



INSTALLATION AND MAINTENANCE

■ INSTALLATION

1. Install by observing the right direction (top/bottom) specified for the heat exchanger.
2. For using in an ambient with high moisture or oil mist content, apply thorough caulking waterproof with sealing materials all around the heat exchanger fitting bolts.
Also carry out caulking with sealing materials between the packing and the fitting surface depending on the panel mounting surface conditions or the ambient conditions.
3. Do not set obstructing materials such as walls, close to the air inlet part of the heat exchanger.
4. For installing, choose a place easy to maintain or clean the filters fitted to the air inlet parts of the exchanger.

■ WARNING

To avoid possible personal injury or property damage when the heat exchanger is to be mounted on the enclosure door, be sure that the hinges will support the added weight of the heat exchanger. Also, be certain that the heat exchanger does not over-balance the electronic cabinet when the door is opened, causing the cabinet to tip over.

■ SERVICE CONDITIONS

1. Air temp. min./max.: -29/68°C
2. Place of installation:
 - Indoor (for using outdoor, put a shade or apply suitable measures for protecting from rainwater, etc.)
 - Avoid using in the corrosive air ambient.

■ MAINTENANCE

For this cooling unit, the only driving part is the fan, thus reducing the need of the maintenance to the minimum; but regularly carry out the following maintenance/inspections.

Frequency	Parts	Point of inspection	Countermeasure
Daily (from start)	Upper & lower fans	Fan runs correctly or not? noise or vibration?	If found abnormal, check the cause. If the fan is faulty, replace it.
Every week or every month	Filter	Oil dirty, Clog	1. Minor clogging: Remove the filter and clean by tapping lightly or with vacuum cleaner; then reset. 2. Heavy clog with oil: Clean with neutral cleaner, rinse with clean water, then thoroughly dry before resetting.
Every 6 months or once a year (at power off)	Fan (Outside)	Oil dirty, Clog	Remove the filter and fan, then clean it thoroughly by air hose.

* Periodic cleaning for filter and fan on each case.