

CHAPTER 2 STORAGE AND INSTALLATION

2.1 Storage

The AC drive should be kept in the shipping carton before installation. In order to retain the warranty coverage, the AC 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 +40°C (14°F to 104°F) +50°C (122°F) without dust cover. 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 +65°C (-4°F to 149°F) Relative Humidity: Less than 90%, 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 90%, no condensation allowed Atmosphere pressure: 86 to 106 kPa Vibration: Maximum 9.80 m/s ² (1G) at less than 20Hz, Maximum 5.88 m/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 / trunking.

High voltage insulation test equipment must not be used on cables connected to the drive.

Improper installation of the AC 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!

- ◆ Do not mount the AC drive near heat-radiating elements or in direct sunlight.
- ◆ Do not install the AC drive in a place subjected to high temperature, high humidity, excessive vibration, corrosive gases or liquids, or airborne dust or metallic particles.
- ◆ Mount the AC drive vertically and do not restrict the air flow to the heat sink fins.

The AC drive generates heat. Allow sufficient space around the unit for heat dissipation.

