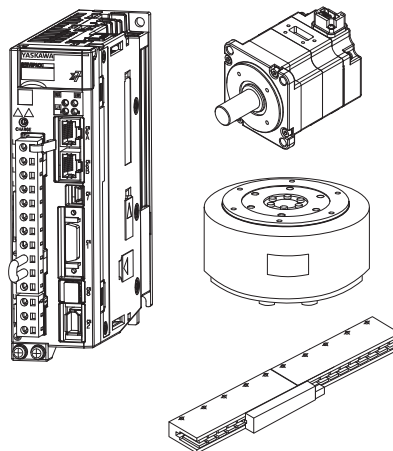


YASKAWA

Σ-7-Series AC Servo Drive Σ-7S SERVOPACK with EtherCAT (CoE) Communications References Product Manual

Model: SGD7S-□□□□A0□□□



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Selecting a SERVOPACK

2

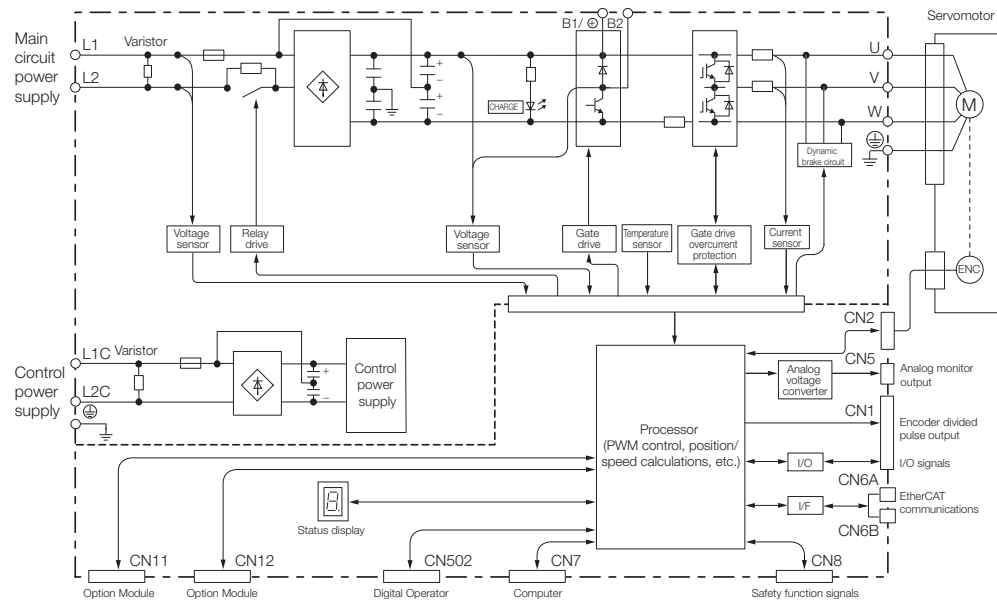
This chapter provides information required to select SERVOPACKs, such as specifications, block diagrams, dimensional drawings, and connection examples.

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2.2 Block Diagrams

2.2.10 SGD7S-2R8F

2.2.10 SGD7S-2R8F



2.3 External Dimensions

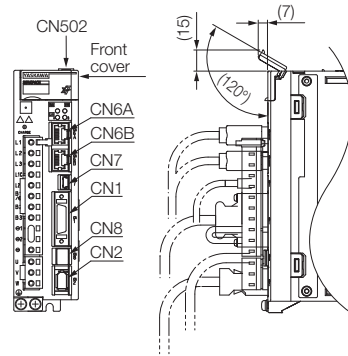
2.3.1 Front Cover Dimensions and Connector Specifications

2.3 External Dimensions

2.3.1 Front Cover Dimensions and Connector Specifications

The front cover dimensions and panel connector section are the same for all models. Refer to the following figures and table.

• Front Cover Dimensions



• Connector Specifications

Connector No.	Model	Number of Pins	Manufacturer
CN1	10226-59A3MB	26	3M Japan Limited
CN2	3E106-0220KV	6	3M Japan Limited
CN502	S8B-ZR-SM4A-TF(LF)(SN)	8	J.S.T. Mfg. Co., Ltd.
CN6A/B	1903815-1	8	TE Connectivity Japan G.K.
CN7	2172034-1	5	TE Connectivity Japan G.K.
CN8	1981080-1	8	TE Connectivity Japan G.K.

Note: The above connectors or their equivalents are used for the SERVOPACKs.

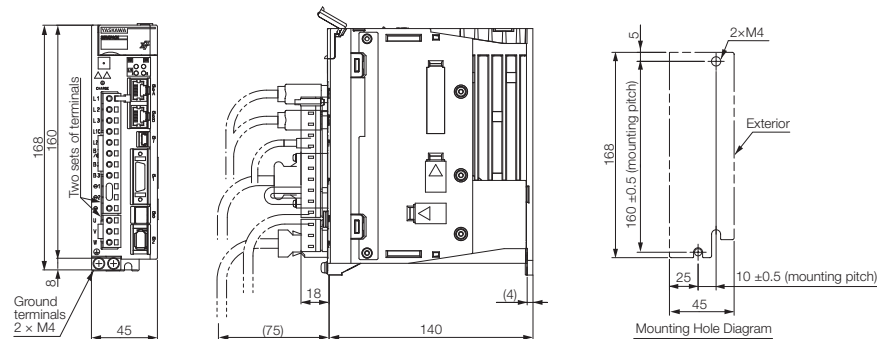
Selecting a SERVOPACK

2

2.3.2 SERVOPACK External Dimensions

Base-mounted SERVOPACKs

• Three-phase, 200 VAC: SGD7S-R70A, -R90A, and -1R6A

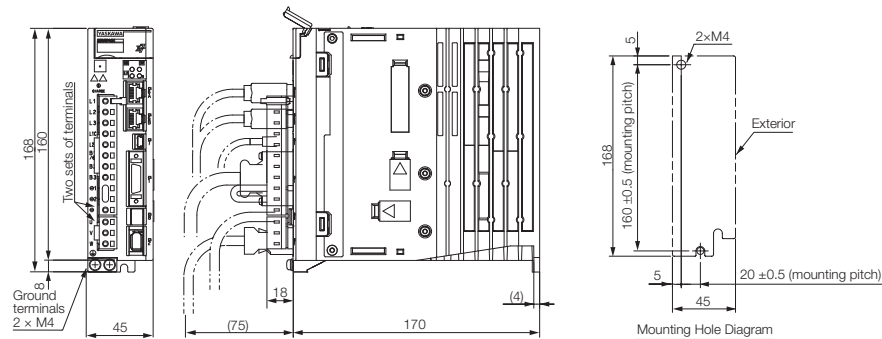


Approx. mass: 0.9 kg
Unit: mm

2.3 External Dimensions

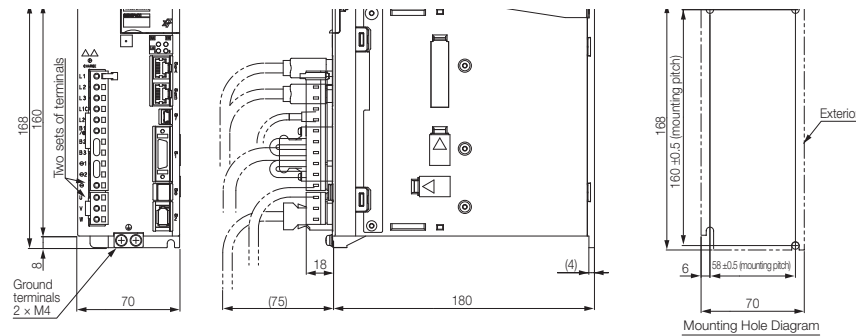
2.3.2 SERVOPACK External Dimensions

- Three-phase, 200 VAC: SGD7S-2R8A; Single-Phase, 100 VAC: SGD7S-R70F, -R90F, and -2R1F



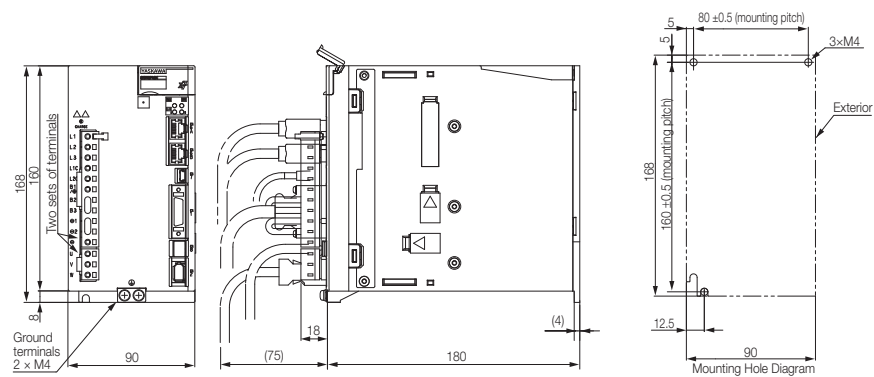
Approx. mass: 1.1 kg
Unit: mm

- Three-phase, 200 VAC: SGD7S-3R8A, -5R5A, and -7R6A; Single-Phase, 100 VAC: SGD7S-2R8F



Approx. mass:
SGD7S-3R8A, -5R5A, -7R6A: 1.6 kg
SGD7S-2R8F: 1.5 kg
Unit: mm

- Three-phase, 200 VAC: SGD7S-120A

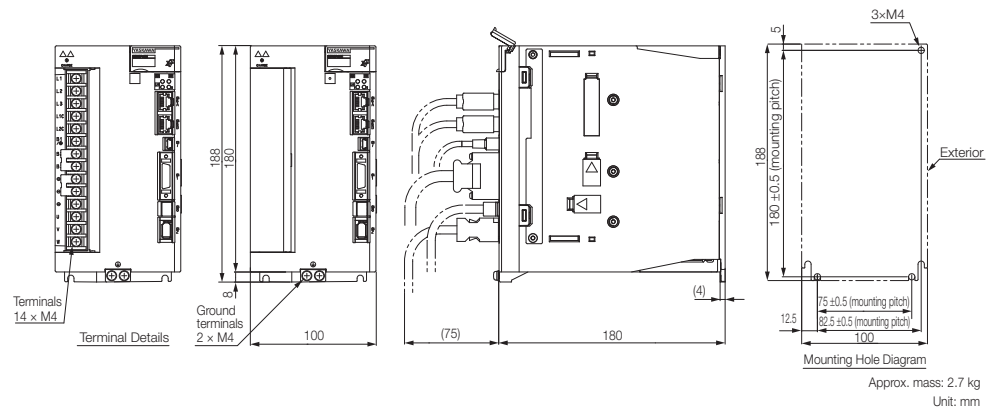


Approx. mass: 2.2 kg
Unit: mm

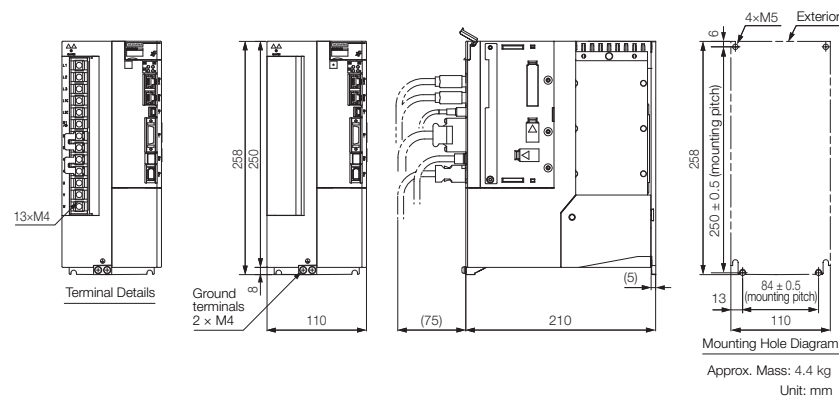
2.3 External Dimensions

2.3.2 SERVOPACK External Dimensions

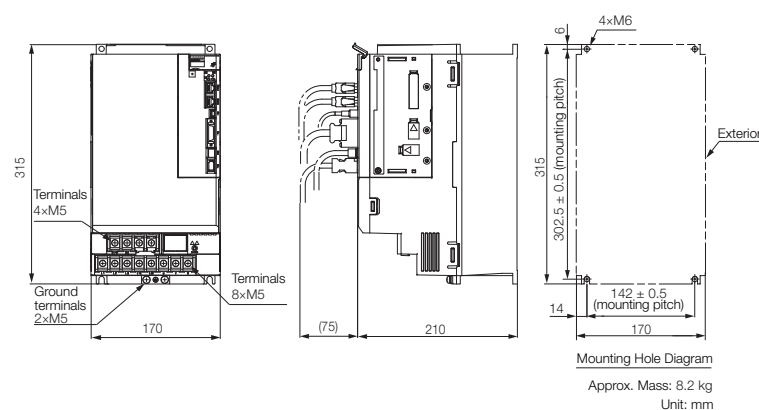
- Three-phase, 200 VAC: SGD7S-180A and -200A; Single-phase, 200 VAC: SGD7S-120AA0A008



- Three-phase, 200 VAC: SGD7S-330A



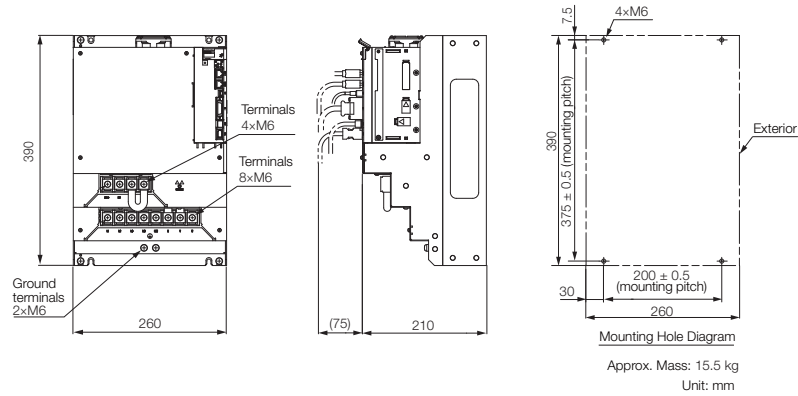
- Three-phase, 200 VAC: SGD7S-470A and -550A



2.3 External Dimensions

2.3.2 SERVOPACK External Dimensions

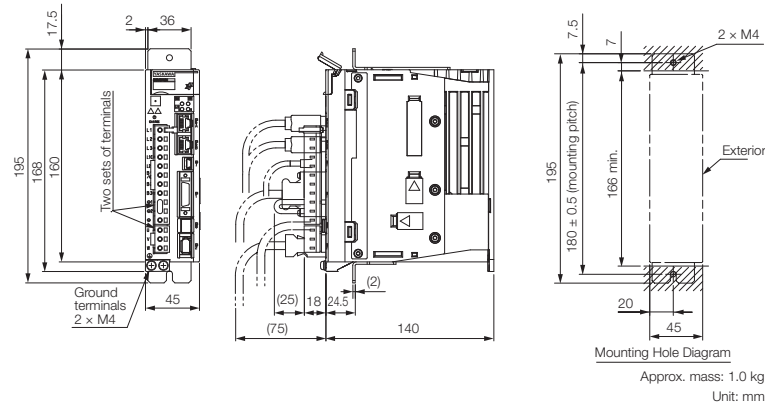
- Three-phase, 200 VAC: SGD7S-590A and -780A



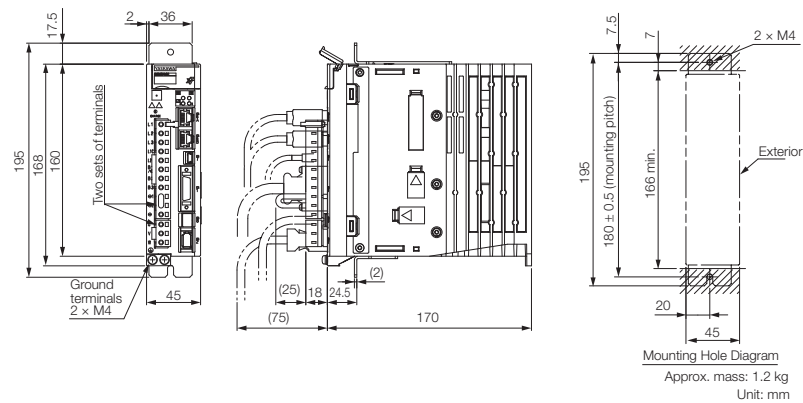
Rack-mounted SERVOPACKs

Hardware Option Code: 001

- Three-phase, 200 VAC: SGD7S-R70A, -R90A, and -1R6A



- Three-phase, 200 VAC: SGD7S-2R8A; Single-phase, 100 VAC: SGD7S-R70F, -R90F, and -2R1F



2.3.2 SERVOPACK External Dimensions

- Approx. mass:
SGD7S-3R8A, -5R5A, -7R6A: 1.7 kg
SGD7S-2R8F: 1.6 kg
Unit: mm

- Approx. mass: 2.3 kg
Unit: mm

- Approx. mass: 2.8 kg
Unit: mm



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