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	2.7	3	4.2	4.5
Instantaneous max. current		Arms	10.2	9	17.4	13.5
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.28	3.1	0.96	4.5
	With brake	x10 ⁻⁴ Kg.m ²	0.29	4.2	1.07	5.6
Torque constant		N.m/A	0.488	0.63	0.583	0.63
Induced voltage constant per phase		mV[r/min]	17.9	24.48	21.33	24.52
Rated power rate	No brake	KW/S	57.6	11.3	59.5	17.1
	With brake	KW/S	55.6	10.6	53.4	16.4
Mechanical time constant	No brake	ms	0.561	1.77	0.463	1.98
	With brake	ms	0.581	1.87	0.516	2.07
Electrical time constant		ms	6.1	7.8	12.7	6.78
Weight: No brake[with brake]		kg	1.28 [1.67]	3.1 [4.4]	2.25 [3.01]	3.7 [5]
Permissible load	Radial load	N	245	392	392	392
	Axial load	N	98	147	147	147
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.36	0.81	0.42	0.81
	Brake power	W	7.3	19.5	9.6	19.5
	Static friction torque	N.m	1.6 or more	12 or more	3.8 or more	12 or more
	Suction time	ms	50 or less	100 or less	70 or less	100 or less
	Release time	ms	20 or less	60 or less	20 or less	60 or less
	Release voltage	V	DC1V or more	DC1.5V or more	DC1V or more	DC1.5V or more

Torque characteristics

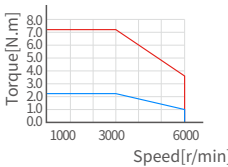
Instantaneous operation range Continuous operation range



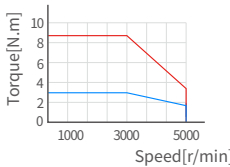
X2MA040A ▲



X2MA060E ▲



X2MA075A ▲



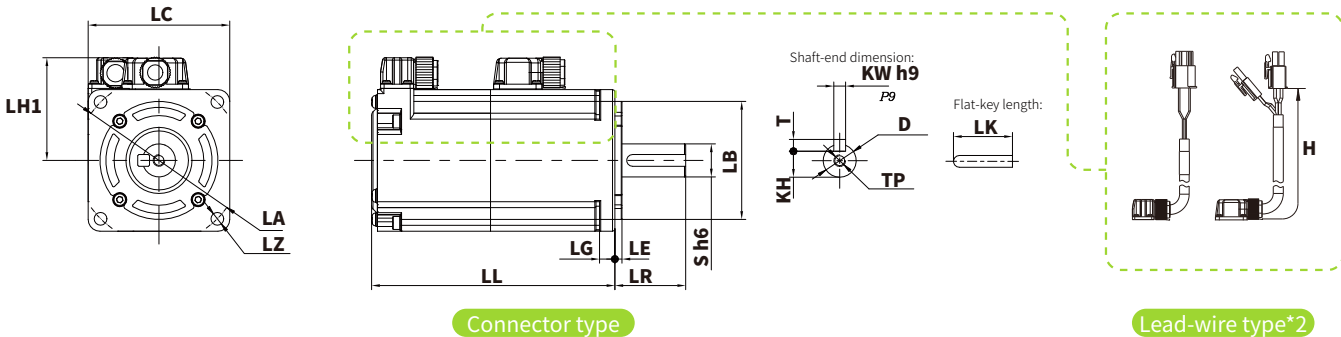
X2MA090E ▲

External Dimensions for Servo Motor

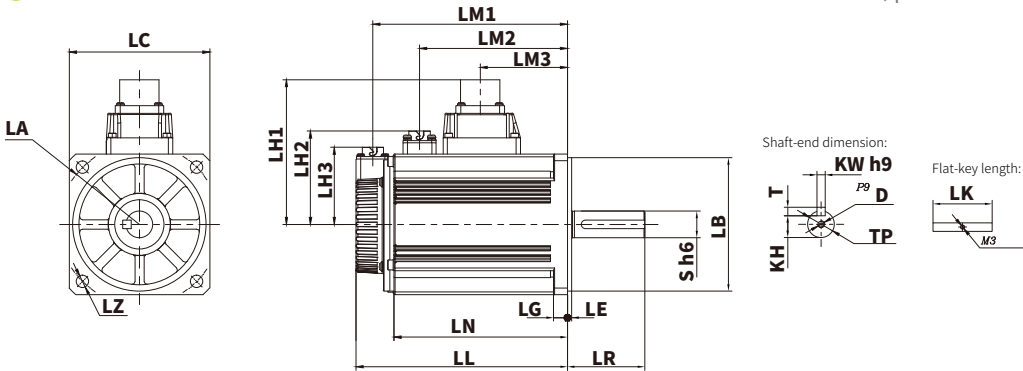
Unit(mm)

Models	X2MA040A	X2MA060E	X2MA075A	X2MA090E
LC	60	110	80	110
LA	φ70	φ130	φ90	φ130
LB	φ50	φ95	φ70	φ95
LZ	4-φ5.4	4-φ9	4-φ6.5	4-φ9
LR	30	55	35	55
S	φ14 h6	φ19 h6	φ19 h6	φ19 h6
LL no brake [with brake]	93.2 [122.7]	108 [135]	105 [138.5]	118 [146]
LN no brake [with brake]	—	81[108]	—	91[119]
LG	6.5	12	8	12
LE	3	5	3	5
LM1 no brake [with brake]	—	96[123]	—	106.5 [133.5]
LM2 no brake [with brake]	—	[90]	—	[100.5]
LM3	—	47	—	57
LH1	44.5	102	54.5	102
LH2	—	71.5	—	71.5
LH3	—	55	—	55
LK	25	42	25	42
T	5	6	6	6
KW	5 h9	6 h9	6 h9	6 h9
KH	11	15.5	15.5	15.5
TP	M5 depth 12	M5 depth 12	M5 depth 10	M5 depth 12
H type cable length for lead-wire type	210	—	210	—

X2MA040A / X2MA075A



X2MA060E / X2MA090E



Servo Motor Specifications

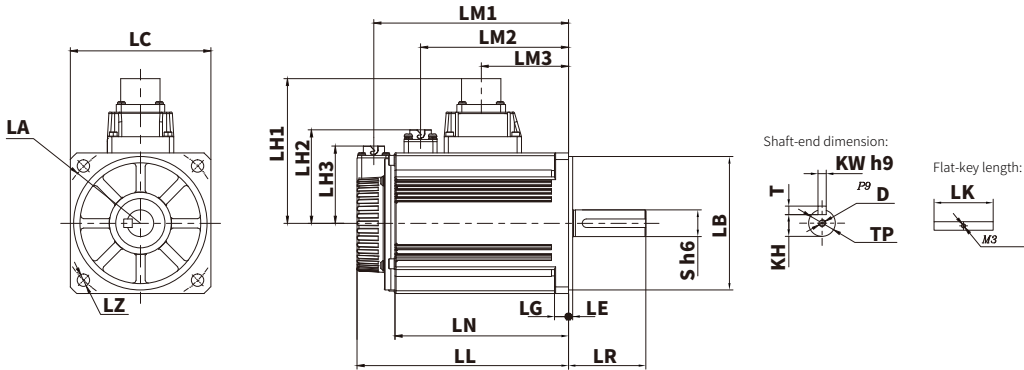
Items		Unit	X2MA100A	X2MA120E	X2MA150A	X2MA150E	X2MA180E	X2MA200A
Rated power		W	1000	1200	1500	1500	1800	2000
Rated voltage		V	220	220	220	220	220	220
Fitting flange size		mm	100	110	100	110	110	100
Rated torque		N.m	3.18	4	4.77	4.77	5.73	6.37
Instantaneous max. torque		N.m	9.55	12	14.3	14.3	17.2	19.1
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 max. 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 constant		N.m/A	0.52	0.63	0.628	0.63	0.63	0.607
Induced voltage constant per phase		mV[r/min]	18.15	23.55	21.92	23.2	24	21.247
Rated power rate	No brake	KW/S	49.82	23.1	80.12	28	34.7	110.26
	With brake	KW/S	43.03	22.1	71.775	27.3	34	101.19
Mechanical time constant	No brake	ms	0.619	1.5	0.507	1.47	1.38	0.425
	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
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]
Permissible load	Radial load	N	392	392	392	392	392	392
	Axial load	N	147	147	147	147	147	147
Brake specifications	Rated voltage	V	DC24V±10%					
	Rated current	A	0.81±10%	0.81±10%	0.81±10%	0.81	0.81	0.81±10%
	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	Suction time	ms	50 or less	100 or less	50 or less	100 or less	50 or less
		Release time	ms	15 or less	60 or less	15 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

External Dimensions for Servo Motor

Unit(mm)

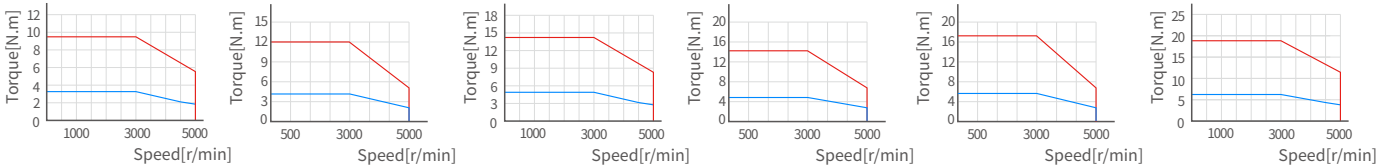
Models	X2MA100A	X2MA120E	X2MA150A	X2MA150E	X2MA180E	X2MA200A
LC	100	110	100	110	110	100
LA	φ115	φ130	φ115	φ130	φ130	φ115
LB	φ95	φ95	φ95	φ95	φ95	φ95
LZ	4-φ9	4-φ9	4-φ9	4-φ9	4-φ9	4-φ9
LR	55	55	55	55	55	55
S	φ19 h6	φ19 h6	φ19 h6	φ19 h6	φ19 h6	φ19 h6
LL no brake [with brake]	123.5 [150.5]	129.5 [157]	142 [169]	140 [167]	150.5 [178]	161 [188]
LN no brake [with brake]	96.5[123.5]	102.5[123]	115[142]	113[140]	123.5[151]	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]	117.5 [144.5]	130[157]	128 [155]	138.5 [165.5]	149 [176]
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	66.5	71.5	66.5	71.5	71.5	66.5
LH3	55	55	55	55	55	55
LK	42	42	42	42	42	42
T	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		—	—	—	—	—

X2MA100A / X2MA120E / X2MA150A / X2MA150E / X2MA180E / X2MA200A



Torque characteristics

Instantaneous operation range Continuous operation range



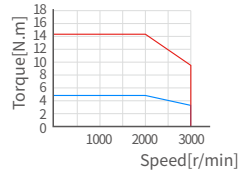
X2MA100A ▲ X2MA120E ▲ X2MA150A ▲ X2MA150E ▲ X2MA180E ▲ X2MA200A ▲

Servo Motor Specifications

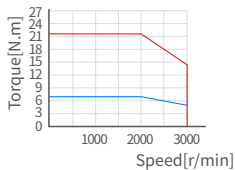
Items		Unit	X2MM100A	X2MM150A	X2MM200A
Rated power		W	1000	1500	2000
Rated voltage		V	220	220	220
Fitting flange size		mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous max. torque		N.m	14.3	21.5	28.6
Rated speed		r/min	2000	2000	2000
		r/min	3000	3000	3000
Max. speed					
Rated current		Arms	5.2	8	9.9
Instantaneous max. current		Arms	15.6	24	30
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	6.18	9.16	12.1
	With brake	x10 ⁻⁴ Kg.m ²	7.4	10.4	13.3
Torque constant		N.m/A	0.918	0.895	0.9645
Induced voltage constant per phase		mV[r/min]	33.65	34.84	37.95
Rated power rate	No brake	KW/S	36.8	56	75.4
	With brake	KW/S	30.7	49.3	68.6
Mechanical time constant	No brake	ms	1.51	1.16	1.05
	With brake	ms	1.81	1.3	1.16
Electrical time constant		ms	11.1	14.6	15.38
Weight: No brake[with brake]		kg	4.67[6.27]	5.87[7.47]	6.98[8.58]
Permissible load	Radial load	N	490	490	490
	Axial load	N	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%		
	Rated current	A	0.9	0.9	0.9
	Brake power	w	22	22	22
	Static friction torque	N.m	14 or more	14 or more	14 or more
	Suction time	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

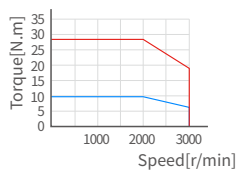
Instantaneous operation range Continuous operation range



X2MM100A▲



X2MM150A▲



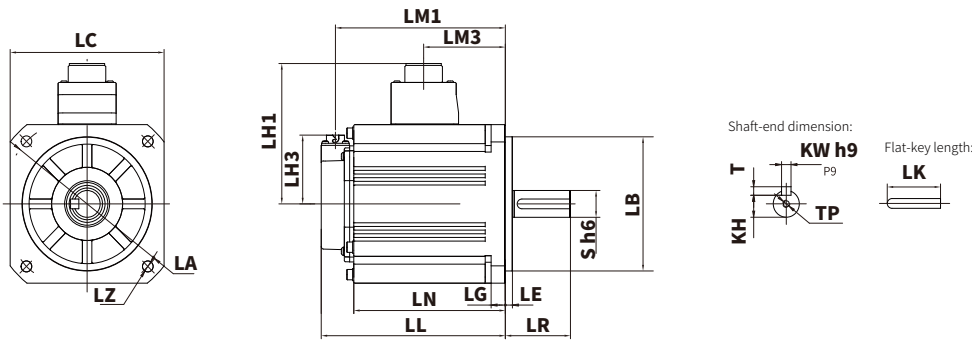
X2MM200A▲

External Dimensions for Servo Motor

Unit(mm)

Models	X2MM100A-□2L□	X2MM150A-□2L□	X2MM200A-□2L□
LC	130	130	130
LA	φ145	φ145	φ145
LB	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9
LR	55	55	55
S	φ22 h6	φ22 h6	φ22 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	6
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
T	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]



Servo Motor Specifications

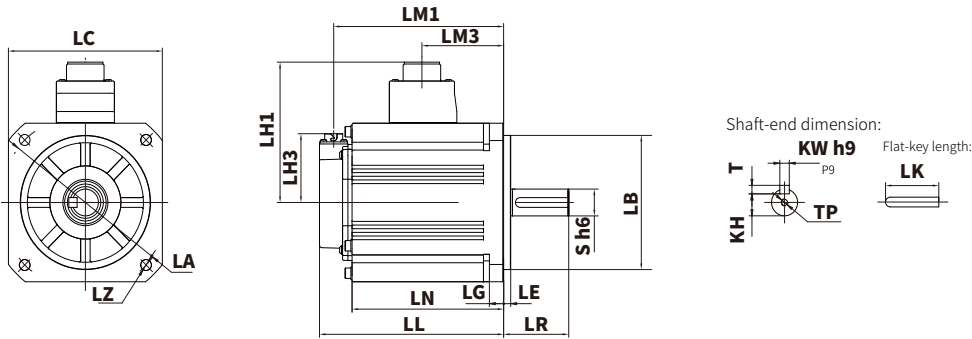
Items		Unit	X2MM100S	X2MM150S	X2MM200S
Rated power		W	1000	1500	2000
Rated voltage		V	220	220	220
Fitting flange size		mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous max. torque		N.m	14.31	21.5	28.6
Rated speed		r/min	2000	2000	2000
		r/min	5000	5000	5000
Max. speed					
Rated current		Arms	8.25	9.5	15
Instantaneous max. current		Arms	25	29	50
Moment of inertia	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 constant		N.m/A	0.573	0.672	0.627
Induced voltage constant per phase		mV[r/min]	21.2	25.9	23
Rated power rate	No brake	KW/S	24.84	42.37	54.13
	With brake	KW/S	21.88	38.55	50.53
Mechanical time constant	No brake	ms	1.24	1.08	0.93
	With brake	ms	1.41	1.18	1
Electrical time constant		ms	13.3	16.13	13.75
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
	Axial load	N	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%		
	Rated current	A	0.9	0.9	0.9
	Brake power	w	22	22	22
	Static friction torque	N.m	14 or more	14 or more	14 or more
	Suction time	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	X2MM100S	X2MM150S	X2MM200S
LC	130	130	130
LA	φ145	φ145	φ145
LB	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9
LR	55	55	55
S	φ22 h6	φ22 h6	φ22 h6
LL no brake [with brake]	121.5 [141.5]	135.5 [155.5]	163.5 [183.5]
LN no brake [with brake]	94 [114]	108 [128]	136 [156]
LG	12	12	12
LE	6	6	6
LM1 no brake [with brake]	109.5 [129.5]	123.5 [143.5]	151.5 [171.5]
LM3	55	69	97
LH1	115	115	115
LH3	56.5	56.5	56.5
LK	45	45	45
T	7	7	7
KW	8 h9	8 h9	8 h9
KH	18	18	18
TP	M6 depth 20	M6 depth 20	M6 depth 20
H type cable length for lead-wire type	—	—	—

X2MM100S / X2MM150S / X2MM200S

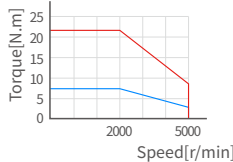


Torque characteristics

Instantaneous operation range Continuous operation range



X2MM100S ▲



X2MM150S ▲



X2MM200S ▲

Servo Motor Specifications

Items		Unit	X2MH005A	X2MH010A	X2MH015A	X2MH020A	X2MH040A	X2MH060A	X2MH075A
Rated power		W	50	100	150	200	400	600	750
Rated voltage		V	220	220	220	220	220	220	220
Fitting flange size		mm	40	40	40	60	60	60	80
Rated torque		N.m	0.16	0.32	0.477	0.64	1.27	1.91	2.39
Instantaneous max. torque		N.m	0.56	1.11	1.43	2.23	4.46	6.68	8.36
Rated speed		r/min	3000	3000	3000	3000	3000	3000	3000
		r/min	6500	6500	6000	6500	6500	6000	6000
Max. speed						*1	*1	*1	*1
		NOTE 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	3.1	3.8
Instantaneous max. current		Arms	3.89	3.89	4.5	4.87	7.36	12	13.3
Moment of inertia	No brake	$\times 10^{-4} \text{Kg.m}^2$	0.038	0.071	0.13	0.29	0.56	0.95	1.56
	With brake	$\times 10^{-4} \text{Kg.m}^2$	0.042	0.074	0.133	0.31	0.58	0.97	1.66
Torque constant		N.m/A	0.168	0.327	0.33	0.5	0.67	0.61	0.648
Induced voltage constant per phase		mV[r/min]	5	11.5	13.66	14.61	20.85	23	22.65
Rated power rate	No brake	KW/S	6.7	14.4	17.5	14.1	28.8	38.8	36.6
	With brake	KW/S	6.1	13.8	17.1	13.2	27.8	37.9	34.4
Mechanical time constant	No brake	ms	2.6	1.67	1.9	1.57	1.24	1.05	0.97
	With brake	ms	2.85	1.74	1.94	1.68	1.29	1.08	1.03
Electrical time constant		ms	0.89	1.1	1.22	2.58	2.97	3.09	6.59
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[2.4]	2.25 [3.01]
Permissible load	Radial load	N	68	68	68	245	245	245	392
	Axial load	N	58	58	58	98	98	98	147
Brake specifications	Rated voltage	V	DC24V±10%						
	Rated current	A	0.25	0.25	0.375	0.36	0.36	0.46	0.42
	Brake power	w	6	6	9	9	9	11	10
	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	2.5 or more	3.8 or more
	Suction time	ms	35 or less	35 or less	50 or less	50 or less	50 or less	60 or less	70 or less
	Release time	ms	20or less	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

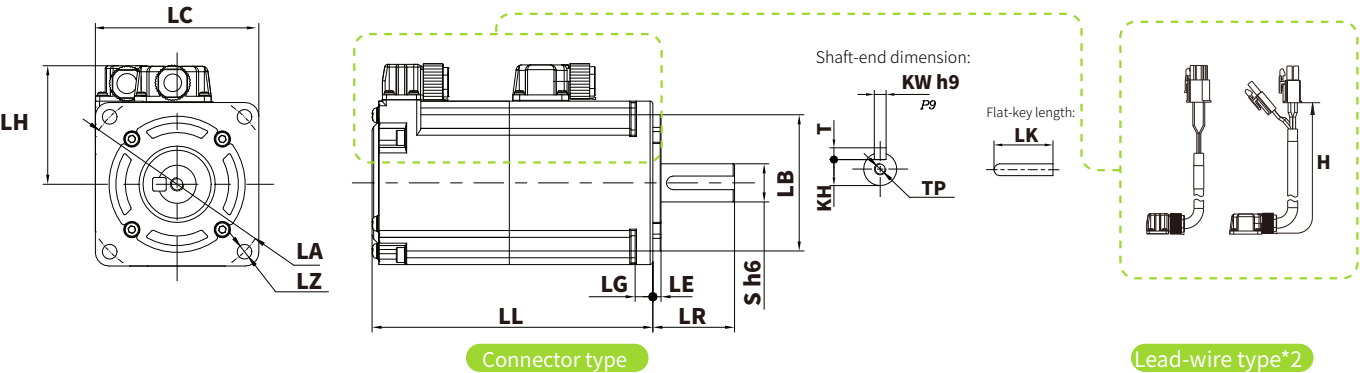


External Dimensions for Servo Motor

Unit(mm)

Models	X2MH005A	X2MH010A	X2MH015A	X2MH020A	X2MH040A	X2MH060A	X2MH075A
LC	40	40	40	60	60	60	80
LA	φ46	φ46	φ46	φ70	φ70	φ70	φ90
LB	φ30	φ30	φ30	φ50	φ50	φ50	φ70
LZ	2-φ4.3	2-φ4.3	2-φ4.3	4-φ5.4	4-φ5.4	4-φ5.4	4-φ6.5
LR	25	25	25	30	30	30	35
S	φ8 h6	φ8 h6	φ8 h6	φ14 h6	φ14 h6	φ14 h6	φ19 h6
LL no brake [with brake]	57 [87.4]	71 [101.4]	93.8[124.2]	70.5[100]	87.5 [117]	114.6[144.1]	94.5[128.5]
LG	5	5	5	6.5	6.5	6.5	8
LE	3	3	3	3	3	3	3
LH	35	35	35	44.5	44.5	43.5	54.5
LK	14	14	14	25	25	25	25
T	3	3	3	5	5	5	6
KW	3 h9	3 h9	3 h9	5 h9	5 h9	5 h9	6 h9
KH	6.2	6.2	6.2	11	11	11	15.5
TP	M3 depth 6	M3 depth 6	M3 depth 6	M5 depth 12	M5 depth 12	M5 depth 12	M5 depth 12
H type cable length for lead-wire type	210	210	210	210	210	210	210

X2MH005A / X2MH010A / X2MH015A/X2MH020A/X2MH040A/X2MH060A/X2MH075A



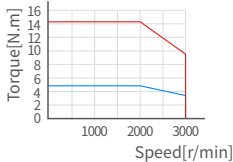
Note 2: For X2 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

Servo Motor Specifications

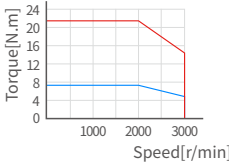
Items		Unit	X2MH100A	X2MH150A
Rated power		W	1000	1500
Rated voltage		V	220	220
Fitting flange size		mm	130	130
Rated torque		N.m	4.77	7.16
Instantaneous max. torque		N.m	14.3	21.5
Max. speed		r/min	2000	2000
		r/min	3000	3000
Rated current		Arms	5.2	8
Instantaneous max. current		Arms	15.6	24
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	30.8	38.5
	With brake	x10 ⁻⁴ Kg.m ²	32	39.7
Torque constant		N.m/A	0.918	0.895
Induced voltage constant per phase		mV[r/min]	33.65	34.84
Rated power rate	No brake	KW/S	7.39	
	With brake	KW/S	7.11	
Mechanical time constant	No brake	ms	7.54	4.9
	With brake	ms	7.84	5.05
Electrical time constant		ms	11.1	14.63
Weight: No brake[with brake]		kg	6.4 [8]	7.8[9.4]
Permissible load	Radial load	N	490	490
	Axial load	N	196	196
Brake specifications	Rated voltage	V	DC24V±10%	
	Rated current	A	0.9	0.9
	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
		Release time	ms	60 or less
	Release voltage	V	DC1V or more	

Torque characteristics

Instantaneous operation range Continuous operation range



X2MH100A▲



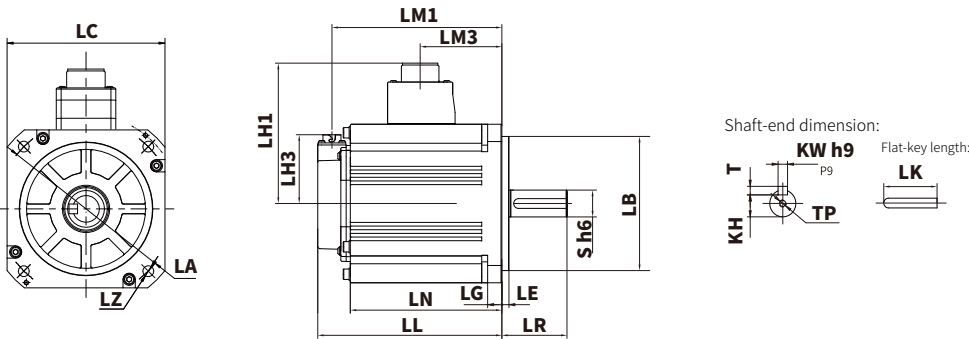
X2MH150A▲

External Dimensions for Servo Motor

Unit(mm)

Models	X2MH100A-□2L□	X2MH150A-□2L□
LC	130	130
LA	φ145	φ145
LB	φ110	φ110
LZ	4-φ9	4-φ9
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
T	7	7
KW	8 h9	8 h9
KH	18	18
TP	M6 depth 20	M6 depth 20

X2MH100A/X2MH150A[Aviation connector]



Servo Motor Specifications

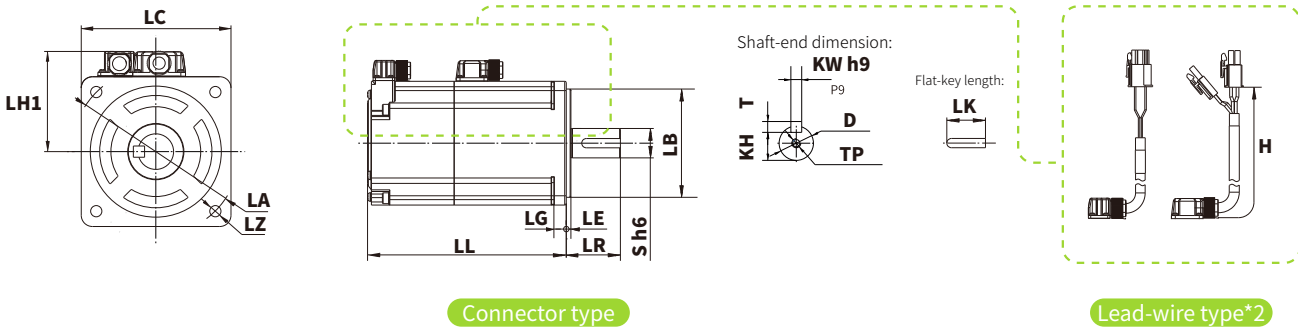
Items		Unit	X2MH010H	X2MH020H	X2MH040H	X2MH075H
Rated power		W	100	200	400	750
Rated voltage		V	220	220	220	220
Fitting flange size		mm	40	60	60	80
Rated torque		N.m	0.32	0.64	1.27	2.39
Instantaneous max. torque		N.m	1.11	2.23	4.45	8.36
Rated speed		r/min	3000	3000	3000	3000
		r/min	6500	6500	6500	6000
Max. speed				*1	*1	*1
		NOTE 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	0.92	1.4	2.4	3.8
Instantaneous max. current		Arms	3.6	4.87	8.2	18.8
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.092	0.47	0.73	3.15
	With brake	x10 ⁻⁴ Kg.m ²	0.095	0.49	0.75	3.2
Torque constant		N.m/A	0.347	0.5	0.531	0.648
Induced voltage constant per phase		mV[r/min]	13.7	14.61	20.4	22.65
Rated power rate	No brake	KW/S	11.13	8.71	22.09	18.1
	With brake	KW/S	10.78	8.36	21.5	17.85
Mechanical time constant	No brake	ms	2.23	2.54	1.15	1.95
	With brake	ms	2.3	2.65	1.18	1.98
Electrical time constant		ms	0.986	2.58	4.1	6.59
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
	Axial load	N	58	98	98	147
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.25	0.36	0.36	0.42
	Brake power	w	6	9	9	10
	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	X2MH010H	X2MH020H (Lead-wire type)	X2MH040H	X2MH075H (Lead-wire type)
LC	40	60	60	80
LA	φ46	φ70	φ70	φ90
LB	φ30	φ50	φ50	φ70
LZ	2-φ4.3	4-φ5.5	4-φ5.5	4-φ6.6
LR	25	30	30	35
S	φ8 h6	φ14 h6	φ14 h6	φ19 h6
LL no brake [with brake]	76.7 [107.1]	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
T	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

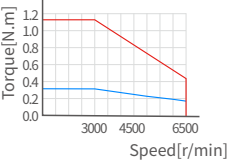
X2MH010H / X2MH020H / X2MH040H / X2MH075H



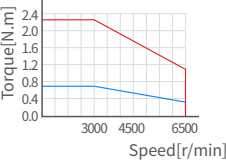
Note 2: For X2 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

Torque characteristics

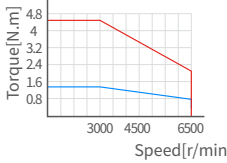
Instantaneous operation range Continuous operation range



X2MH010H ▲



X2MH020H ▲



X2MH040H ▲



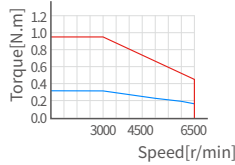
X2MH075H ▲

Servo Motor Specifications

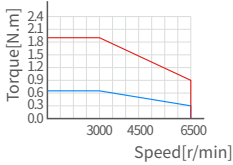
Items		Unit	X2MQ010A	MQ010A-□2K□	X2MQ020A	X2MQ040A	X2MQ100E
Rated power		W	100	100	200	400	1000
Rated voltage		V	220	220	220	220	220
Fitting flange size		mm	60	60	80	80	80
Rated torque		N.m	0.32	0.32	0.637	1.27	3.185
Instantaneous max. torque		N.m	0.96	0.96	1.91	3.82	11.13
Rated speed		r/min	3000	3000	3000	3000	3000
		r/min	6500	6500	6500	6500	6000
Max. speed						*1	*1
		NOTE 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	1.15	1.15	2	2.6	5.7
Instantaneous max. current		Arms	3.45	3.45	6.4	8.4	21.2
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.14	0.14	0.47	0.87	2
	With brake	x10 ⁻⁴ Kg.m ²	0.16	0.16	0.5	0.9	2.1
Torque constant		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 rate	No brake	KW/S	6.99	6.99	8.63	18.5	50.7
	With brake	KW/S	6.64	6.64	8.12	17.92	48.31
Mechanical time constant	No brake	ms	2.3	2.3	2.51	1.51	0.85
	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
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]
Permissible load	Radial load	N	68	68	245	245	392
	Axial load	N	58	58	98	98	147
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%				
	Rated current	A	0.9	0.9	0.9	0.9	0.42
	Brake power	w	22	22	22	22	10
	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
	Suction time	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

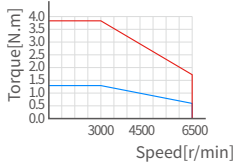
Instantaneous operation range Continuous operation range



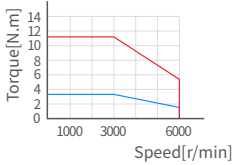
X2MQ010A ▲



X2MQ020A ▲



X2MQ040A ▲



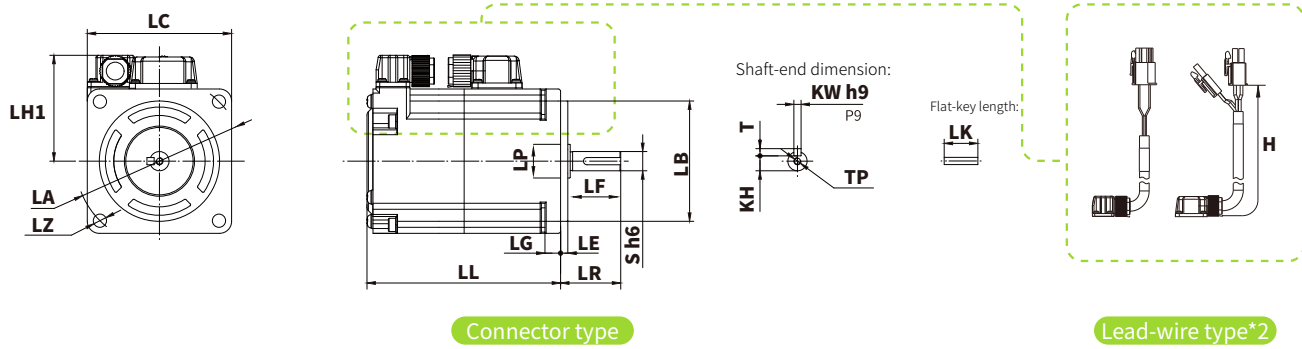
X2MQ100E ▲

External Dimensions for Servo Motor

Unit(mm)

Models	X2MQ010A (Lead-wire type)	MQ010A-□2K□*3	X2MQ020A (Lead-wire type)	X2MQ040A (Lead-wire type)	X2MQ100E
LC	60	60	80	80	80
LA	φ70	φ70	φ90	φ90	φ90
LB	φ50	φ50	φ70	φ70	φ70
LZ	4-φ5.4	4-φ5.4	4-φ6.5	4-φ6.5	4-φ6.5
LR	25	25	30	30	35
S	φ8 h6	φ8 h6	φ11 h6	φ14 h6	φ19 h6
LL no brake [with brake]	58.5[78]	55.5[75]	66 [91]	77 [102]	108 [141.5]
LG	6.5	6.5	8	8	8
LE	3	3	3	3	3
LF	21	21	26	26	—
LP	φ14	φ14	φ19.7	φ19.7	—
LH1	43.5	43.5	53.5	53.5	54.5
LK	14	14	20	22	25
T	3	3	4	5	6
KW	3 h9	3 h9	4 h9	5 h9	6 h9
KH	6.2	6.2	8.5	11	15.5
TP	M3 depth 6	M3 depth 6	M4 depth 8	M5 depth 12	M5 depth 12
H type cable length for lead-wire type	210	210	210	210	210

X2MQ010A / X2MQ020A / X2MQ040A / X2MQ100E



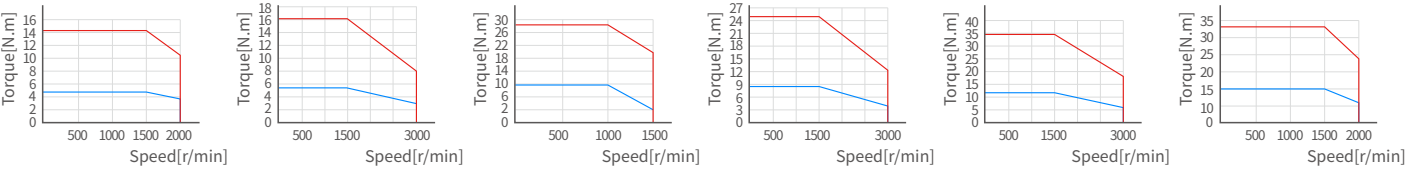
*2: For X2 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.
*3: MQ010A-□2K□, “K” here stands for “keyway shaft/no oil seal”

Servo Motor Specifications

Items		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 size		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
Max. speed		r/min	2000	3000	1500	3000	3000	2000
Rated current		Arms	4.2	5.9	5.2	9.3	11.8	12
Instantaneous max. current		Arms	15	18	16	28	35.5	26.4
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	2.88	14	12.1	20.2	26	12.7
	With brake	x10 ⁻⁴ Kg.m ²	3	15.2	13.3	21.4	27.2	14.2
Torque constant		N.m/A	1.135	0.918	1.83	0.895	0.964	1.27
Induced voltage constant per phase		mV[r/min]	43.3	33.65	67.3	34.84	40.18	83.08
Rated power rate	No brake	KW/S	79	63.29	75.4	33.9	50.87	177
	With brake	KW/S	75.84	58.26	68.6	32	48.6	158
Mechanical time constant	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 constant		ms	5.1	11.1	9.65	14.63	15.99	9.58
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]
Permissible load	Radial load	N	392	490	490	490	490	490
	Axial load	N	147	160	160	160	160	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%					
	Rated current	A	0.42	0.9	0.9	0.9	0.9	0.96
	Brake power	w	10	22	22	22	22	23
	Static friction torque	N.m	3.8 or more	14 or more	14 or more	14 or more	14 or more	20 or more
	Suction time	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					DC0.5V or more

Torque characteristics

Instantaneous operation range Continuous operation range



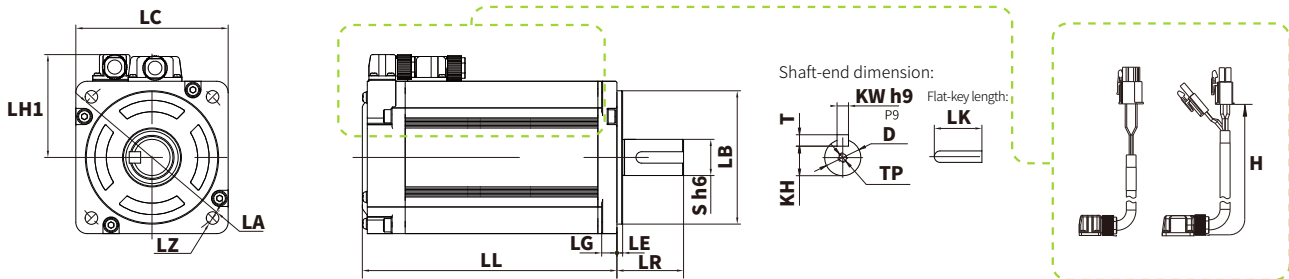
X2MG075A ▲ X2MG085A ▲ X2MG100A ▲ X2MG130A ▲ X2MG180A ▲ X2MG230A ▲

External Dimensions for Servo Motor

Unit(mm)

Models	X2MG075A (Lead-wire type)	X2MG085A	X2MG100A	X2MG130A	X2MG180A	X2MG230A
LC	80	130	130	130	130	130
LA	φ90	φ145	φ145	φ145	φ145	φ145
LB	φ70	φ110	φ110	φ110	φ110	φ110
LZ	4-φ6.6	4-φ9	4-φ9	4-φ9	4-φ9	4-φ9
LR	35	55	55	55	55	55
S	φ19 h6	φ22 h6	φ22 h6	φ22 h6	φ22 h6	φ22 h6
LL no brake [with brake]	134 [177.5]	135.5 [155.5]	135.5 [155.5]	149.5 [169.5]	163.5 [183.5]	198 [223]
LN no brake [with brake]	—	108 [128]	108 [128]	122 [142]	136 [156]	167 [192]
LG	8	12	12	12	12	12
LE	3	6	6	6	6	6
LM1 no brake [with brake]	—	123.5 [143.5]	123.5 [143.5]	137.5[157.5]	151.5 [171.5]	186 [211]
LM2 no brake [with brake]	—	—	—	—	—	—[173]
LM3	—	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
T	6	7	7	7	7	7
KW	6 h9	8 h9	8 h9	8 h9	8 h9	8 h9
KH	15.5	18	18	18	18	18
TP	M5 depth 12	M6 depth 20	M6 depth 20	M6 depth 20	M6 depth 20	M6 depth 20
H type cable length for lead-wire type		210	—	—	—	—

X2MG075A

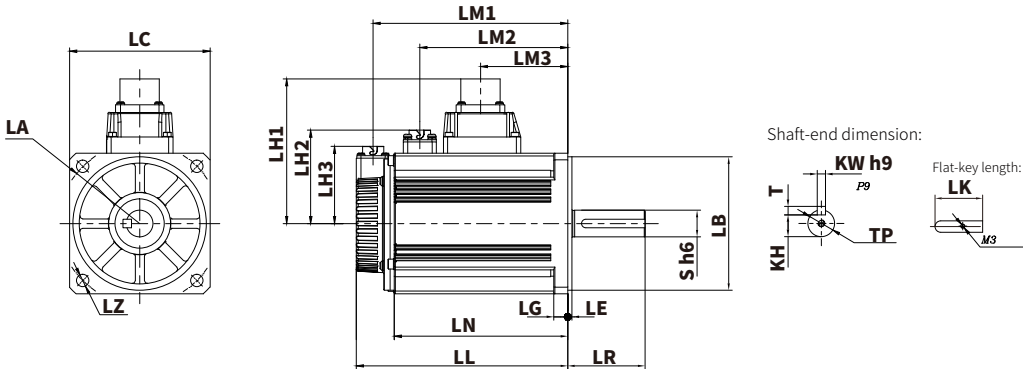


Connector type

Lead-wire type*1

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

X2MG085A / X2MG100A / X2MG130A / X2MG180A / X2MG230A



Servo Motor Specifications

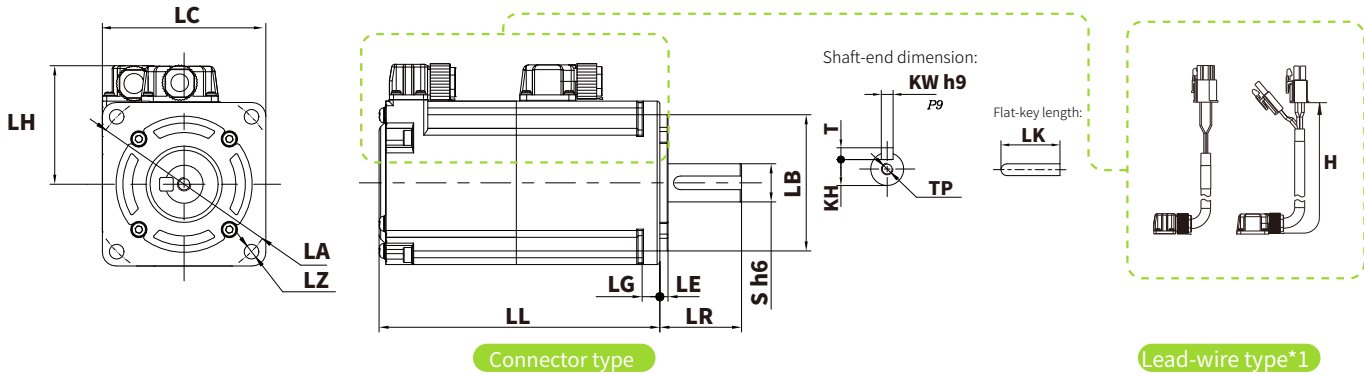
Items		Unit	NEW X2MG040S	NEW X2MG075S	X2MG085S	X2MG130S	X2MG180S
Rated power		W	400	750	850	1300	1800
Rated voltage		V	220	220	220	220	220
Fitting flange size		mm	60	80	130	130	130
Rated torque		N.m	1.27	2.38	5.39	8.28	11.5
Instantaneous max. torque		N.m	4.45	8.35	16.2	24.84	34.5
Rated speed		r/min	3000	3000	1500	1500	1500
		r/min	7000	7000	4000	4000	4000
Max. speed							
Rated current		Arms	2.8	4.5	6.7	9.6	15.6
Instantaneous max. current		Arms	9.8	16	20.1	28.8	46.8
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.65	1.9	13.9	19.9	26
	With brake	x10 ⁻⁴ Kg.m ²	0.67	2	15.1	21.1	27.2
Torque constant		N.m/A	0.469	2.38	0.859	0.891	0.748
Induced voltage constant per phase		mV[r/min]	18.42	19.34	28.95	29.8	25.4
Rated power rate	No brake	KW/S	27.1	28.5	20.9	35	50.9
	With brake	KW/S	26.2	25.9	18.2	31.6	47.1
Mechanical time constant	No brake	ms	2.63	1.26	2.74	2.23	1.95
	With brake	ms	3.72	1.39	3.16	2.46	2.29
Electrical time constant		ms	1.08	3.22	10.2	10.7	11.14
Weight: No brake[with brake]		kg	1.3[1.7]	2.51[3.28]	5.5[7.5]	7.1[9]	8.6[11]
Permissible load	Radial load	N	245	392	490	490	490
	Axial load	N	98	147	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%				
	Rated current	A	0.36	0.42	0.41	0.41	0.41
	Brake power	w	7.3	9.6	12	12	12
	Static friction torque	N.m	1.6 or more	3.8 or more	14 or more	14 or more	14 or more
	Suction time	ms	50 or less	70 or less	100 or less	100 or less	100 or less
	Release time	ms	20 or less	20 or less	80 or less	80 or less	80 or less
	Release voltage	V	DC1V or more				

External Dimensions for Servo Motor

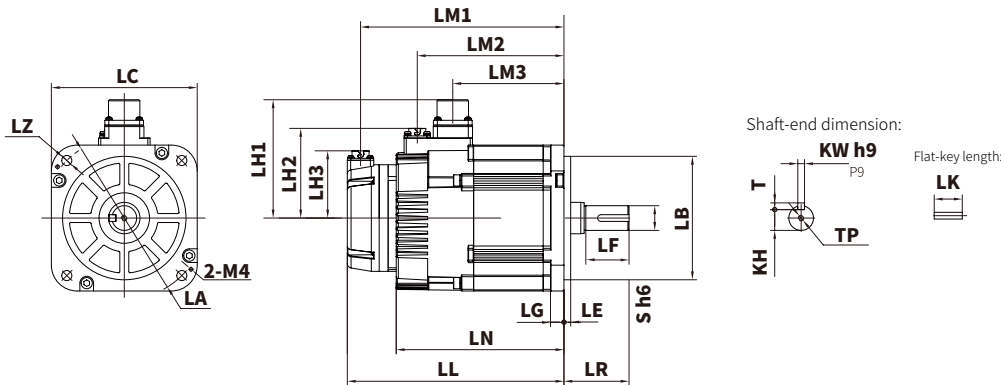
Unit(mm)

Models	X2MG040S	X2MG075S	X2MG085S	X2MG130S	X2MG180S
LC	60	80	130	130	130
LA	φ70	φ90	φ145	φ145	φ145
LB	φ50	φ70	φ110	φ110	φ110
LZ	4-φ5.5	4-φ6.5	4-φ9	4-φ9	4-φ9
LR	30	35	58	58	58
S	φ14 h6	φ19 h6	φ19 h6	φ22 h6	φ24 h6
LL no brake [with brake]	98.5 [128]	108 [141.5]	128.5 [164.5]	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	6.5	8	12	12	12
LE	3	3	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	25	25
T	5	6	5	6	7
KW	5 h9	6 h9	5 h9	6 h9	8 h9
KH	11	15.5	16	18.5	20
TP	M5 depth 12	M5 depth 12	M5 depth 16	M5 depth 16	M5 depth 16

X2MG040S/X2MG075S



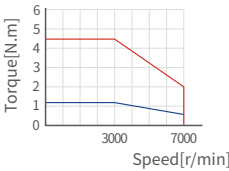
X2MG085S/X2MG130S/X2MG180S



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

Torque characteristics

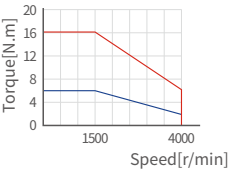
Instantaneous operation range Continuous operation range



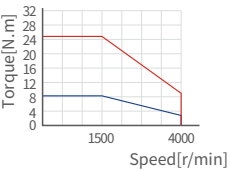
X2MG040S ▲



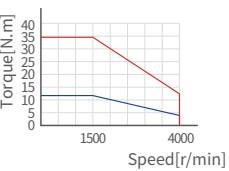
X2MG075S ▲



X2MG085S ▲



X2MG130S ▲



X2MG180S ▲



Higher speed, higher precision

Realize **greater value** of equipment

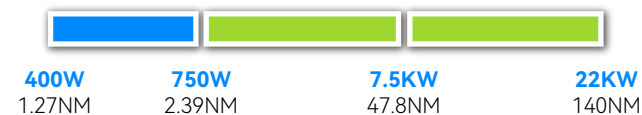
X6 series servo motors use 23-bit or 25-bit resolution absolute optical encoders and provide products with two voltage levels of 220VAC and 380VAC. The power is extended to 22KW, with a wider power range, higher accuracy and speed, to maximize the performance of systems and equipment!

• 8 major series Models up to 80+

• AC220V



• AC380V



Much smoother

The new design of 10-pole rotor + magnetic field analysis technology reduces the pulse width, makes low speed smoother, and improves the surface finish of the processing.



High speed

The newly designed X6MGS cutting series motor has a maximum speed of 7000rpm, which effectively improves the processing efficiency.

7000 rpm 小功率	5000 rpm 大功率
350 MAX %	300 MAX %



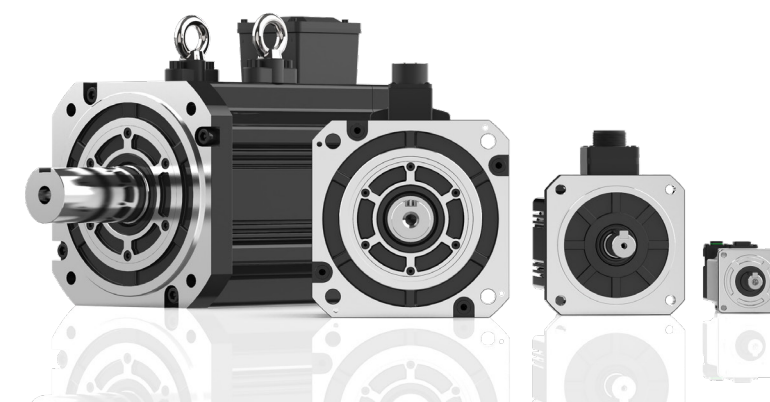
High precision

The whole series is equipped with 23-bit (LD) optical absolute motor as standard. 25-bit (LJ) high-precision optical absolute motor is optional. Some models can also be equipped with 20-bit (LA) magnetic absolute motor.



Various specifications

We provide 8 series of motor products from 40mm flange to 220mm flange, which can achieve full coverage of high, medium and low inertia.



SV-X6 MA 040 A - N 2 C D - ****

1 2 3 4 5 6 7 8 Special specifications

1	Series name
SV-X6 series	20BIT/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		

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
B	With brake

6	Voltage specifications
2	AC220V
4	AC380V

7	Specifications
K	Lead-wire type/Keyway shaft/no oil seal
L	Lead-wire type/Keyway shaft/with oil seal
C	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
A	Multi-turn 20bit absolute

9	Customization
**	N/A



23bit absolute 220v 850W MG low speed & high-torque Naming rule
SV-X6 MG 085A-N2LD

23bit absolute 380v 850W MG low speed & high-torque Naming rule
SV-X6 MG 085A-N4LD

20bit absolute 380v 850W MG low speed & high-torque Naming rule
SV-X6 MG085A-N4LA

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 78 or consult our sales staff.



Series	Specifications	NEW 50W	100W	NEW 150W	200W	400W	600W	750W	900W	1.0KW	1.2KW	1.5KW	1.8KW	2.0KW	NEW 2.5KW	3KW
X6-MA Low inertia	Model	X6MA005A	X6MA010A	X6MA015A	X6MA020A	X6MA040A	X6MA060E	X6MA075A	X6MA090E	X6MA100A	X6MA120E	X6MA150A	X6MA180E	X6MA200A	X6MA250A	X6MA300A
	Flange(mm)	□40	□40	□40	□60	□60	□110	□80	□110	□100	□110	□100	□110	□100	□100	□130
	Rated [Peak torque](N·m)	0.16[0.56]	0.32[1.12]	0.477[1.43]	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]	5.73[17.2]	6.37[19.1]	7.96[23.9]	9.55[28.6]
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)	0.026[0.027]	0.041[0.042]	0.065[0.066]	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]	8.6[9.7]	3.68[4.01]	4.5[5.6]	20.8[22]
	Rotation speed: Rated [Max. speed]	3000[6500]	3000[6500]	3000[6500]	3000[6000]	3000[6000]	3000[5000]	3000[6000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]	3000[5000]	3000[6000]	3000[5000]
	220V	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	380V	25	25	25	25	25	25	25	25	20 25	25	20 25	25	20 25	20 25	20 25
	Model											X6MA150E				
	Flange(mm)											□110				
	Rated [Peak torque](N·m)											4.77[14.3]				
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)											7.3[8.4]				
	Rotation speed: Rated [Max. speed]											3000[5000]				
	220V											25				
	380V															
X6-MM Middle inertia	Model									X6MM100A		X6MM150A		X6MM200A		
	Flange(mm)									□130		□130		□130		
	Rated [Peak torque](N·m)									4.77[14.3]		7.16[21.5]		9.55[28.6]		
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)									6.18[7.4]		9.16[10.4]		12.1[13.3]		
	Rotation speed: Rated [Max. speed]									2000[3000]		2000[3000]		2000[3000]		
X6-MMS Middle inertia high speed series	Model									X6MM100S		X6MM150S		X6MM200S		
	Flange(mm)									□130		□130		□130		
	Rated [Peak torque](N·m)									4.77[14.31]		7.16[21.5]		9.55[28.6]		
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)									9.16[10.4]		12.1[13.3]		16.85[18.05]		
	Rotation speed: Rated [Max. speed]									2000[5000]		2000[5000]		2000[5000]		
X6-MH High inertia	Model	X6MH005A	X6MH010A	X6MH015A	X6MH020A	X6MH040A	X6MH060A	X6MH075A		X6MH100A		X6MH150A		X6MH200A		
	Flange(mm)	□40	□40	□40	□60	□60	□60	□80		□130		□130		□180		
	Rated [Peak torque](N·m)	0.16[0.56]	0.32[1.11]	0.477[1.43]	0.64[2.23]	1.27[4.46]	1.91[6.68]	2.39[8.36]		4.77[14.3]		7.16[21.5]		9.55[28.6]		
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)	0.038[0.042]	0.071[0.074]	0.13[0.133]	0.29[0.31]	0.56[0.58]	0.95[0.97]	1.56[1.66]		30.8[32]		38.5[39.7]		31.4[44.6]		
	Rotation speed: Rated [Max. speed]	3000[6500]	3000[6500]	3000[6000]	3000[6500]	3000[6500]	3000[6000]	3000[6000]		2000[3000]		2000[3000]		2000[3000]		
X6-MHH Ultra high inertia	Model		X6MH010H		X6MH020H	X6MH040H		X6MH075H								
	Flange(mm)		□40		□60	□60		□80								
	Rated [Peak torque](N·m)		0.32[1.11]		0.64[2.23]	1.27[4.45]		2.39[8.36]								
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)		0.092[0.095]		0.47[0.49]	0.73[0.75]		3.15[3.15]								
	Rotation speed: Rated [Max. speed]		3000[6500]		3000[6500]	3000[6500]		3000[6000]								
X6-MQ Special flange Flat-type/ small flange	Model		X6MQ010A		X6MQ020A	X6MQ040A				X6MQ100E						
	Flange(mm)		□60		□80	□80				□80						
	Rated [Peak torque](N·m)		0.32[0.96]		0.637[1.91]	1.27[3.82]				3.185[11.13]						
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)		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]				3000[6000]						
X6-MG Low-speed & high-torque	Model		X6MG075A	X6MG100A	X6MG085A	X6MG130A	NEW X6MG130C	X6MG150C	X6MG180A	NEW X6MG180C	X6MG240A	X6MG290A	X6MG440A	X6MG550A		
	Flange(mm)		□80	□130	□130	□130	□130	□130	□130	□130	□130	□180	□180	□180		
	Rated [Peak torque](N·m)		4.77[14.3]	9.55[28.6]	5.41[16.2]	8.28[24.84]	8.28[24.8]	14.3[42]	11.5[34.5]	11.46[34.4]	15.2[45.8]	18.6[46.5]	28[71.1]	35[87.5]		
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)		2.88[3]	12.1[13.3]	14[15.2]	20.2[21.4]	20.21[21.41]	20.8[22]	26[27.2]	26.37[27.57]	31.3[32.5]	47.2[62.3]	68.6[83.7]	91.4[106.5]		
	Rotation speed: Rated [Max. speed]		1500[2000]	1000[1500]	1500[3000]	1500[3000]	1500[4000]	1000[1500]	1500[3000]	1500[4000]	1500[3000]	1500[3000]	1500[3000]	1500[3000]		
X6-MGS Low-cogging cutting series	Model	NEW X6MG040S	NEW X6MG075S		X6MG085S	X6MG130S				X6MG180S						
	Flange(mm)	□60	□80		□130	□130				□130						
	Rated [Peak torque](N·m)	1.27[4.45]	2.38[8.35]		5.39[16.2]	8.28[24.84]				11.5[34.5]						
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m²)	0.65[0.67]	1.9[2]		13.9[16]	19.9[22]				26[28.1]						
	Rotation speed: Rated [Max. speed]	3000[7000]	3000[7000]		1500[4000]	1500[4000]				1500[4000]						

Note 25 20 23 Indicates the encoder bits; The color indicates the voltage specification, orange: 220V, blue: 380V.

X6 Series Servo Motor

Series	Specifications	3.0KW	4.0KW	5.0KW	7.5KW	NEW 11KW	NEW 15KW
X6-MA Low inertia	Model	X6MA300K	X6MA400K	X6MA500K			
	Flange(mm)	□130	□130	□130			
	Rated [Peak torque](N·m)	9.55[28.65]	12.7[38.1]	15.9[47.7]			
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)	10.75[11.95]	14.7[15.9]	20.3[21.5]			
	Rotation speed: Rated [Max. speed]	3000[5000]	3000[5000]	3000[5000]			
	220V						
	380V	20 23	20 23	20 23			
	Model						
	Flange(mm)						
	Rated [Peak torque](N·m)						
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)						
	Rotation speed: Rated [Max. speed]						
	220V						
	380V						
X6-MM Middle inertia	Model	X6MM300A	X6MM400A	X6MM500A	X6MM750A	X6MM11KA	X6MM15KA
	Flange(mm)	□180	□180	□180	□180	□220	□220
	Rated [Peak torque](N·m)	14.3[42.9]	19.1[57.3]	23.9[71.6]	47.8[119.4]	70[175]	96[239]
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)	43.5[63.2]	54.7[68]	66.7[80.8]	99.3[114.2]	251.8[314]	327.6[390.7]
	Rotation speed: Rated [Max. speed]	2000[3000]	2000[3000]	2000[3000]	1500[2500]	1500[2000]	1500[2000]
	220V						
	380V	20 23	20 23	20 23	20 23	20 23	20 23
X6-MMS Middle inertia high speed series	Model						
	Flange(mm)						
	Rated [Peak torque](N·m)						
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)						
	Rotation speed: Rated [Max. speed]						
X6-MH High inertia	220V						
	380V						
	Model						
	Flange(mm)						
	Rated [Peak torque](N·m)						
X6-MHH Ultra high inertia	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)						
	Rotation speed: Rated [Max. speed]						
	220V						
	380V						
	Model						
X6-MQ Special flange Flat-type/ small flange	Flange(mm)						
	Rated [Peak torque](N·m)						
	Inertia: no brake [with brake](×10 ⁻⁴ Kg.m ²)						
	Rotation speed: Rated [Max. speed]						
	220V						
	380V						

Servo Motor Specifications

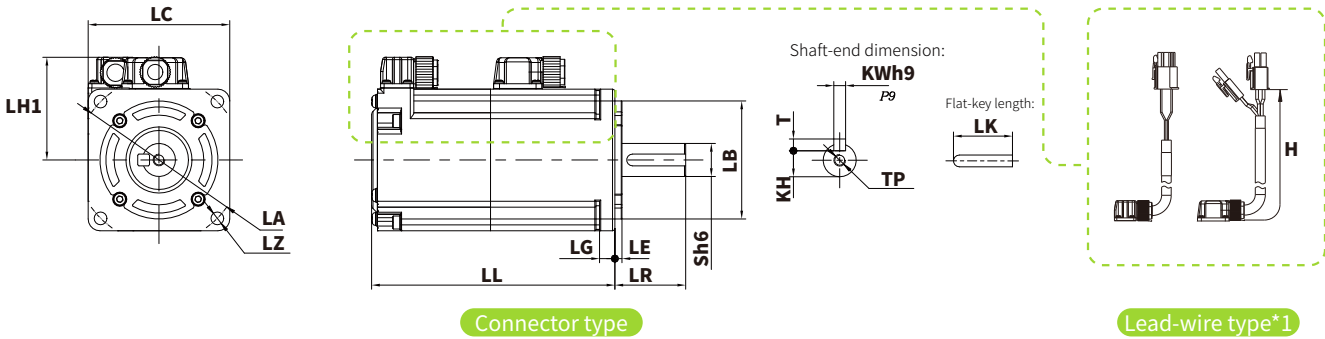
Items		Unit	X6MA005A	X6MA010A	X6MA015A	X6MA020A
Rated power		W	50	100	150	200
Rated voltage		V	220	220	220	220
Fitting flange size		mm	40	40	40	60
Rated torque		N.m	0.16	0.32	0.477	0.64
Instantaneous max. torque		N.m	0.56	1.12	1.43	1.91
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	6500	6500	6000	6000
Rated current		Arms	1.2	1.2	1.4	1.7
Instantaneous max. current		Arms	4.6	4.6	4.2	6.5
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.026	0.041	0.065	0.16
	With brake	x10 ⁻⁴ Kg.m ²	0.027	0.042	0.066	0.17
Torque constant		N.m/A	0.132	0.265	0.341	0.427
Induced voltage constant per phase		mV[r/min]	5.1	10.48	13.56	14.5
Rated power rate	No brake	KW/S	14.3	29.1	21.4	25.6
	With brake	KW/S	12.9	27.5	20.5	24.1
Mechanical time constant	No brake	ms	1.51	1.12	2.31	0.775
	With brake	ms	1.69	1.28	2.41	0.824
Electrical time constant		ms	0.75	0.97	1.32	6.3
Weight: No brake[with brake]		kg	0.34 [0.55]	0.44 [0.65]	0.57 [0.74]	0.9 [1.3]
Permissible load	Radial load	N	68	68	68	245
	Axial load	N	58	58	58	98
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.25	0.25	0.375	0.36
	Brake power	w	7	7	8.5	7.3
	Static friction torque	N.m	0.38 or more	0.38 or more	0.58 or more	1.6 or more
	Suction time	ms	35 or less	35 or less	50 or less	50 or less
	Release time	ms	20 or less	20 or less	20 or less	20 or less
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more	DC1V or more

External Dimensions for Servo Motor

Unit(mm)

Models	X6MA005A	X6MA010A	X6MA015A	X6MA020A
LC	40	40	40	60
LA	φ46	φ46	φ46	φ70
LB	φ30	φ30	φ30	φ50
LZ	2-φ4.3	2-φ4.3	2-φ4.3	4-φ5.4
LR	25	25	25	30
S	φ8 h6	φ8 h6	φ8 h6	φ14 h6
LL no brake [with brake]	60.1 [90.5]	76.7 [107.1]	93.8 [124.2]	73.5[103]
LN no brake [with brake]	—	—	—	—
LG	5	5	5	6.5
LE	3	3	3	3
LH1	35	35	35	44.5
LK	14	14	14	25
T	3	3	3	5
KW	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

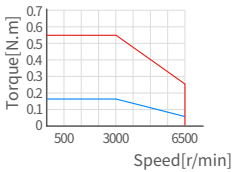
X6MA005A / X6MA010A / X6MA015A / X6MA020A



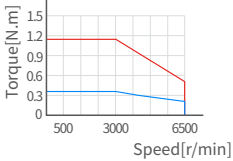
Note 1: For X6 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.

Torque characteristics

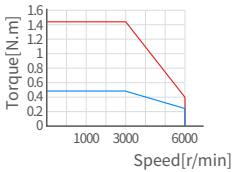
Instantaneous operation range Continuous operation range



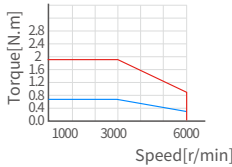
X6MA005A ▲



X6MA010A ▲



X6MA015A ▲



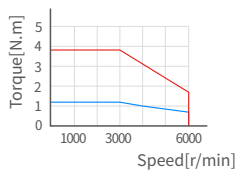
X6MA020A ▲

Servo Motor Specifications

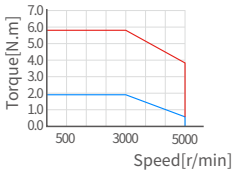
Items		Unit	X6MA040A	X6MA060E	X6MA075A	X6MA090E
Rated power		W	400	600	750	900
Rated voltage		V	220	220	220	220
Fitting flange size		mm	60	110	80	110
Rated torque		N.m	1.27	1.91	2.39	2.86
Instantaneous max. torque		N.m	3.82	5.73	7.16	8.6
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	6000	5000	6000	5000
Rated current		Arms	2.7	3	4.2	4.5
Instantaneous max. current		Arms	10.2	9	17.4	13.5
Moment of inertia	No brake	$\times 10^{-4} \text{Kg.m}^2$	0.28	3.1	0.96	4.5
	With brake	$\times 10^{-4} \text{Kg.m}^2$	0.29	4.2	1.07	5.6
Torque constant		N.m/A	0.488	0.63	0.583	0.63
Induced voltage constant per phase		mV[r/min]	17.9	24.48	21.33	24.52
Rated power rate	No brake	KW/S	57.6	11.3	59.5	17.1
	With brake	KW/S	55.6	10.6	53.4	16.4
Mechanical time constant	No brake	ms	0.561	1.77	0.463	1.98
	With brake	ms	0.581	1.87	0.516	2.07
Electrical time constant		ms	6.1	7.8	12.7	6.78
Weight: No brake[with brake]		kg	1.28 [1.67]	3.1 [4.4]	2.25 [3.01]	3.7 [5]
Permissible load	Radial load	N	245	392	392	392
	Axial load	N	98	147	147	147
Brake specifications Note: Holding brake	Rated voltage	V	DC24V $\pm$ 10%			
	Rated current	A	0.36	0.81	0.42	0.81
	Brake power	w	7.3	19.5	9.6	19.5
	Static friction torque	N.m	1.6 or more	12 or more	3.8 or more	12 or more
	Suction time	ms	50 or less	100 or less	70 or less	100 or less
	Release time	ms	20 or less	60 or less	20 or less	60 or less
	Release voltage	V	DC1V or more	DC1.5V or more	DC1V or more	DC1.5V or more

Torque characteristics

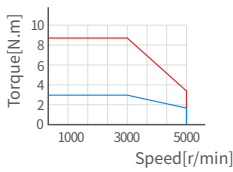
Instantaneous operation range Continuous operation range



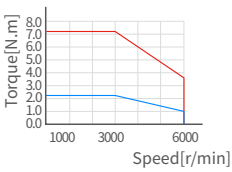
X6MA040A ▲



X6MA060E ▲



X6MA090E ▲



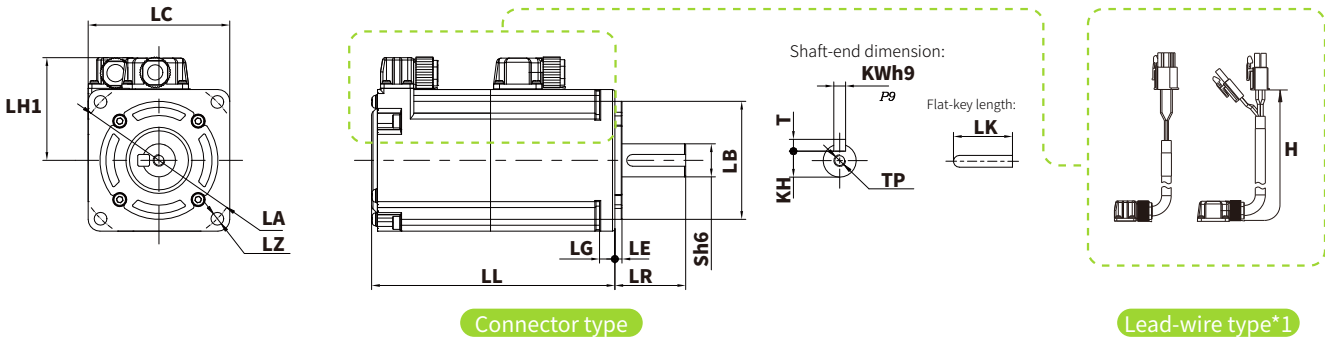
X6MA075A ▲

External Dimensions for Servo Motor

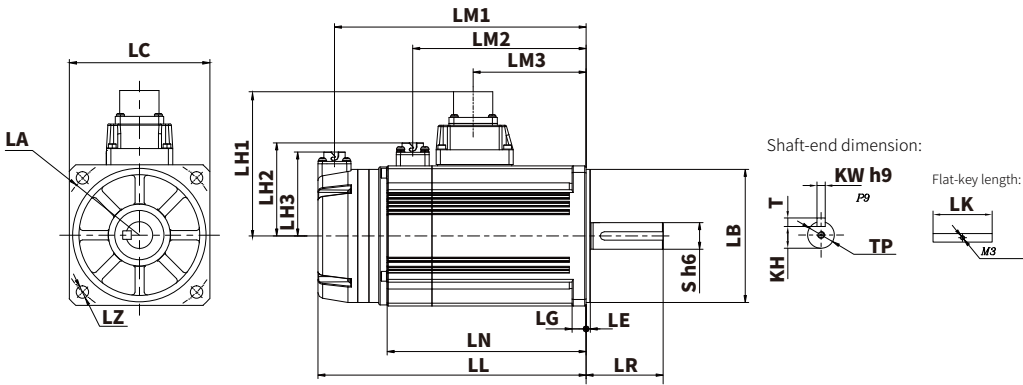
Unit(mm)

Models	X6MA040A	X6MA060E	X6MA075A	X6MA090E
LC	60	110	80	110
LA	φ70	φ130	φ90	φ130
LB	φ50	φ95	φ70	φ95h7
LZ	4-φ5.4	4-φ9	4-φ6.5	4-φ9
LR	30	55	35	55
S	φ14 h6	φ19 h6	φ19 h6	φ19
LL no brake [with brake]	93.2[122.7]	130.5 [157.5]	105[138.5]	141[168]
LN no brake [with brake]	—	81[108]	—	91.5[118.5]
LG	6.5	12	8	12
LE	3	5	3	5
LM1 no brake [with brake]	—	118.5 [145.5]	—	129[156]
LM2 no brake [with brake]	—	[90]	—	[100.5]
LM3	—	47	—	57
LH1	44.5	102	54.5	102
LH2	—	71.5	—	71.5
LH3	—	60	—	60
LK	25	42	25	42
T	5	6	6	6
KW	5 h9	6 h9	6 h9	6 h9
KH	11	15.5	15.5	15.5
TP	M5 depth 12	M5 depth 12	M5 depth 10	M5 depth 12
H type cable length for lead-wire type	210	—	210	—

X6MA040A / X6MA075A



X6MA060E / X6MA090E



Note 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

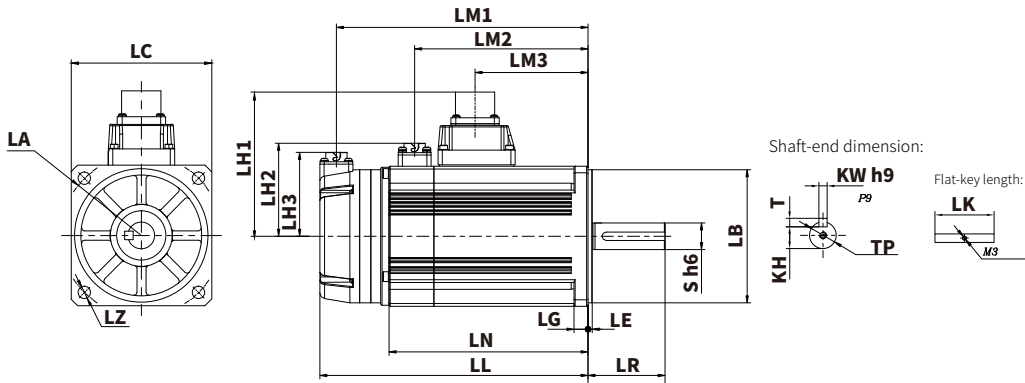
Items		Unit	X6MA100A	X6MA120E	X6MA150A	X6MA150E	X6MA180E	X6MA200A
Rated power		W	1000	1200	1500	1500	1800	2000
Rated voltage		V	220	220	220	220	220	220
Fitting flange size		mm	100	110	100	110	110	100
Rated torque		N.m	3.18	4	4.77	4.77	5.73	6.37
Instantaneous max. torque		N.m	9.55	12	14.3	14.3	17.2	19.1
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 max. 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 constant		N.m/A	0.52	0.63	0.628	0.63	0.63	0.607
Induced voltage constant per phase		mV[r/min]	18.15	23.55	21.92	23.2	24	21.247
Rated power rate	No brake	KW/S	49.82	23.1	80.12	28	34.7	110.26
	With brake	KW/S	43.03	22.1	71.775	27.3	34	101.19
Mechanical time constant	No brake	ms	0.619	1.5	0.507	1.47	1.38	0.425
	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
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]
Permissible load	Radial load	N	392	392	392	392	392	392
	Axial load	N	147	147	147	147	147	147
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%					
	Rated current	A	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
	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
	Suction time	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

External Dimensions for Servo Motor

Unit(mm)

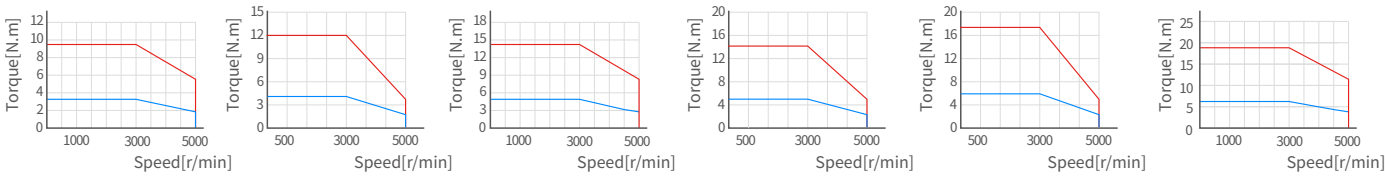
Models	X6MA100A	X6MA120E	X6MA150A	X6MA150E	X6MA180E	X6MA200A
LC	100	110	100	110	110	100
LA	φ115	φ130	φ115	φ130	φ130	φ115
LB	φ95	φ95	φ95	φ95	φ95	φ95
LZ	4-φ9	4-φ9	4-φ9	4-φ9	4-φ9	4-φ9
LR	55	55	55	55	55	55
S	φ19 h6	φ19 h6	φ19 h6	φ19 h6	φ19 h6	φ19 h6
LL no brake [with brake]	146[173]	152[179]	164.5[191.5]	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]	134[161]	152[167]	153[180]	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	66.5	71.5	66.5	71.5	71.5	66.5
LH3	60	60	60	60	60	60
LK	42	42	42	42	42	42
T	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	—	—	—	—	—	—

X6MA100A / X6MA120E / X6MA150A / X6MA150E / X6MA180E / X6MA200A



Torque characteristics

Instantaneous operation range Continuous operation range



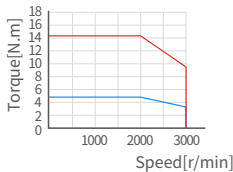
X6MA100A ▲ X6MA120E ▲ X6MA150A ▲ X6MA150E ▲ X6MA180E ▲ X6MA200A ▲

Servo Motor Specifications

Items		Unit	X6MM100A	X6MM150A	X6MM200A
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
Max. speed		r/min	3000	3000	3000
Rated current		Arms	5.2	8	9.9
Instantaneous max. current		Arms	15.6	24	30
Moment of inertia	No brake	$\times 10^{-4} \text{Kg.m}^2$	6.18	9.16	12.1
	With brake	$\times 10^{-4} \text{Kg.m}^2$	7.4	10.4	13.3
Torque constant		N.m/A	0.918	0.895	0.9645
Induced voltage constant per phase		mV[r/min]	33.65	34.84	37.95
Rated power rate	No brake	KW/S	36.8	56	75.4
	With brake	KW/S	30.7	49.3	68.6
Mechanical time constant	No brake	ms	1.51	1.16	1.05
	With brake	ms	1.81	1.3	1.16
Electrical time constant		ms	11.1	14.6	15.38
Weight: No brake[with brake]		kg	4.9[6.5]	6.1[7.7]	7.21[8.81]
Permissible load	Radial load	N	490	490	490
	Axial load	N	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%		
	Rated current	A	0.9	0.9	0.9
	Brake power	w	22	22	22
	Static friction torque	N.m	14 or more	14 or more	14 or more
	Suction time	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

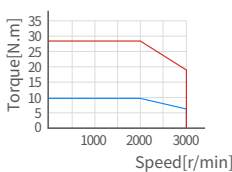
Instantaneous operation range Continuous operation range



X6MM100A▲



X6MM150A▲



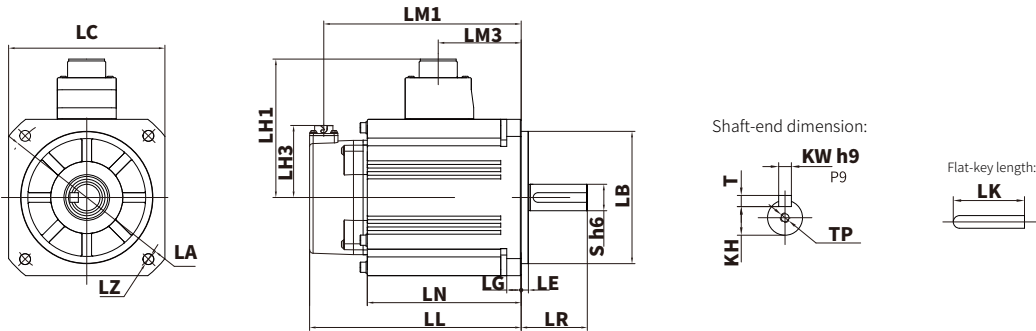
X6MM200A▲

External Dimensions for Servo Motor

Unit(mm)

Models	X6MM100A	X6MM150A	X6MM200A
LC	130	130	130
LA	φ145	φ145	φ145
LB	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9
LR	55	55	55
S	φ22 h6	φ22 h6	φ22 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
T	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



Servo Motor Specifications

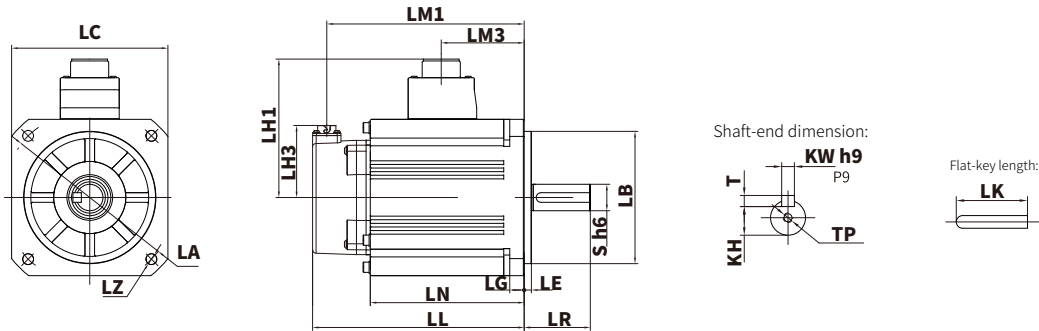
Items		Unit	X6MM100S	X6MM150S	X6MM200S
Rated power		W	1000	1500	2000
Rated voltage		V	220	220	220
Fitting flange size		mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous max. torque		N.m	14.31	21.5	28.6
Rated speed		r/min	2000	2000	2000
Max. speed		r/min	5000	5000	5000
Rated current		Arms	8.25	9.5	15
Instantaneous max. current		Arms	25	29	50
Moment of inertia	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 constant		N.m/A	0.573	0.672	0.627
Induced voltage constant per phase		mV[r/min]	21.2	25.9	23
Rated power rate	No brake	KW/S	24.84	42.37	54.13
	With brake	KW/S	21.88	38.55	50.53
Mechanical time constant	No brake	ms	1.24	1.08	0.93
	With brake	ms	1.41	1.18	1
Electrical time constant		ms	13.3	16.13	13.75
Weight: No brake[with brake]		kg	6.1[7.7]	7.21[8.81]	7.14[10.33]
Permissible load	Radial load	N	490	490	490
	Axial load	N	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%		
	Rated current	A	0.9	0.9	0.9
	Brake power	w	21.5	21.5	21.5
	Static friction torque	N.m	14 or more	14 or more	14 or more
	Suction time	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	X6MM100S	X6MM150S	X6MM200S
LC	130	130	130
LA	φ145	φ145	φ145
LB	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9
LR	55	55	55
S	φ22 h6	φ22 h6	φ22 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
T	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

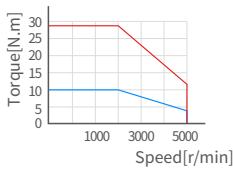
Instantaneous operation range Continuous operation range



X6MM100S▲



X6MM150S▲



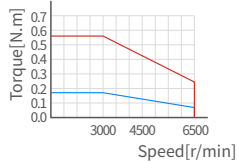
X6MM200S▲

Servo Motor Specifications

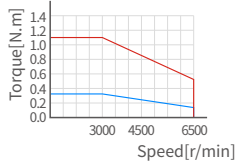
Items		Unit	X6MH005A	X6MH010A	X6MH015A	X6MH020A*2
Rated power		W	50	100	150	200
Rated voltage		V	220	220	220	220
Fitting flange size		mm	40	40	40	60
Rated torque		N.m	0.16	0.32	0.477	0.64
Instantaneous max. torque		N.m	0.56	1.11	1.43	2.23
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	6500	6500	6000	6500
Rated current		Arms	1.1	1.1	1.5	1.4
Instantaneous max. current		Arms	3.89	3.89	4.5	4.87
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.038	0.071	0.13	0.29
	With brake	x10 ⁻⁴ Kg.m ²	0.042	0.074	0.133	0.31
Torque constant		N.m/A	0.168	0.327	0.33	0.5
Induced voltage constant per phase		mV[r/min]	5	11.5	13.66	14.61
Rated power rate	No brake	KW/S	6.7	14.4	17.5	14.1
	With brake	KW/S	6.1	13.8	17.1	13.2
Mechanical time constant	No brake	ms	2.6	1.67	1.9	1.57
	With brake	ms	2.85	1.74	1.94	1.68
Electrical time constant		ms	0.89	1.1	1.22	2.58
Weight: No brake[with brake]		kg	0.33 [0.55]	0.45 [0.66]	0.6[0.81]	0.87 [1.27]
Permissible load	Radial load	N	68	68	68	245
	Axial load	N	58	58	58	98
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.25	0.25	0.375	0.36
	Brake power	w	6	6	9	9
	Static friction torque	N.m	0.38 or more	0.38 or more	0.58 or more	1.6 or more
	Suction time	ms	35 or less	35 or less	50 or less	50 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

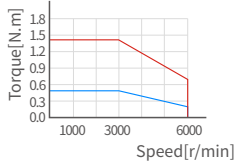
Instantaneous operation range Continuous operation range



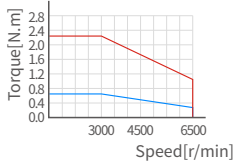
X6MH005A ▲



X6MH010A ▲



X6MH015A ▲



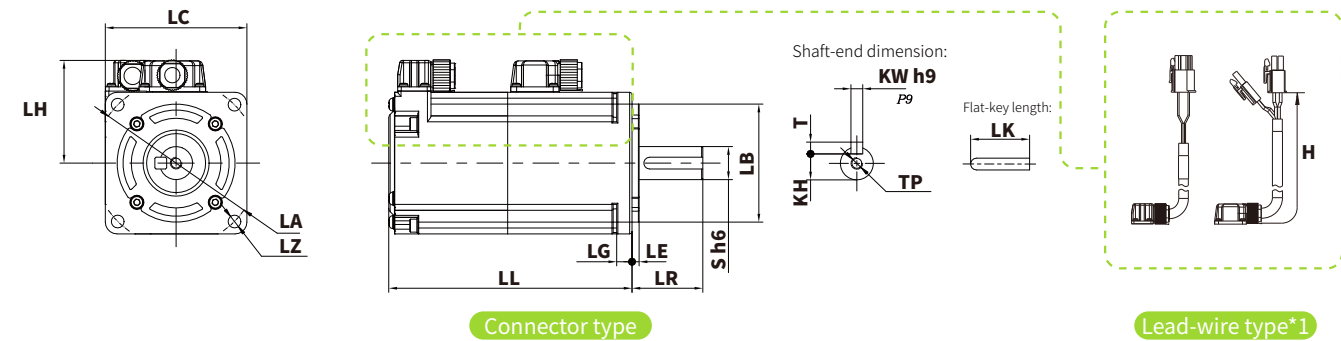
X6MH020A ▲

External Dimensions for Servo Motor

Unit(mm)

Models	X6MH005A	X6MH010A	X6MH015A	X6MH020A*2
LC	40	40	40	60
LA	φ46	φ46	φ46	φ70
LB	φ30	φ30	φ30	φ50
LZ	2-φ4.3	2-φ4.3	2-φ4.3	4-φ5.4
LR	25	25	25	30
S	φ8 h6	φ8 h6	φ8 h6	φ14 h6
LL no brake [with brake]	57 [87.4]	71 [101.4]	93.8 [124.2]	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
T	3	3	3	5
KW	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

X6MH005A / X6MH010A / X6MH015A / X6MH020A



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

*2: This servo motor has an output shaft φ11 and the model name isM□□□□2J□.

Servo Motor Specifications

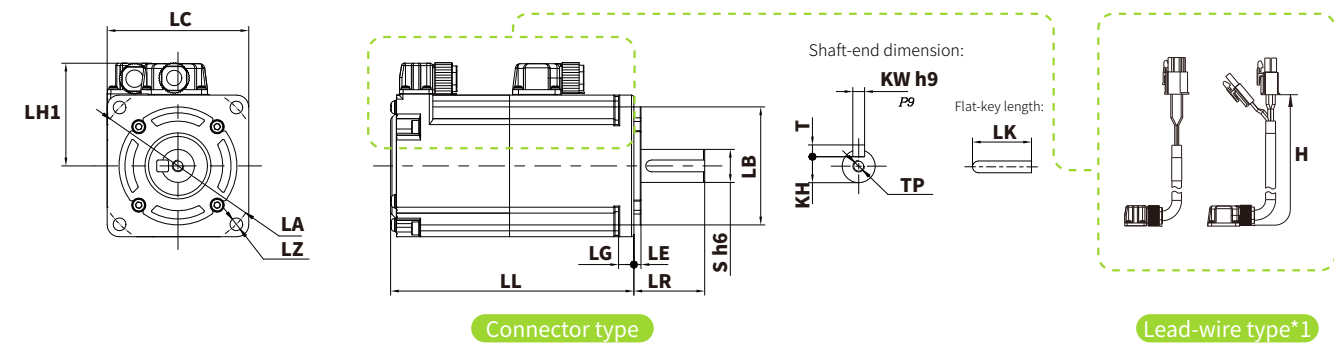
Items		Unit	X6MH040A	X6MH060A	X6MH075A	X6MH100A	X6MH150A
Rated power		W	400	600	750	1000	1500
Rated voltage		V	220	220	220	220	220
Fitting flange size		mm	60	60	80	130	130
Rated torque		N.m	1.27	1.91	2.39	4.77	7.16
Instantaneous max. torque		N.m	4.46	6.68	8.36	14.3	21.5
Rated speed		r/min	3000	3000	3000	2000	2000
Max. speed		r/min	6500	6000	6000	3000	3000
Rated current		Arms	2.1	3.1	3.8	5.2	8
Instantaneous max. current		Arms	7.36	12	13.3	15.6	24
Moment of inertia	No brake	$\times 10^{-4}$ Kg.m ²	0.56	0.95	1.56	30.8	38.5
	With brake	$\times 10^{-4}$ Kg.m ²	0.58	0.97	1.66	32	39.7
Torque constant		N.m/A	0.67	0.61	0.648	0.918	0.895
Induced voltage constant per phase		mV[r/min]	20.85	21.65	22.65	33.65	34.84
Rated power rate	No brake	KW/S	28.8	38.8	36.6	7.39	13.3
	With brake	KW/S	27.8	37.9	34.4	7.11	12.9
Mechanical time constant	No brake	ms	1.24	1.05	0.97	7.54	4.9
	With brake	ms	1.29	1.08	1.03	7.84	5.05
Electrical time constant		ms	2.97	3.09	6.59	11.1	14.63
Weight: No brake[with brake]		kg	1.22 [1.61]	2[2.4]	2.25 [3.01]	6.63[8.23]	8.03[9.63]
Permissible load	Radial load	N	245	245	392	490	490
	Axial load	N	98	98	147	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%				
	Rated current	A	0.36	0.46	0.42	0.9	0.9
	Brake power	w	9	11	9	9	9
	Static friction torque	N.m	1.6 or more	2.5 or more	3.8 or more	14 or more	14 or more
	Suction time	ms	50 or less	60 or less	70 or less	100 or less	100 or less
	Release time	ms	20 or less	20 or less	20 or less	60 or less	60 or less
	Release voltage	V	DC1V or more				

External Dimensions for Servo Motor

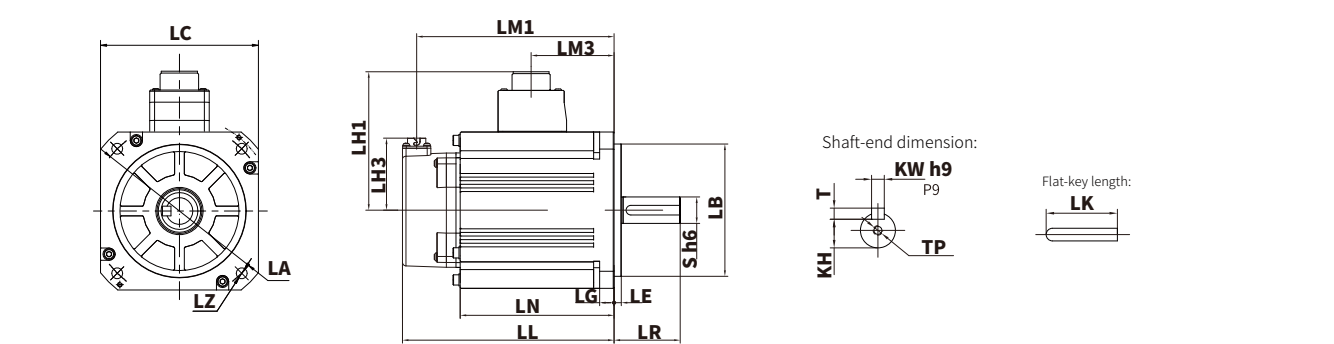
Unit(mm)

Models	X6MH040A	X6MH060A	X6MH075A	X6MH100A	X6MH150A
LC	60	60	80	130	130
LA	φ70	φ70	φ90	φ145	φ145
LB	φ50	φ50	φ70	φ110	φ110
LZ	4-φ5.4	4-φ5.4	4-φ6.5	4-φ9	4-φ9
LR	30	30	35	55	55
S	φ14 h6	φ14 h6	φ19 h6	φ22 h6	φ22 h6
LL no brake [with brake]	87.5 [117]	114.6 [144.1]	94.5 [128.5]	156 [176]	170 [190]
LN no brake [with brake]	—	—	—	108 [128]	122 [142]
LG	6.5	6.5	8	12	12
LE	3	3	3	6	6
LM1 no brake [with brake]	—	—	—	144.2 [164.2]	158.2 [178.2]
LM3	—	—	—	69	83
LH1	44.5	43.5	54.5	115	115
LH3	—	—	—	60	60
LK	25	25	25	45	45
T	5	5	6	7	7
KW	5 h9	5 h9	6 h9	8 h9	8 h9
KH	11	11	15.5	18	18
TP	M5 depth 12	M5 depth 12	M5 depth 12	M6 depth 20	M6 depth 20
H type cable length for lead-wire type	210	210	210	—	—

X6MH040A / X6MH060A / X6MH075A



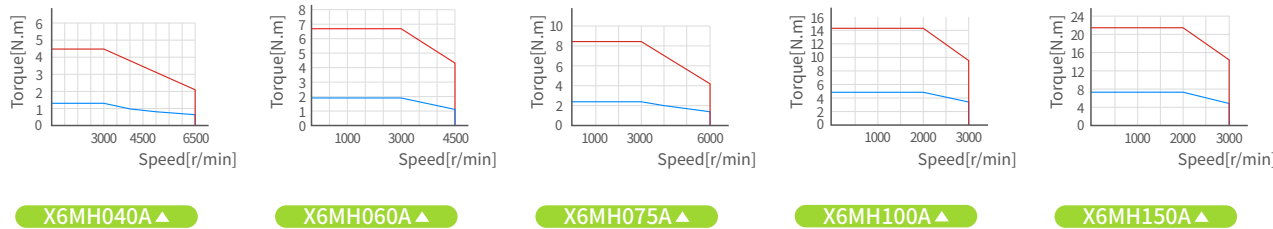
X6MH100A / X6MH150A



Note 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 operation range Continuous operation range



Servo Motor Specifications

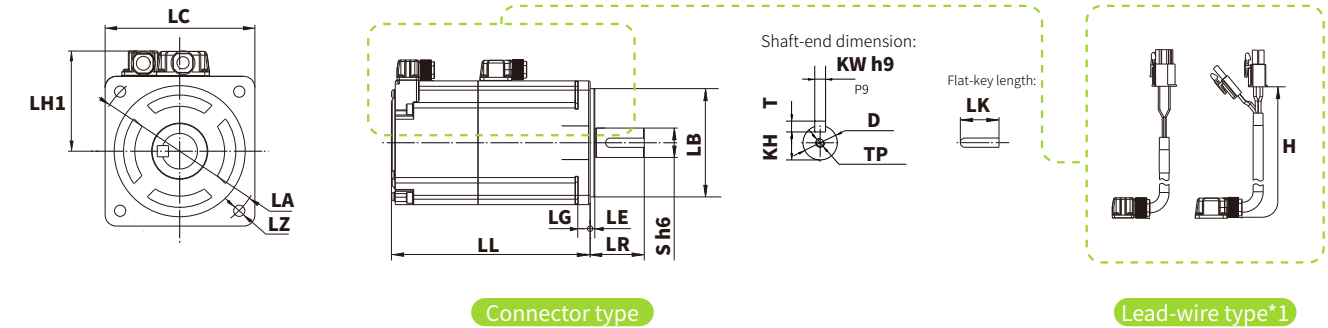
Items		Unit	X6MH010H	X6MH020H	X6MH040H	X6MH075H
Rated power		W	100	200	400	750
Rated voltage		V	220	220	220	220
Fitting flange size		mm	40	60	60	80
Rated torque		N.m	0.32	0.64	1.27	2.39
Instantaneous max. torque		N.m	1.11	2.23	4.45	8.36
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	6500	6500	6500	6000
Rated current		Arms	0.92	1.4	2.4	3.8
Instantaneous max. current		Arms	3.6	4.87	8.2	18.8
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.092	0.47	0.73	3.15
	With brake	x10 ⁻⁴ Kg.m ²	0.095	0.49	0.75	—*2
Torque constant		N.m/A	0.347	0.5	0.531	0.648
Induced voltage constant per phase		mV[r/min]	13.7	14.61	20.4	22.65
Rated power rate	No brake	KW/S	11.13	8.71	22.09	18.1
	With brake	KW/S	10.78	8.36	21.5	17.85
Mechanical time constant	No brake	ms	2.23	2.54	1.15	1.95
	With brake	ms	2.3	2.65	1.18	1.98
Electrical time constant		ms	0.986	2.58	4.1	6.59
Weight: No brake[with brake]		kg	0.44[0.65]	0.95 [1.29]	1.45 [1.85]	2.65 [—*2]
Permissible load	Radial load	N	68	245	245	392
	Axial load	N	58	98	98	147
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.25	0.36	0.36	0.42
	Brake power	w	6	9	9	10
	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)

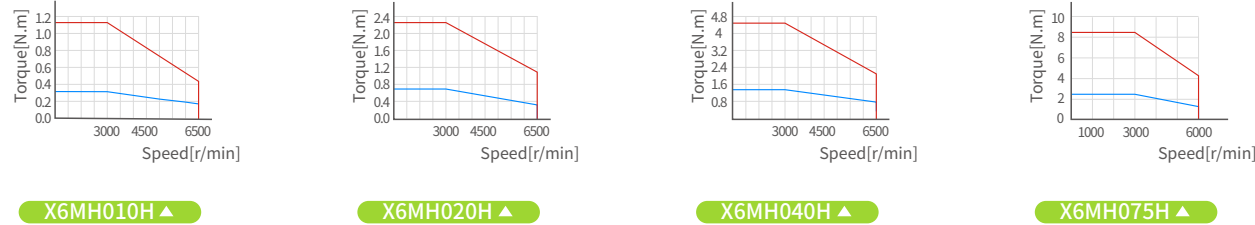
Models	X6MH010H	X6MH020H (Lead-wire type)	X6MH040H	X6MH075H (Lead-wire type)
LC	40	60	60	80
LA	φ46	φ70	φ70	φ90
LB	φ30	φ50	φ50	φ70
LZ	2-φ4.3	4-φ5.5	4-φ5.5	4-φ6.6
LR	25	30	30	35
S	φ8 h6	φ14 h6	φ14 h6	φ19 h6
LL no brake [with brake]	76.7 [107.1]	82.4 [111.9]	98.5 [128]	122 [—*2]
LG	5	6.5	6.5	8
LE	3	3	3	3
LH1	35	43.5	44.5	53.5
LK	14	25	25	25
T	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



Torque characteristics

Instantaneous operation range Continuous operation range

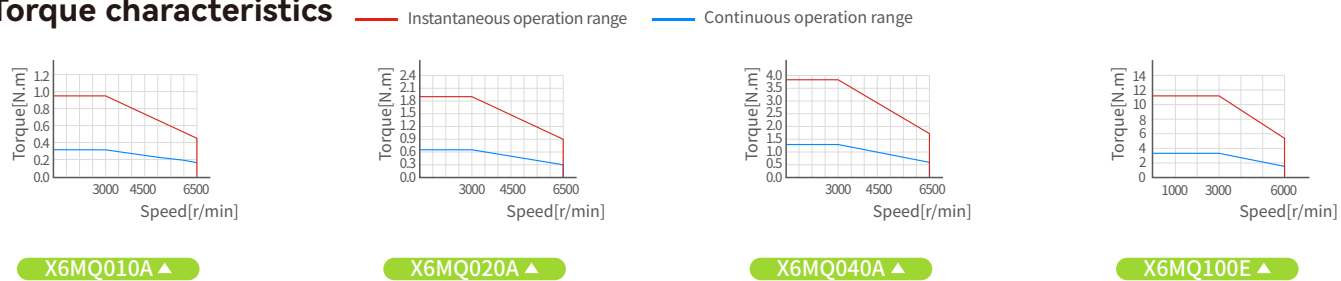


Note 1: For X6 series servo motors, the lead-wire types are needed to be customized. For details, please contact our sales department.
*2: Indicates that this model does not have brake.

Servo Motor Specifications

Items		Unit	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 max. current		Arms	3.45	3.45	6.4	8.4	21.2
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.14	0.14	0.47	0.87	2
	With brake	x10 ⁻⁴ Kg.m ²	0.16	0.16	0.5	0.9	2.1
Torque constant		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 rate	No brake	KW/S	6.99	6.99	8.63	18.5	50.7
	With brake	KW/S	6.64	6.64	8.12	17.92	48.31
Mechanical time constant	No brake	ms	2.3	2.3	2.51	1.51	0.85
	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
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]
Permissible load	Radial load	N	68	68	245	245	392
	Axial load	N	58	58	98	98	147
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%				
	Rated current	A	0.9	0.9	0.9	0.9	0.42
	Brake power	w	22	22	22	22	22
	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
	Suction time	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				

Torque characteristics

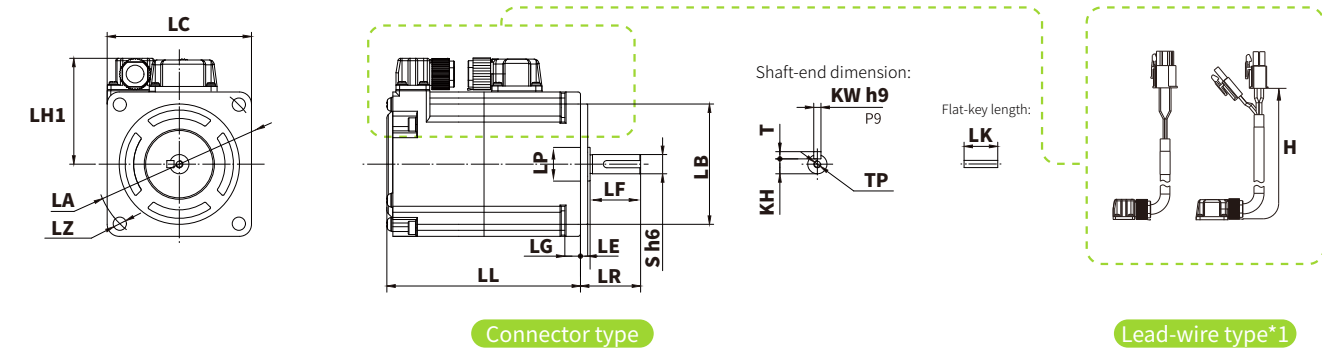


External Dimensions for Servo Motor

Unit(mm)

Models	X6MQ010A (Lead-wire type)	X6MQ020A (Lead-wire type)	X6MQ040A (Lead-wire type)	X6MQ100E
LC	60	80	80	80
LA	φ70	φ90	φ90	φ90
LB	φ50h7	φ70	φ70	φ70
LZ	4-φ5.4	4-φ6.5	4-φ6.5	4-φ6.5
LR	25	30	30	35
S	φ8 h6	φ11 h6	φ14 h6	φ19 h6
LL no brake [with brake]	58.5 [78]	66 [91]	77 [102]	108 [141.5]
LG	6.5	8	8	8
LE	3	3	3	3
LF	21	26	26	—
LP	φ14	φ19.7	φ19.7	—
LH1	43.5	53.5	53.5	54.5
LK	14	20	22	25
T	3	4	5	6
KW	3 h9	4 h9	5 h9	6 h9
KH	6.2	8.5	11	15.5
TP	M3 depth 6	M4 depth 8	M5 depth 12	M5 depth 12
H type cable length for lead-wire type	210	210	210	210

X6MQ010A / X6MQ020A / X6MQ040A / X6MQ100E



Note 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

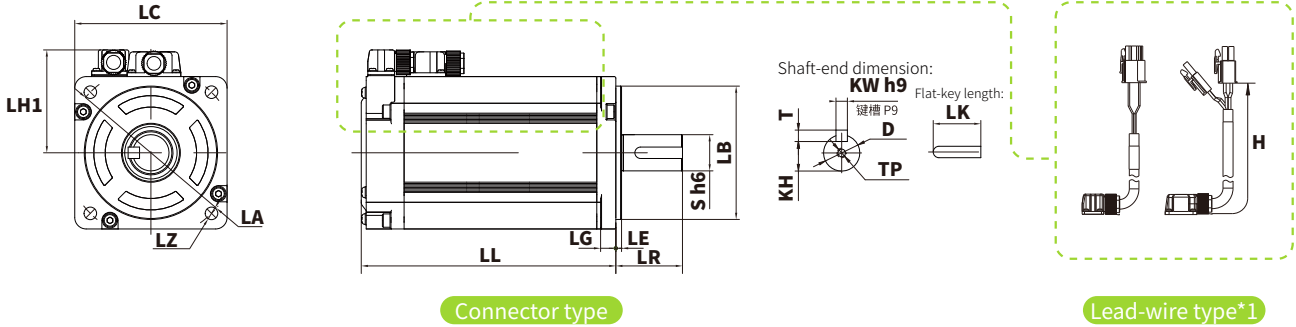
Items		Unit	X6MG075A	X6MG085A	X6MG100A	X6MG130A	X6MG180A
Rated power		W	750	850	1000	1300	1800
Rated voltage		V	220	220	220	220	220
Fitting flange size		mm	80	130	130	130	130
Rated torque		N.m	4.77	5.41	9.55	8.28	11.5
Instantaneous max. torque		N.m	14.3	16.2	28.6	24.84	34.5
Rated speed		r/min	1500	1500	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 inertia	No brake	x10 ⁻⁴ Kg.m ²	2.88	14	12.1	20.2	26
	With brake	x10 ⁻⁴ Kg.m ²	3	15.2	13.3	21.4	27.2
Torque constant		N.m/A	1.135	0.918	1.83	0.895	0.964
Induced voltage constant per phase		mV[r/min]	43.3	33.65	67.3	34.84	40.18
Rated power rate	No brake	KW/S	79	63.29	75.4	33.9	50.87
	With brake	KW/S	75.84	58.26	68.6	32	48.6
Mechanical time constant	No brake	ms	1.01	3.43	1.12	2.57	2.06
	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
Weight: No brake[with brake]		kg	3.46 [4.14]	5.76[7.36]	7.14[8.74]	7.12[8.72]	8.37[9.97]
Permissible load	Radial load	N	392	490	490	490	490
	Axial load	N	147	160	160	160	160
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%				
	Rated current	A	0.42	0.9	0.9	0.9	0.9
	Brake power	w	10	10	10	10	10
	Static friction torque	N.m	3.8 or more	14 or more	14 or more	14 or more	14 or more
	Suction time	ms	70 or less	100 or less	100 or less	100 or less	100 or less
	Release time	ms	20 or less	60 or less	60 or less	60 or less	60 or less
	Release voltage	V	DC1V or more				

External Dimensions for Servo Motor

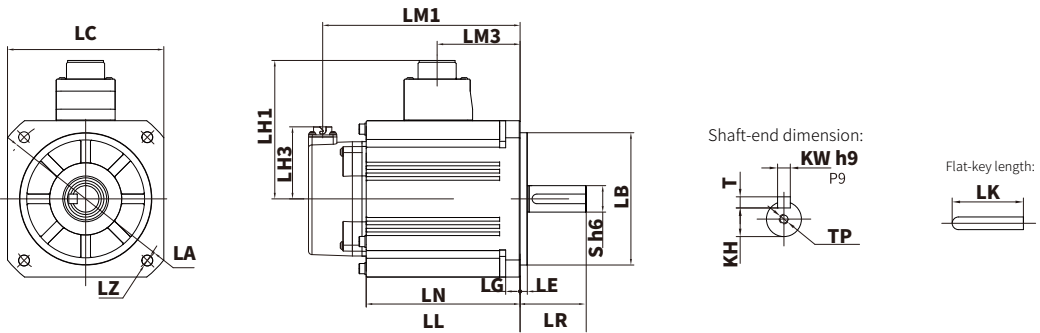
Unit(mm)

Models	X6MG075A (Lead-wire type)	X6MG085A	X6MG100A	X6MG130A	X6MG180A
LC	80	130	130	130	130
LA	φ90	φ145	φ145	φ145	φ145
LB	φ70	φ110	φ110	φ110	φ110
LZ	4-φ6.6	4-φ9	4-φ9	4-φ9	4-φ9
LR	35	55	55	55	55
S	φ19 h6	φ22 h6	φ22 h6	φ22 h6	φ22 h6
LL no brake [with brake]	134 [177.5]	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
T	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 lead-wire type	210	—	—	—	—

X6MG075A



X6MG085A / X6MG100A / X6MG130A / X6MG180A



Note 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 operation range Continuous operation range



Servo Motor Specifications

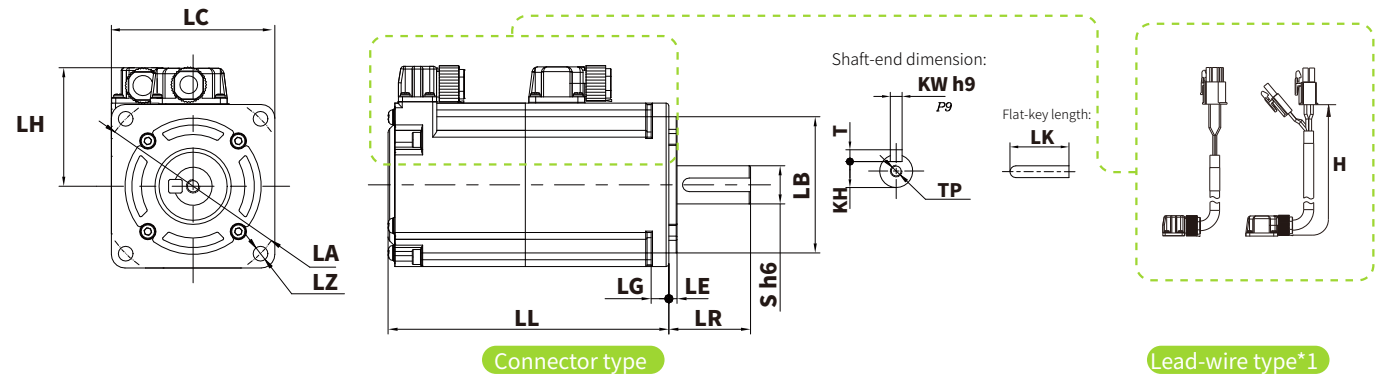
Items		Unit	NEW X6MG040S	NEW X6MG075S	X6MG085S	X6MG130S	X6MG180S
Rated power		W	400	750	850	1300	1800
Rated voltage		V	220	220	220	220	220
Fitting flange size		mm	60	80	130	130	130
Rated torque		N.m	1.27	2.38	5.39	8.28	11.5
Instantaneous max. torque		N.m	4.45	8.35	16.2	24.84	34.5
Rated speed		r/min	3000	3000	1500	1500	1500
Max. speed		r/min	7000	7000	4000	4000	4000
Rated current		Arms	2.8	4.5	6.7	9.6	15.6
Instantaneous max. current		Arms	9.8	16	20.1	28.8	46.8
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	0.65	1.9	13.9	19.9	26
	With brake	x10 ⁻⁴ Kg.m ²	0.67	2	15.1	21.1	27.2
Torque constant		N.m/A	0.469	2.38	0.859	0.891	0.748
Induced voltage constant per phase		mV[r/min]	18.42	19.34	28.95	29.8	25.4
Rated power rate	No brake	KW/S	27.1	28.5	20.9	35	50.9
	With brake	KW/S	26.2	25.9	18.2	31.6	47.1
Mechanical time constant	No brake	ms	2.63	1.26	2.74	2.23	1.95
	With brake	ms	3.72	1.39	3.16	2.46	2.29
Electrical time constant		ms	1.08	3.22	10.2	10.7	11.14
Weight: No brake[with brake]		kg	1.3[1.7]	2.51[3.28]	5.5[7.5]	7.1[9]	8.6[11]
Permissible load	Radial load	N	245	392	490	490	490
	Axial load	N	98	147	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%				
	Rated current	A	0.36	0.42	0.41	0.41	0.41
	Brake power	w	7.3	9.6	12	12	12
	Static friction torque	N.m	1.6 or more	3.8 or more	14 or more	14 or more	14 or more
	Suction time	ms	50 or less	70 or less	100 or less	100 or less	100 or less
	Release time	ms	20 or less	20 or less	80 or less	80 or less	80 or less
	Release voltage	V	DC1V or more				

External Dimensions for Servo Motor

Unit(mm)

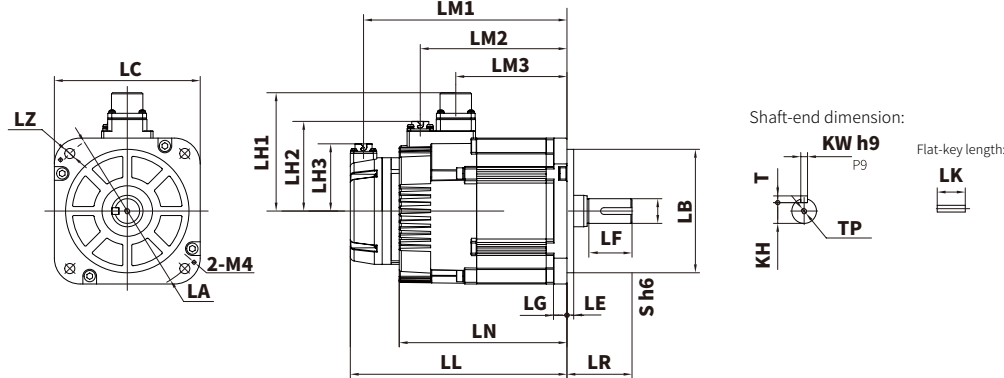
Models	X6MG040S	X6MG075S	X6MG085S	X6MG130S	X6MG180S
LC	60	80	130	130	130
LA	φ70	φ90	φ145	φ145	φ145
LB	φ50	φ70	φ110	φ110	φ110
LZ	4-φ5.5	4-φ6.5	4-φ9	4-φ9	4-φ9
LR	30	35	58	58	58
S	φ14 h6	φ19 h6	φ19 h6	φ22 h6	φ24 h6
LL no brake [with brake]	98.5 [128]	108 [141.5]	128.5 [164.5]	144.5[180.5]	162.5 [198.5]
LN no brake [with brake]	—	—	97.5[133.5]	113.5[149.5]	131.5[167.5]
LG	6.5	8	12	12	12
LE	3	3	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	25	25
T	5	6	5	6	7
KW	5 h9	6 h9	5 h9	6 h9	8 h9
KH	11	15.5	16	18.5	20
TP	M5 depth 12	M5 depth 12	M5 depth 16	M5 depth 16	M5 depth 16

X6MG040S/X6MG075S



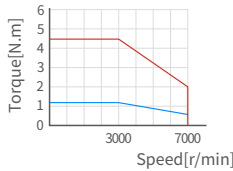
X6MG085S/X6MG130S/X6MG180S

Note 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 operation range Continuous operation range



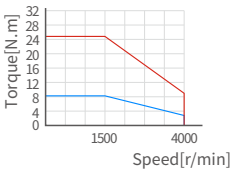
X6MG040S ▲



X6MG075S ▲



X6MG085S ▲



X6MG130S ▲



X6MG180S ▲

Servo Motor Specifications

Items		Unit	X6MA100A	X6MA150A	X6MA200A	X6MA250A
Rated power		W	1000	1500	2000	2500
Rated voltage		V	380	380	380	380
Fitting flange size		mm	100	100	100	100
Rated torque		N.m	3.18	4.77	6.37	7.96
Instantaneous max. torque		N.m	9.55	14.3	15.93	23.9
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	5000	5000	5000	6000
Rated current		Arms	4	5.4	6.3	7.4
Instantaneous max. current		Arms	12	16.5	19	22.2
Moment of inertia	No brake	$\times 10^{-4}$ Kg.m ²	2.03	2.84	3.68	4.5
	With brake	$\times 10^{-4}$ Kg.m ²	2.35	3.17	4.01	5.6
Torque constant		N.m/A	0.8185	0.879	1	1.07
Induced voltage constant per phase		mV[r/min]	29.56	31.75	43.88	47.17
Rated power rate	No brake	KW/S	53.3	80.3	132	35.8
	With brake	KW/S	48.2	70.9	94	34.2
Mechanical time constant	No brake	ms	0.589	0.51	0.47	0.49
	With brake	ms	0.651	0.57	0.67	0.52
Electrical time constant		ms	6.16	7.09	7.98	10.3
Weight: No brake[with brake]		kg	3.65 [4.65]	4.6 [5.6]	5.6 [6.6]	6.55 [6.85]
Permissible load	Radial load	N	392	392	392	392
	Axial load	N	147	147	147	147
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.81	0.81	0.81	0.82
	Brake power	w	19.5	19.5	19.5	19.5
	Static friction torque	N.m	8 or more	8 or more	8 or more	12 or more
	Suction time	ms	50 or less	50 or less	50 or less	100 or less
	Release time	ms	15 or less	15 or less	15 or less	60 or less
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more	DC1V or more

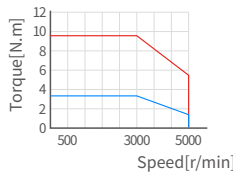
External Dimensions for Servo Motor

Unit(mm)

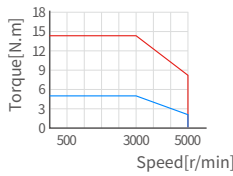
Models	X6MA100A	X6MA150A	X6MA200A	X6MA250A
LC	100	100	100	100
LA	φ115	φ115	φ115	φ135
LB	φ95	φ95	φ95	φ95
LZ	4-φ9	4-φ9	4-φ9	4-φ9
LR	55	55	55	55
S	φ19 h6	φ19 h6	φ19 h6	φ19 h6
LL (20bit)no brake [with brake]	123.5 [150.5]	142[169]	161[188]	181[208]
LL (23bit)no brake [with brake]	146[173]	164.5[191.5]	183.5[210.5]	204[230]
LN no brake [with brake]	96.5[123.5]	115[142]	134[161]	154[181]
LG	10	10	10	10
LE	3	3	3	3
LM1 (20bit)no brake [with brake]	111.5[138.5]	130[157]	149[176]	169[196]
LM1 (23bit)no brake [with brake]	134[161]	152.5[179.5]	171.5[198.5]	192[219]
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	119
LM3(23bit)	62	80.5	99.5	119
LH1	103	103	103	100
LH2	66.5	66.5	66.5	—
LH3(20bit)	55	55	55	55
LH3(23bit)	60	60	60	60
LK	42	42	42	42
T	6	6	6	6
KW	6h9	6h9	6h9	6h9
KH	15.5	15.5	15.5	15.5
TP	M5 depth 12	M5 depth 12	M5 depth 12	M5 depth 12

Torque characteristics

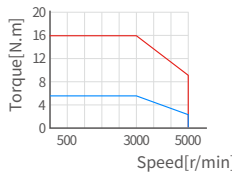
Instantaneous operation range Continuous operation range



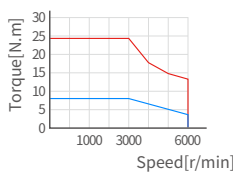
X6MA100A ▲



X6MA150A ▲

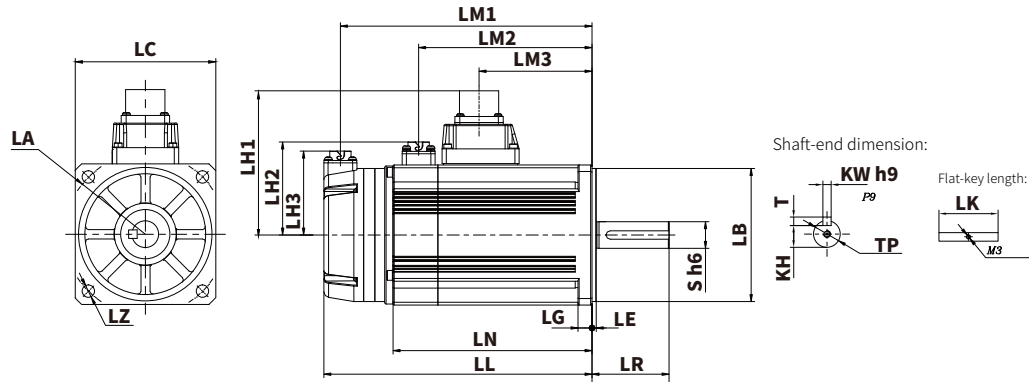


X6MA200A ▲



X6MA250A ▲

X6MA100A / X6MA150A / X6MA200A / X6MA250A



Servo Motor Specifications

Items		Unit	X6MA300A	X6MA300K	X6MA400K	X6MA500K
Rated power		W	3000	3000	4000	5000
Rated voltage		V	380	380	380	380
Fitting flange size		mm	130	130	130	130
Rated torque		N.m	9.55	9.55	12.7	15.9
Instantaneous max. torque		N.m	28.65	28.65	38.1	47.7
Rated speed		r/min	3000	3000	3000	3000
Max. speed		r/min	5000	5000	5000	5000
Rated current		Arms	10.5	9	13	16
Instantaneous max. current		Arms	32	28	40	50
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	20.8	10.75	14.7	20.3
	With brake	x10 ⁻⁴ Kg.m ²	22	11.95	15.9	21.5
Torque constant		N.m/A	0.91	1.053	0.9767	1
Induced voltage constant per phase		mV[r/min]	38.45	41.4	40.89	39.97
Rated power rate	No brake	KW/S	118	88.8	111	125
	With brake	KW/S	89.2	74.6	97.2	114
Mechanical time constant	No brake	ms	0.407	0.78	0.764	0.75
	With brake	ms	0.539	0.96	0.868	0.83
Electrical time constant		ms	15.3	11.44	12.17	12.7
Weight: No brake[with brake]		kg	9.4[11]	10.4 [12]	13.75 [15.35]	18[19.6]
Permissible load	Radial load	N	490	490	490	490
	Axial load	N	196	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.9	0.9	0.9	0.9
	Brake power	w	21.5	21.5	21.5	21.5
	Static friction torque	N.m	20 or more	20 or more	20 or more	20 or more
	Suction time	ms	100 or less	100 or less	100 or less	100 or less
	Release time	ms	60 or less	60 or less	60 or less	60 or less
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more	DC1V or more

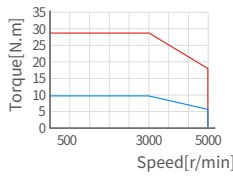
External Dimensions for Servo Motor

Unit(mm)

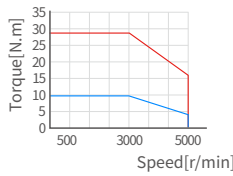
Models	X6MA300A	X6MA300K	X6MA400K	X6MA500K
LC	130	130	130	130
LA	φ145	φ145	φ145	φ145
LB	φ110	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9	4-φ9
LR	65	65	65	65
S	φ24 h6	φ24 h6	φ24 h6	φ24 h6
LL (20bit)no brake [with brake]	182 [202]	182 [202]	224 [244]	274 [294]
LL (23bit)no brake [with brake]	202.5[222.5]	202.5[222.5]	244.5[264.5]	294.5[314.5]
LN no brake [with brake]	155.5[174.5]	154.5[174.5]	196.5[216.5]	246.5[266.5]
LG	12	12	12	12
LE	6	6	6	6
LM1 (20bit)no brake [with brake]	170[190]	170[190]	212[232]	262[282]
LM1 (23bit)no brake [with brake]	190.5[210.7]	190.5[210.5]	232.5[252.5]	282.7[302.7]
LM2 (20bit)no brake [with brake]	—	—	—	—
LM2 (23bit)no brake [with brake]	—	—	—	—
LM3(20bit)	115.5	115.5	157.5	207.5
LM3(23bit)	115.5	115.5	157.5	207.5
LH1	115	115	115	115
LH2	—	—	—	—
LH3(20bit)	56.5	56.5	56.5	56.5
LH3(23bit)	60	60	60	60
LK	51	51	51	51
T	7	7	7	7
KW	8h9	8h9	8h9	8h9
KH	20	20	20	20
TP	M6 depth 20	M6 depth 20	M6 depth 20	M6 depth 20

Torque characteristics

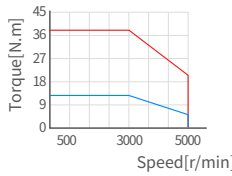
Instantaneous operation range Continuous operation range



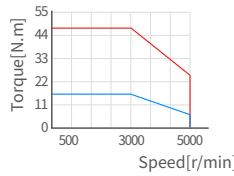
X6MA300A ▲



X6MA300k ▲

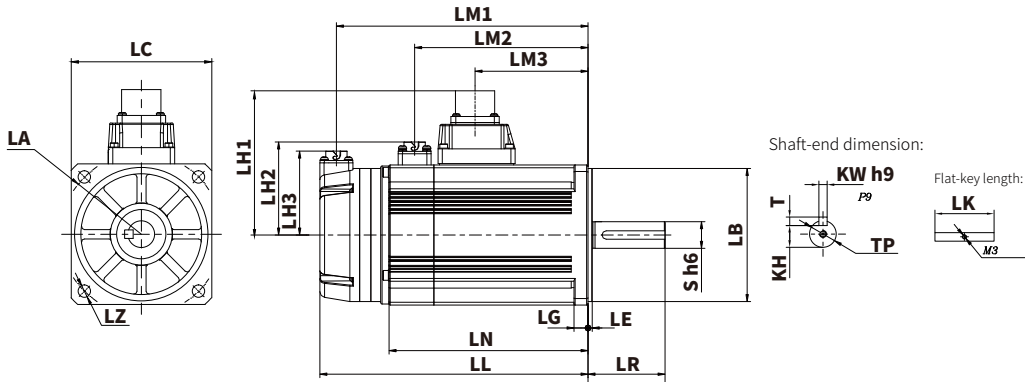


X6MA400k ▲



X6MA500k ▲

X6MA300A / X6MA300K / X6MA400K/X6MA500K

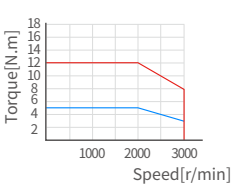


Servo Motor Specifications

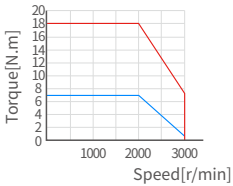
Items		Unit	X6MM100A	X6MM150A	X6MM200A
Rated power		W	1000	1500	2000
Rated voltage		V	380	380	380
Fitting flange size		mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous max. torque		N.m	12	17.9	23.87
Rated speed		r/min	2000	2000	2000
Max. speed		r/min	3000	3000	3000
Rated current		Arms	3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

Torque characteristics

Instantaneous operation range Continuous operation range



X6MM100A ▲



X6MM150A ▲



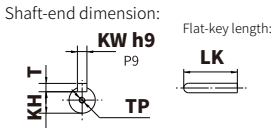
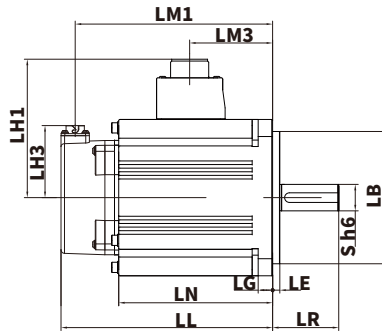
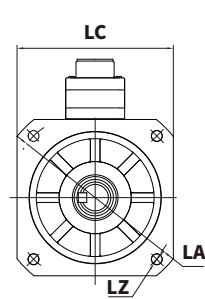
X6MM200A ▲

External Dimensions for Servo Motor

Unit(mm)

Models	X6MM100A	X6MM150A	X6MM200A
LC	130	130	130
LA	φ145	φ145	φ145
LB	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9
LR	55	55	55
S	φ22 h6	φ22 h6	φ22 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
T	7	7	7
KW	8h9	8h9	8h9
KH	18	18	18
TP	M6 depth 20	M6 depth 20	M6 depth 20

X6MM100A / X6MM150A / X6MM200A

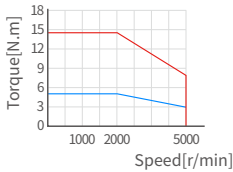


Servo Motor Specifications

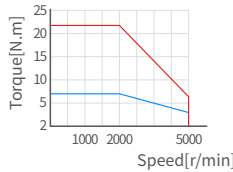
Items		Unit	X6MM100S	X6MM150S	X6MM200S
Rated power		W	1000	1500	2000
Rated voltage		V	380	380	380
Fitting flange size		mm	130	130	130
Rated torque		N.m	4.77	7.16	9.55
Instantaneous max. torque		N.m	14.31	21.5	28.6
Rated speed		r/min	2000	2000	2000
Max. speed		r/min	5000	5000	5000
Rated current		Arms	4.6	6.7	9
Instantaneous max. current		Arms	16.2	23.5	31.5
Moment of inertia	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 constant		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 rate	No brake	KW/S	24.9	42.4	54.1
	With brake	KW/S	21.9	38.6	50.7
Mechanical time constant	No brake	ms	1.29	1.15	0.97
	With brake	ms	1.47	1.26	1.04
Electrical time constant		ms	11.8	13.9	19.4
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
	Axial load	N	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%		
	Rated current	A	0.9	0.9	0.9
	Brake power	w	21.5	21.5	21.5
	Static friction torque	N.m	14 or more	14 or more	14 or more
	Suction time	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	DC1V or more	DC1V or more

Torque characteristics

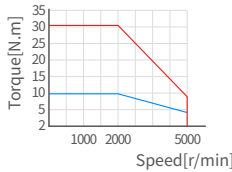
Instantaneous operation range Continuous operation range



X6MM100S ▲



X6MM150S ▲



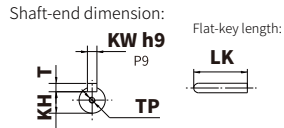
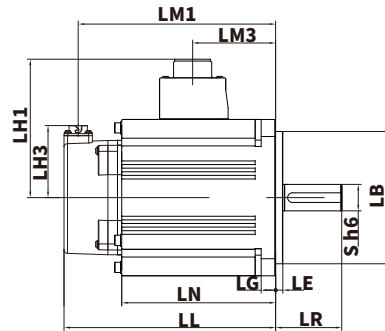
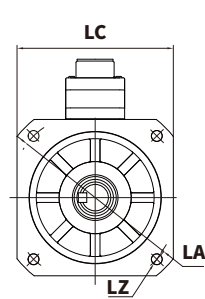
X6MM200S ▲

External Dimensions for Servo Motor

Unit(mm)

Models	X6MM100S	X6MM150S	X6MM200S
LC	130	130	130
LA	φ145	φ145	φ145
LB	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9
LR	55	55	55
S	φ22 h6	φ22 h6	φ22 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
T	7	7	7
KW	8h9	8h9	8h9
KH	18	18	18
TP	M6 depth 20	M6 depth 20	M6 depth 20

X6MM100S / X6MM150S / X6MM200S



Servo Motor Specifications

Items		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 inertia	No brake	$\times 10^{-4}\text{Kg.m}^2$	43.5	54.7	66.7	99.3	136.4
	With brake	$\times 10^{-4}\text{Kg.m}^2$	63.2	68	80.8	114.2	150.8
Torque constant		N.m/A	1.8	1.82	2.04	2.5	2.1
Induced voltage constant per phase		mV[r/min]	62.9	63.5	71.3	87.2	74.3
Rated power rate	No brake	KW/S	47.2	66.7	85.5	230.1	167.5
	With brake	KW/S	32.5	53.6	70.5	200.1	151.5
Mechanical time constant	No brake	ms	1.4	1.29	1.10	0.82	0.96
	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
Weight: No brake[with brake]		kg	14.3 [19]	16.5 [21.2]	19.4 [24.1]	25[29.7]	28.2[32.9]
Permissible load	Radial load	N	784	784	784	2058	2058
	Axial load	N	343	343	343	980	980
Brake specifications Note: Holding brake	Rated voltage	V	DC24V $\pm$ 10%				
	Rated current	A	1.04	1.04	1.04	1.04	1.04
	Brake power	w	25	25	25	25	25
	Static friction torque	N.m	74 or more	74 or more	74 or more	74 or more	74 or more
	Suction time	ms	120 or less	120 or less	120 or less	120 or less	120 or less
	Release time	ms	30 or less	30 or less	30 or less	30 or less	30 or less
	Release voltage	V	DC0.5 or more				

Torque characteristics

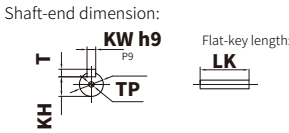
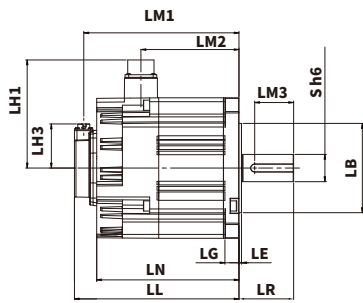
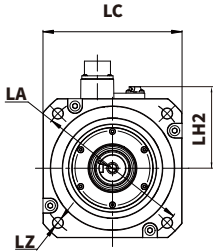


External Dimensions for Servo Motor

Unit(mm)

Models	X6MM300A	X6MM400A	X6MM500A	X6MM750A	X6MM750H
LC	180	180	180	180	180
LA	200	200	200	200	200
LB	$\phi 114.3\text{ h7}$	$\phi 114.3\text{ h7}$	$\phi 114.3\text{ h7}$	$\phi 114.3\text{ h7}$	$\phi 114.3\text{ h7}$
LZ	4- $\phi 13.5$	4- $\phi 13.5$	4- $\phi 13.5$	4- $\phi 13.5$	4- $\phi 13.5$
LR	70 $\pm$ 0.5	70 $\pm$ 0.5	70 $\pm$ 0.5	113 $\pm$ 0.5	113 $\pm$ 0.5
S	$\phi 35\text{ h6}$	$\phi 35\text{ h6}$	$\phi 35\text{ h6}$	$\phi 42\text{ h6}$	$\phi 42\text{ h6}$
LL (20bit) no brake [with brake]	159 $\pm$ 1[211 $\pm$ 1]	173 $\pm$ 1[225 $\pm$ 1]	188 $\pm$ 1[240 $\pm$ 1]	230 $\pm$ 1[282 $\pm$ 1]	253 $\pm$ 1[305 $\pm$ 1]
LL (23bit) no brake [with brake]	172 $\pm$ 1[231.5 $\pm$ 1]	186 $\pm$ 1[245.5 $\pm$ 1]	201 $\pm$ 1[260.5 $\pm$ 1]	243 $\pm$ 1[302.5 $\pm$ 1]	266 $\pm$ 1[325.5 $\pm$ 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
T	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



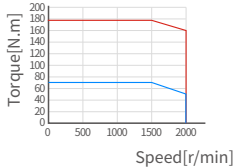
Servo Motor Specifications

Items		Unit	X6MM11KA	X6MM15KA
Rated power		KW	11	15
Rated voltage		V	380	380
Fitting flange size		mm	220	220
Rated torque		N.m	70	96
Instantaneous max. torque		N.m	175	239
Rated speed		r/min	1500	1500
Max. speed		r/min	2000	2000
Rated current		Arms	26.5	36.2
Instantaneous max. current		Arms	69.7	90.1
Moment of inertia	No brake	x10 ⁻⁴ Kg.m ²	251.8	327.6
	With brake	x10 ⁻⁴ Kg.m ²	314	390.7
Torque constant		N.m/A	2.5	2.6
Induced voltage constant per phase		mV[r/min]	87.6	90.4
Rated power rate	No brake	KW/S	194.6	281.3
	With brake	KW/S	156.1	235.9
Mechanical time constant	No brake	ms	0.75	0.66
	With brake	ms	0.9	0.78
Electrical time constant		ms	22.4	22.5
Weight: No brake[with brake]		kg	65.6 [76.7]	79.4 [92.5]
Permissible load	Radial load	N	2254	2254
	Axial load	N	686	686
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%	
	Rated current	A	3.6	3.6
	Brake power	W	88(20°C)	88(20°C)
	Static friction torque	N.m	150 or more	150 or more
	Suction time	ms	300 or less	300 or less
	Release time	ms	150 or less	150 or less
	Release voltage	V	DC1V or more (20°C)	
Fan Specifications	Rated voltage	V	AC220~240	
	Max. current	A	0.320	0.320
	Max. power	W	43	43
	Speed	r/min	4300	4300

Torque characteristics

Instantaneous operation range

Continuous operation range



X6MM11KA ▲



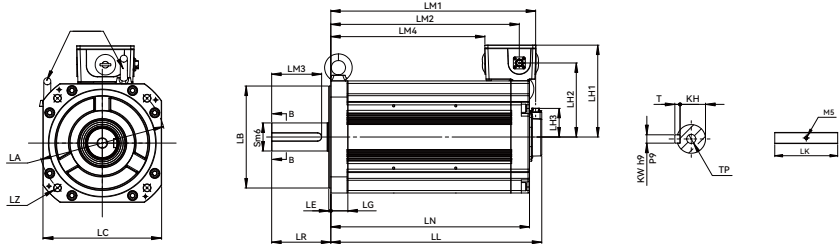
X6MM15KA ▲

External Dimensions for Servo Motor

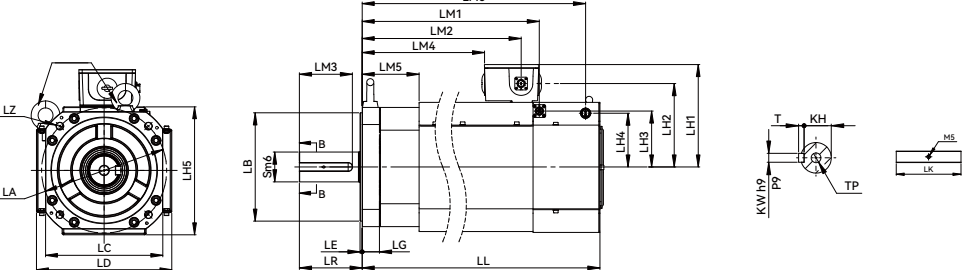
Unit(mm)

Models	X6MM11KA	X6MM15KA
LC	220	220
LA	235	235
LB	φ200 h7	φ200 h7
LZ	4-φ13.5	4-φ13.5
LR	116±1	116±1
S	φ55 m6	φ55 m6
LL (20bit) no brake [with brake]	351[424]	510[583]
LL (23bit) no brake [with brake]	371.5[444.5]	510[583]
LN no brake [with brake]	327[400]	-
LG	32	32
LE	4	4
LM1 (20bit) no brake [with brake]	339[412]	398[471]
LM1 (23bit) no brake [with brake]	360[433]	398[471]
LM2 with brake	380	437
LM3	98	98
LM4 no brake [with brake]	239[312]	297[370]
LM5	-	105
LM6 no brake [with brake]	-	483[556]
LH1	180	189
LH2 with brake	145	154
LH3(20bit)no brake [with brake]	56	103
LH3(23bit)no brake [with brake]	60	103
LH4	-	99
LH5	-	240
LD	-	254
LK	90	90
T	10	10
KW	16P9	16P9
KH	49	49
TP	M20 depth 40	M20 depth 40

X6MM11KA



X6MM15KA



Servo Motor Specifications

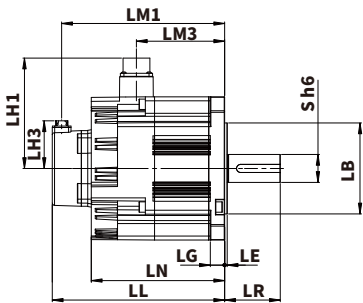
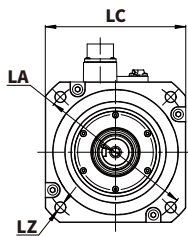
Items		Unit	X6MH200A
Rated power		W	2000
Rated voltage		V	380
Fitting flange size		mm	180
Rated torque		N.m	9.55
Instantaneous max. torque		N.m	28.6
Rated speed		r/min	2000
Max. speed		r/min	3000
Rated current		Arms	5.8
Instantaneous max. current		Arms	19
Moment of inertia	No brake	$\times 10^{-4}\text{Kg.m}^2$	31.4
	With brake	$\times 10^{-4}\text{Kg.m}^2$	44.6
Torque constant		N.m/A	1.83
Induced voltage constant per phase		mV[r/min]	63.9
Rated power rate	No brake	KW/S	29
	With brake	KW/S	20.4
Mechanical time constant	No brake	ms	1.86
	With brake	ms	2.64
Electrical time constant		ms	15.2
Weight: No brake[with brake]		kg	12.7 [17.4]
Permissible load	Radial load	N	784
	Axial load	N	343
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%
	Rated current	A	1.04
	Brake power	w	25
	Static friction torque	N.m	74 or more
	Suction time	ms	120 or less
	Release time	ms	30 or less
Release voltage		V	DC0.5V or more

External Dimensions for Servo Motor

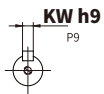
Unit(mm)

Models	X6MH200A
LC	180
LA	200
LB	$\phi 114.3\text{ h7}$
LZ	4- $\phi 13.5$
LR	70±0.5
S	$\phi 35\text{ h6}$
LL (20bit) no brake [with brake]	144±1[196±1]
LL (23bit) no brake [with brake]	157±1[216.5±1]
LN no brake [with brake]	113[167.5]
LG	18
LE	3.2
LM1 (20bit) no brake [with brake]	132[184]
LM1 (23bit) no brake [with brake]	145[205]
LM2 no brake [with brake]	92[110.8]
LM3	50
LH1 no brake [with brake]	144[138.6]
LH2	105.3
LH3 (20bit) no brake [with brake]	55[56.4]
LH3(23bit) no brake [with brake]	60[59.8]
LK	50
T	8
KW	10 h9
KH	30
TP	M12 depth 25

X6MH200A



Shaft-end dimension:



Flat-key length:



Torque characteristics

Instantaneous operation range Continuous operation range



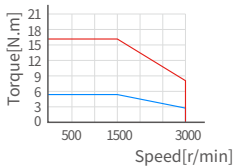
X6MH200A ▲

Servo Motor Specifications

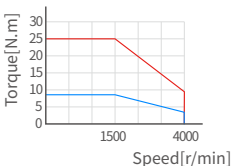
Items		Unit	X6MG085A	NEW X6MG130C	X6MG150C	NEW X6MG180C
Rated power		W	850	1300	1500	1800
Rated voltage		V	380	380	380	380
Fitting flange size		mm	130	130	130	130
Rated torque		N.m	5.41	8.28	14.3	11.46
Instantaneous max. torque		N.m	16.2	24.8	42	34.4
Rated speed		r/min	1500	1500	1000	1500
Max. speed		r/min	3000	4000	1500	4000
Rated current		Arms	4	4.5	5	5.6
Instantaneous max. current		Arms	14	13.5	15	18
Moment of inertia	No brake	$\times 10^{-4}\text{Kg.m}^2$	14	20.21	20.8	26.37
	With brake	$\times 10^{-4}\text{Kg.m}^2$	15.2	21.41	22	27.57
Torque constant		N.m/A	1.316	1.83	2.89	2.04
Induced voltage constant per phase		mV[r/min]	48.78	65.1	106	73.32
Rated power rate	No brake	KW/S	21.1	33.9	77.4	49.8
	With brake	KW/S	18.3	32	71.9	46.7
Mechanical time constant	No brake	ms	3.37	2.59	1.34	2.13
	With brake	ms	4.29	2.74	1.44	2.27
Electrical time constant		ms	11.7	6.64	15.3	10.65
Weight: No brake[with brake]		kg	5.68 [7.28]	7.25 [8.9]	10.45[12.05]	8.95 [10.6]
Permissible load	Radial load	N	490	490	490	490
	Axial load	N	196	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.9	0.9	0.9	0.9
	Brake power	w	21.6	21.5	21.5	21.5
	Static friction torque	N.m	14 or more	14 or more	20 or more	14 or more
	Suction time	ms	100 or less	100 or less	100 or less	100 or less
	Release time	ms	60 or less	60 or less	60 or less	60 or less
	Release voltage	V	DC1V or more	DC1V or more	DC1V or more	DC1V or more

Torque characteristics

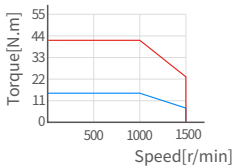
Instantaneous operation range Continuous operation range



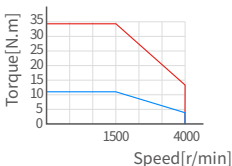
X6MG085A ▲



X6MG130C ▲



X6MG150C ▲



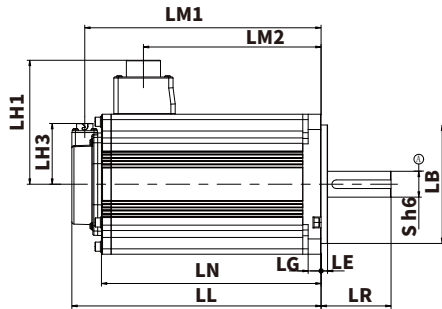
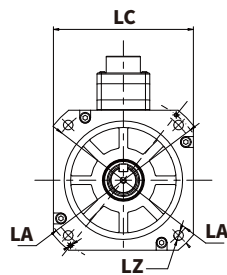
X6MG180C ▲

External Dimensions for Servo Motor

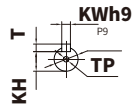
Unit(mm)

Models	X6MG085A	X6MG130C	X6MG150C	X6MG180C
LC	130	130	130	130
LA	φ145	145	φ145	φ145
LB	φ110	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9	4-φ9
LR	55	55	55	55
S	φ22 h6	φ22 h6	φ22h6	φ22 h6
LL (20bit) no brake [with brake]	135.5[155.5]	135.5[155.5]	182[202]	159.4 [179.4]
LL (23bit) no brake [with brake]	156[176]	156 [176]	202.5[222.5]	179.9 [199.9]
LN no brake [with brake]	108[128]	108[128]	155.5[174.5]	131.9[151.9]
LG	12	12	12	12
LE	6	6	6	6
LM1 (20bit) no brake [with brake]	123.5[143.5]	123.5[143.5]	170[190]	147.4[167.4]
LM1 (23bit) no brake [with brake]	144.2[164.2]	144.2[164.2]	190.5[210.7]	168.1[188.1]
LM2 no brake [with brake]	69	[111.9]	—	[135.8]
LM3	—	79.1	115.5	103
LH1 no brake [with brake]	115	103.8	115	103.8
LH2	—	81.4	—	81.4
LH3 (20bit) no brake [with brake]	56.5	56.4	56.5	56.4
LH3 (23bit) no brake [with brake]	60	59.9	60	59.9
LK	45	45	45	45
T	7	7	7	7
KW	8 h9	8 h9	8 h9	8 h9
KH	18	18	18	18
TP	M6 depth 20	M6 depth 20	M6 depth 20	M6 depth 20

X6MG085A/X6MG150C



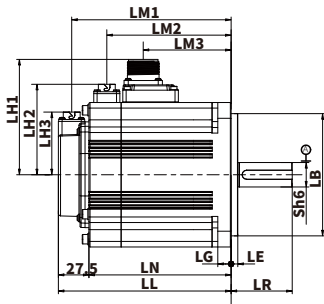
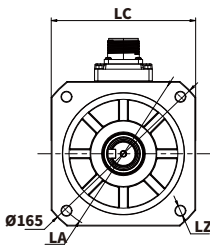
Shaft-end dimension:



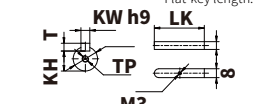
Flat-key length:



X6MG130C/X6MG180C



Shaft-end dimension:



Flat-key length:

Servo Motor Specifications

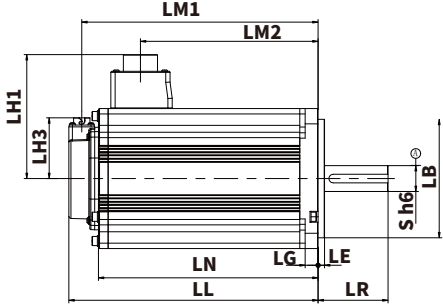
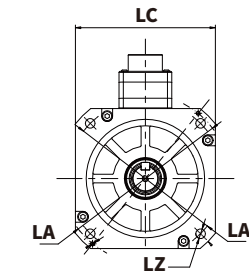
Items		Unit	X6MG240A	X6MG290A	X6MG440A	X6MG550A
Rated power		W	2400	2900	4400	5500
Rated voltage		V	380	380	380	380
Fitting flange size		mm	130	180	180	180
Rated torque		N.m	15.2	18.6	28.4	35
Instantaneous max. torque		N.m	45.8	46.5	71.1	87.5
Rated speed		r/min	1500	1500	1500	1500
Max. speed		r/min	3000	3000	3000	3000
Rated current		Arms	10	10	15.7	19.5
Instantaneous max. current		Arms	30	26	41	51
Moment of inertia	No brake	$\times 10^{-4} \text{Kg.m}^2$	31.3	47.2	68.6	91.4
	With brake	$\times 10^{-4} \text{Kg.m}^2$	32.5	62.3	83.7	106.5
Torque constant		N.m/A	1.52	2.01	2.13	1.98
Induced voltage constant per phase		mV[r/min]	59.9	70.2	74.2	69.6
Rated power rate	No brake	KW/S	123	73.3	117.6	134.2
	With brake	KW/S	116	55.5	96.4	115.1
Mechanical time constant	No brake	ms	0.669	1.37	1.18	1.07
	With brake	ms	0.712	1.81	1.44	1.25
Electrical time constant		ms	20	19.2	19.9	22.9
Weight: No brake[with brake]		kg	14.1[15.7]	16[20.7]	19.4 [24.1]	23.9[28.5]
Permissible load	Radial load	N	490	1470	1470	1764
	Axial load	N	196	490	490	588
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%			
	Rated current	A	0.9	1.04	1.04	1.04
	Brake power	w	22	25	25	25
	Static friction torque	N.m	15.2 or more	74 or more	74 or more	74 or more
	Suction time	ms	100 or less	120 or less	120 or less	120 or less
	Release time	ms	60 or less	30 or less	30 or less	30 or less
Release voltage		V	DC0.5 or more			

External Dimensions for Servo Motor

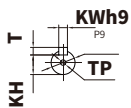
Unit(mm)

Models	X6MG240A	X6MG290A	X6MG440A	X6MG550A
LC	130	180	180	180
LA	φ145	200	200	200
LB	φ110	φ114.3 h7	φ114.3 h7	φ114.3 h7
LZ	4-φ9	4-φ13.5	4-φ13.5	4-φ13.5
LR	65	79±0.5	79±0.5	113±0.5
S	φ24 h6	φ35 ^{+0.01} ₀	φ35 ^{+0.01} ₀	φ42 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	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
T	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



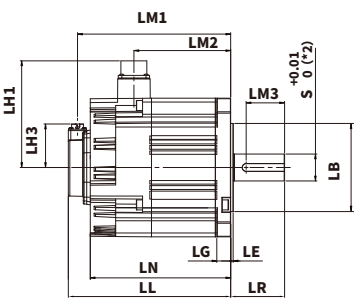
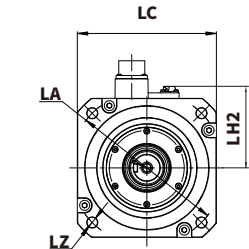
Shaft-end dimension:



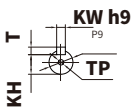
Flat-key length:



X6MG290A / X6MG440A/ X6MG550A



Shaft-end dimension:



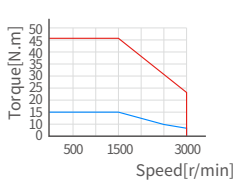
Flat-key length:



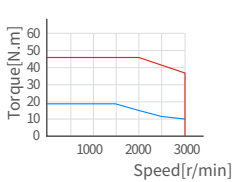
*1: Under development
*2: X6MG550A shaft diameter tolerance is h6

Torque characteristics

Instantaneous operation range Continuous operation range



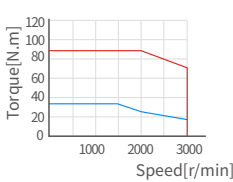
X6MG240A ▲



X6MG290A ▲



X6MG440A ▲



X6MG550A ▲

Servo Motor Specifications

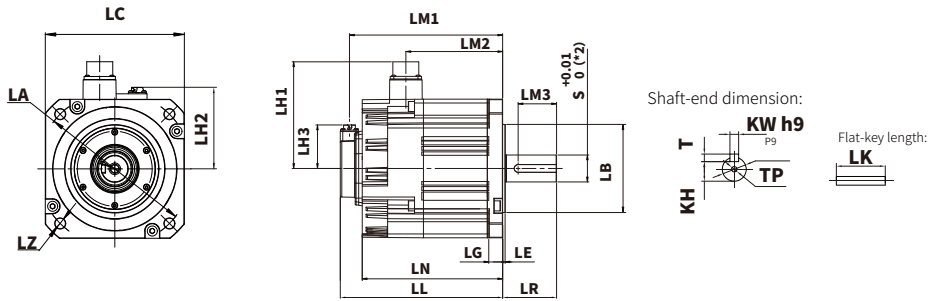
Items		Unit	X6MG085S	X6MG130S	X6MG180S
Rated power		W	850	1300	1800
Rated voltage		V	380	380	380
Fitting flange size		mm	130	130	130
Rated torque		N.m	5.4	8.28	11.46
Instantaneous max. torque		N.m	18.9	29	40
Rated speed		r/min	1500	1500	1500
Max. speed		r/min	4000	4000	4000
Rated current		Arms	4.5	6.3	9
Instantaneous max. current		Arms	17	23.5	34
Moment of inertia	No brake	$\times 10^{-4}$ Kg.m ²	13.76	20.21	26.37
	With brake	$\times 10^{-4}$ Kg.m ²	14.96	21.41	27.57
Torque constant		N.m/A	1.3	1.39	1.38
Induced voltage constant per phase		mV[r/min]	46.5	48.88	46.38
Rated power rate	No brake	KW/S	24	37.6	53.8
	With brake	KW/S	18.3	31.1	46.7
Mechanical time constant	No brake	ms	2.72	2.2	2
	With brake	ms	3.57	2.66	2.41
Electrical time constant		ms	3.52	4.46	4.64
Weight: No brake[with brake]		kg	5.8 [7.4]	7.25 [8.9]	8.95 [10.6]
Permissible load	Radial load	N	490	490	490
	Axial load	N	196	196	196
Brake specifications Note: Holding brake	Rated voltage	V	DC24V±10%		
	Rated current	A	0.9	0.9	0.9
	Brake power	w	19.59	19.59	19.59
	Static friction torque	N.m	14 or more	14 or more	14 or more
	Suction time	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	DC1V or more	DC1V or more

External Dimensions for Servo Motor

Unit(mm)

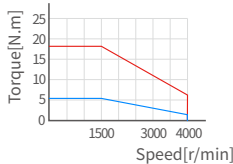
Models	X6MG085S	X6MG130S	X6MG180S
LC	130	130	130
LA	φ145	φ145	φ145
LB	φ110	φ110	φ110
LZ	4-φ9	4-φ9	4-φ9
LR	55	55	55
S	φ22 h6	φ22 h6	φ22 h6
LL (20bit) no brake [with brake]	121.5 [141.5]	135.5 [155.5]	159.4 [179.4]
LL (23bit) no brake [with brake]	142 [162]	156 [176]	179.9 [199.9]
LN no brake [with brake]	94[114]	108[128]	131.9[151.9]
LG	12	12	12
LE	6	6	6
LM1 (20bit) no brake [with brake]	109.5[129.5]	123.5[143.5]	147.4[167.4]
LM1 (23bit) no brake [with brake]	130.2[150.2]	144.2[164.2]	168.1[188.1]
LM2	[97.9]	[111.9]	[135.8]
LM3	65.1	79.1	103
LH1	103.8	103.8	103.8
LH2	81.4	81.4	81.4
LH3 (20bit) no brake [with brake]	56.4	56.4	56.4
LH3 (23bit) no brake [with brake]	59.9	59.9	59.9
LK	45	45	45
T	7	7	7
KW	8 h9	8 h9	8 h9
KH	18	18	18
TP	M6 depth 20	M6 depth 20	M6 depth 20

X6MG085S/X6MG130S/X6MG180S

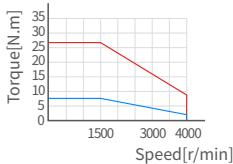


Torque characteristics

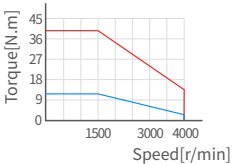
Instantaneous operation range Continuous operation range



X6MG085S ▲

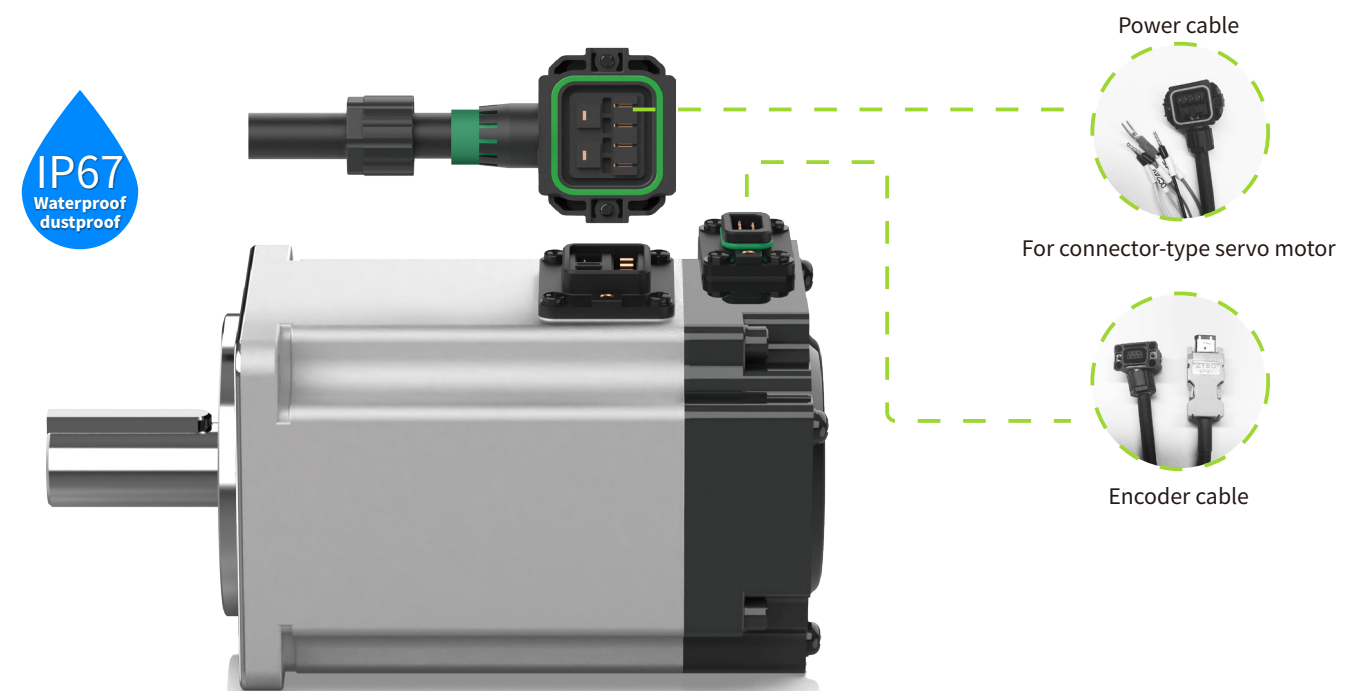


X6MG130S ▲



X6MG180S ▲

Model Selection



■ 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 is 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.

SVCAB-ENC 075 C A – ABS-010L-05

1 2 3 4 5 6 7

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

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

3 Connector-type	
C	Flange 40 to 80

4 Outlet direction	
A	Forward-The leading direction at the front end
B	Reverse-The leading direction at the back end



5 Encoder cable	
ABS	Absolute
N/A	

6 Length specifications (unit 0.1m)	
010L	1M
030L	3M
050L	5M
080L	8M
100L	10M

7 Cable flexibility	
01	Fixed: No drag chain, no torsion, no oil resistance, for fixed use
05 (regular)	5 million times: 5 million drag chains, low oil-resistance (60°C/4H)
10	10 million times: 10 million drag chains, high oil-resistance (60°C/168H)
20	20 million times: 20 million drag chains, high oil-resistance (60°C/168H)
A0	Swing: 10 million twists, high oil-resistance (60°C/168H)

Note: *1: The regular length specifications in our stock is 1M/3M/5M/8M/10M. For other length specifications (Mini. customized unit 0.5 meters), please consult our sales department in advance.

Accessories Specifications for Connector-type Servo Motor

Cables	Model name	Diagram
Absolute encoder cable	SVCAB-ENC075CA-ABS-***L-05	1
50W~150W UVW power cable	SVCAB-PWR010CA-***L-05	3
50W~150W UVW power cable with brake	SVCAB-PWB010CA-***L-05	4
200W~1000W UVW power cable	SVCAB-PWR075CA-***L-05	5
200W~1000W UVW power cable with brake	SVCAB-PWB075CA-***L-05	6

Cables for Lead-wire Type Servo Motor(customized)

Cables	Model name	Diagram
Absolute encoder cable with battery box, for servo motor with thread	CAB-ENC100A-ABS-LW-*M	7
4-core power cable, for aviation-connector type servo motor of flange 100-130	CAB-PWR100A-*M	8
9-core power brake cable, for aviation-connector type servo motor of flange 130	CAB-PWB100A-*M	9
2-core independent brake cable, for aviation-connector servo motor of flange 100	CAB-PWD100A-*M	10
4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW	CAB-PWR400C-*M	17
4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW	CAB-PWR750C-*M	18
Absolute encoder cable, for lead-wire servo motor of flange 40 to 80	SVCAB-ENC75A-*M	24
4-core power cable, for lead-wire servo motor flange 40 to 80	CAB-PWR75A-*M	25
6-core power brake cable, for lead-wire servo motor of flange 40 to 80	CAB-PWB75A-*M	26

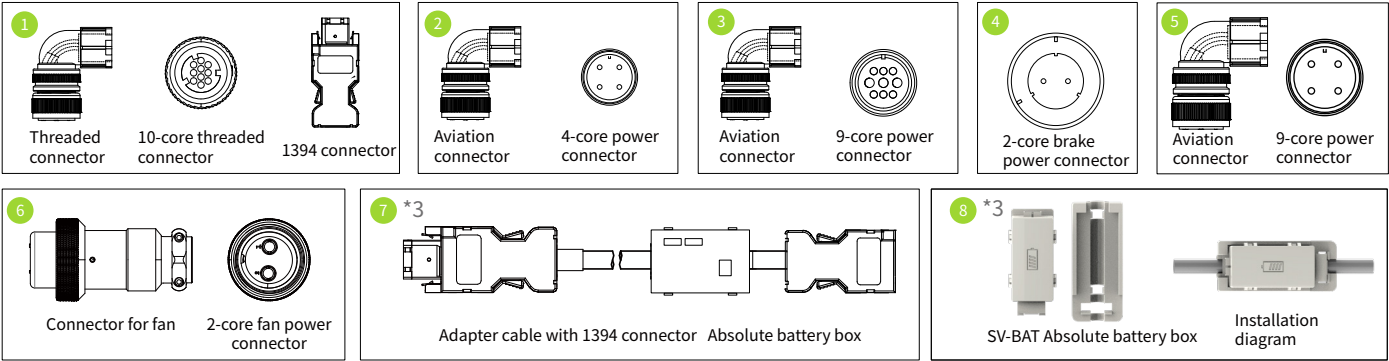
Cables for waterproof servo motor (customized)

Waterproof cable	Specifications
SVCAB-ENC75A-3M-F	6-core waterproof absolute encoder cable, for servo motor of flange 40 ~ 130, 3 meters
CAB-PWR75A-3M-F	4-core waterproof power cable, for lead-wire servo motor of flange 40 ~ 80, 3 meters
CAB-PWB75A-3M-F	6-core waterproof power brake, for lead-wire servo motor of flange 40 ~ 80, 3 meters
CAB-PWB100A-3M-F	6-core waterproof power brake cable, for aviation connector servo motor of flange 130, 3 meters

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-core brake power aviation connector, for flange 100&130	PWR-CON 1KW-9P	3
2-core brake power connector ²	PWB-CON- 1KW	4
4-core power aviation connector, for flange 180	PWR-CON 7.5KW	5
2-core fan power connector	PWR-CON-F	6
Absolute battery box with 1394 connector	SVBOX-ENCABS	7

Note 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 8 according to your needs.



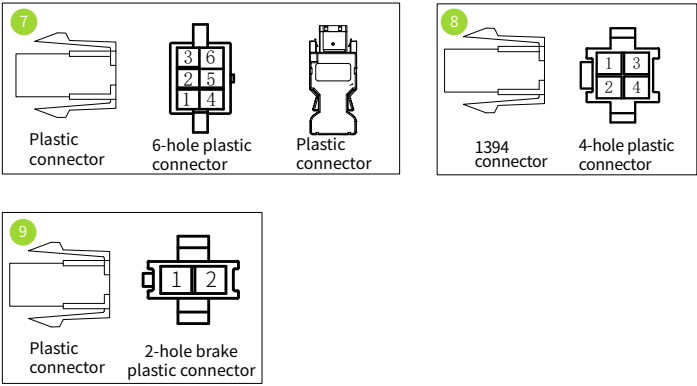
Other Accessories Specifications

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	EtherCAT bus models For CN6A, CN6B Length: 0.35m
External brake resistance	SV-BRAKE-1KW	1kw 50Ω 350mm Aluminum shell	Selected when the power of the built-in resistor is insufficient, 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 is insufficient, 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
2-hole power brake connector accessories	PWB-CON 750W	9



Series	Power	Model name	20bit Absolute	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet/ [N] CANopen			Power specifications	
															General-purpose:Y7N[]---	Standard:Y7E[]---/X5E[]---	Full-functional:Y7F[]---/X5F[]---		
X2-MA low inertia	50W	SV-X2MA005A-N2CA	●		●	40	φ8	Connector -type		① ③ ③1		X2-MA low inertia	50W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X2MA005A-B2CA		●										① ④ ③1	X5		SV-X5E[] 010A-A	SV-X5F[] 010A-A	Single-phase AC220V
	100W	SV-X2MA010A-N2CA	●		●	40	φ8	Connector -type		① ③ ③1			100W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X2MA010A-B2CA		●										① ④ ③1	X5		SV-X5E[] 010A-A	SV-X5F[] 010A-A	Single-phase AC220V
	150W	SV-X2MA015A-N2CA	●		●	40	φ8	Connector -type		① ③ ③1			150W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X2MA015A-B2CA		●										① ④ ③1	X5		SV-X5E[] 020A-A	SV-X5F[] 020A-A	Single-phase AC220V
	200W	SV-X2MA020A-N2CA	●		●	60	φ14	Connector -type		① ⑤ ③1			200W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X2MA020A-B2CA		●										① ⑥ ③1	X5		SV-X5E[] 020A-A	SV-X5F[] 020A-A	Single-phase AC220V
	400W	SV-X2MA040A-N2CA	●		●	60	φ14	Connector -type		① ⑤ ③1			400W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X2MA040A-B2CA		●										① ⑥ ③1	X5		SV-X5E[] 040A-A	SV-X5F[] 040A-A	Single-phase AC220V
	600W	SV-X2MA060E-N2LA	●		●	110	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			600W	Y7S	HN-Y7N[] 075A-S	HN-Y7E[] 075A-S	HN-Y7F[] 075A-S	Single/three-phaseAC220V	
		SV-X2MA060E-B2LA		●										⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩	X5		SV-X5E[] 075A-A	SV-X5F[] 075A-A
	750W	SV-X2MA075A-N2CA	●		●	80	φ19	Connector -type		① ⑤ ③1			750W	Y7S	HN-Y7N[] 075A-S	HN-Y7E[] 075A-S	HN-Y7F[] 075A-S	Single/three-phaseAC220V	
		SV-X2MA075A-B2CA		●										① ⑥ ③1	X5		SV-X5E[] 075A-A	SV-X5F[] 075A-A	Single-phase AC220V
	900W	SV-X2MA090E-N2LA	●		●	110	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			900W	Y7S	HN-Y7N[] 100A-S	HN-Y7E[] 100A-S	HN-Y7F[] 100A-S	Three-phase AC220V	
		SV-X2MA090E-B2LA		●										⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩	X5		SV-X5E[] 100A-A	SV-X5F[] 100A-A
	1kW	SV-X2MA100A-N2LA	●		●	100	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			1kW	Y7S	HN-Y7N[] 100A-S	HN-Y7E[] 100A-S	HN-Y7F[] 100A-S	Three-phase AC220V	
		SV-X2MA100A-B2LA		●										⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩	X5		SV-X5E[] 150A-A	SV-X5F[] 150A-A
	1.2kW	SV-X2MA120E-N2LA	●		●	110	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			1.2kW	Y7S	HN-Y7N[] 150A-S	HN-Y7E[] 150A-S	HN-Y7F[] 150A-S	Three-phase AC220V	
		SV-X2MA120E-B2LA		●										⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩	X5		SV-X5E[] 150A-A	SV-X5F[] 150A-A
	1.5kW		SV-X2MA150E-N2LA	●		●	110	φ19	Aviation connector	⑪ ⑫ ③1			⑦ ⑧	1.5kW	Y7S	HN-Y7N[] 150A-S	HN-Y7E[] 150A-S	HN-Y7F[] 150A-S	Three-phase AC220V
			SV-X2MA150E-B2LA		●											⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩	X5	
			SV-X2MA150A-N2LA	●		●	100	φ19	Aviation connector	⑪ ⑫ ③1			⑦ ⑧		Y7S	HN-Y7N[] 150A-S	HN-Y7E[] 150A-S	HN-Y7F[] 150A-S	Three-phase AC220V
			SV-X2MA150A-B2LA		●											⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩	X5	

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

- ① SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- ②
- ③ SVCAB-PWR010CA-***L-05 UWW power cable(no brake) 50W~150W
- ④ SVCAB-PWB010CA-***L-05 UWW power cable(with brake) 50W~150W
- ⑤ SVCAB-PWR075CA-***L-05 UWW power cable(no brake) 200W~1KW
- ⑥ SVCAB-PWB075CA-***L-05 UWW power cable(with brake) 200W~1KW

Cables for servo motor of flange 100-180

- ⑦ CAB-ENC100A-ABS-LW-*M Absolute encoder cable with battery box, for servo motor with thread
- ⑧ CAB-PWR100A-*M 4-core power cable, for aviation-connector type servo motor of flange 100-130
- ⑨ CAB-PWB100A-*M 9-core power brake cable, for aviation-connector type servo motor of flange 130
- ⑩ CAB-PWD100A-*M 2-core independent brake cable, for aviatio-connector servo motor of flange 100
- ⑰ CAB-PWR400C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
- ⑱ CAB-PWR750C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

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

- ⑪ ENC-TE-LW 1KW Encoder accessories (10-pin aviationconnector + 1394 connector)
- ⑫ PWR-CON 1KW 4-pin 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-pin brake power connector
- ⑮ PWR-CON 7.5KW 4-pin power aviation connector, for flange 180
- ⑯ PWR-CON-F 2-pin fan power connector

Other accessories specifications

- ⑰ ENC-TE 750W 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- ⑳ PWR-CON 750W 4-hole power plastic connector
- ㉑ PWB-CON 750W 2-hole power brake plastic connector
- ㉒ SVCAB-ENC75A-*M Absolute encoder cable, for lead-wire servo motor of flange 40-80
- ㉓ CAB-PWR75A-*M 4-core power cable, for lead-wire servo motor of flange 40-80
- ㉔ CAB-PWB75A-*M 6-core power brake cable, for lead-wire servo motor of flange 40-80
- ㉕ SVBOX-ENCABS Adapter cable with 1394 connector
- ㉖ SV-BAT Absolute battery box



Series	Power	Model name	20bit Absolute	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
															General-purpose: Y7N [] ---	Standard: Y7E [] --- / X5E [] ---	Full-functional: Y7F [] --- / X5F [] ---	
X2-MA low inertia	1.8kW	SV-X2MA180E-N2LA	●	●	●	110	φ19	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		X2-MA low inertia	1.8kW	Y7S	HN-Y7N [] 200A-S			Three-phase AC220V
		SV-X2MA180E-B2LA							⑪ ⑫ ⑭ ③①	⑦ ⑧ ⑩				X5				Single/three-phase AC220V
	2kW	SV-X2MA200A-N2LA	●	●	●	100	φ19	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			2kW	Y7S	HN-Y7N [] 200A-S			Three-phase AC220V
		SV-X2MA200A-B2LA							⑪ ⑫ ⑭ ③①	⑦ ⑧ ⑩				X5				Single/three-phase AC220V
X2-MM Middle inertia	1kW	SV-X2MM100A-N2LA	●	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		X2-MM Middle inertia	1kW	Y7S	HN-Y7N [] 100A-S			Three-phase AC220V
		SV-X2MM100A-B2LA							⑪ ⑬ ③①	⑦ ⑨				X5				Single-phase AC220V
	1.5kW	SV-X2MM150A-N2LA	●	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			1.5kW	Y7S	HN-Y7N [] 150A-S			Three-phase AC220V
		SV-X2MM150A-B2LA							⑪ ⑬ ③①	⑦ ⑨				X5				Single/three-phase AC220V
	2kW	SV-X2MM200A-N2LA	●	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			2kW	Y7S	HN-Y7N [] 200A-S			Three-phase AC220V
		SV-X2MM200A-B2LA							⑪ ⑬ ③①	⑦ ⑨				X5				Single/three-phase AC220V
X2-MMS Middle inertia & high speed	1kW	SV-X2MM100S-N2LA	●	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		X2-MMS Middle inertia & high speed	1kW	Y7S	HN-Y7N [] 150A-S			Three-phase AC220V
		SV-X2MM100S-B2LA							⑪ ⑬ ③①	⑦ ⑨				X5				Single/three-phase AC220V
	1.5kW	SV-X2MM150S-N2LA	●	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			1.5W	Y7S	HN-Y7N [] 150A-S			Three-phase AC220V
		SV-X2MM150S-B2LA							⑪ ⑬ ③①	⑦ ⑨				X5				Single/three-phase AC220V
	2kW	SV-X2MM200S-N2LA	●	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			2KW	Y7S	HN-Y7N [] 200A-S			Three-phase AC220V
		SV-X2MM200S-B2LA							⑪ ⑬ ③①	⑦ ⑨				X5				Single/three-phase AC220V

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

①	SVCAB-ENC075CA-ABS-***L-05	Absolute encoder cable	⑦	CAB-ENC100A-ABS-LW-*M	Absolute encoder cable with battery box, for servo motor with thread
②			⑧	CAB-PWR100A-*M	4-core power cable, for aviation-connector type servo motor of flange 100-130
③	SVCAB-PWR010CA-***L-05	UWV power cable(no brake) 50W~150W	⑨	CAB-PWB100A-*M	9-core power brake cable, for aviation-connector type servo motor of flange 130
④	SVCAB-PWB010CA-***L-05	UWV power cable(with brake) 50W~150W	⑩	CAB-PWD100A-*M	2-core independent brake cable, for aviatio-connector servo motor of flange 100
⑤	SVCAB-PWR075CA-***L-05	UWV power cable(no brake) 200W~1KW	⑰	CAB-PWR400C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
⑥	SVCAB-PWB075CA-***L-05	UWV power cable(with brake) 200W~1KW	⑱	CAB-PWR750C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

Cables for servo motor of flange 100-180

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

⑪	ENC-TE-LW 1KW	Encoder accessories (10-pin aviationconnector + 1394 connector)
⑫	PWR-CON 1KW	4-pin 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-pin brake power connector
⑮	PWR-CON 7.5KW	4-pin power aviation connector, for flange 180
⑯	PWR-CON-F	2-pin fan power connector

Other accessories specifications

⑳	ENC-TE 750W	2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
㉑	PWR-CON 750W	4-hole power plastic connector
㉒	PWB-CON 750W	2-hole power brake plastic connector
㉓	SVCAB-ENC75A-*M	Absolute encoder cable, for lead-wire servo motor of flange 40-80
㉔	CAB-PWR75A-*M	4-core power cable, for lead-wire servo motor of flange 40-80
㉕	CAB-PWB75A-*M	6-core power brake cable, for lead-wire servo motor of flange 40-80
㉖	SVBOX-ENCABS	Adapter cable with 1394 connector
㉗	SV-BAT	Absolute battery box



Series	Power	Model name	20bit Absolute	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
															General-purpose: Y7N [] ---	Standard: Y7E [] --- / X5E [] ---	Full-functional: Y7F [] --- / X5F [] ---	
X2-MH High inertia	50W	SV-X2MH005A-N2CA	●		●	40	φ8	Connector -type		① ③ ③1		X2-MH High inertia	50W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MH005A-B2CA		●						① ④ ③1				X5		SV-X5E [] 010A-A	SV-X5F [] 010A-A	Single-phase AC220V
	100W	SV-X2MH010A-N2CA	●		●	40	φ8	Connector -type		① ③ ③1			100W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MH010A-B2CA		●						① ④ ③1				X5		SV-X5E [] 010A-A	SV-X5F [] 010A-A	Single-phase AC220V
	150W	SV-X2MH015A-N2CA	●		●	40	φ8	Connector -type		① ③ ③1			150W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MH015A-B2CA		●						① ④ ③1				X5		SV-X5E [] 020A-A	SV-X5F [] 020A-A	Single-phase AC220V
	200W	SV-X2MH020A-N2CA	●		●	60	φ14	Connector -type		① ⑤ ③1			200W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MH020A-B2CA		●						① ⑥ ③1				X5		SV-X5E [] 020A-A	SV-X5F [] 020A-A	Single-phase AC220V
	400W	SV-X2MH040A-N2CA	●		●	60	φ14	Connector -type		① ⑤ ③1			400W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MH040A-B2CA		●						① ⑥ ③1				X5		SV-X5E [] 040A-A	SV-X5F [] 040A-A	Single-phase AC220V
	600W	SV-X2MH060A-N2LA	●		●	60	φ14	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7			600W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X2MH060A-B2LA		●					②1 ②2 ②3 ③1	②4 ②6 ②7				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
	750W	SV-X2MH075A-N2CA	●		●	80	φ19	Connector -type		① ⑤ ③1			750W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X2MH075A-B2CA		●						① ⑥ ③1				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
	1kW	SV-X2MH100A-N2LA	●		●	130	φ22	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			1kW	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X2MH100A-B2LA		●					⑪ ⑬ ③1	⑦ ⑨				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V
	1.5kW	SV-X2MH150A-N2LA	●		●	130	φ22	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			1.5KW	Y7S	HN-Y7N [] 150A-S	HN-Y7E [] 150A-S	HN-Y7F [] 150A-S	Three-phase AC220V
		SV-X2MH150A-B2LA		●					⑪ ⑬ ③1	⑦ ⑨				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V

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

①	SVCAB-ENC075CA-ABS-***L-05	Absolute encoder cable	⑦	CAB-ENC100A-ABS-LW-*M	Absolute encoder cable with battery box, for servo motor with thread
②			⑧	CAB-PWR100A-*M	4-core power cable, for aviation-connector type servo motor of flange 100-130
③	SVCAB-PWR010CA-***L-05	UWV power cable(no brake) 50W~150W	⑨	CAB-PWB100A-*M	9-core power brake cable, for aviation-connector type servo motor of flange 130
④	SVCAB-PWB010CA-***L-05	UWV power cable(with brake) 50W~150W	⑩	CAB-PWD100A-*M	2-core independent brake cable, for aviatio-connector servo motor of flange 100
⑤	SVCAB-PWR075CA-***L-05	UWV power cable(no brake) 200W~1KW	⑰	CAB-PWR400C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
⑥	SVCAB-PWB075CA-***L-05	UWV power cable(with brake) 200W~1KW	⑱	CAB-PWR750C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

Cables for servo motor of flange 100-180

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

⑪	ENC-TE-LW 1KW	Encoder accessories (10-pin aviationconnector + 1394 connector)
⑫	PWR-CON 1KW	4-pin 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-pin brake power connector
⑮	PWR-CON 7.5KW	4-pin power aviation connector, for flange 180
⑯	PWR-CON-F	2-pin fan power connector

Other accessories specifications

⑳	ENC-TE 750W	2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
㉑	PWR-CON 750W	4-hole power plastic connector
㉒	PWB-CON 750W	2-hole power brake plastic connector
㉓	SVCAB-ENC75A-*M	Absolute encoder cable, for lead-wire servo motor of flange 40-80
㉔	CAB-PWR75A-*M	4-core power cable, for lead-wire servo motor of flange 40-80
㉕	CAB-PWB75A-*M	6-core power brake cable, for lead-wire servo motor of flange 40-80
㉖	SVBOX-ENCABS	Adapter cable with 1394 connector
㉗	SV-BAT	Absolute battery box



Series	Power	Model name	20bit Absolute	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
															General-purpose: Y7N [] ---	Standard: Y7E [] --- / X5E [] ---	Full-functional: Y7F [] --- / X5F [] ---	
X2-MHH Ultra -high inertia	100W	SV-X2MH010H-N2CA	●		●	40	φ8	Connector -type		① ③ ③1		X2-MHH Ultra -high inertia	100W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MH010H-B2CA		●				-type		① ④ ③1				X5		SV-X5E [] 010A-A	SV-X5F [] 010A-A	Single-phase AC220V
	200W	SV-X2MH020H-N2LA	●		●	60	φ14	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7			200W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MH020H-B2LA		●				-type	②1 ②2 ②3 ③1	②4 ②6 ②7				X5		SV-X5E [] 020A-A	SV-X5F [] 020A-A	Single-phase AC220V
	400W	SV-X2MH040H-N2CA	●		●	60	φ14	Connector -type		① ⑤ ③1			400W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MH040H-B2CA		●				-type		① ⑥ ③1				X5		SV-X5E [] 040A-A	SV-X5F [] 040A-A	Single-phase AC220V
	750W	SV-X2MH075H-N2LA	●		●	80	φ19	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7			750W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X2MH075H-B2LA		●				-type	②1 ②2 ②3 ③1	②4 ②6 ②7				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
X2-MQ Special flange/ Flat -type/ small flange	100W	SV-X2MQ010A-N2KA	●			60	φ8	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7		X2-MQ Special flange/ Flat -type/ small flange	100W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MQ010A-B2KA		●				-type	②1 ②2 ②3 ③1	②4 ②6 ②7				X5		SV-X5E [] 010A-A	SV-X5F [] 010A-A	Single-phase AC220V
		SV-X2MQ010A-N2LA	●		●	60	φ8	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7			200W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MQ010A-B2LA		●				-type	②1 ②2 ②3 ③1	②4 ②6 ②7				X5		SV-X5E [] 020A-A	SV-X5F [] 020A-A	Single-phase AC220V
	200W	SV-X2MQ020A-N2LA	●		●	80	φ11	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7			200W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MQ020A-B2LA		●				-type	②1 ②2 ②3 ③1	②4 ②6 ②7				X5		SV-X5E [] 020A-A	SV-X5F [] 020A-A	Single-phase AC220V
	400W	SV-X2MQ040A-N2LA	●		●	80	φ14	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7			400W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MQ040A-B2LA		●				-type	②1 ②2 ②3 ③1	②4 ②6 ②7				X5		SV-X5E [] 040A-A	SV-X5F [] 040A-A	Single-phase AC220V
	1kW	SV-X2MQ100E-N2CA	●		●	80	φ19	Connector -type		① ⑤ ③1			1kW	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X2MQ100E-B2CA		●				-type		① ⑥ ③1				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V

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

①	SVCAB-ENC075CA-ABS-***L-05	Absolute encoder cable	⑦	CAB-ENC100A-ABS-LW-*M	Absolute encoder cable with battery box, for servo motor with thread
②			⑧	CAB-PWR100A-*M	4-core power cable, for aviation-connector type servo motor of flange 100-130
③	SVCAB-PWR010CA-***L-05	UWV power cable(no brake) 50W~150W	⑨	CAB-PWB100A-*M	9-core power brake cable, for aviation-connector type servo motor of flange 130
④	SVCAB-PWB010CA-***L-05	UWV power cable(with brake) 50W~150W	⑩	CAB-PWD100A-*M	2-core independent brake cable, for aviation-connector servo motor of flange 100
⑤	SVCAB-PWR075CA-***L-05	UWV power cable(no brake) 200W~1KW	⑪	CAB-PWR400C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
⑥	SVCAB-PWB075CA-***L-05	UWV power cable(with brake) 200W~1KW	⑫	CAB-PWR750C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

Cables for servo motor of flange 100-180

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

⑪	ENC-TE-LW 1KW	Encoder accessories (10-pin aviation connector + 1394 connector)
⑫	PWR-CON 1KW	4-pin 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-pin brake power connector
⑮	PWR-CON 7.5KW	4-pin power aviation connector, for flange 180
⑯	PWR-CON-F	2-pin fan power connector

Other accessories specifications

⑰	ENC-TE 750W	2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
⑱	PWR-CON 750W	4-hole power plastic connector
⑲	PWB-CON 750W	2-hole power brake plastic connector
⑳	SVCAB-ENC75A-*M	Absolute encoder cable, for lead-wire servo motor of flange 40-80
㉑	CAB-PWR75A-*M	4-core power cable, for lead-wire servo motor of flange 40-80
㉒	CAB-PWB75A-*M	6-core power brake cable, for lead-wire servo motor of flange 40-80
㉓	SVBOX-ENCABS	Adapter cable with 1394 connector
㉔	SV-BAT	Absolute battery box



Series	Power	Model name	20bit Absolute	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
															General-purpose: Y7N [] ---	Standard: Y7E [] --- / X5E [] ---	Full-functional: Y7F [] --- / X5F [] ---	
X2-MG Low -speed & high -torque	750W	SV-X2MG075A-N2LA	●		●	80	φ19	Lead-wire type	②① ②② ③①	②④ ②⑤ ②⑦		X2-MG Low -speed & high -torque	750W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X2MG075A-B2LA		●					②① ②② ②③ ③①	②④ ②⑥ ②⑦				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
	1kW	SV-X2MG100A-N2LA	●		●	130	φ22	Aviation connector	①① ①② ③①	⑦ ⑧			1kW	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X2MG100A-B2LA		●					①① ①③ ③①	⑦ ⑨				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V
	850W	SV-X2MG085A-N2LA	●		●	130	φ22	Aviation connector	①① ①② ③①	⑦ ⑧			850W	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X2MG085A-B2LA		●					①① ①③ ③①	⑦ ⑨				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V
	1.3kW	SV-X2MG130A-N2LA	●		●	130	φ22	Aviation connector	①① ①② ③①	⑦ ⑧			1.3kW	Y7S	HN-Y7N [] 150A-S	HN-Y7E [] 150A-S	HN-Y7F [] 150A-S	Three-phase AC220V
		SV-X2MG130A-B2LA		●					①① ①③ ③①	⑦ ⑨				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
	1.8kW	SV-X2MG180A-N2LA	●		●	130	φ22	Aviation connector	①① ①② ③①	⑦ ⑧			1.8kW	Y7S	HN-Y7N [] 200A-S	HN-Y7E [] 200A-S	HN-Y7F [] 200A-S	Three-phase AC220V
		SV-X2MG180A-B2LA		●					①① ①③ ③①	⑦ ⑨				X5		SV-X5E [] 200A-A	SV-X5F [] 200A-A	Single/three-phase AC220V
	2.3kW	SV-X2MG230A-N2LA	●		●	130	φ22	Aviation connector	①① ①② ③①	⑦ ⑧			2.3kW	Y7S	HN-Y7N [] 200A-S	HN-Y7E [] 200A-S	HN-Y7F [] 200A-S	Three-phase AC220V
		SV-X2MG230A-B2LA		●					①① ①② ①④ ③①	⑦ ⑧ ⑩				X5		SV-X5E [] 200A-A	SV-X5F [] 200A-A	Single/three-phase AC220V
X2-MGS Low -cogging cutting	400W	SV-X2MG040S-N2CA	●		●	60	φ14	Connector -type		① ⑤ ③①		X2-MGS Low -cogging cutting	400W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X2MG040S-B2CA		●						① ⑥ ③①				X5		SV-X5E [] 040A-A	SV-X5F [] 040A-A	Single-phase AC220V
	750W	SV-X2MG075S-N2CA	●		●	80	φ19	Connector -type		① ⑤ ③①			750W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X2MG075S-B2CA		●						① ⑥ ③①				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
	850W	SV-X2MG085S-N2LA	●		●	130	φ19	Aviation connector	①① ①② ③①	⑦ ⑧			850W	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X2MG085S-B2LA		●					①① ①② ①④ ③①	⑦ ⑧ ⑩				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V
	1.3kW	SV-X2MG130S-N2LA	●		●	130	φ22	Aviation connector	①① ①② ③①	⑦ ⑧			1.3kW	Y7S	HN-Y7N [] 150A-S	HN-Y7E [] 150A-S	HN-Y7F [] 150A-S	Three-phase AC220V
		SV-X2MG130S-B2LA		●					①① ①② ①④ ③①	⑦ ⑧ ⑩				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
	1.8kW	SV-X2MG180S-N2LA	●		●	130	φ24	Aviation connector	①① ①② ③①	⑦ ⑧			1.8kW	Y7S	HN-Y7N [] 200A-S	HN-Y7E [] 200A-S	HN-Y7F [] 200A-S	Three-phase AC220V
		SV-X2MG180S-B2LA		●					①① ①② ①④ ③①	⑦ ⑧ ⑩				X5		SV-X5E [] 200A-A	SV-X5F [] 200A-A	Single/three-phase AC220V

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

①	SVCAB-ENC075CA-ABS-***L-05	Absolute encoder cable	⑦	CAB-ENC100A-ABS-LW-*M	Absolute encoder cable with battery box, for servo motor with thread
②			⑧	CAB-PWR100A-*M	4-core power cable, for aviation-connector type servo motor of flange 100-130
③	SVCAB-PWR010CA-***L-05	UWV power cable(no brake) 50W-150W	⑨	CAB-PWB100A-*M	9-core power brake cable, for aviation-connector type servo motor of flange 130
④	SVCAB-PWB010CA-***L-05	UWV power cable(with brake) 50W-150W	⑩	CAB-PWD100A-*M	2-core independent brake cable, for aviatio-connector servo motor of flange 100
⑤	SVCAB-PWR075CA-***L-05	UWV power cable(no brake) 200W-1KW	⑰	CAB-PWR400C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 2kW to 5kW
⑥	SVCAB-PWB075CA-***L-05	UWV power cable(with brake) 200W-1KW	⑱	CAB-PWR750C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 5.5kW to 7.5kW

Cables for servo motor of flange 100-180

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

⑪	ENC-TE-LW 1KW	Encoder accessories (10-pin aviationconnector + 1394 connector)
⑫	PWR-CON 1KW	4-pin 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-pin brake power connector
⑮	PWR-CON 7.5KW	4-pin power aviation connector, for flange 180
⑯	PWR-CON-F	2-pin fan power connector

Other accessories specifications

⑰	ENC-TE 750W	2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
⑳	PWR-CON 750W	4-hole power plastic connector
㉑	PWB-CON 750W	2-hole power brake plastic connector
㉒	SVCAB-ENC75A-*M	Absolute encoder cable, for lead-wire servo motor of flange 40-80
㉓	CAB-PWR75A-*M	4-core power cable, for lead-wire servo motor of flange 40-80
㉔	CAB-PWB75A-*M	6-core power brake cable, for lead-wire servo motor of flange 40-80
㉕	SVBOX-ENCABS	Adapter cable with 1394 connector
㉖	SV-BAT	Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
			Absolute	Absolute												General-purpose: Y7N [] ---	Standard: Y7E [] ---/X5E [] ---	Full-functional: Y7F [] ---/X5F [] ---	
X6-MA Low inertia	50W	SV-X6MA005A-N2CD	●		●	●	40	φ8	Connector-type		① ③ ③1		X6-MA Low inertia	50W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MA005A-B2CD									① ④ ③1				X5		SV-X5E [] 010A-A	SV-X5F [] 010A-A	Single-phase AC220V
	100W	SV-X6MA010A-N2CD	●		●	●	40	φ8	Connector-type		① ③ ③1			100W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MA010A-B2CD									① ④ ③1				X5		SV-X5E [] 010A-A	SV-X5F [] 010A-A	Single-phase AC220V
	150W	SV-X6MA015A-N2CD	●		●	●	40	φ8	Connector-type		① ③ ③1			150W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MA015A-B2CD									① ④ ③1				X5		SV-X5E [] 020A-A	SV-X5F [] 020A-A	Single-phase AC220V
	200W	SV-X6MA020A-N2CD	●		●	●	60	φ14	Connector-type		① ⑤ ③1			200W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MA020A-B2CD									① ⑥ ③1				X5		SV-X5E [] 020A-A	SV-X5F [] 020A-A	Single-phase AC220V
	400W	SV-X6MA040A-N2CD	●		●	●	60	φ14	Connector-type		① ⑤ ③1			400W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MA040A-B2CD									① ⑥ ③1				X5		SV-X5E [] 040A-A	SV-X5F [] 040A-A	Single-phase AC220V
	600W	SV-X6MA060E-N2LD	●		●	●	110	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			600W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X6MA060E-B2LD								⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
	750W	SV-X6MA075A-N2CD	●		●	●	80	φ19	Connector-type		① ⑤ ③1			750W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X6MA075A-B2CD									① ⑥ ③1				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
	900W	SV-X6MA090E-N2LD	●		●	●	110	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			900W	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X6MA090E-B2LD								⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V
	1kW	SV-X6MA100A-N2LD	●		●	●	100	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			1kW	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X6MA100A-B2LD								⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
	1.2kW	SV-X6MA120E-N2LD	●		●	●	110	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			1.2kW	Y7S	HN-Y7N [] 150A-S	HN-Y7E [] 150A-S	HN-Y7F [] 150A-S	Three-phase AC220V
		SV-X6MA120E-B2LD								⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
	1.5kW	SV-X6MA150A-N2LD	●		●	●	110	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			1.5kW	Y7S	HN-Y7N [] 150A-S	HN-Y7E [] 150A-S	HN-Y7F [] 150A-S	Three-phase AC220V
		SV-X6MA150A-B2LD								⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
		SV-X6MA150E-N2LD	●		●	●	100	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧				Y7S	HN-Y7N [] 150A-S	HN-Y7E [] 150A-S	HN-Y7F [] 150A-S	Three-phase AC220V
		SV-X6MA150E-B2LD								⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
	1.8kW	SV-X6MA180E-N2LD	●		●	●	110	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			1.8kW	Y7S	HN-Y7N [] 200A-S	HN-Y7E [] 200A-S	HN-Y7F [] 200A-S	Three-phase AC220V
		SV-X6MA180E-B2LD								⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩				X5		SV-X5E [] 200A-A	SV-X5F [] 200A-A	Single/three-phase AC220V
	2kW	SV-X6MA200A-N2LD	●		●	●	100	φ19	Aviation connector	⑪ ⑫ ③1	⑦ ⑧			2kW	Y7S	HN-Y7N [] 200A-S	HN-Y7E [] 200A-S	HN-Y7F [] 200A-S	Three-phase AC220V
		SV-X6MA200A-B2LD								⑪ ⑫ ⑭ ③1	⑦ ⑧ ⑩				X5		SV-X5E [] 200A-A	SV-X5F [] 200A-A	Single/three-phase AC220V

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

- ① SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- ②
- ③ SVCAB-PWR010CA-***L-05 UWW power cable(no brake) 50W~150W
- ④ SVCAB-PWB010CA-***L-05 UWW power cable(with brake) 50W~150W
- ⑤ SVCAB-PWR075CA-***L-05 UWW power cable(no brake) 200W~1KW
- ⑥ SVCAB-PWB075CA-***L-05 UWW power cable(with brake) 200W~1KW

Cables for servo motor of flange 100-180

- ⑦ CAB-ENC100A-ABS-LW-*M Absolute encoder cable with battery box, for servo motor with thread
- ⑧ CAB-PWR100A-*M 4-core power cable, for aviation-connector type servo motor of flange 100-130
- ⑨ CAB-PWB100A-*M 9-core power brake cable, for aviation-connector type servo motor of flange 130
- ⑩ CAB-PWD100A-*M 2-core independent brake cable, for aviatio-connector servo motor of flange 100
- ⑪ CAB-PWR400C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
- ⑫ CAB-PWR750C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

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

- ⑬ ENC-TE-LW 1KW Encoder accessories (10-pin aviationconnector + 1394 connector)
- ⑭ PWR-CON 1KW 4-pin power aviation connector, for flange 100&130
- ⑮ PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange 100&130
- ⑯ PWB-CON- 1KW 2-pin brake power connector
- ⑰ PWR-CON 7.5KW 4-pin power aviation connector, for flange 180
- ⑱ PWR-CON-F 2-pin fan power connector

Other accessories specifications

- ⑲ ENC-TE 750W 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- ⑳ PWR-CON 750W 4-hole power plastic connector
- ㉑ PWB-CON 750W 2-hole power brake plastic connector
- ㉒ SVCAB-ENC75A-*M Absolute encoder cable, for lead-wire servo motor of flange 40-80
- ㉓ CAB-PWR75A-*M 4-core power cable, for lead-wire servo motor of flange 40-80
- ㉔ CAB-PWB75A-*M 6-core power brake cable, for lead-wire servo motor of flange 40-80
- ㉕ SVBOX-ENCABS Adapter cable with 1394 connector
- ㉖ SV-BAT Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
			Absolute	Absolute												General-purpose: Y7N[]---	Standard: Y7E[]---/X5E[]---	Full-functional: Y7F[]---/X5F[]---	
X6-MM Middle inertia	1kW	SV-X6MM100A-N2LD	●		●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		X6-MM Middle inertia	1kW	Y7S	HN-Y7N[] 100A-S	HN-Y7E[] 100A-S	HN-Y7F[] 100A-S	Three-phase AC220V
		SV-X6MM100A-B2LD								⑪ ⑬ ③①	⑦ ⑨				X5		SV-X5E[] 100A-A	SV-X5F[] 100A-A	Single-phase AC220V
	1.5kW	SV-X6MM150A-N2LD	●		●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			1.5kW	Y7S	HN-Y7N[] 150A-S	HN-Y7E[] 150A-S	HN-Y7F[] 150A-S	Three-phase AC220V
		SV-X6MM150A-B2LD								⑪ ⑬ ③①	⑦ ⑨				X5		SV-X5E[] 150A-A	SV-X5F[] 150A-A	Single/three-phase AC220V
	2kW	SV-X6MM200A-N2LD	●		●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		2kW		Y7S	HN-Y7N[] 200A-S	HN-Y7E[] 200A-S	HN-Y7F[] 200A-S	Three-phase AC220V
		SV-X6MM200A-B2LD								⑪ ⑬ ③①	⑦ ⑨				X5		SV-X5E[] 200A-A	SV-X5F[] 200A-A	Single/three-phase AC220V
X6-MMS Middle inertia & high speed	1kW	SV-X6MM100S-N2LD	●			●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		X6-MMS Middle inertia & high speed	1kW	Y7S	HN-Y7N[] 150A-S	HN-Y7E[] 150A-S	HN-Y7F[] 150A-S	Three-phase AC220V
		SV-X6MM100S-B2LD								⑪ ⑬ ③①	⑦ ⑨				X5		SV-X5E[] 150A-A	SV-X5F[] 150A-A	Single/three-phase AC220V
	1.5kW	SV-X6MM150S-N2LD	●			●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			1.5kW	Y7S	HN-Y7N[] 150A-S	HN-Y7E[] 150A-S	HN-Y7F[] 150A-S	Three-phase AC220V
		SV-X6MM150S-B2LD								⑪ ⑬ ③①	⑦ ⑨				X5		SV-X5E[] 200A-A	SV-X5F[] 200A-A	Single/three-phase AC220V
	2kW	SV-X6MM200S-N2LD	●			●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		2kW		Y7S	HN-Y7N[] 200A-S	HN-Y7E[] 200A-S	HN-Y7F[] 200A-S	Three-phase AC220V
		SV-X6MM200S-B2LD								⑪ ⑬ ③①	⑦ ⑨				X5		SV-X5E[] 250A-A	SV-X5F[] 250A-A	Single/three-phase AC220V

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

- ① SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- ②
- ③ SVCAB-PWR010CA-***L-05 UWW power cable(no brake) 50W~150W
- ④ SVCAB-PWB010CA-***L-05 UWW power cable(with brake) 50W~150W
- ⑤ SVCAB-PWR075CA-***L-05 UWW power cable(no brake) 200W~1KW
- ⑥ SVCAB-PWB075CA-***L-05 UWW power cable(with brake) 200W~1KW

Cables for servo motor of flange 100-180

- ⑦ CAB-ENC100A-ABS-LW-*M Absolute encoder cable with battery box, for servo motor with thread
- ⑧ CAB-PWR100A-*M 4-core power cable, for aviation-connector type servo motor of flange 100-130
- ⑨ CAB-PWB100A-*M 9-core power brake cable, for aviation-connector type servo motor of flange 130
- ⑩ CAB-PWD100A-*M 2-core independent brake cable, for aviatio-connector servo motor of flange 100
- ⑰ CAB-PWR400C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
- ⑱ CAB-PWR750C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

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

- ⑪ ENC-TE-LW 1KW Encoder accessories (10-pin aviationconnector + 1394 connector)
- ⑫ PWR-CON 1KW 4-pin 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-pin brake power connector
- ⑮ PWR-CON 7.5KW 4-pin power aviation connector, for flange 180
- ⑯ PWR-CON-F 2-pin fan power connector

Other accessories specifications

- ⑳ ENC-TE 750W 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- ㉑ PWR-CON 750W 4-hole power plastic connector
- ㉒ PWB-CON 750W 2-hole power brake plastic connector
- ㉓ SVCAB-ENC75A-*M Absolute encoder cable, for lead-wire servo motor of flange 40-80
- ㉔ CAB-PWR75A-*M 4-core power cable, for lead-wire servo motor of flange 40-80
- ㉕ CAB-PWB75A-*M 6-core power brake cable, for lead-wire servo motor of flange 40-80
- ㉖ SVBOX-ENCABS Adapter cable with 1394 connector
- ㉗ SV-BAT Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[]Control mode [A] Pulse control / [B] EtherCAT / [K]MECHATROLINK-III / [R] Profinet/ [N] CANopen			Power specifications
			Absolute	Absolute												General-purpose:Y7N[]---	Standard:Y7E[]---/X5E[]---	Full-functional:Y7F[]---/X5F[]---	
X6-MH High inertia	50W	SV-X6MH005A-N2CD	●		●	●	40	φ8	Connector-type		① ③ ③1		X6-MH High inertia	50W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V
		SV-X6MH005A-B2CD									●					SV-X5E[] 010A-A	SV-X5F[] 010A-A	Single-phase AC220V	
	100W	SV-X6MH010A-N2CD	●		●	40	φ8	Connector-type		① ③ ③1	100W			Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X6MH010A-B2CD								●					SV-X5E[] 010A-A	SV-X5F[] 010A-A	Single-phase AC220V		
	150W	SV-X6MH015A-N2CD	●		●	40	φ8	Connector-type		① ③ ③1	150W			Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X6MH015A-B2CD								●					SV-X5E[] 020A-A	SV-X5F[] 020A-A	Single-phase AC220V		
	200W	SV-X6MH020A-N2CD	●		●	60	φ14	Connector-type		① ⑤ ③1	200W			Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X6MH020A-B2CD								●					SV-X5E[] 020A-A	SV-X5F[] 020A-A	Single-phase AC220V		
		SV-X6MH020A-N2JD					●							① ⑤ ③1		X5		SV-X5E[] 020A-A	SV-X5F[] 020A-A
	400W	SV-X6MH040A-N2CD	●		●	60	φ14	Connector-type		① ⑤ ③1	400W			Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X6MH040A-B2CD								●					SV-X5E[] 040A-A	SV-X5F[] 040A-A	Single-phase AC220V		
	600W	SV-X6MH060A-N2LD	●		●	60	φ14	Wire type	②1 ②2 ③1	②4 ②5 ②7	600W			Y7S	HN-Y7N[] 075A-S	HN-Y7E[] 075A-S	HN-Y7F[] 075A-S	Single/three-phaseAC220V	
		SV-X6MH060A-B2LD							●					②1 ②2 ②3 ③1	②4 ②6 ②7	SV-X5E[] 075A-A	SV-X5F[] 075A-A	Single-phase AC220V	
	750W	SV-X6MH075A-N2CD	●		●	80	φ19	Connector-type		① ⑤ ③1	750W			Y7S	HN-Y7N[] 075A-S	HN-Y7E[] 075A-S	HN-Y7F[] 075A-S	Single/three-phaseAC220V	
		SV-X6MH075A-B2CD								●					① ⑥ ③1		SV-X5E[] 075A-A	SV-X5F[] 075A-A	Single-phase AC220V
	1kW	SV-X6MH100A-N2LD	●		●	130	φ22	Aviation connector	①1 ①2 ③1	⑦ ⑧	1kW			Y7S	HN-Y7N[] 100A-S	HN-Y7E[] 100A-S	HN-Y7F[] 100A-S	Three-phase AC220V	
		SV-X6MH100A-B2LD							●					①1 ①3 ③1	⑦ ⑨	SV-X5E[] 100A-A	SV-X5F[] 100A-A	Single-phase AC220V	
	1.5kW	SV-X6MH150A-N2LD	●		●	130	φ22	Aviation connector	①1 ①2 ③1	⑦ ⑧	1.5kW			Y7S	HN-Y7N[] 150A-S	HN-Y7E[] 150A-S	HN-Y7F[] 150A-S	Three-phase AC220V	
		SV-X6MH150A-B2LD							●					①1 ①3 ③1	⑦ ⑨	SV-X5E[] 150A-A	SV-X5F[] 150A-A	Single/three-phaseAC220V	
X6-MHH Ultra-high inertia	100W	SV-X6MH010H-N2CD	●		●	40	φ8	Connector-type		① ③ ③1	X6-MHH Ultra-high inertia		100W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V	
		SV-X6MH010H-B2CD								●					① ④ ③1		SV-X5E[] 010A-A	SV-X5F[] 010A-A	Single-phase AC220V
	200W	SV-X6MH020H-N2LD	●		●	60	φ14	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7				200W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V
		SV-X6MH020H-B2LD							●						②1 ②2 ②3 ③1	②4 ②6 ②7	SV-X5E[] 020A-A	SV-X5F[] 020A-A	Single-phase AC220V
	400W	SV-X6MH040H-N2CD	●		●	60	φ14	Connector-type		① ⑤ ③1				400W	Y7S	HN-Y7N[] 040A-S	HN-Y7E[] 040A-S	HN-Y7F[] 040A-S	Single/three-phaseAC220V
		SV-X6MH040H-B2CD								●						① ⑥ ③1		SV-X5E[] 040A-A	SV-X5F[] 040A-A
	750W	SV-X6MH075H-N2LD	●		●	80	φ19	Lead-wire type	②1 ②2 ③1	②4 ②5 ②7				750W	Y7S	HN-Y7N[] 075A-S	HN-Y7E[] 075A-S	HN-Y7F[] 075A-S	Single/three-phaseAC220V
									●						SV-X5E[] 075A-A	SV-X5F[] 075A-A	Single-phase AC220V		

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

①	SVCAB-ENC075CA-ABS-***L-05	Absolute encoder cable	⑦	CAB-ENC100A-ABS-LW-*M	Absolute encoder cable with battery box, for servo motor with thread
②			⑧	CAB-PWR100A-*M	4-core power cable, for aviation-connector type servo motor of flange 100-130
③	SVCAB-PWR010CA-***L-05	UWV power cable(no brake) 50W-150W	⑨	CAB-PWB100A-*M	9-core power brake cable, for aviation-connector type servo motor of flange 130
④	SVCAB-PWB010CA-***L-05	UWV power cable(with brake) 50W-150W	⑩	CAB-PWD100A-*M	2-core independent brake cable, for aviation-connector servo motor of flange 100
⑤	SVCAB-PWR075CA-***L-05	UWV power cable(no brake) 200W-1KW	⑪	CAB-PWR400C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
⑥	SVCAB-PWB075CA-***L-05	UWV power cable(with brake) 200W-1KW	⑫	CAB-PWR750C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

Cables for servo motor of flange 100-180

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

⑪	ENC-TE-LW 1KW	Encoder accessories (10-pin aviation connector + 1394 connector)
⑫	PWR-CON 1KW	4-pin 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-pin brake power connector
⑮	PWR-CON 7.5KW	4-pin power aviation connector, for flange 180
⑯	PWR-CON-F	2-pin fan power connector

Other accessories specifications

⑰	ENC-TE 750W	2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
⑱	PWR-CON 750W	4-hole power plastic connector
⑲	PWB-CON 750W	2-hole power brake plastic connector
⑳	SVCAB-ENC75A-*M	Absolute encoder cable, for lead-wire servo motor of flange 40-80
㉑	CAB-PWR75A-*M	4-core power cable, for lead-wire servo motor of flange 40-80
㉒	CAB-PWB75A-*M	6-core power brake cable, for lead-wire servo motor of flange 40-80
㉓	SVBOX-ENCABS	Adapter cable with 1394 connector
㉔	SV-BAT	Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
			Absolute	Absolute												General-purpose: Y7N [] ---	Standard: Y7E [] ---/X5E [] ---	Full-functional: Y7F [] ---/X5F [] ---	
X2-MQ Special flange/ Flat -type/ small flange	100W	SV-X6MQ010A-N2LD	●		●	●	60	φ8	Lead-wire type	21 22 31	24 25 27		X2-MQ Special flange/ Flat -type/ small flange	100W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MQ010A-B2LD								21 22 23 31	24 26 27				X5		SV-X5E [] 010A-A	SV-X5F [] 010A-A	Single-phase AC220V
	200W	SV-X6MQ020A-N2LD	●		●	●	60	φ11	Lead-wire type	21 22 31	24 25 27			200W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MQ020A-B2LD								21 22 23 31	24 26 27				X5		SV-X5E [] 020A-A	SV-X5F [] 020A-A	Single-phase AC220V
	400W	SV-X6MQ040A-N2LD	●		●	●	80	φ14	Lead-wire type	21 22 31	24 25 27			400W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MQ040A-B2LD								21 22 23 31	24 26 27				X5		SV-X5E [] 040A-A	SV-X5F [] 040A-A	Single-phase AC220V
X6-MG Low-speed & high-torque	1kW	SV-X6MG075A-N2LD	●		●	●	80	φ19	Lead-wire type	21 22 31	24 25 27		X6-MG Low-speed & high-torque	1kW	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X6MG075A-B2LD									1 5 31				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V
	750W	SV-X6MG075A-N2LD	●		●	●	80	φ19	Lead-wire type	21 22 31	24 25 27			750W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X6MG075A-B2LD								21 22 23 31	24 26 27				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
	1kW	SV-X6MG100A-N2LD	●		●	●	130	φ22	Aviation connector	11 12 31	7 8			1kW	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X6MG100A-B2LD								11 13 31	7 9				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V
	850W	SV-X6MG085A-N2LD	●		●	●	130	φ22	Aviation connector	11 12 31	7 8			850W	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X6MG085A-B2LD								11 13 31	7 9				X5		SV-X5E [] 100A-A	SV-X5F [] 100A-A	Single-phase AC220V
	1.3kW	SV-X6MG130A-N2LD	●		●	●	130	φ22	Aviation connector	11 12 31	7 8			1.3kW	Y7S	HN-Y7N [] 150A-S	HN-Y7E [] 150A-S	HN-Y7F [] 150A-S	Three-phase AC220V
		SV-X6MG130A-B2LD								11 13 31	7 9				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
	1.8kW	SV-X6MG180A-N2LD	●		●	●	130	φ22	Aviation connector	11 12 31	7 8			1.8kW	Y7S	HN-Y7N [] 200A-S	HN-Y7E [] 200A-S	HN-Y7F [] 200A-S	Three-phase AC220V
		SV-X6MG180A-B2LD								11 13 31	7 9				X5		SV-X5E [] 250A-A	SV-X5F [] 250A-A	Single/three-phase AC220V
X6-MGS Low-cogging cutting	400W	SV-X6MG040S-N2CD	●		●	●	60	φ14	Connector -type		1 5 31		X6-MGS Low-cogging cutting	400W	Y7S	HN-Y7N [] 040A-S	HN-Y7E [] 040A-S	HN-Y7F [] 040A-S	Single/three-phase AC220V
		SV-X6MG040S-B2CD									1 6 31				X5		SV-X5E [] 040A-A	SV-X5F [] 040A-A	Single-phase AC220V
	750W	SV-X6MG075S-N2CD	●		●	●	80	φ19	Connector -type		1 5 31			750W	Y7S	HN-Y7N [] 075A-S	HN-Y7E [] 075A-S	HN-Y7F [] 075A-S	Single/three-phase AC220V
		SV-X6MG075S-B2CD									1 6 31				X5		SV-X5E [] 075A-A	SV-X5F [] 075A-A	Single-phase AC220V
	850W	SV-X6MG085S-N2LD	●		●	●	130	φ19	Aviation connector	11 12 31	7 8			850W	Y7S	HN-Y7N [] 100A-S	HN-Y7E [] 100A-S	HN-Y7F [] 100A-S	Three-phase AC220V
		SV-X6MG085S-B2LD								11 12 14 31	7 8 10				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
	1.3kW	SV-X6MG130S-N2LD	●		●	●	130	φ22	Aviation connector	11 12 31	7 8			1.3kW	Y7S	HN-Y7N [] 150A-S	HN-Y7E [] 150A-S	HN-Y7F [] 150A-S	Three-phase AC220V
		SV-X6MG130S-B2LD								11 12 14 31	7 8 10				X5		SV-X5E [] 150A-A	SV-X5F [] 150A-A	Single/three-phase AC220V
	1.8kW	SV-X6MG180S-N2LD	●		●	●	130	φ24	Aviation connector	11 12 31	7 8			1.8kW	Y7S	HN-Y7N [] 200A-S	HN-Y7E [] 200A-S	HN-Y7F [] 200A-S	Three-phase AC220V
		SV-X6MG180S-B2LD								11 12 14 31	7 8 10				X5		SV-X5E [] 250A-A	SV-X5F [] 250A-A	Single/three-phase AC220V

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

1	SVCAB-ENC075CA-ABS-***L-05	Absolute encoder cable	7	CAB-ENC100A-ABS-LW-*M	Absolute encoder cable with battery box, for servo motor with thread
2			8	CAB-PWR100A-*M	4-core power cable, for aviation-connector type servo motor of flange 100-130
3	SVCAB-PWR010CA-***L-05	UWW power cable(no brake) 50W~150W	9	CAB-PWB100A-*M	9-core power brake cable, for aviation-connector type servo motor of flange 130
4	SVCAB-PWB010CA-***L-05	UWW power cable(with brake) 50W~150W	10	CAB-PWD100A-*M	2-core independent brake cable, for aviation-connector servo motor of flange 100
5	SVCAB-PWR075CA-***L-05	UWW power cable(no brake) 200W~1KW	17	CAB-PWR400C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
6	SVCAB-PWB075CA-***L-05	UWW power cable(with brake) 200W~1KW	18	CAB-PWR750C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

Cables for servo motor of flange 100-180

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

11	ENC-TE-LW 1KW	Encoder accessories (10-pin aviationconnector + 1394 connector)
12	PWR-CON 1KW	4-pin 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-pin brake power connector
15	PWR-CON 7.5KW	4-pin power aviation connector, for flange 180
16	PWR-CON-F	2-pin fan power connector

Other accessories specifications

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
24	SVCAB-ENC75A-*M	Absolute encoder cable, for lead-wire servo motor of flange 40-80
25	CAB-PWR75A-*M	4-core power cable, for lead-wire servo motor of flange 40-80
26	CAB-PWB75A-*M	6-core power brake cable, for lead-wire servo motor of flange 40-80
27	SVBOX-ENCABS	Adapter cable with 1394 connector
31	SV-BAT	Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
			Absolute	Absolute												General-purpose: Y7N [] ---	Standard: Y7E [] ---/X5E [] ---	Full-functional: Y7F [] ---/X5F [] ---	
X6-MA Low inertia	1kW	SV-X6MA100A-N4LA		●		●	100	φ19	Aviation connector	11 12 31	7 8		X6-MA Low inertia	1kW	Y7S	HN-Y7N [] 100T-S	HN-Y7E [] 100T-S	HN-Y7F [] 100T-S	Three-phase AC380V
		SV-X6MA100A-B4LA			●					11 12 14 31	7 8 10				X5				
		SV-X6MA100A-N4LD	●			●	100	φ19	Aviation connector	11 12 31	7 8			1.5kW	Y7S	HN-Y7N [] 150T-S	HN-Y7E [] 150T-S	HN-Y7F [] 150T-S	Three-phase AC380V
		SV-X6MA100A-B4LD			●					11 12 14 31	7 8 10				X5				
	1.5kW	SV-X6MA150A-N4LA		●		●	100	φ19	Aviation connector	11 12 31	7 8			2kW	Y7S	HN-Y7N [] 200T-S	HN-Y7E [] 200T-S	HN-Y7F [] 200T-S	Three-phase AC380V
		SV-X6MA150A-B4LA			●					11 12 14 31	7 8 10				X5				
		SV-X6MA150A-N4LD	●			●	100	φ19	Aviation connector	11 12 31	7 8			2.5kW	Y7S	HN-Y7N [] 300T-S	HN-Y7E [] 300T-S	HN-Y7F [] 300T-S	Three-phase AC380V
		SV-X6MA150A-B4LD			●					11 12 14 31	7 8 10				X5				
	2kW	SV-X6MA200A-N4LA		●		●	100	φ19	Aviation connector	11 12 31	7 8			3kW	Y7S	HN-Y7N [] 300T-S	HN-Y7E [] 300T-S	HN-Y7F [] 300T-S	Three-phase AC380V
		SV-X6MA200A-B4LA			●					11 12 14 31	7 8 10				X5				
		SV-X6MA200A-N4LD	●			●	100	φ19	Aviation connector	11 12 31	7 8			4kW	Y7S	HN-Y7N [] 500T-S	HN-Y7E [] 500T-S	HN-Y7F [] 500T-S	Three-phase AC380V
		SV-X6MA200A-B4LD			●					11 12 14 31	7 8 10				X5				
	2.5kW	SV-X6MA250A-N4LA		●		●	100	φ19	Aviation connector	11 12 31	7 8			5kW	Y7S	HN-Y7N [] 500T-S	HN-Y7E [] 500T-S	HN-Y7F [] 500T-S	Three-phase AC380V
		SV-X6MA250A-B4LA			●					11 13 31	7 9				X5				
		SV-X6MA250A-N4LD	●			●	100	φ19	Aviation connector	11 12 31	7 8			3kW	Y7S	HN-Y7N [] 300T-S	HN-Y7E [] 300T-S	HN-Y7F [] 300T-S	Three-phase AC380V
		SV-X6MA250A-B4LD			●					11 13 31	7 9				X5				
	3kW	SV-X6MA300A-N4LA		●		●	130	φ24	Aviation connector	11 12 31	7 8			4kW	Y7S	HN-Y7N [] 500T-S	HN-Y7E [] 500T-S	HN-Y7F [] 500T-S	Three-phase AC380V
		SV-X6MA300A-B4LA			●					11 13 31	7 9				X5				
		SV-X6MA300A-N4LD	●			●	130	φ24	Aviation connector	11 12 31	7 8			5kW	Y7S	HN-Y7N [] 500T-S	HN-Y7E [] 500T-S	HN-Y7F [] 500T-S	Three-phase AC380V
		SV-X6MA300A-B4LD			●					11 13 31	7 9				X5				
	3kW	SV-X6MA300K-N4LA		●		●	130	φ24	Aviation connector	11 12 31	7 8			1kW	Y7S	HN-Y7N [] 100T-S	HN-Y7E [] 100T-S	HN-Y7F [] 100T-S	Three-phase AC380V
		SV-X6MA300K-B4LA			●					11 13 31	7 9				X5				
		SV-X6MA300K-N4LD	●			●	130	φ24	Aviation connector	11 12 31	7 8			1.5kW	Y7S	HN-Y7N [] 150T-S	HN-Y7E [] 150T-S	HN-Y7F [] 150T-S	Three-phase AC380V
		SV-X6MA300K-B4LD			●					11 13 31	7 9				X5				
	4kW	SV-X6MA400K-N4LA		●		●	130	φ24	Aviation connector	11 12 31	7 8			2kW	Y7S	HN-Y7N [] 200T-S	HN-Y7E [] 200T-S	HN-Y7F [] 200T-S	Three-phase AC380V
		SV-X6MA400K-B4LA			●					11 13 31	7 9				X5				
		SV-X6MA400K-N4LD	●			●	130	φ24	Aviation connector	11 12 31	7 8			2.5kW	Y7S	HN-Y7N [] 300T-S	HN-Y7E [] 300T-S	HN-Y7F [] 300T-S	Three-phase AC380V
		SV-X6MA400K-B4LD			●					11 13 31	7 9				X5				
	5kW	SV-X6MA500K-N4LA		●		●	130	φ24	Aviation connector	11 12 31	7 8			3kW	Y7S	HN-Y7N [] 300T-S	HN-Y7E [] 300T-S	HN-Y7F [] 300T-S	Three-phase AC380V
		SV-X6MA500K-B4LA			●					11 13 31	7 9				X5				
		SV-X6MA500K-N4LD	●			●	130	φ24	Aviation connector	11 12 31	7 8			4kW	Y7S	HN-Y7N [] 500T-S	HN-Y7E [] 500T-S	HN-Y7F [] 500T-S	Three-phase AC380V
		SV-X6MA500K-B4LD			●					11 13 31	7 9				X5				

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

- 1

SVCAB-ENC075CA-ABS-***L-05

Absolute encoder cable
- 2
- 3

SVCAB-PWR010CA-***L-05

UWV power cable(no brake) 50W~150W
- 4

SVCAB-PWB010CA-***L-05

UWV power cable(with brake) 50W~150W
- 5

SVCAB-PWR075CA-***L-05

UWV power cable(no brake) 200W~1KW
- 6

SVCAB-PWB075CA-***L-05

UWV power cable(with brake) 200W~1KW
- 7

CAB-ENC100A-ABS-LW-*M

Absolute encoder cable with battery box, for servo motor with thread
- 8

CAB-PWR100A-*M

4-core power cable, for aviation-connector type servo motor of flange 100-130
- 9

CAB-PWB100A-*M

9-core power brake cable, for aviation-connector type servo motor of flange 130
- 10

CAB-PWD100A-*M

2-core independent brake cable, for aviation-connector servo motor of flange 100
- 17

CAB-PWR400C-*M

4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
- 18

CAB-PWR750C-*M

4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

Cables for servo motor of flange 100-180

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

- 11

ENC-TE-LW 1KW

Encoder accessories (10-pin aviationconnector + 1394 connector)
- 12

PWR-CON 1KW

4-pin 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-pin brake power connector
- 15

PWR-CON 7.5KW

4-pin power aviation connector, for flange 180
- 16

PWR-CON-F

2-pin fan power connector

Other accessories specifications

- 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
- 24

SVCAB-ENC75A-*M

Absolute encoder cable, for lead-wire servo motor of flange 40-80
- 25

CAB-PWR75A-*M

4-core power cable, for lead-wire servo motor of flange 40-80
- 26

CAB-PWB75A-*M

6-core power brake cable, for lead-wire servo motor of flange 40-80
- 27

SVBOX-ENCABS

Adapter cable with 1394 connector
- 31

SV-BAT

Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
			Absolute	Absolute												General-purpose: Y7N[]---	Standard: Y7E[]---/X5E[]---	Full-functional: Y7F[]---/X5F[]---	
X6-MM Middle inertia	1kW	SV-X6MM100A-N4LD	●			●	130	φ22	Aviation connector	11 12 31	7 8		X6-MM Middle inertia	1kW	Y7S	HN-Y7N[] 100T-S	HN-Y7E[] 100T-S	HN-Y7F[] 100T-S	Three-phase AC380V
		SV-X6MM100A-B4LD								11 13 31	7 9				X5				
		SV-X6MM100A-N4LA		●		●	130	φ22	Aviation connector	11 12 31	7 8			1.5kW	Y7S	HN-Y7N[] 150T-S	HN-Y7E[] 150T-S	HN-Y7F[] 150T-S	Three-phase AC380V
		SV-X6MM100A-B4LA								11 13 31	7 9				X5				
	1.5kW	SV-X6MM150A-N4LD	●			●	130	φ22	Aviation connector	11 12 31	7 8			1.5kW	Y7S	HN-Y7N[] 150T-S	HN-Y7E[] 150T-S	HN-Y7F[] 150T-S	Three-phase AC380V
		SV-X6MM150A-B4LD								11 13 31	7 9				X5				
		SV-X6MM150A-N4LA		●		●	130	φ22	Aviation connector	11 12 31	7 8			2kW	Y7S	HN-Y7N[] 200T-S	HN-Y7E[] 200T-S	HN-Y7F[] 200T-S	Three-phase AC380V
		SV-X6MM150A-B4LA								11 13 31	7 9				X5				
	2kW	SV-X6MM200A-N4LD	●			●	130	φ22	Aviation connector	11 12 31	7 8		X6-MMS Middle inertia & high speed	1kW	Y7S	HN-Y7N[] 100T-S	HN-Y7E[] 100T-S	HN-Y7F[] 100T-S	Three-phase AC380V
		SV-X6MM200A-B4LD								11 13 31	7 9				X5				
		SV-X6MM200A-N4LA		●		●	130	φ22	Aviation connector	11 12 31	7 8			1.5kW	Y7S	HN-Y7N[] 200T-S	HN-Y7E[] 200T-S	HN-Y7F[] 200T-S	Three-phase AC380V
		SV-X6MM200A-B4LA								11 13 31	7 9				X5				
X6-MMS Middle inertia & high speed	1kW	SV-X6MM100S-N4LD	●			●	130	φ22	Aviation connector	11 12 31	7 8			1kW	Y7S	HN-Y7N[] 100T-S	HN-Y7E[] 100T-S	HN-Y7F[] 100T-S	Three-phase AC380V
		SV-X6MM100S-B4LD								11 13 31	7 9				X5				
		SV-X6MM100S-N4LA		●		●	130	φ22	Aviation connector	11 12 31	7 8			1.5kW	Y7S	HN-Y7N[] 200T-S	HN-Y7E[] 200T-S	HN-Y7F[] 200T-S	Three-phase AC380V
		SV-X6MM100S-B4LA								11 13 31	7 9				X5				
	1.5kW	SV-X6MM150S-N4LD	●			●	130	φ22	Aviation connector	11 12 31	7 8			1.5kW	Y7S	HN-Y7N[] 200T-S	HN-Y7E[] 200T-S	HN-Y7F[] 200T-S	Three-phase AC380V
		SV-X6MM150S-B4LD								11 13 31	7 9				X5				
		SV-X6MM150S-N4LA		●		●	130	φ22	Aviation connector	11 12 31	7 8			2kW	Y7S	HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V
		SV-X6MM150S-B4LA								11 13 31	7 9				X5				
	2kW	SV-X6MM200S-N4LD	●			●	130	φ22	Aviation connector	11 12 31	7 8			2kW	Y7S	HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V
		SV-X6MM200S-B4LD								11 13 31	7 9				X5				
		SV-X6MM200S-N4LA		●		●	130	φ22	Aviation connector	11 12 31	7 8			2kW	Y7S	HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V
		SV-X6MM200S-B4LA								11 13 31	7 9				X5				

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

- 1 SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- 2
- 3 SVCAB-PWR010CA-***L-05 UWW power cable(no brake) 50W~150W
- 4 SVCAB-PWB010CA-***L-05 UWW power cable(with brake) 50W~150W
- 5 SVCAB-PWR075CA-***L-05 UWW power cable(no brake) 200W~1KW
- 6 SVCAB-PWB075CA-***L-05 UWW power cable(with brake) 200W~1KW

Cables for servo motor of flange 100-180

- 7 CAB-ENC100A-ABS-LW-*M Absolute encoder cable with battery box, for servo motor with thread
- 8 CAB-PWR100A-*M 4-core power cable, for aviation-connector type servo motor of flange 100-130
- 9 CAB-PWB100A-*M 9-core power brake cable, for aviation-connector type servo motor of flange 130
- 10 CAB-PWD100A-*M 2-core independent brake cable, for aviatio-connector servo motor of flange 100
- 17 CAB-PWR400C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
- 18 CAB-PWR750C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

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

- 11 ENC-TE-LW 1KW Encoder accessories (10-pin aviationconnector + 1394 connector)
- 12 PWR-CON 1KW 4-pin 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-pin brake power connector
- 15 PWR-CON 7.5KW 4-pin power aviation connector, for flange 180
- 16 PWR-CON-F 2-pin fan power connector

Other accessories specifications

- 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
- 24 SVCAB-ENC75A-*M Absolute encoder cable, for lead-wire servo motor of flange 40-80
- 25 CAB-PWR75A-*M 4-core power cable, for lead-wire servo motor of flange 40-80
- 26 CAB-PWB75A-*M 6-core power brake cable, for lead-wire servo motor of flange 40-80
- 27 SVBOX-ENCABS Adapter cable with 1394 connector
- 31 SV-BAT Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[]Control mode [A] Pulse control / [B] EtherCAT / [K]MECHATROLINK-III / [R] Profinet/ [N] CANopen			Power specifications
			Absolute	Absolute												General-purpose:Y7N[]---	Standard:Y7E[]---/X5E[]---	Full-functional:Y7F[]---/X5F[]---	
X6-MM Middle inertia	3kW	SV-X6MM300A-N4LD	●			●	180	φ35	Aviation connector	11 15 31	7 17		X6-MM Middle inertia	3kW	Y7S	HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V
		SV-X6MM300A-B4LD			●						11 14 15 31				7 10 17				
		SV-X6MM300A-N4LA	●			●				11 15 31	7 17								
		SV-X6MM300A-B4LA			●					11 14 15 31	7 10 17								
	4kW	SV-X6MM400A-N4LD	●			●	11 15 31	7 17	4kW	Y7S	HN-Y7N[] 500T-S			HN-Y7E[] 500T-S	HN-Y7F[] 500T-S	Three-phase AC380V			
		SV-X6MM400A-B4LD			●			11 14 15 31		7 10 17									
		SV-X6MM400A-N4LA	●			●	11 15 31	7 17											
		SV-X6MM400A-B4LA			●		11 14 15 31	7 10 17											
	5kW	SV-X6MM500A-N4LD	●			●	11 15 31	7 17	5kW	Y7S	HN-Y7N[] 500T-S			HN-Y7E[] 500T-S	HN-Y7F[] 500T-S	Three-phase AC380V			
		SV-X6MM500A-B4LD			●			11 14 15 31		7 10 17									
		SV-X6MM500A-N4LA	●			●	11 15 31	7 17											
		SV-X6MM500A-B4LA			●		11 14 15 31	7 10 17											
	7.5kW	SV-X6MM750A(H)-N4LD	●			●	11 15 31	7 18	7.5kW	Y7S	HN-Y7N[] 750T-S			HN-Y7E[] 750T-S	HN-Y7F[] 750T-S	Three-phase AC380V			
		SV-X6MM750A(H)-B4LD			●			11 14 15 31		7 10 18									
		SV-X6MM750A(H)-N4LA	●			●	11 15 31	7 18											
		SV-X6MM750A(H)-B4LA			●		11 14 15 31	7 10 18											
	11kW	SV-X6MM11KA-N4LD-F	●			●	11 31	7	11kW	Y7S	HN-Y7N[] 111T-S			HN-Y7E[] 111T-S	HN-Y7F[] 111T-S	Three-phase AC380V			
		SV-X6MM11KA-B4LD-F			●			11 14 31		7 10									
		SV-X6MM11KA-N4LA-F	●			●	11 31	7											
		SV-X6MM11KA-B4LA-F			●		11 14 31	7 10											
	15kW	SV-X6MM15KA-N4LD-F	●			●	11 16 31	7	15kW	Y7S	HN-Y7N[] 151T-S		HN-Y7E[] 151T-S	HN-Y7F[] 151T-S	Three-phase AC380V				
		SV-X6MM15KA-B4LD-F			●			11 14 16 31		7 10									
		SV-X6MM15KA-N4LA-F	●			●	11 16 31	7											
		SV-X6MM15KA-B4LA-F			●		11 14 16 31	7 10											
X6-MH High inertia	2kW	SV-X6MH200A-N4LD	●			●	180	φ35	Aviation connector	11 15 31	7 17		X6-MH High inertia	2kW	Y7S	HN-Y7N[] 200T-S	HN-Y7E[] 200T-S	HN-Y7F[] 200T-S	Three-phase AC380V
		SV-X6MH200A-B4LD			●						11 14 15 31				7 10 17				
		SV-X6MH200A-N4LA	●			●				11 15 31	7 17								
		SV-X6MH200A-B4LA			●					11 14 15 31	7 10 17								

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

- 1

SVCAB-ENC075CA-ABS-***L-05

Absolute encoder cable
- 2
- 3

SVCAB-PWR010CA-***L-05

UWW power cable(no brake) 50W~150W
- 4

SVCAB-PWB010CA-***L-05

UWW power cable(with brake) 50W~150W
- 5

SVCAB-PWR075CA-***L-05

UWW power cable(no brake) 200W~1KW
- 6

SVCAB-PWB075CA-***L-05

UWW power cable(with brake) 200W~1KW
- 7

CAB-ENC100A-ABS-LW-*M

Absolute encoder cable with battery box, for servo motor with thread
- 8

CAB-PWR100A-*M

4-core power cable, for aviation-connector type servo motor of flange 100-130
- 9

CAB-PWB100A-*M

9-core power brake cable, for aviation-connector type servo motor of flange 130
- 10

CAB-PWD100A-*M

2-core independent brake cable, for aviatio-connector servo motor of flange 100
- 17

CAB-PWR400C-*M

4-core power cable, for aviation-connector servo motor of flange 180, 2kW to 5kW
- 18

CAB-PWR750C-*M

4-core power cable, for aviation-connector servo motor of flange 180, 5.5kW to 7.5kW

Cables for servo motor of flange 100-180

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

- 11

ENC-TE-LW 1KW

Encoder accessories (10-pin aviationconnector + 1394 connector)
- 12

PWR-CON 1KW

4-pin 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-pin brake power connector
- 15

PWR-CON 7.5KW

4-pin power aviation connector, for flange 180
- 16

PWR-CON-F

2-pin fan power connector

Other accessories specifications

- 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
- 24

SVCAB-ENC75A-*M

Absolute encoder cable, for lead-wire servo motor of flange 40-80
- 25

CAB-PWR75A-*M

4-core power cable, for lead-wire servo motor of flange 40-80
- 26

CAB-PWB75A-*M

6-core power brake cable, for lead-wire servo motor of flange 40-80
- 27

SVBOX-ENCABS

Adapter cable with 1394 connector
- 31

SV-BAT

Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[] Control mode [A] Pulse control / [B] EtherCAT / [K] MECHATROLINK-III / [R] Profinet / [N] CANopen			Power specifications
			Absolute	Absolute												General-purpose:Y7N[]---		Standard:Y7E[]---/X5E[]---	
X6-MG Low-speed & high-torque	850W	SV-X6MG085A-N4LD	●		●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		X6-MG Low-speed & high-torque	850W	Y7S	HN-Y7N[] 100T-S	HN-Y7E[] 100T-S	HN-Y7F[] 100T-S	Three-phase AC380V	
		SV-X6MG085A-B4LD							⑪ ⑬ ③①	⑦ ⑨				X5					
		SV-X6MG085A-N4LA	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧	1.3kW			Y7S		HN-Y7N[] 150T-S	HN-Y7E[] 150T-S	HN-Y7F[] 150T-S	Three-phase AC380V	
		SV-X6MG085A-B4LA						⑪ ⑬ ③①	⑦ ⑨				X5						
	1.3kW	SV-X6MG130C-N4LD	●		●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			1.3kW	Y7S	HN-Y7N[] 150T-S	HN-Y7E[] 150T-S	HN-Y7F[] 150T-S	Three-phase AC380V	
		SV-X6MG130C-B4LD							⑪ ⑫ ⑭ ③①	⑦ ⑧ ⑩				X5					
		SV-X6MG130C-N4LA	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧	1.5kW			Y7S		HN-Y7N[] 150T-S	HN-Y7E[] 150T-S	HN-Y7F[] 150T-S	Three-phase AC380V	
		SV-X6MG130C-B4LA						⑪ ⑫ ⑭ ③①	⑦ ⑧ ⑩				X5						
	1.5kW	SV-X6MG150C-N4LD	●		●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			1.5kW	Y7S	HN-Y7N[] 150T-S	HN-Y7E[] 150T-S	HN-Y7F[] 150T-S	Three-phase AC380V	
		SV-X6MG150C-B4LD							⑪ ⑬ ③①	⑦ ⑨				X5					
		SV-X6MG150C-N4LA	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧	1.8kW			Y7S		HN-Y7N[] 200T-S	HN-Y7E[] 200T-S	HN-Y7F[] 200T-S	Three-phase AC380V	
		SV-X6MG150C-B4LA						⑪ ⑬ ③①	⑦ ⑨				X5						
	1.8kW	SV-X6MG180C-N4LD	●		●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			1.8kW	Y7S	HN-Y7N[] 200T-S	HN-Y7E[] 200T-S	HN-Y7F[] 200T-S	Three-phase AC380V	
		SV-X6MG180C-B4LD							⑪ ⑫ ⑭ ③①	⑦ ⑧ ⑩				X5					
		SV-X6MG180C-N4LA	●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧	2.4kW			Y7S		HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V	
		SV-X6MG180C-B4LA						⑪ ⑫ ⑭ ③①	⑦ ⑧ ⑩				X5						
	2.4kW	SV-X6MG240A-N4LD	●		●	130	φ24	Aviation connector	⑪ ⑫ ③①	⑦ ⑧			2.4kW	Y7S	HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V	
		SV-X6MG240A-B4LD							⑪ ⑬ ③①	⑦ ⑨				X5					
		SV-X6MG240A-N4LA	●	●	130	φ24	Aviation connector	⑪ ⑫ ③①	⑦ ⑧	2.9kW			Y7S		HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V	
		SV-X6MG240A-B4LA						⑪ ⑬ ③①	⑦ ⑨				X5						
	2.9kW	SV-X6MG290A-N4LD	●		●	180	φ35	Aviation connector	⑪ ⑮ ③①	⑦ ⑮			2.9kW	Y7S	HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V	
		SV-X6MG290A-B4LD							⑪ ⑭ ⑮ ③①	⑦ ⑩ ⑮				X5					
		SV-X6MG290A-N4LA	●	●	180	φ35	Aviation connector	⑪ ⑮ ③①	⑦ ⑮	4.4kW			Y7S		HN-Y7N[] 500T-S	HN-Y7E[] 500T-S	HN-Y7F[] 500T-S	Three-phase AC380V	
		SV-X6MG290A-B4LA						⑪ ⑭ ⑮ ③①	⑦ ⑩ ⑮				X5						
	4.4kW	SV-X6MG440A-N4LD	●		●	180	φ35	Aviation connector	⑪ ⑮ ③①	⑦ ⑮			4.4kW	Y7S	HN-Y7N[] 500T-S	HN-Y7E[] 500T-S	HN-Y7F[] 500T-S	Three-phase AC380V	
		SV-X6MG440A-B4LD							⑪ ⑭ ⑮ ③①	⑦ ⑩ ⑮				X5					
		SV-X6MG440A-N4LA	●	●	180	φ35	Aviation connector	⑪ ⑮ ③①	⑦ ⑮	5.5 kW			Y7S		HN-Y7N[] 600T-S	HN-Y7E[] 600T-S	HN-Y7F[] 600T-S	Three-phase AC380V	
		SV-X6MG440A-B4LA						⑪ ⑭ ⑮ ③①	⑦ ⑩ ⑮				X5						
	5.5 kW	SV-X6MG550A-N4LD	●		●	180	φ42	Aviation connector	⑪ ⑮ ③①	⑦ ⑮			5.5 kW	Y7S	HN-Y7N[] 600T-S	HN-Y7E[] 600T-S	HN-Y7F[] 600T-S	Three-phase AC380V	
		SV-X6MG550A-B4LD							⑪ ⑭ ⑮ ③①	⑦ ⑩ ⑮				X5					
		SV-X6MG550A-N4LA	●	●	180	φ42	Aviation connector	⑪ ⑮ ③①	⑦ ⑮	5.5 kW			Y7S		HN-Y7N[] 600T-S	HN-Y7E[] 600T-S	HN-Y7F[] 600T-S	Three-phase AC380V	
		SV-X6MG550A-B4LA						⑪ ⑭ ⑮ ③①	⑦ ⑩ ⑮				X5						

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

①	SVCAB-ENC075CA-ABS-***L-05	Absolute encoder cable	⑦	CAB-ENC100A-ABS-LW-*M	Absolute encoder cable with battery box, for servo motor with thread
②			⑧	CAB-PWR100A-*M	4-core power cable, for aviation-connector type servo motor of flange 100-130
③	SVCAB-PWR010CA-***L-05	UWW power cable(no brake) 50W~150W	⑨	CAB-PWB100A-*M	9-core power brake cable, for aviation-connector type servo motor of flange 130
④	SVCAB-PWB010CA-***L-05	UWW power cable(with brake) 50W~150W	⑩	CAB-PWD100A-*M	2-core independent brake cable, for aviatio-connector servo motor of flange 100
⑤	SVCAB-PWR075CA-***L-05	UWW power cable(no brake) 200W~1KW	⑰	CAB-PWR400C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
⑥	SVCAB-PWB075CA-***L-05	UWW power cable(with brake) 200W~1KW	⑱	CAB-PWR750C-*M	4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

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

⑪	ENC-TE-LW 1KW	Encoder accessories (10-pin aviationconnector + 1394 connector)
⑫	PWR-CON 1KW	4-pin 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-pin brake power connector
⑮	PWR-CON 7.5KW	4-pin power aviation connector, for flange 180
⑯	PWR-CON-F	2-pin fan power connector

⑰	ENC-TE 750W	2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
⑳	PWR-CON 750W	4-hole power plastic connector
㉑	PWB-CON 750W	2-hole power brake plastic connector
㉒	SVCAB-ENC75A-*M	Absolute encoder cable, for lead-wire servo motor of flange 40-80
㉓	CAB-PWR75A-*M	4-core power cable, for lead-wire servo motor of flange 40-80
㉔	CAB-PWB75A-*M	6-core power brake cable, for lead-wire servo motor of flange 40-80
㉕	SVBOX-ENCABS	Adapter cable with 1394 connector
㉖	SV-BAT	Absolute battery box



Series	Power	Model name	23bit	20bit	Brake	Oil seal	Flange	Shaft diameter	Regular models	Connectors	Cables		Series	Power	Servo drive	[]Control mode [A] Pulse control / [B] EtherCAT / [K]MECHATROLINK-III / [R] Profinet/ [N] CANopen			Power specifications	
			Absolute	Absolute												General-purpose:Y7N[]---				Standard:Y7E[]---/X5E[]---
X6-MGS Low-cogging cutting	850W	SV-X6MG085S-N4LD	●			●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧		X6-MGS Low-cogging cutting	850W	Y7S	HN-Y7N[] 100T-S	HN-Y7E[] 100T-S	HN-Y7F[] 100T-S	Three-phase AC380V	
		SV-X6MG085S-B4LD			●						⑪ ⑫ ⑭ ③①									⑦ ⑧ ⑩
		SV-X6MG085S-N4LA		●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧					X5					
		SV-X6MG085S-B4LA							●	⑪ ⑫ ⑭ ③①										⑦ ⑧ ⑩
	1.3kW	SV-X6MG130S-N4LD	●			●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧				1.3kW	Y7S	HN-Y7N[] 200T-S	HN-Y7E[] 200T-S	HN-Y7F[] 200T-S	Three-phase AC380V
		SV-X6MG130S-B4LD			●					⑪ ⑫ ⑭ ③①	⑦ ⑧ ⑩									
		SV-X6MG130S-N4LA		●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧						X5				
		SV-X6MG130S-B4LA							●	⑪ ⑫ ⑭ ③①										
	1.8kW	SV-X6MG180S-N4LD	●			●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧				1.8kW	Y7S	HN-Y7N[] 300T-S	HN-Y7E[] 300T-S	HN-Y7F[] 300T-S	Three-phase AC380V
		SV-X6MG180S-B4LD			●					⑪ ⑫ ⑭ ③①	⑦ ⑧ ⑩									
		SV-X6MG180S-N4LA		●	●	130	φ22	Aviation connector	⑪ ⑫ ③①	⑦ ⑧						X5				
		SV-X6MG180S-B4LA							●	⑪ ⑫ ⑭ ③①										

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

- ① SVCAB-ENC075CA-ABS-***L-05 Absolute encoder cable
- ②
- ③ SVCAB-PWR010CA-***L-05 UWW power cable(no brake) 50W~150W
- ④ SVCAB-PWB010CA-***L-05 UWW power cable(with brake) 50W~150W
- ⑤ SVCAB-PWR075CA-***L-05 UWW power cable(no brake) 200W~1KW
- ⑥ SVCAB-PWB075CA-***L-05 UWW power cable(with brake) 200W~1KW

Cables for servo motor of flange 100-180

- ⑦ CAB-ENC100A-ABS-LW-*M Absolute encoder cable with battery box, for servo motor with thread
- ⑧ CAB-PWR100A-*M 4-core power cable, for aviation-connector type servo motor of flange 100-130
- ⑨ CAB-PWB100A-*M 9-core power brake cable, for aviation-connector type servo motor of flange 130
- ⑩ CAB-PWD100A-*M 2-core independent brake cable, for aviatio-connector servo motor of flange 100
- ⑪ CAB-PWR400C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 2KW to 5KW
- ⑫ CAB-PWR750C-*M 4-core power cable, for aviation-connector servo motor of flange 180, 5.5KW to 7.5KW

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

- ⑬ ENC-TE-LW 1KW Encoder accessories (10-pin aviationconnector + 1394 connector)
- ⑭ PWR-CON 1KW 4-pin power aviation connector, for flange 100&130
- ⑮ PWR-CON 1KW-9P 9-pin brake power aviation connector, for flange 100&130
- ⑯ PWB-CON- 1KW 2-pin brake power connector
- ⑰ PWR-CON 7.5KW 4-pin power aviation connector, for flange 180
- ⑱ PWR-CON-F 2-pin fan power connector

Other accessories specifications

- ⑲ ENC-TE 750W 2 packs of encoder accessories (6-hole plastic connector + 1394 connector)
- ⑳ PWR-CON 750W 4-hole power plastic connector
- ㉑ PWB-CON 750W 2-hole power brake plastic connector
- ㉒ SVCAB-ENC75A-*M Absolute encoder cable, for lead-wire servo motor of flange 40-80
- ㉓ CAB-PWR75A-*M 4-core power cable, for lead-wire servo motor of flange 40-80
- ㉔ CAB-PWB75A-*M 6-core power brake cable, for lead-wire servo motor of flange 40-80
- ㉕ SVBOX-ENCABS Adapter cable with 1394 connector
- ㉖ SV-BAT Absolute battery box

