

INSTALLATION AND MAINTENANCE MANUAL

PS036/051/085 -WLE

HIGH WALL FAN COIL



Carefully read this manual before installing and operating the appliance.
Keep the manual attentively to be able to consult it to have information about the use and maintenance of the unit.

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WARNINGS -

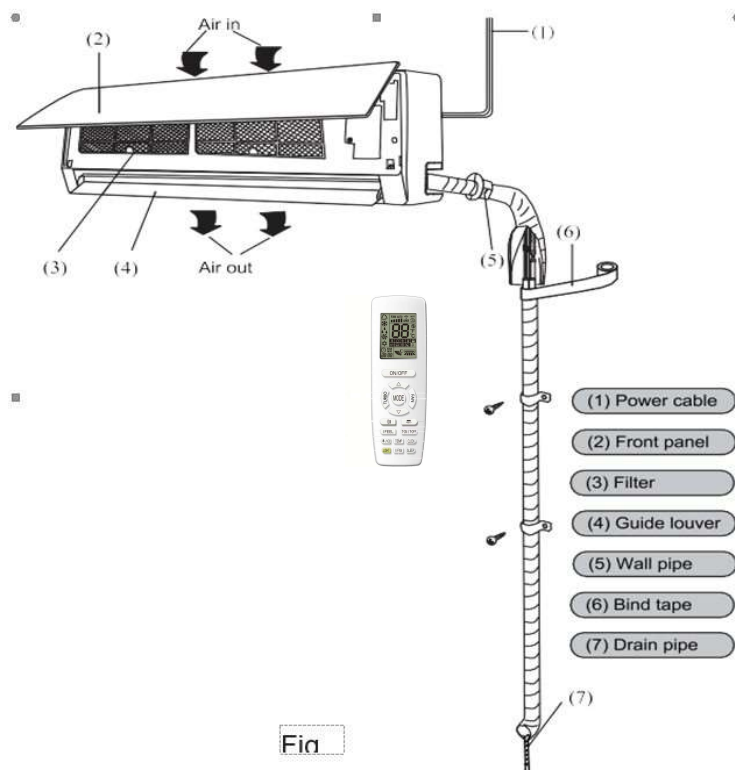
THE MANUFACTURER DO NOT RESPOND TO CHANGES AND ERRORS OF HYDRAULIC AND ELECTRICAL CONNECTIONS

- The unit must be installed following the national safety rules, turning to the seller or to qualified specialists
- The inobservance of the instructions below or the device improper use cause the immediate decay of the guarantee
- The maintenance must be performed only by qualified specialists.
- Unplug the power supply before maintenance operations or access to internal parts of the unit.
- Do not install or use damaged devices
- In case of malfunction, switch off the unit, unplug the power supply and turn to the seller or qualified specialists
- Eliminate packaging material following the environmental regulations

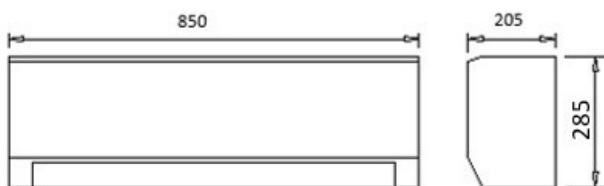
UNIT ACCEPTANCE, HANDLING AND STORAGE

- At the time of the delivery, verify the correspondence between the order and the indication on the delivery note;
- Verify the packaging integrity and, if inconsistencies with the order, damages or malfunctions are found, they must be reported on the delivery and promptly signaled to the manufacturing company;
- The unit must be stored in spaces protected from bad weather with a temperature between -10°C and 55°C;
- The handling and installation of the unit must be performed with the highest attention to prevent the damage of fragile parts; these operations can be facilitated with the help of a lifter.

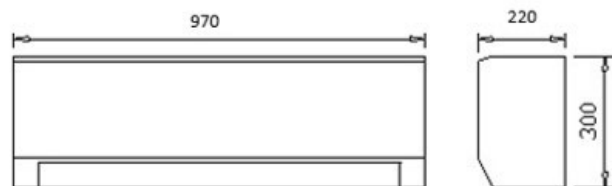
UNIT DESCRIPTION AND DIMENSION



PS036/051-WLE



PS085-WLE



OPERATING LIMITS

- Maximum temperature of flow: 70°C
- Minimum temperature of flow: 4°C
- Maximum working pressure: 10bar
- Minimum room temperature: 4

INSTALLATION



Important notice

- The unit installation work must be done by qualified personnel according to the local rules and this manual
- Before installing, please contact with local authorized maintenance center, if unit is not installed by the authorized center, the malfunction may not solve (unit can broke), due to discommodious contacts.

Basic requirements for installation position

Installation in the following place may cause malfunction. If it is unavoidable, please contact with service center.

- Place where strong heat sources, vapors, flammable gas or volatile object are emitted
- Place where a lot of salinities such as coast exists
- Place where the oil (machine oil) is contained in the air.
- Place where a sulfured gas such as the hot spring zones is generated.
- Other place with special circumstance

Unit installation position selection

- The air inlet and outlet vent should be far from the obstruction, make sure that the air can be blown through the whole room
- Select a position where the condensing water can be easily drained out.
- Select a location where children can not reach
- Select the place where is strong enough to withstand the full weight and vibrations of the unit and will not increase the noise.
- Be sure to leave enough space to allow access for routine maintenance; the height of the installed location should be 2,5m or more from the floor.

Rear panel installation

- Always mount the rear panel horizontally using a bubble instrument
- Fix the rear panel using appropriate screws according to the type of wall

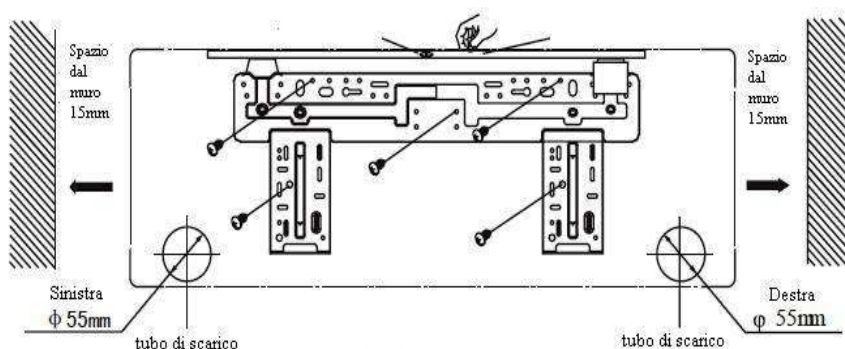


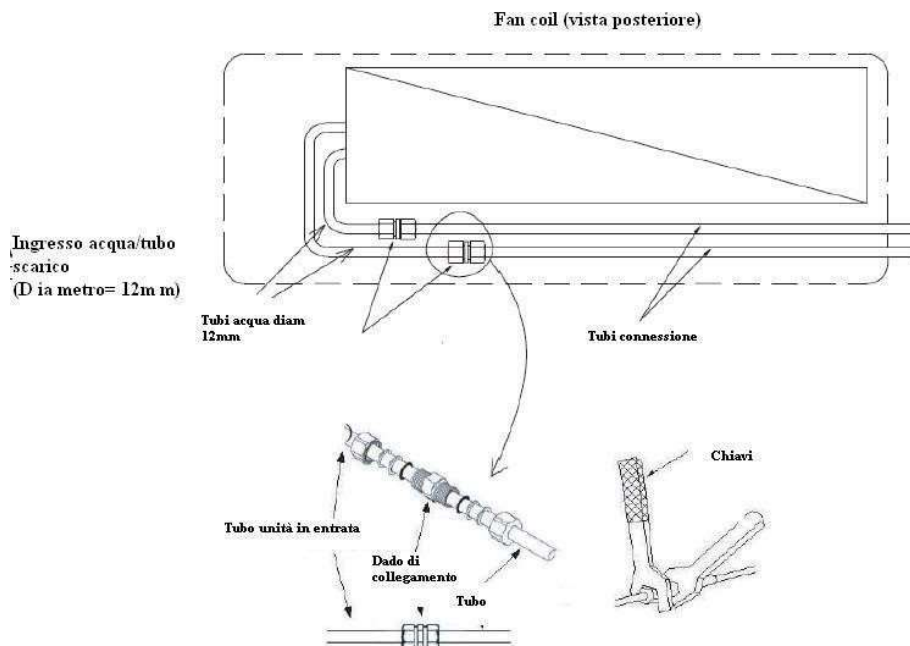
Fig. 5

CONDENSATE DRAIN CONNECTION

- For a good drainage the exhaust pipe must be positioned with a downward inclination of at least 1-2%
- Do not wrench or bend the drain hose or flood it and by water.
- When the drainage tube passig through wet and heat space, should wrap the insulation material.

HYDRAULIC CONNECTION

- Comply with the inlet / outlet as shown on the labels placed on the tubes of the unit.



ELECTRICAL CONNECTIONS



The electrical connections must be performed by specialists, according to the National electrical standards in force.

Before making any connection, the power must be turned off.

Use the appropriate wire gauge to the maximum drawn current as shown on the label of the technical data on the unit.

Connect respecting the instructions given in the scheme attached, according to the unit typology and accessories. After the wiring, the wires must be securely fixed to the structure to prevent any snag during the maintenance operations to adjacent devices.

The incorrect connection and/or the failure to respect the National regulations void the guarantee and any other responsibility of the manufacturer.

CLEANING AND MAINTENANCE



Before maintenance, make sure the power of the unit is turned off.

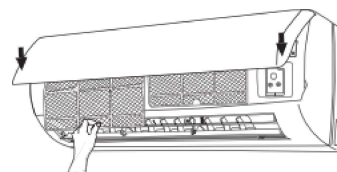
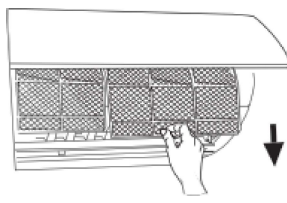
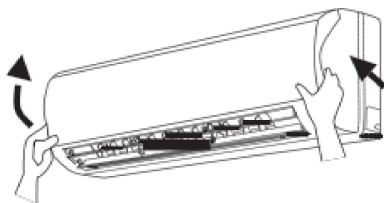
Only qualified specialists can intervene.

The only component of the fan-coil that needs cleaning and maintenance is the filter, placed on the air intake (unless there is the breakage of other components).

The filter must be cleaned with every season change, using a vacuum-cleaner or brushing it.

To perform this operation, follow the steps below:

- forcibly pull the panel for the specific angle from the two ends of the panel according arrow direction
- pull the air filters downwards to remove it.
- clean with every season change, using a vacuum-cleaner or brushing it
- re-insert air filters and close front panel of the unit.
- to maintain the maximum efficiency of the unit, it is advisable to replace the air filters at last every 3 years



CHECK AND TEST OPERATION

Points to check	Possible causes
Has unit been fixed firmly?	The unit may drop, shake or emit noise.
Did you do the water tightness test?	May cause insufficient cooling (heating) capacity.
Is heat insulation sufficient?	It may cause condensation and dripping
Is water drainage well?	It may cause condensation and dripping
Is the voltage in accordance with the rated voltage marked on the nameplate?	It may cause electric malfunction or damage the part
Is the electrical wiring and piping connections installed correct?	This could cause electrical malfunction or damage the part.
Has the unit been connected to a secure earth connection?	It may cause electrical leakage
Is the power cord specified?	It may cause electric malfunction or damage the part
Is the inlet and outlet pipes beed covered?	It may cause insufficient cooling (heating) capacity

MALFUNCTIONS AND CORRECTIVE ACTIONS

FAN DOES NOT RUN

CORRECTIVE ACTIONS:

- make sure that the machine is powered;
- check if some switches and/or fuses are blown
- check the correct wiring of the unit (qualified personnel only)
- check if the thermostat is set in the right way

LOW AIR FLOW

CORRECTIVE ACTIONS:

- select an higher fan speed;
- replace or clean the filter

THE APPLIANCE LEAKS WATER

CORRECTIVE ACTIONS:

- monitor and improve the insulation of the water pipes;
- tighten the water attacks;
- fix the unit perfectly horizontally;
- clean the dip tray
- check and clean the pipe of the condensate drain;
- monitor the proper functioning of the condensate drain pump;
- check the slope of the condensate collection tray

THE UNIT DOES NOT COOL/HEAT

CORRECTIVE ACTIONS:

- lower/raise the set temperature on the thermostat;
- check that the chiller/boiler and circulation pump are turned on;
- bleed the water pipes;
- check if the thermostat is not installed in a warmer/cooler area;;
- clean the air filter.

L' azienda produttrice si riserva di modificare dimensioni e dati tecnici in qualsiasi momento e senza preavviso.