



Packaged Air-Conditioner Optional Parts
Installation Manual of High-static-pressure Fan Motor
PAC-SJ71FM-E

SAFETY PRECAUTIONS

- Before installation, make sure to read all the "Safety precautions that must be followed" and perform it accurately.
- The precautions herein provide very important points regarding safety. Make sure you follow them.
- Symbols used in this manual are categorized as follows according to the degree of risk when used improperly:

	WARNING	Describes warnings that must be observed to prevent serious consequences, such as serious injury or death of the user.
	CAUTION	Describes precautions that must be observed to prevent damage to the unit.

- After installation, perform a test run and make sure that there is no abnormality, and ask your customer to keep this installation sheet with the installation manual at all times. Also ask the customer to transfer these manuals to a new user if the user changes.

WARNING

Ask the dealer or an authorized technician to install the unit.

- If the unit is installed improperly by the user, water leakage, electric shock or fire may result.

Use the provided parts and the specified parts for installation.

- Improper parts could cause electric shock, fire, water leak, and injury caused by fall of the unit.

If the outdoor unit has already been connected to the power supply ensure circuit breaker is off before carrying out electrical work.

- Otherwise, injury or electric shock may result.

Installation must be properly done following this installation manual.

- If the unit is installed improperly, water leakage, electric shock or fire may result.

Wiring must be done properly using specific cables and fixed so that external pressure from the cable will not transmit to the terminal area. Never splice the cables for wiring.

- If the connection and/or fixation are not done properly, or if the cables are spliced, heat or fire may result.

CAUTION

Do not install the unit in an area where flammable gas may be generated, flow in, be retained or leaked.

- In case gas leaks around the unit, fire or explosion may result.

Install an earth leakage breaker.

- Failure to install an earth leakage breaker may result in electric shock.

Turn it on more than 12 hours before operation.

- If operation starts as soon as the unit is turned on, damage may result. Do not turn it off during the season.

Do not operate the unit without the grille or guard.

- If you touch rotating, hot or high-voltage parts of the equipment, injury may result from being snagged or burnt, or from electric shock.

Unit must be grounded.

- Do not connect the ground wires with ground wires for gas pipes, water pipes, conductor rods, or telephones. If the unit is not properly grounded, electric shock may result.

Mount the panel on the outdoor unit securely.

- Incomplete installation may result in electric shock and fire caused by dust, water, etc.

Do not operate the unit with wet hands.

- Electric shock may result.

Do not touch refrigerant piping when operating with bare hands.

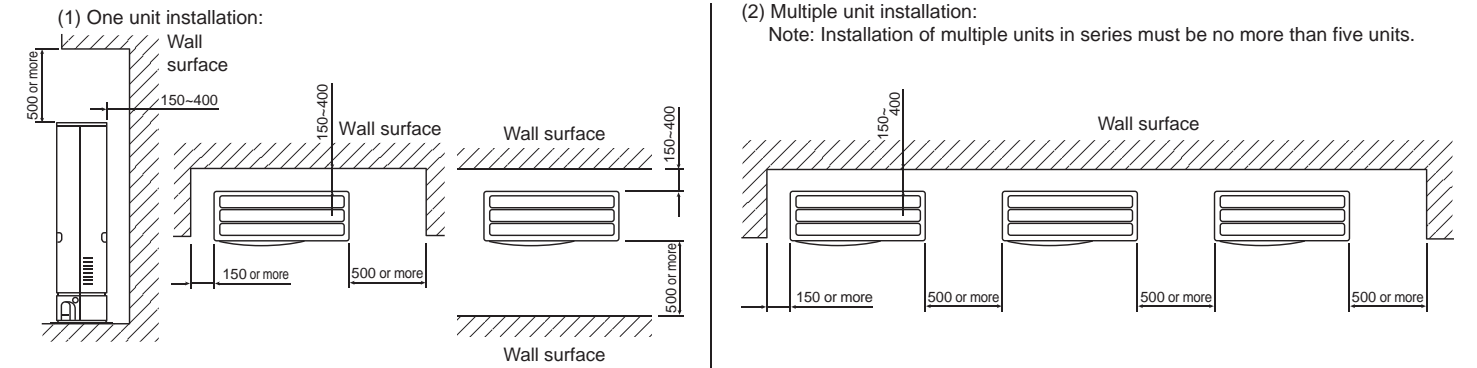
- Refrigerant piping when operating becomes cold and hot, depending on the condition of the flowing refrigerant. If touched with bare hands, frostbite or burns may result.

This High-static-pressure Fan Motor is designed to be installed into a system with outdoor unit air volume of 112m³/min and an air outlet static pressure of 30Pa. Please check the system before installation.

1. Accessory

P.No.	① Fan motor
Name	
Qty	2
Shape	

2. Requirements of installation space [Unit: mm]



3. Procedure for attaching fan motor

- (1) Remove the service panel. (See Fig. 1)
- (2) Remove the wire grille fixing screws (4 for front/ 5 x 12), then slide the wire grille upward to remove it. (See Fig. 1)
(For the each fan motor on top and under)
- (3) Remove the screw of nut (1 for front/ M6), then slide the propeller fan forward to remove it. (For the each fan motor on top and under)
- (4) Disconnect the connectors, CNF1 (WHT) and CNF2 (WHT) on the controller circuit board in the electrical parts box. (See Fig. 4)
- (5) Loosen the clamp for the lead wire on motor support and separator.
- (6) Release the lead wire from the hole on separator.
- (7) Remove the fan motor fixing screw (4 for front/ 5 x 20) to remove the fan motor. (For the each fan motor on top and under)
- (8) Fix the fan motor ① with the screws removed in (7).
- (9) Reinstall the other parts by reverse procedure of (1) to (6).

Note:

- Set the tightening torque to the value on the table 1.
- Attach the nuts using adhesive. (Recommend Three Bond 1401C)
- Make sure to hang the fan motor lead wire to the hook of the motor support. (See Fig 3.)

Table 1

	Torque
Nut	5.7±0.3N·m
Screws	3.5±0.2N·m

Fig. 1

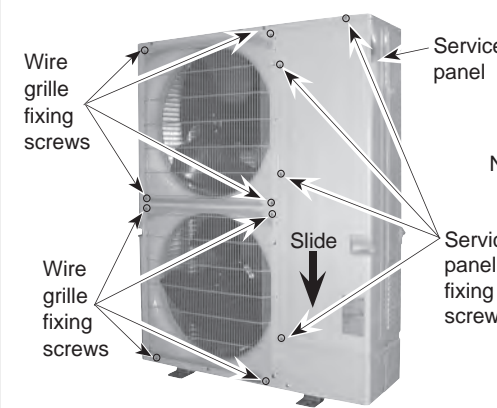


Fig. 2

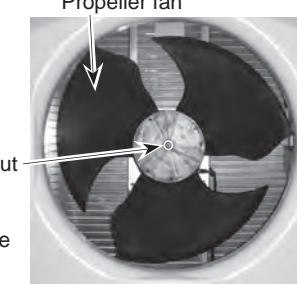


Fig. 3

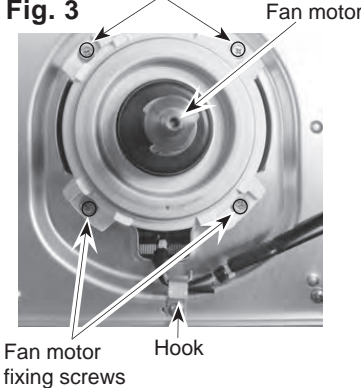
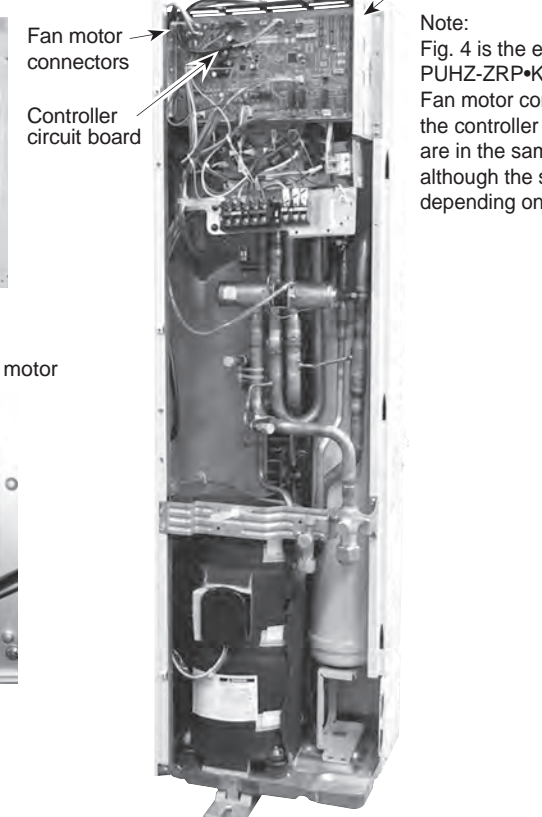


Fig. 4



Note:
Fig. 4 is the example of PUAZ-ZRP*KA model.
Fan motor connectors on the controller circuit board are in the same position although the structure varies depending on the models.

4. Switch setting

Please turn on the SW9-1 (PUHZ) or SW6-5 (PUMY) on the controller circuit board.

