M2 Advanced Motor

High Stability ! High Reliability !

- **AC220V**

50W — 2200W

- **AC380V**

850W — 7500W

- **The power range of the M2 AC servo motor covers from 50W to 7500W.**

Naming Rule

M2 - H 080 - S 75B 30C - N C 1 N 1

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

1	Product Series
M2	Advanced

2	Rotational Inertia
A	Low inertia
M	Medium inertia
H	High inertia

3	Motor Flange
040	40mm
060	60mm
080	80mm
130	130mm
180	180mm

4	Rated Voltage
S	220V
T	380V

5	Rated Power
05B	50W
10B	100W
20B	200W
40B	400W
75B	750W
80B	800W
85B	850W
10C	1000W
12C	1200W
13C	1300W
15C	1500W
18C	1800W
20C	2000W
22C	2200W
29C	2900W
30C	3000W
44C	4400W
55C	5500W
75C	7500W
Note： B:x10 C:x100	

6	Rated Speed
15C	1500rpm
20C	2000rpm
30C	3000rpm

7	Encoder Type
N	17-bit Multi-turn Absolute Encoder
P	17-bit Multi-turn Absolute Encoder

8	Wiring Method
C	conductor type
T	terminal type
H	Aviation plug type
F	waterproof type

9	Shaft Type
1	keyway

10	Brake
N	without brake
B	with brake

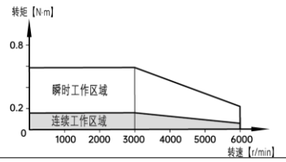
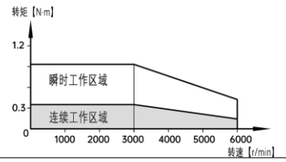
11	Oil Seal
0	without oil seal
1	with oil seal

M2 Advanced Servo Motor

Series	Specifications	Unit	50W	100W	200W	400W	750W	1KW							
M2H Below 80 Flange High Inertia	Flange	mm	□40	□40	□60	□60	□80	□80							
	Rated [Peak Torque]	Nm	0.16[0.48]	0.32[0.96]	0.64[1.92]	1.27[3.81]	2.4[7.2]	3.2[9.6]							
	Inertia: Without Brake [With Brake]	X10^-4Kgm²	0.035[0.038]	0.05[0.053]	0.29[0.32]	0.53[0.56]	1.62[1.72]	2.1[2.2]							
	Speed: Rated [Maximum Speed]	r/min	3000[6000]	3000[6000]	3000[6000]	3000[6000]	3000[6000]	3000[6000]							
	220V Motor Model		M2H040-S05B30C	M2H040-S10B30C	M2H060-S20B30C	M2H060-S40B30C	M2H080-S75B30C	M2H080-S10C30C							
	380V Motor Model		-	-	-	-	-	-							

Series	Specifications							850W	1.3KW	1.8KW	2.2KW	2.9KW	4.4KW	5.5KW	7.5KW
M2H 130/180 Flange High Inertia	Flange	mm						□130	□130	□130	□130	□130	□180	□180	□180
	Rated [Peak Torque]	Nm						5.39[16.17]	8.34[25.02]	11.5[34.5]	14.3[40]	18.6[55.8]	28.4[85.2]	35[105]	48[120]
	Inertia: Without Brake [With Brake]	X10^-4Kgm²						10.9[12.13]	16.9[18.13]	21.4[22.63]	27.1[28.33]	63.5[69.5]	88.5[94.5]	114.4[120.4]	136.6[1142.6]
	Speed: Rated [Maximum Speed]	r/min						1500[3000]	1500[3000]	1500[3000]	1500[3000]	1500[3000]	1500[3000]	1500[3000]	1500[3000]
	220V Motor Model							M2H130-S85B15C	M2H130-S13C15C	M2H130-S18C15C	M2H130-S22C15C				
	380V Motor Model							M2H130-T85B15C	M2H130-T13C15C	M2H130-T18C15C	M2H130-T22C15C	M2H180-T29C15C	M2H180-T44C15C	M2H180-T55C15C	M2H180-T75C15C

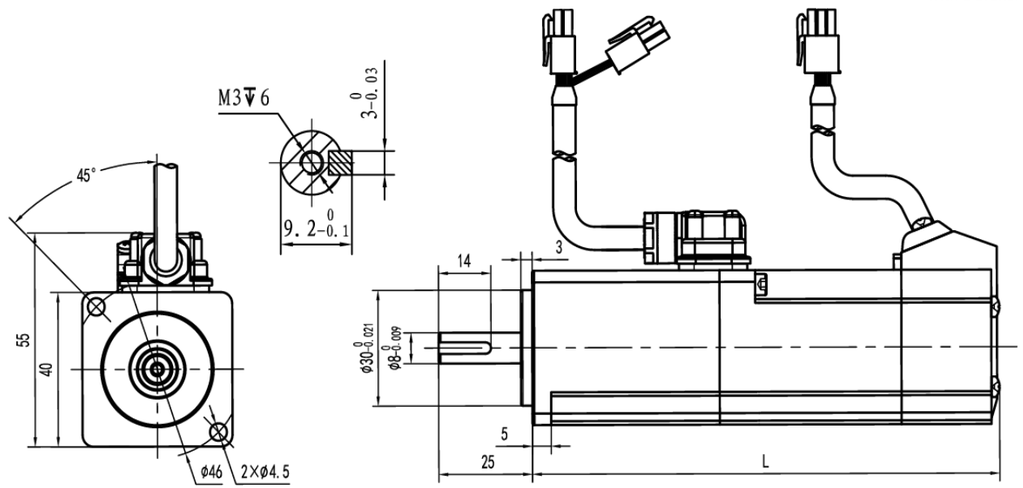
M2H040 AC Servo Motor Technical Parameters 220V/50W-100W

Motor Specification	M2H040-S05B30C-xxxxx	M2H040-S10B30C-xxxxx
Rated Power(W)	50	100
Rated Voltage(V)	220	220
Rated Current(A)	0.6	1.0
Peak Current (A)	1.8	3.0
Rated Speed(r/min)	3000	3000
Peak Speed (r/min)	6000	6000
Rated Torque(N.m)	0.16	0.32
Peak Torque(N.m)	0.48	0.96
Back EMF(V/krpm)	18	19
Torque Constant(N.m/A)	0.27	0.32
Electrical Time Constant(ms)	0.77	0.94
Rotor Inertia(kg.m^{2}X10^{-4})	0.035 (0.038)	0.05 (0.053)
Weight(kg)	0.4 (0.9)	0.5 (1.0)
Brake Power (W)/Brake Current (A)	6.1/0.25	
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature: -20℃~40℃; Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	
Note: The parameters in the brackets are for the motor with a holding brake.		

Selection Comparison Table of M2H040 AC Servo Motor 220V/50W-100W

Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
220V-50W	High inertia	M2H040-S05B30C-NC1N1	•			with	40	Φ14	conductor type	HR3-PR1R6S2 HR3-ER1R6S2 HR5-PR1R6S2 HR5-ER1R6S2 HR5-FR1R6S2
		M2H040-S05B30C-NC1B1	•		•					
	High inertia	M2H040-S05B30C-PC1N1		•						
		M2H040-S05B30C-PC1B1		•	•					
220V-100W	High inertia	M2H040-S10B30C-NC1N1	•			with	40	Φ14	conductor type	HR3-PR1R6S2 HR3-ER1R6S2 HR5-PR1R6S2 HR5-ER1R6S2 HR5-FR1R6S2
		M2H040-S10B30C-NC1B1	•		•					
	High inertia	M2H040-S10B30C-PC1N1		•						
		M2H040-S10B30C-PC1B1		•	•					

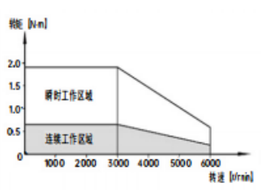
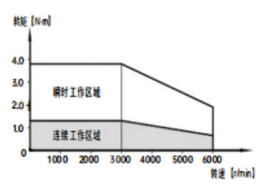
Note: The illustration shows the connector of the motor with a brake.



- **Installation dimensions (mm)**

Outline dimension	50W	100W
L without brake	68.5	79.5
L With brake	101.5	112.5

M2H060 AC Servo Motor Technical Parameters 220V/200W-400W

Motor Specification	M2H060-S20B30C-xxxxx	M2H060-S40B30C-xxxxx
Rated Power(W)	200	400
Rated Voltage(V)	220	220
Rated Current(A)	1.4	2.5
Peak Current (A)	4.2	7.5
Rated Speed(r/min)	3000	3000
Peak Speed (r/min)	6000	6000
Rated Torque(N.m)	0.64	1.27
Peak Torque(N.m)	1.92	3.81
Back EMF(V/krpm)	31.7	33
Torque Constant(N.m/A)	0.46	0.45
Electrical Time Constant(ms)	1.88	2.05
Rotor Inertia(kg.m^{2}X10^{-4})	0.29 (0.32)	0.53 (0.56)
Weight(kg)	1.0 (1.3)	1.3 (1.7)
Brake Power (W)/Brake Current (A)	7.6/0.31	
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature: -20℃~40℃; Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	
Note: The parameters in the brackets are for the motor with a holding brake.		

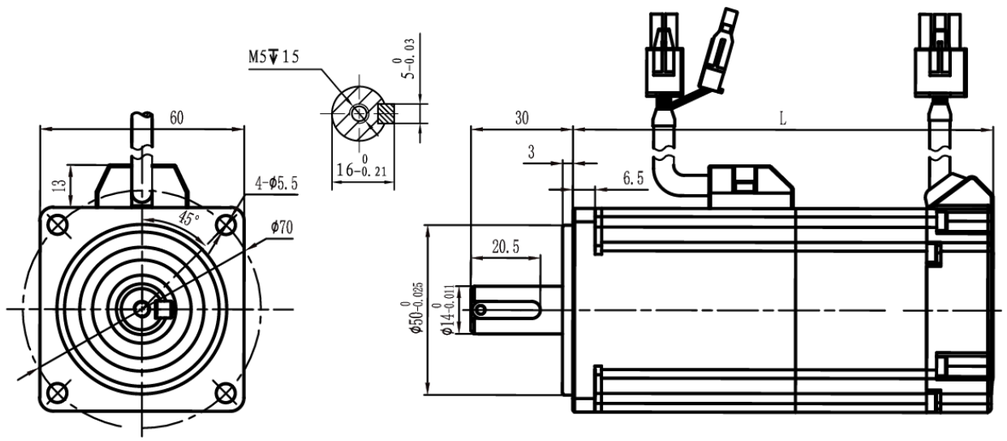
Selection comparison table for M2H060 AC servo motors 220V/200W-400W

Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
220V-200W	High inertia	M2H060-S20B30C-NC1N1	•			with	60	Φ14	conductor type	HR3-PR1R6S2 HR3-ER1R6S2 HR5-PR1R6S2 HR5-ER1R6S2 HR5-FR1R6S2
		M2H060-S20B30C-NC1B1	•		•					
	High inertia	M2H060-S20B30C-PC1N1		•						
		M2H060-S20B30C-PC1B1		•	•					
220V-400W	High inertia	M2H060-S40B30C-NC1N1	•			with	60	Φ14	conductor type	HR3-PR2R8S2 HR3-ER2R8S2 HR5-PR2R8S2 HR5-ER2R8S2 HR5-FR2R8S2
		M2H060-S40B30C-NC1B1	•		•					
	High inertia	M2H060-S40B30C-PC1N1		•						
		M2H060-S40B30C-PC1B1		•	•					

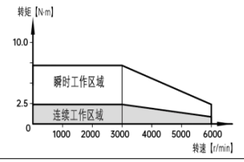
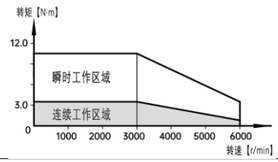
Note: The illustration shows the connector of the motor with a brake.

- **Installation dimensions (mm)**

Outline dimension	200W	400W
L without brake	77.2	93.7
L With brake	109.2	125.7



M2H080 AC Servo Motor Technical Parameters 220V/750W-1KW

Motor Specification	M2H080-S75B30C-xxxxx	M2H080-S10C30C-xxxxx
Rated Power(W)	750	1000
Rated Voltage(V)	220	220
Rated Current(A)	4.4	5.7
Peak Current (A)	13.2	18
Rated Speed(r/min)	3000	3000
Peak Speed (r/min)	6000	6000
Rated Torque(N.m)	2.4	3.2
Peak Torque(N.m)	7.2	9.6
Back EMF(V/krpm)	33	35
Torque Constant(N.m/A)	0.54	0.6
Electrical Time Constant(ms)	4.2	4.4
Rotor Inertia(kg.m^{2}X10^{-4})	1.5 (1.6)	2.0 (2.2)
Weight(kg)	2.5 (3.5)	3.2 (4.2)
Brake Power (W)/Brake Current (A)	8.5/0.35	
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature: -20℃~40℃; Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	

Note: The parameters in the brackets are for the motor with a holding brake.

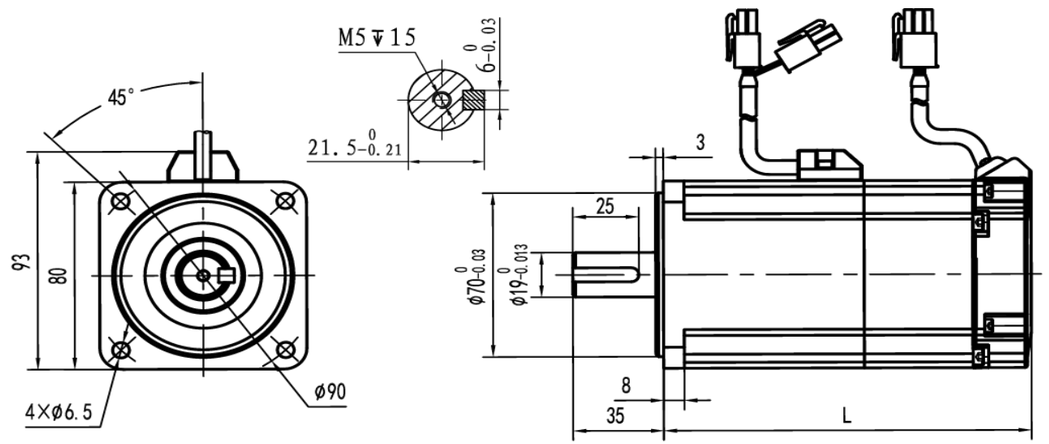
Selection comparison table for M2H080 AC servo motors 220V/750W-1KW

Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
220V -750W	High inertia	M2H080-S75B30C-NC1N1	•			with	80	Φ19	conductor type	HR3-PR5R5S2 HR3-ER5R5S2 HR5-PR5R5S2 HR5-ER5R5S2 HR5-FR5R5S2
		M2H080-S75B30C-NC1B1	•		•					
	High inertia	M2H080-S75B30C-PC1N1		•						
		M2H080-S75B30C-PC1B1		•	•					
220V -1KW	High inertia	M2H080-S10C30C-NC1N1	•			with	80	Φ19	conductor type	HR3-PR7R6S2 HR3-ER7R6S2 HR5-PR7R6S2 HR5-ER7R6S2 HR5-FR7R6S2
		M2H080-S10C30C-NC1B1	•		•					
	High inertia	M2H080-S10C30C-PC1N1		•						
		M2H080-S10C30C-PC1B1		•	•					

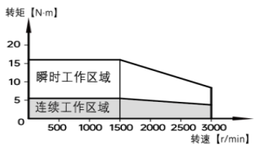
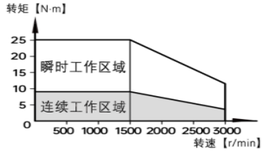
Note: The illustration shows the connector of the motor with a brake.

Installation dimensions (mm)

Outline dimension	750W	1KW
L without brake	105	119
L With brake	142	156



M2H130 AC Servo Motor Technical Parameters 220V/850W-1.3KW

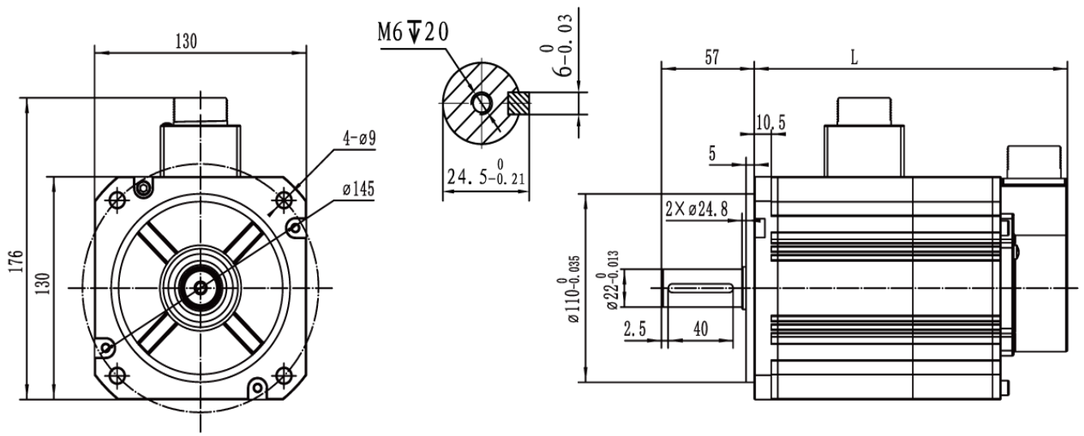
Motor Specification	M2H130-S85B15C-xxxxx	M2H130-S13C15C-xxxxx
Rated Power(W)	850	1300
Rated Voltage(V)	220	220
Rated Current(A)	6.9	10.7
Peak Current (A)	20.7	32.1
Rated Speed(r/min)	1500	1500
Peak Speed (r/min)	3000	3000
Rated Torque(N.m)	5.39	8.34
Peak Torque(N.m)	16.17	25.02
Back EMF(V/krpm)	50	52
Torque Constant(N.m/A)	0.78	0.78
Electrical Time Constant(ms)	5	6.4
Rotor Inertia(kg.m^{2}X10^{-4})	10.9（12.13）	16.9（18.13）
Weight(kg)	5.7（7.4）	8.0（9.1）
Brake Power (W)/Brake Current (A)	23/0.95	23/0.95
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature：-20℃~40℃； Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	
Note: The parameters in the brackets are for the motor with a holding brake.		

Selection comparison table for M2H130 AC servo motors 220V/850W-1.3KW

Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
220V-850W	High inertia	M2H130-S85B15C-NH1N1	•			with	130	Φ22	conductor type	HR3-PR7R6S2 HR3-ER7R6S2 HR5-PR7R6S2 HR5-ER7R6S2 HR5-FR7R6S2
		M2H130-S85B15C-NH1B1	•		•					
	High inertia	M2H130-S85B15C-PH1N1		•						
		M2H130-S85B15C-PH1B1		•	•					
220V-1.3KW	High inertia	M2H130-S13C15C-NH1N1	•			with	130	Φ22	conductor type	HR3-PR012S2 HR5-PR012S2 HR5-ER012S2 HR5-FR012S2
		M2H130-S13C15C-NH1B1	•		•					
	High inertia	M2H130-S13C15C-PH1N1		•						
		M2H130-S13C15C-PH1B1		•	•					

Installation dimensions (mm)

Outline dimension	850W	1.3KW
L without brake	135	152.5
L With brake	187	204.5



M2H130 AC Servo Motor Technical Parameters 220V/1.8KW-2.2KW

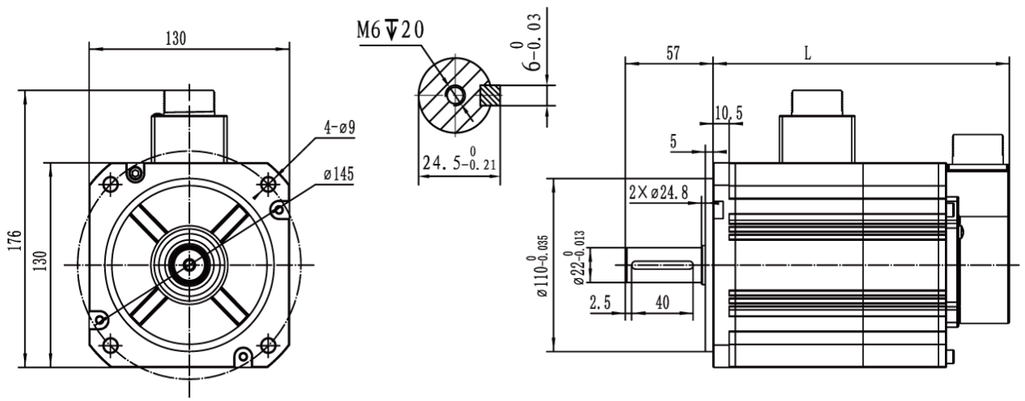
Motor Specification	M2H130-S18C15C-xxxxx	M2H130-S22C15C-xxxxx
Rated Power(W)	1800	2200
Rated Voltage(V)	220	220
Rated Current(A)	13.8	14.5
Peak Current (A)	41.4	40.6
Rated Speed(r/min)	1500	1500
Peak Speed (r/min)	3000	3000
Rated Torque(N.m)	11.5	14.3
Peak Torque(N.m)	34.5	40
Back EMF(V/krpm)	52	67
Torque Constant(N.m/A)	0.83	0.98
Electrical Time Constant(ms)	7.14	5.8
Rotor Inertia(kg.m^{2}X10^{-4})	21.4 (22.63)	27.1 (28.33)
Weight(kg)	9.3 (11.3)	10.5 (12.7)
Brake Power (W)/Brake Current (A)	23/0.95	23/0.95
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature: -20℃~40℃; Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	
Note: The parameters in the brackets are for the motor with a holding brake.		

Selection comparison table for M2H130 AC servo motors 220V/1.8KW-2.2KW

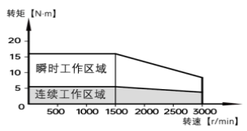
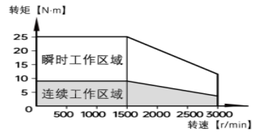
Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
220V-1.8KW	High inertia	M2H130-S18C15C-NH1N1	•			with	130	Φ22	conductor type	HR3-PR014S2 HR5-PR014S2 HR5-ER014S2 HR5-FR014S2
		M2H130-S18C15C-NH1B1	•		•					
	High inertia	M2H130-S18C15C-PH1N1		•						
		M2H130-S18C15C-PH1B1		•	•					
220V-2.2KW	High inertia	M2H130-S22C15C-NH1N1	•			with	130	Φ22	conductor type	HR3-PR014S2 HR5-PR014S2 HR5-ER014S2 HR5-FR014S2
		M2H130-S22C15C-NH1B1	•		•					
	High inertia	M2H130-S22C15C-PH1N1		•						
		M2H130-S22C15C-PH1B1		•	•					

- **Installation dimensions (mm)**

Outline dimension	1.8KW	2.2KW
L without brake	170	200
L With brake	222	252



M2H130 AC Servo Motor Technical Parameters 380V/850W-1.3KW

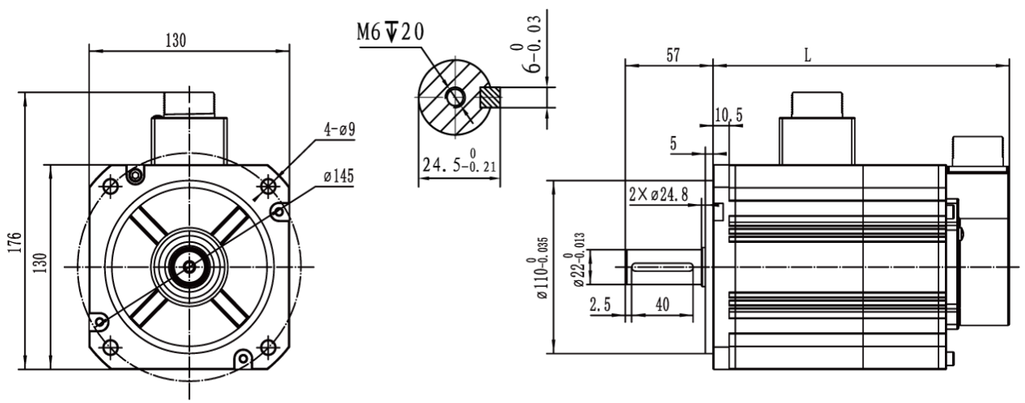
Motor Specification	M2H130-T85B15C-xxxxx	M2H130-T13C15C-xxxxx
Rated Power(W)	850	1300
Rated Voltage(V)	380	380
Rated Current(A)	4	6
Peak Current (A)	12	18
Rated Speed(r/min)	1500	1500
Peak Speed (r/min)	3000	3000
Rated Torque(N.m)	5.39	8.34
Peak Torque(N.m)	16.17	25.02
Back EMF(V/krpm)	85	92
Torque Constant(N.m/A)	1.35	1.39
Electrical Time Constant(ms)	6.2	6.8
Rotor Inertia(kg.m^{2}X10^{-4})	10.9 (12.13)	16.9 (18.13)
Weight(kg)	5.7 (7.4)	8.0 (9.1)
Brake Power (W)/Brake Current (A)	23/0.95	23/0.95
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature: -20℃~40℃; Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	
Note: The parameters in the brackets are for the motor with a holding brake.		

Selection comparison table for M2H130 AC servo motors 380V/850W-1.3KW

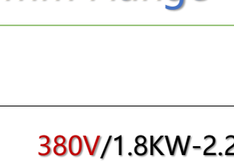
Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
380V-850W	High inertia	M2H130-T85B15C-NH1N1	•			with	130	Φ22	conductor type	HR3-PR5R4T3 HR5-PR5R4T3 HR5-ER5R4T3 HR5-FR5R4T3
		M2H130-T85B15C-NH1B1	•		•					
	High inertia	M2H130-T85B15C-PH1N1		•						
		M2H130-T85B15C-PH1B1		•	•					
380V-1.3KW	High inertia	M2H130-T13C15C-NH1N1	•			with	130	Φ22	conductor type	HR3-PR8R4T3 HR5-PR8R4T3 HR5-ER8R4T3 HR5-FR8R4T3
		M2H130-T13C15C-NH1B1	•		•					
	High inertia	M2H130-T13C15C-PH1N1		•						
		M2H130-T13C15C-PH1B1		•	•					

- **Installation dimensions (mm)**

Outline dimension	850W	1.3KW
L without brake	135	152.5
L With brake	187	204.5



M2H130 AC Servo Motor Technical Parameters 380V/1.8KW-2.2KW

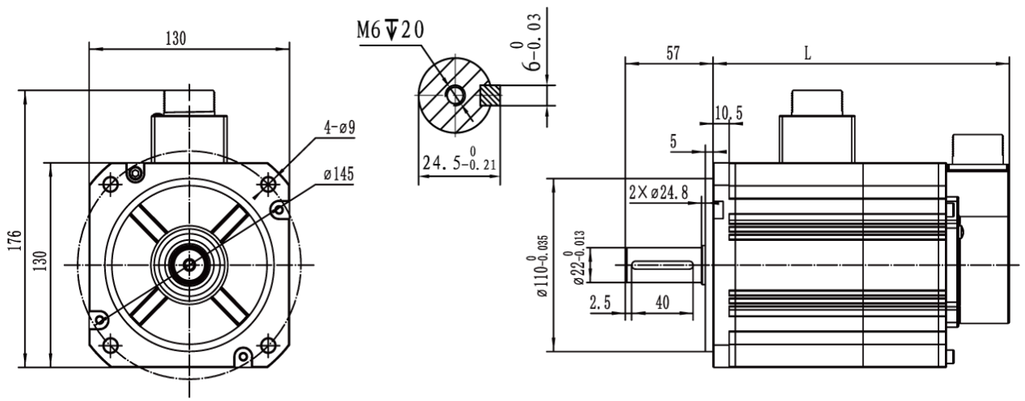
Motor Specification	M2H130-T18C15C-xxxxx	M2H130-T22C15C-xxxxx
Rated Power(W)	1800	2200
Rated Voltage(V)	380	380
Rated Current(A)	8.5	11
Peak Current (A)	25.5	30.7
Rated Speed(r/min)	1500	1500
Peak Speed (r/min)	3000	3000
Rated Torque(N.m)	11.5	14.3
Peak Torque(N.m)	34.5	40
Back EMF(V/krpm)	90	90
Torque Constant(N.m/A)	1.35	1.3
Electrical Time Constant(ms)	6.9	6.5
Rotor Inertia(kg.m^{2}X10^{-4})	21.4 (22.63)	27.1 (28.33)
Weight(kg)	9.3 (11.3)	10.5 (12.7)
Brake Power (W)/Brake Current (A)	23/0.95	23/0.95
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature: -20℃~40℃; Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	
Note: The parameters in the brackets are for the motor with a holding brake.		

Selection comparison table for M2H130 AC servo motors 380V/1.8KW-2.2KW

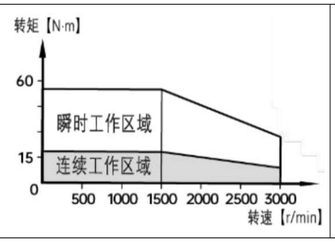
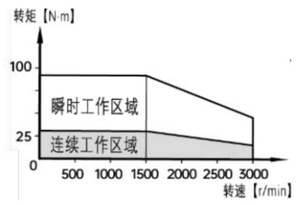
Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
380V-1.8KW	High inertia	M2H130-T18C15C-NH1N1	•			with	130	Φ22	conductor type	HR3-PR8R4T3 HR5-PR8R4T3 HR5-ER8R4T3 HR5-FR8R4T3
		M2H130-T18C15C-NH1B1	•		•					
	High inertia	M2H130-T18C15C-PH1N1		•						
		M2H130-T18C15C-PH1B1		•	•					
380V-2.2KW	High inertia	M2H130-T22C15C-NH1N1	•			with	130	Φ22	conductor type	HR5-PR012T3 HR5-ER012T3 HR5-FR012T3
		M2H130-T22C15C-NH1B1	•		•					
	High inertia	M2H130-T22C15C-PH1N1		•						
		M2H130-T22C15C-PH1B1		•	•					

- **Installation dimensions (mm)**

Outline dimension	1.8KW	2.2KW
L without brake	170	200
L With brake	222	252



M2H180 AC Servo Motor Technical Parameters 380V/2.9KW-4.4KW

Motor Specification	M2H180-T29C15C-xxxxx	M2H180-T44C15C-xxxxx
Rated Power(W)	2900	4400
Rated Voltage(V)	380	380
Rated Current(A)	11.9	16.5
Peak Current (A)	35.7	49.5
Rated Speed(r/min)	1500	1500
Peak Speed (r/min)	3000	3000
Rated Torque(N.m)	18.6	28.4
Peak Torque(N.m)	55.8	85.2
Back EMF(V/krpm)	100	104
Torque Constant(N.m/A)	1.56	1.72
Electrical Time Constant(ms)	12.3	11.9
Rotor Inertia(kg.m^{2}X10^{-4})	63.5(69.5)	88.5(94.5)
Weight(kg)	16.7(21.2)	21.1(25.6)
Brake Power (W)/Brake Current (A)	50/2.08	
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature：-20℃~40℃； Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	

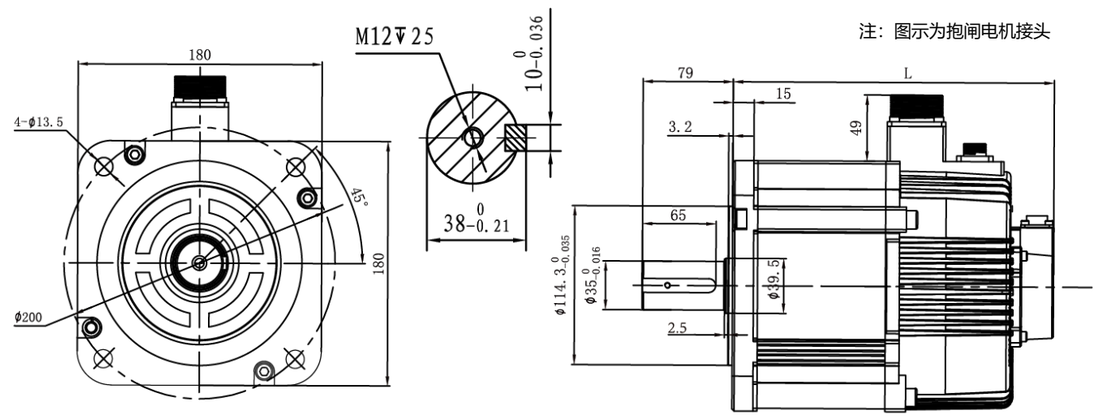
Note: The parameters in the brackets are for the motor with a holding brake.

Selection comparison table for M2H180 AC servo motors 380V/2.9KW-4.4KW

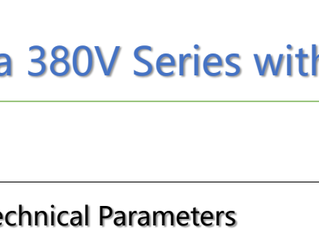
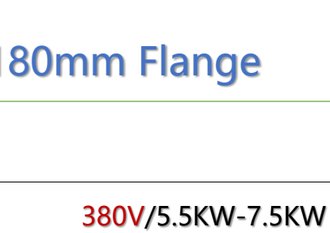
Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
380V-2.9KW	High inertia	M2H180-T29C15C-NH1N1	•			with	180	Φ35	conductor type	HR5-PR012T3 HR5-ER012T3 HR5-FR012T3
		M2H180-T29C15C-NH1B1	•		•					
	High inertia	M2H180-T29C15C-PH1N1		•						
		M2H180-T29C15C-PH1B1		•	•					
380V-4.4KW	High inertia	M2H180-T44C15C-NH1N1	•			with	180	Φ35	conductor type	HR5-PR017T3 HR5-ER017T3 HR5-FR017T3
		M2H180-T44C15C-NH1B1	•		•					
	High inertia	M2H180-T44C15C-PH1N1		•						
		M2H180-T44C15C-PH1B1		•	•					

- **Installation dimensions (mm)**

Outline dimension	2.9KW	4.4KW
L without brake	205	232
L With brake	252	279



M2H180 AC Servo Motor Technical Parameters 380V/5.5KW-7.5KW

Motor Specification	M2H180-T55C15C-xxxxx	M2H180-T75C15C-xxxxx
Rated Power(W)	5500	7500
Rated Voltage(V)	380	380
Rated Current(A)	20.8	26
Peak Current (A)	62.4	65
Rated Speed(r/min)	1500	1500
Peak Speed (r/min)	3000	3000
Rated Torque(N.m)	35	48
Peak Torque(N.m)	105	120
Back EMF(V/krpm)	100	106
Torque Constant(N.m/A)	1.68	1.85
Electrical Time Constant(ms)	11.9	12.1
Rotor Inertia(kg.m^{2}X10^{-4})	114.4(120.4)	136.6(142.6)
Weight(kg)	25.6(30.1)	30.8(35.3)
Brake Power (W)/Brake Current (A)	50/2.08	
Torque characteristic		
Motor insulation class	F	
Protection class	IP65	
Operating environment	Environmental temperature：-20℃~40℃; Environmental humidity: Relative humidity < 90% (under non - frosting conditions)	

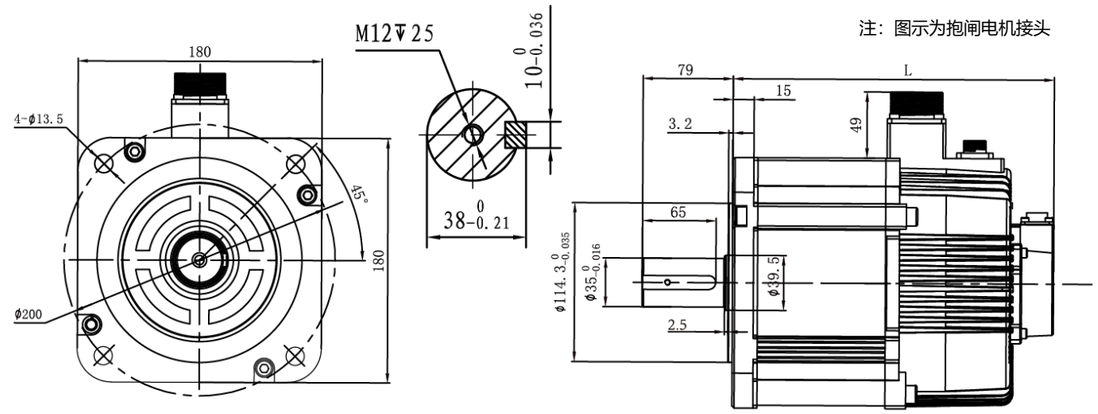
Note: The parameters in the brackets are for the motor with a holding brake.

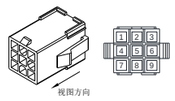
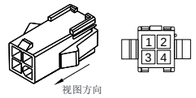
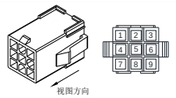
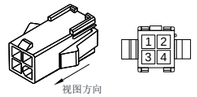
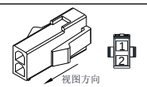
Selection comparison table for M2H180 AC servo motors 380V/5.5KW-7.5KW

Motor power	Inertia	Motor model	17-bit multi-turn encoder	23-bit multi-turn encoder	brake	Oil Seal	Flange	Shaft diameter	Cable outlet	Compatible servo
380V-5.5KW	High inertia	M2H180-T55C15C-NH1N1	•			with	180	Φ35	conductor type	HR5-PR021T3 HR5-ER021T3 HR5-FR021T3
		M2H180-T55C15C-NH1B1	•		•					
	High inertia	M2H180-T55C15C-PH1N1		•						
		M2H180-T55C15C-PH1B1		•	•					
380V-7.5KW	High inertia	M2H180-T75C15C-NH1N1	•			with	180	Φ35	conductor type	HR5-PR026T3 HR5-ER026T3 HR5-FR026T3
		M2H180-T75C15C-NH1B1	•		•					
	High inertia	M2H180-T75C15C-PH1N1		•						
		M2H180-T75C15C-PH1B1		•	•					

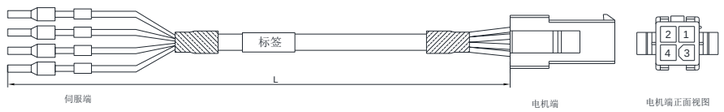
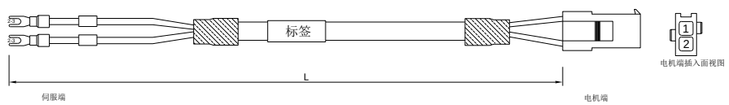
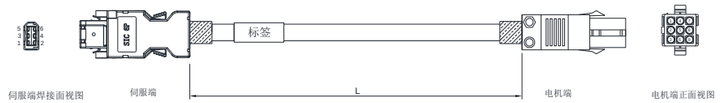
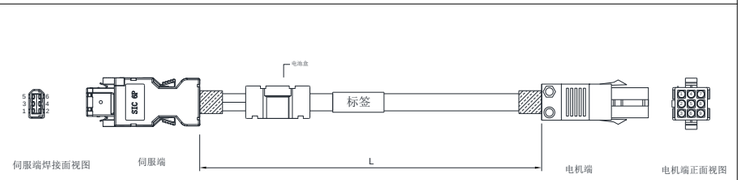
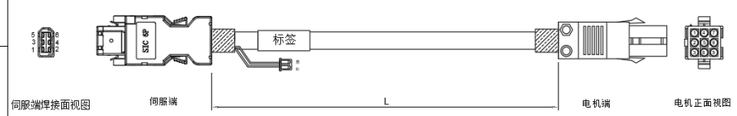
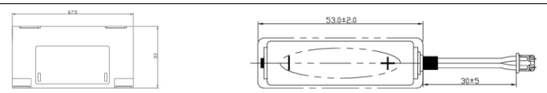
- **Installation dimensions (mm)**

Outline dimension	5.5KW	7.5KW
L without brake	260	284
L With brake	307	331



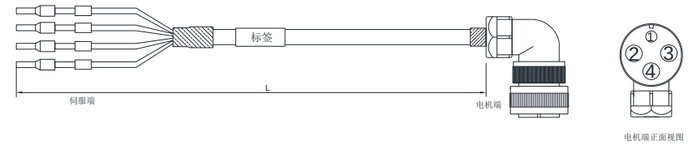
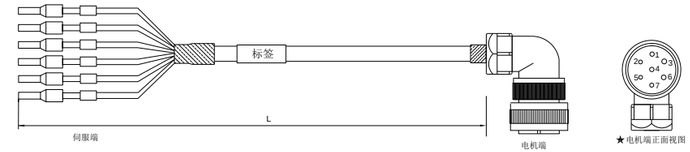
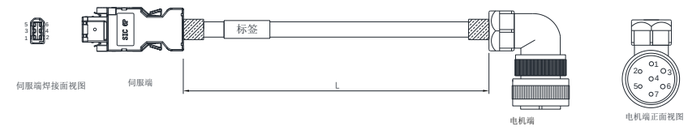
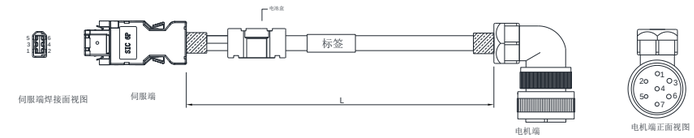
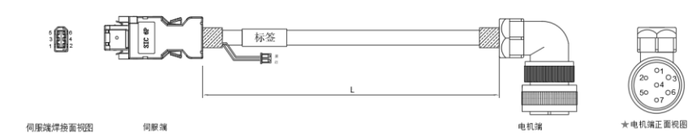
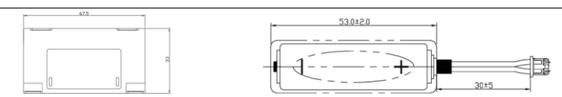
Order Model Number	Specifications for Connector Accessories
MT-080-CON	Motor Connector Kit for Flange Sizes Below 80 (Non-Brake) | AMP
	 AMP 9pin  AMP 4pin
MT-080-CONB	Motor Connector Kit for Flange Sizes Below 80 (With Brake) | AMP
	 AMP 9pin  AMP 4pin  AMP 2pin

Order Model Number	Specifications for Connector Accessories
MT-130-HCON	Motor Connector Kit for Size 130 (Non-Brake) | Aviation Plug
	 7-Pin Aviation Plug for Encoder  4-Pin Aviation Plug for 130 Power Cable
MT-130-HCONB	Motor Connector Kit for Size 130 (With Brake) | Aviation Plug
	 7-Pin Aviation Plug for Encoder  7-Pin Aviation Plug for 130 Power Cable
MT-180-HCON	Motor Connector Kit for Size 180 (Non-Brake) | Aviation Plug
	 7-Pin Aviation Plug for Encoder 
MT-180-HCONB	Motor Connector Kit for Size 180 (With Brake) | Aviation Plug
	 7-Pin Aviation Plug for Encoder  4-Pin Aviation Plug for 180 Power Cable  4-Pin Aviation Plug for Brake

Type	Flexible	Cable Model Number	Cable Specifications for Flange Sizes Below 80
Power Cable	Standard	SC-M211B-□	
	High Flexibility	SC-M211H-□	
Brake Cable	Standard	SC-H311B-□	
	High Flexibility	SC-H311H-□	
Single-Turn Encoder Cable	Standard	SC-E211B-□	
	High Flexibility	SC-E211H-□	
Multi-Turn Encoder Cable (with Battery)	Standard	SC-E221B-□	
	High Flexibility	SC-E221H-□	
Multi-Turn Encoder Cable (without Battery)	Standard	SC-E231B-□	
	High Flexibility	SC-E231H-□	
Battery Module	-	ST-B1	

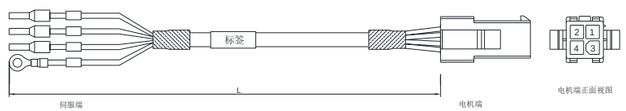
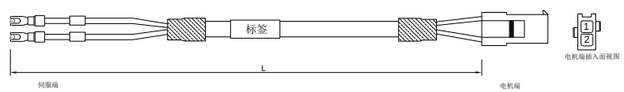
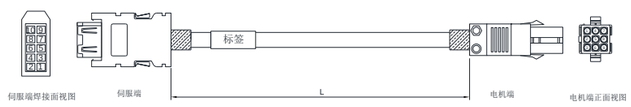
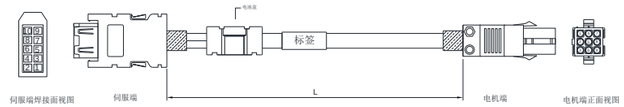
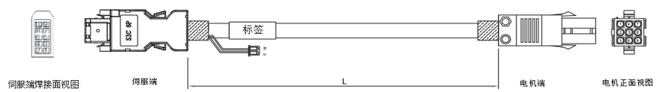
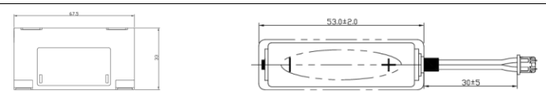
indicates cable length: for example, =3.0 means the cable length is 3 meters. Standard specifications: 3.0m/5.0m/10.0m;

Note 1: For motors with brake and flange sizes below 80, both power cable and brake cable need to be selected.

Type	Flexible	Cable Model Number	Cable Specifications for Flange Sizes Below 80
Power Cable for Non-Brake Motors	Standard	SC-M222B-□	
	High Flexibility	SC-M222H-□	
Power Cable for Motors with Brake	Standard	SC-B225B-□	
	High Flexibility	SC-B225H-□	
Single-Turn Encoder Cable	Standard	SC-E214B-□	
	High Flexibility	SC-E214H-□	
Multi-Turn Encoder Cable (with Battery)	Standard	SC-E224B-□	
	High Flexibility	SC-E224H-□	
Multi-Turn Encoder Cable (without Battery)	Standard	SC-E234B-□	
	High Flexibility	SC-E234H-□	
Battery Module	-	ST-B1	

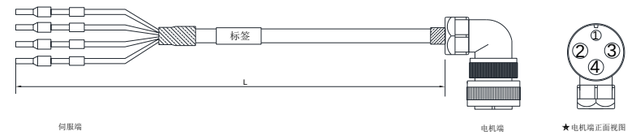
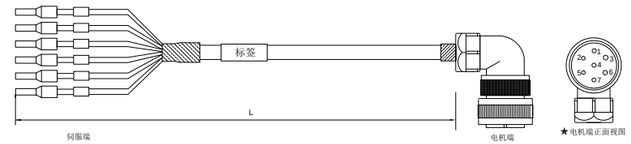
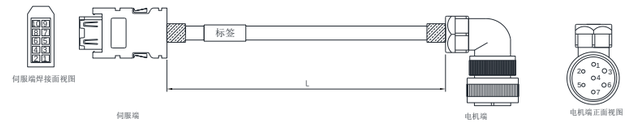
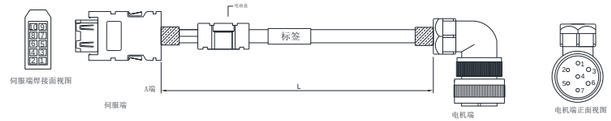
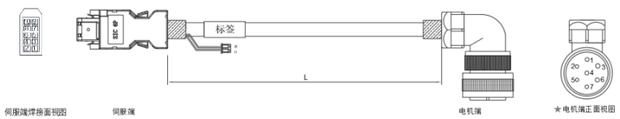
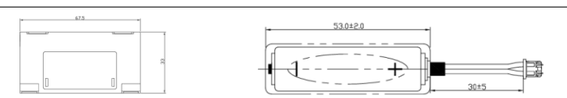
indicates cable length: for example, =3.0 means the cable length is 3 meters. Standard specifications: 3.0m/5.0m/10.0m;

Note 1: For motors with brake and flange size 130, only the power cable for motors with brake needs to be selected.

Type	Flexible	Cable Model Number	Cable Specifications for Flange Sizes Below 80
Power Cable	Standard	SC-M111B-□	
	High Flexibility	SC-M111H-□	
Brake Cable	Standard	SC-H311B-□	
	High Flexibility	SC-H311H-□	
Single-Turn Encoder Cable	Standard	SC-E111B-□	
	High Flexibility	SC-E111H-□	
Multi-Turn Encoder Cable (with Battery)	Standard	SC-E121B-□	
	High Flexibility	SC-E121H-□	
Multi-Turn Encoder Cable (without Battery)	Standard	SC-E131B-□	
	High Flexibility	SC-E131H-□	
Battery Module	-	ST-B1	

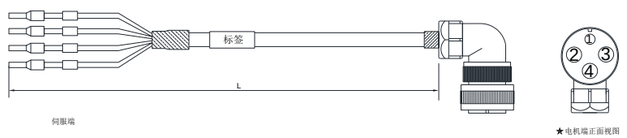
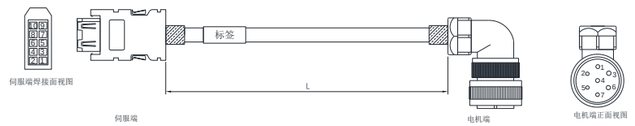
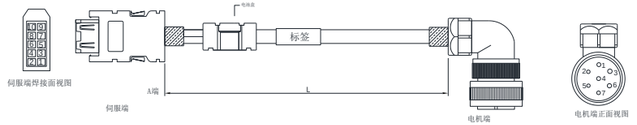
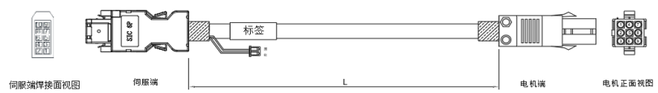
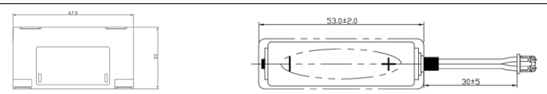
indicates cable length: for example, =3.0 means the cable length is 3 meters. Standard specifications: 3.0m/5.0m/10.0m;

Note 1: For motors with brake and flange sizes below 80, both power cable and brake cable need to be selected.

Type	Flexible	Cable Model Number	Cable Specifications for Flange Sizes Below 80
Power Cable for Non-Brake Motors	Standard	SC-M222B-□	
	High Flexibility	SC-M222H-□	
Power Cable for Motors with Brake	Standard	SC-B225B-□	
	High Flexibility	SC-B225H-□	
Single-Turn Encoder Cable	Standard	SC-E114B-□	
	High Flexibility	SC-E114H-□	
Multi-Turn Encoder Cable (with Battery)	Standard	SC-E124B-□	
	High Flexibility	SC-E124H-□	
Multi-Turn Encoder Cable (without Battery)	Standard	SC-E134B-□	
	High Flexibility	SC-E134H-□	
Battery Module	-	ST-B1	

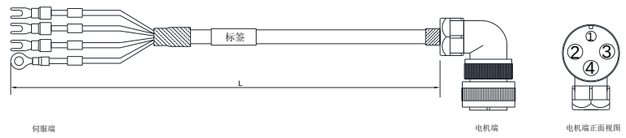
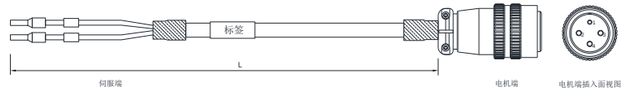
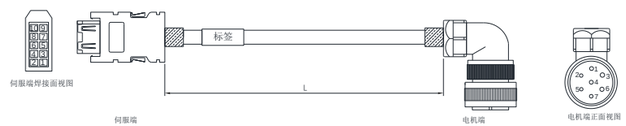
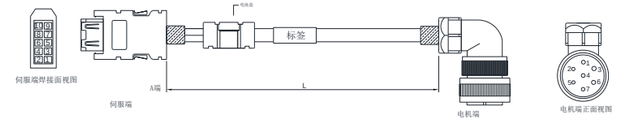
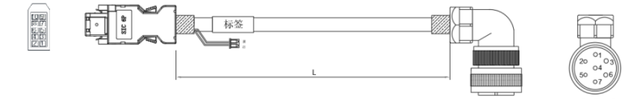
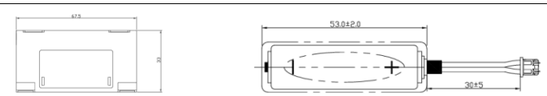
indicates cable length: for example, =3.0 means the cable length is 3 meters. Standard specifications: 3.0m/5.0m/10.0m;

Note 1: For motors with brake and flange size 130, only the power cable for motors with brake needs to be selected.

Type	Flexible	Cable Model Number	Cable Specifications for Flange Sizes Below 80
Power Cable	Standard	SC-M223B-□	
	High Flexibility	SC-M223H-□	
Brake Cable	Standard	SC-H212B-□	
	High Flexibility	SC-H212H-□	
Single-Turn Encoder Cable	Standard	SC-E114B-□	
	High Flexibility	SC-E114H-□	
Multi-Turn Encoder Cable (with Battery)	Standard	SC-E124B-□	
	High Flexibility	SC-E124H-□	
Multi-Turn Encoder Cable (without Battery)	Standard	SC-E134B-*	
	High Flexibility	SC-E134H-□	
Battery Module	-	ST-B1	

indicates cable length: for example, =3.0 means the cable length is 3 meters. Standard specifications: 3.0m/5.0m/10.0m;

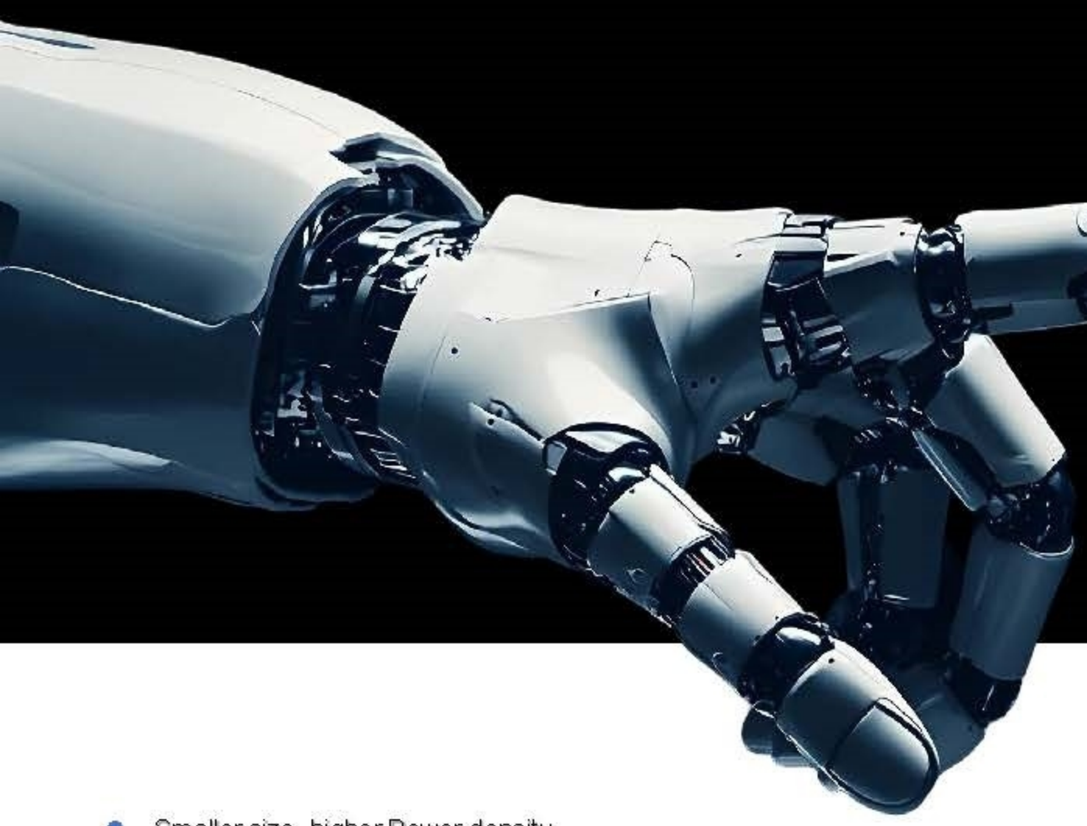
Note 1: For motors with brake and flange size 180, both power cable and brake cable need to be selected.

Type	Flexible	Cable Model Number	Cable Specifications for Flange Sizes Below 80
Power Cable	Standard	SC-M333B-□	
	High Flexibility	SC-M333H-□	
Brake Cable	Standard	SC-H212B-□	
	High Flexibility	SC-H212H-□	
Single-Turn Encoder Cable	Standard	SC-E114B-□	
	High Flexibility	SC-E114H-□	
Multi-Turn Encoder Cable (with Battery)	Standard	SC-E124B-□	
	High Flexibility	SC-E124H-□	
Multi-Turn Encoder Cable (without Battery)	Standard	SC-E134B-□	
	High Flexibility	SC-E134H-□	
Battery Module	-	ST-B1	

indicates cable length: for example, =3.0 means the cable length is 3 meters. Standard specifications: 3.0m/5.0m/10.0m;

Note 1: For motors with brake and flange size 180, both power cable and brake cable need to be selected.

精彩系列



HX Drive

Future

Create more possibilities with you

- Smaller size, higher Power density
- Supports EtherCAT, CANopen and other mainstream communication methods.
- Support A/B/Z increment encoder, resolver, Tamagawa absolute encoder, BISS-C encoder and other protocols type encoder.
- Applicable to robotics, AGV, medical, semiconductor industries.

HX-25A

DC14-60V/25A

HX-100A

DC400V/100A

DC100V/130A