

CHAPTER 2 STORAGE AND INSTALLATION

2-1 Storage

The drive should be kept in the shipping carton before installation. In order to retain the warranty coverage, the Drive should be stored properly when it is not to be used for an extended period of time.

Ambient Conditions:

Operation	Air Temperature: -10°C to +50°C (14°F to 122°F) Atmosphere pressure: 86 to 106 kPa Installation Site Altitude: below 1000m Vibration: Maximum 9.80 m/s ² (1G) at less than 20Hz Maximum 5.88 m/s ² (0.6G) at 20Hz to 50Hz
Storage	Temperature: -20°C to +60°C (-4°F to 140°F) Relative Humidity: Less than 98%, no condensation allowed Atmosphere pressure: 86 to 106 kPa
Transportation	Temperature: -20°C to +60°C (-4°F to 140°F) Relative Humidity: Less than 98%, no condensation allowed Atmosphere pressure: 86 to 106 kPa Vibration: Maximum 9.80 m/s ² (1G) at less than 20Hz, Maximum 5.88m/s ² (0.6G) at 20Hz to 50Hz
Pollution Degree 2: good for a factory type environment.	

2-2 Installation



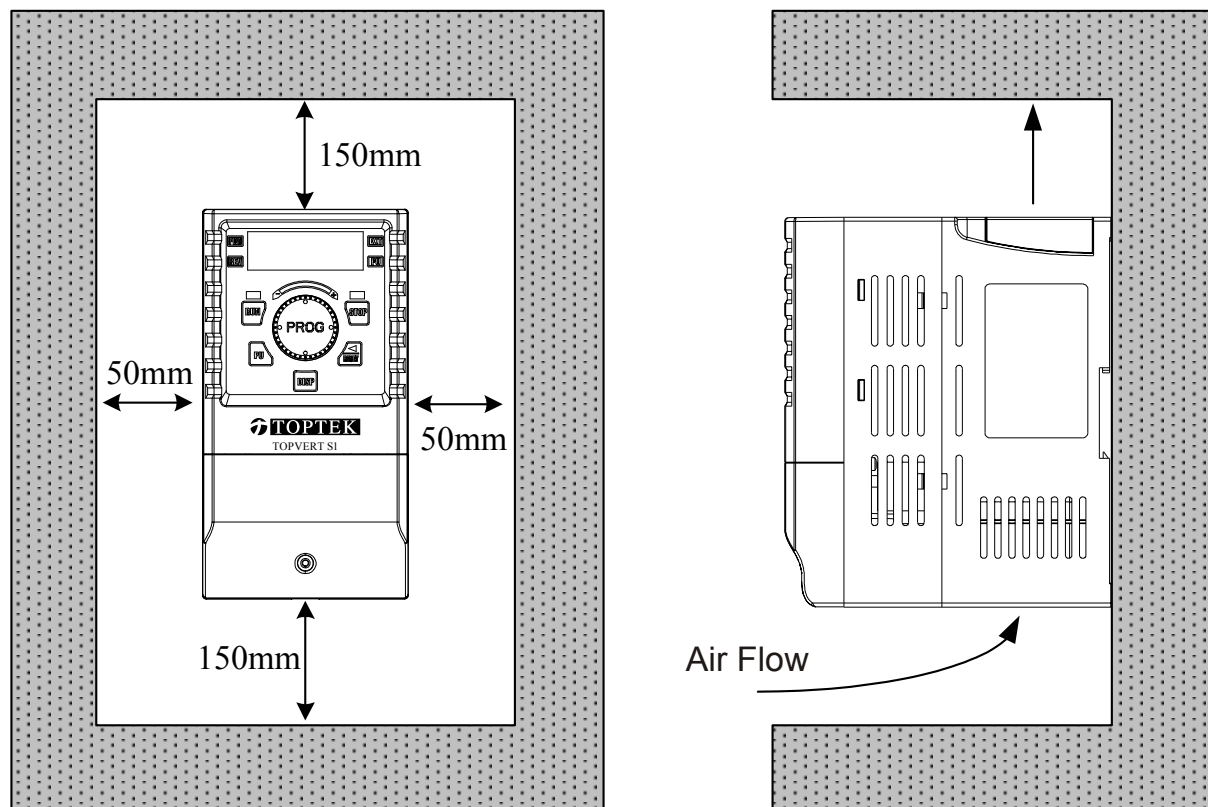
CAUTION

The control, power supply and motor leads must be laid separately. They must not be fed through the same cable conduit / trenching.
High voltage insulation test equipment must not be used on cables connected to the drive.

Improper installation of the Drive will greatly reduce its life. Be sure to observe the following precautions when selecting a mounting location.

Failure to observe these precautions may void the warranty!

The Drive generates heat. Allow sufficient space around the unit for heat dissipation. Mount the Drive vertically and do not restrict the air flow to the heat sink fins.



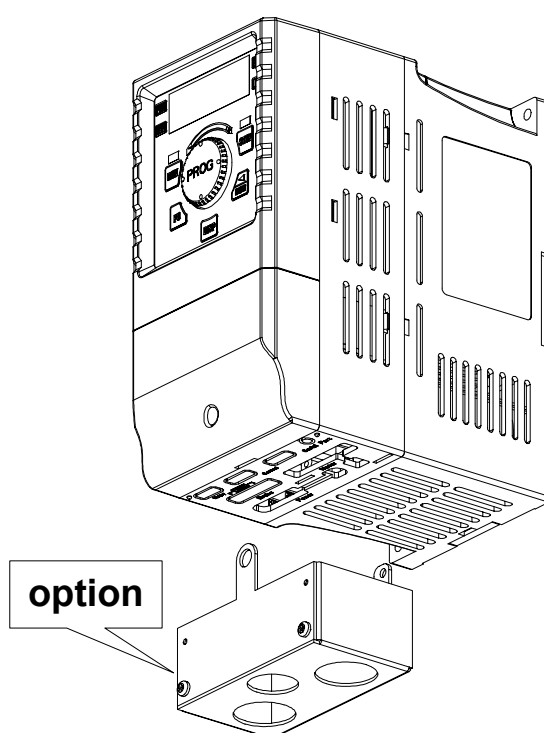
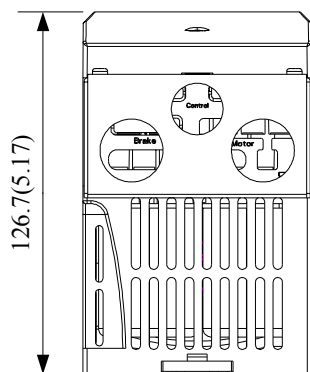
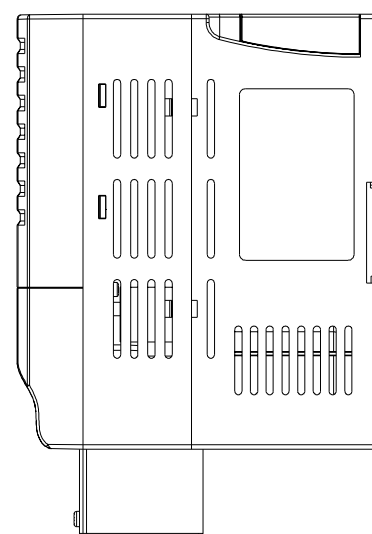
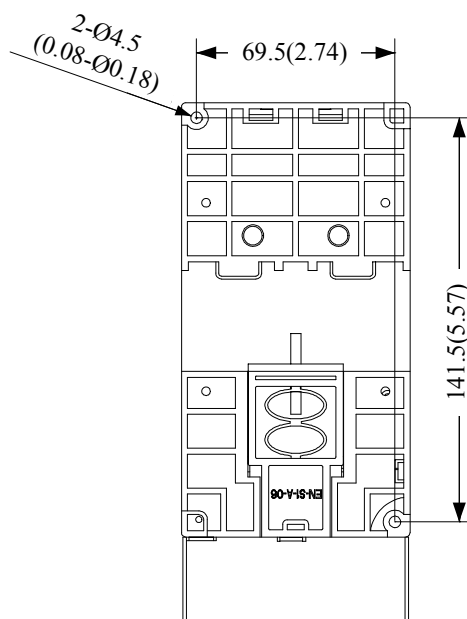
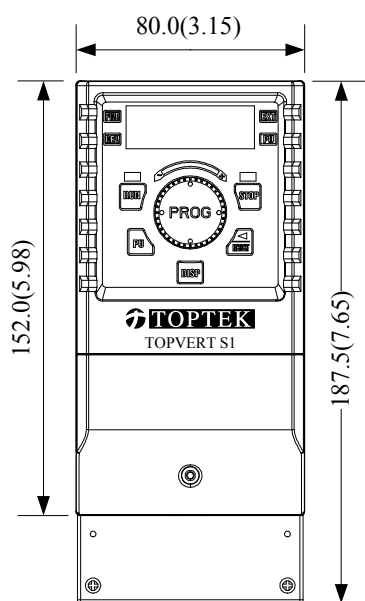
2-3 Installation Environment

- ▲ Do not install the Drive in a place subjected to high humidity, steam, dust areas.
- ▲ Do not install the Drive in a place subjected to corrosive gases or liquids.
- ▲ Do not install the Drive in a place subjected to airborne dust or metallic particles.
- ▲ Do not install the Drive in a place subjected to excessive vibration.
- ▲ Do not mount the Drive near heat-radiating elements
- ▲ Do not install the Drive in a place subjected to temperature exceed : -10°C to +50°C
(14°F to 122°F)

2-4 Dimensions

2-4-1 Frame Code: S1-A

Capacity [kW/Hp]	110V 1 Phase	230V 1 Phase	230V 3 Phase	460V 3 Phase
0.2/0.25	V			
0.4/0.5	V	V	V	V
0.75/1	V	V	V	V
1.5/2		V	V	V



Unit : mm (inch)