



Product for Field Test

Newsletter Date: 05.02 .2025

1. Product Introduction: X5 series servo

The power range supported for testing: 100W to 2.5 kW (Input voltage: 220 V)

SV-X5 E B 040 A - A 0 - 00

1 2 3 4 5 6 7 8

1 Product series

2 Models	
E	Standard type
F	Full-functional type

3 Control type	
A	Pulse
B	EtherCAT
N	CANopen
R	PROFINET

4 Power	
010	100W
020	200W
040	400W
075	750W
100	1KW
150	1.5KW
200	2KW
250	2.5KW
300	3.0KW
500	5.0KW
750	7.5KW

5 Voltage type	
A	220V
T	380V

6 Control power type	
A	AC

7 Version iteration	
0	By default

8 Hardware identification	
00	By default
CO	EB/FB frequency division models (customized)
GS	FA gantry co-drive models (customized)

● **AC220V** 
100W 2.5KW

Funcitons		Pulse		EtherCAT bus		CanOpen bus		PROFINET bus	
		Full-functional FA	Standard EA	Full-functional FB	Standard EB	Full-functional FN	Standard EN	Full-functional FR	Standard ER
Hardware interface	CN1 second encoder	✓	-	-	-	-	-	-	-
	CN2 STO	✓	-	✓	-	✓	-	✓	-
	CN4/CN5 communication	RS485	RS485	EtherCAT	EtherCAT	RS485/CANopen	RS485/CANopen	PROFINET	PROFINET
	CN6 I/O interface	44pin	44pin	15pin	15pin	44pin	44pin	15pin	15pin
Hardware functions	PC communication	USB/RS485	USB/RS485	USB	USB	USB	USB	USB	USB
	Number of I/Os	8DI/5DO	8DI/5DO	5DI/3DO	5DI/3DO	8DI/5DO	8DI/5DO	5DI/3DO	5DI/3DO
	Analog input	2AI	2AI	-	-	2AI	-	-	-
	Analog output	-	-	-	-	-	-	-	-
	Pulse frequency division output	✓	✓	FB-CO/EB-CO supported	FB-CO/EB-CO supported	✓	✓	-	-
	Dynamic braking	✓	✓	✓	✓	✓	✓	✓	✓
Software functions	Full closed-loop function	✓	-	-	-	-	-	-	-
	Gantry synchronization	FA-GS supported	-	-	-	-	-	-	-
	Internal positioning	✓	✓	-	-	✓	✓	-	-





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■ 220V AC Basic specifications

Items		Specifications 220V							
Models SV-X5E□***A-A0-00 Note1		010	020	040	075	100	150	200	250
Power(W)		100	200	400	750	1000	1500	2000	2500
Rated current(Arms)		1.2	2	3	4.5	6	10	12.5	15.6
Max. output current(Arms)		3.6	6	9	13.5	18	30	37.5	37.5
Power Specifications		Single-phase 200~240V 50~60Hz					Three-phase 200~240V 50~60Hz		
Standard regenerative resistor	Resistance(Ω)	-	-	-	-	-	40	40	40
	Capacity(W)	-	-	-	-	-	100	100	100
External regeneration resistor		Resistance(Ω)	≥45	≥45	≥45	≥40	≥40	≥30	≥30
Overvoltage level		III							

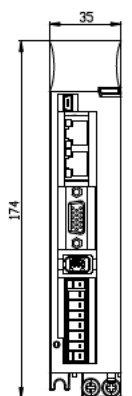
Note: □ indicates the control type, A is pulse type, B is EtherCAT, N is CANopen, R is PROFINET.

Note: 1.5kW to 2.5kW supports single phase input, set P06.30=1 to use with single phase

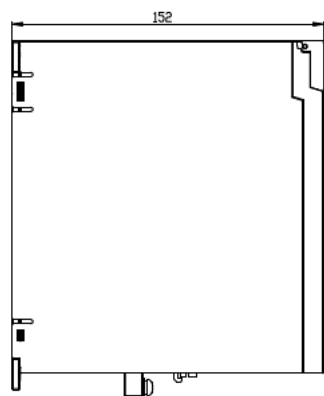
EB/FB EtherCAT type & ER/FR Profinet type

100W/200W/400W External dimension(mm)

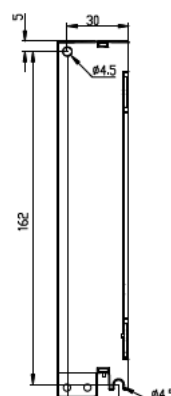
Weight: 0.75KG



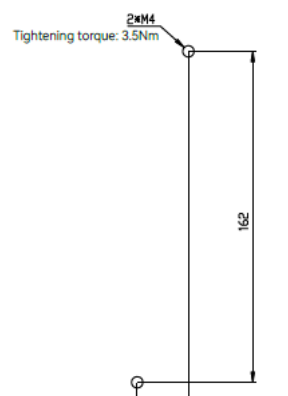
Main view



Left view



Back view



Mounting hole diagram

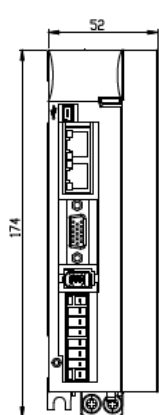




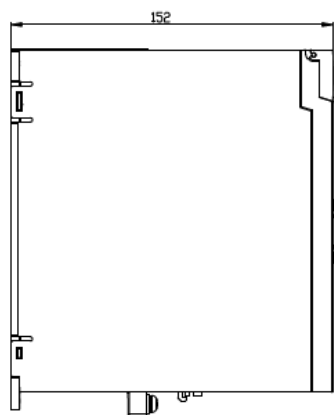
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750W/1KW External dimension(mm)

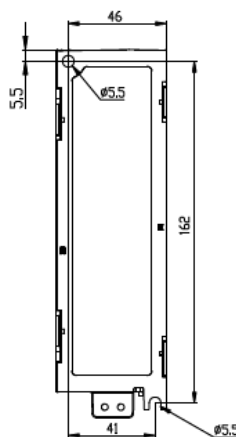
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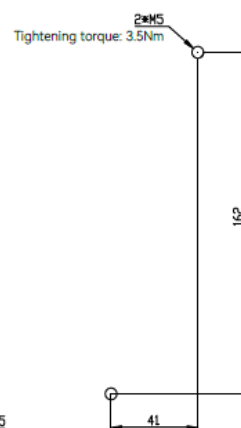
Main view



Left view



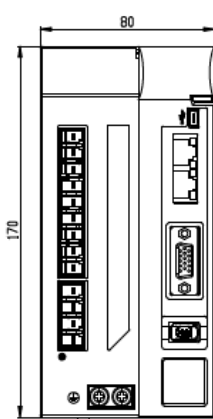
Back view



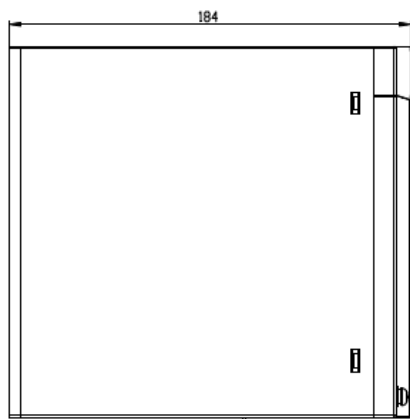
Mounting hole diagram

1.5KW/2.0KW/2.5KW External dimension(mm)

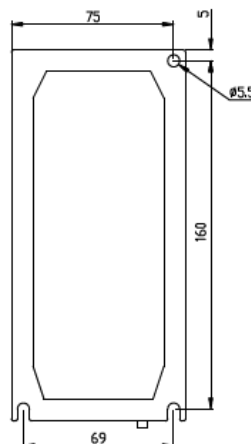
Weight: 1.75KG



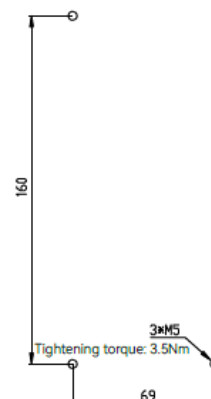
Main view



Left view



Back view



Mounting hole diagram



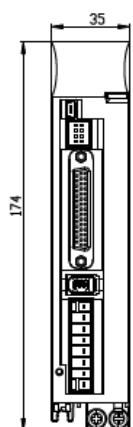


Product for Field Test

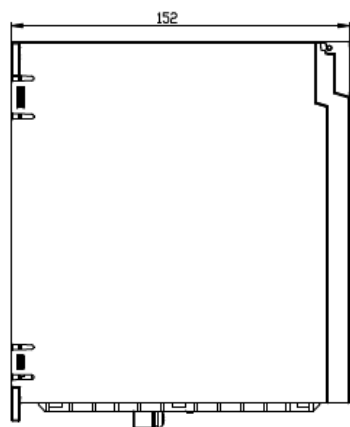
EA/FA Pulse type & EN/FN CANopen type

100W/200W/400W External dimension(mm)

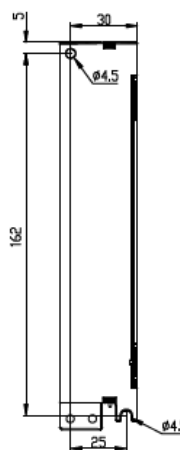
Weight: 0.75KG



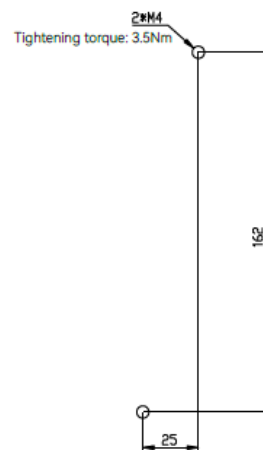
Main view



Left view



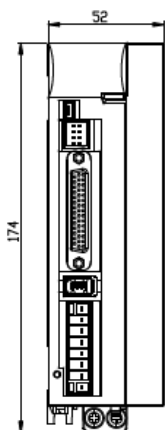
Back view



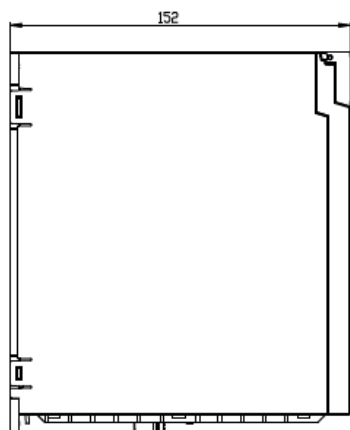
Mounting hole diagram

750W/1KW External dimension(mm)

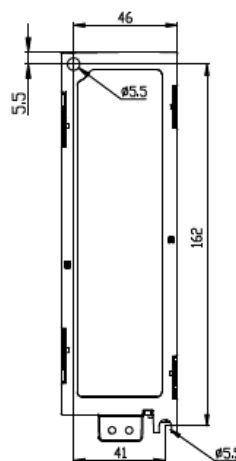
Weight: 1.1KG



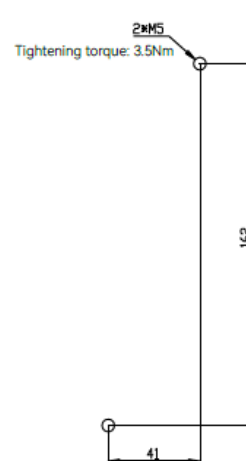
Main view



Left view



Back view



Mounting hole diagram

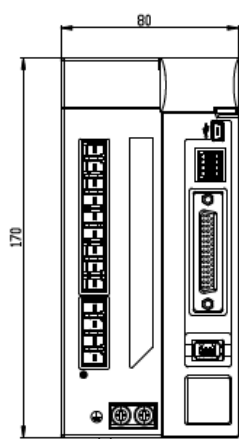




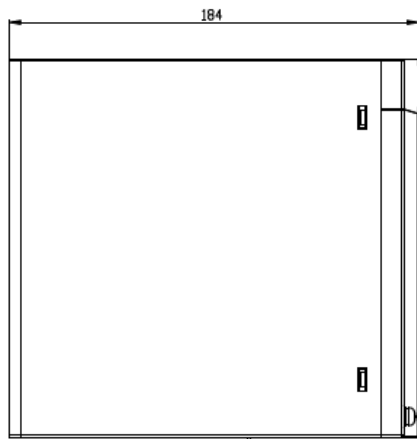
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1.5KW/2.0KW/2.5KW External dimension(mm)

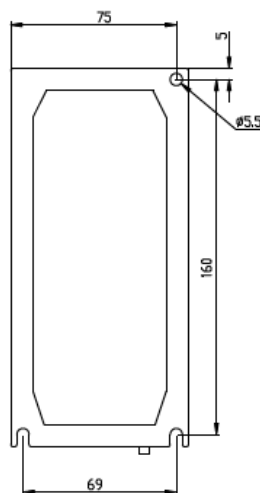
Weight: 1.75KG



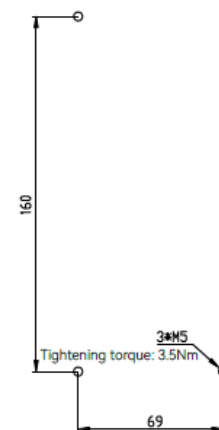
Main view



Left view



Back view



Mounting hole diagram





Product for Field Test

2. Release Model:

Servo	Model	Max. order quantity
X5□B EtherCAT Type	SV-X5□B010A-A0-00	10
	SV-X5□B020A-A0-00	10
	SV-X5□B040A-A0-00	10
	SV-X5□B075A-A0-00	10
	SV-X5□B100A-A0-00	10
	SV-X5□B150A-A0-00	10
	SV-X5□B200A-A0-00	10
	SV-X5□B250A-A0-00	10
X5□R PROFINET Type	SV-X5□R010A-A0-00	10
	SV-X5□R020A-A0-00	10
	SV-X5□R040A-A0-00	10
	SV-X5□R075A-A0-00	10
	SV-X5□R100A-A0-00	10
	SV-X5□R150A-A0-00	10
	SV-X5□R200A-A0-00	10
	SV-X5□R250A-A0-00	10

Note: E in □ is the standard type and F is the full-function type.





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Servo	Model	Max. order quantity
X5□A Pulse Type	SV-X5□A010A-A0-00	10
	SV-X5□A020A-A0-00	10
	SV-X5□A040A-A0-00	10
	SV-X5□A075A-A0-00	10
	SV-X5□A100A-A0-00	10
	SV-X5□A150A-A0-00	10
	SV-X5□A200A-A0-00	10
	SV-X5□A250A-A0-00	10
X5□N CANopen Type	SV-X5□N010A-A0-00	10
	SV-X5□N020A-A0-00	10
	SV-X5□N040A-A0-00	10
	SV-X5□N075A-A0-00	10
	SV-X5□N100A-A0-00	10
	SV-X5□N150A-A0-00	10
	SV-X5□N200A-A0-00	10
	SV-X5□N250A-A0-00	10

Note: E in □ is the standard type and F is the full-function type.

