



# ROOFTOP AIR CONDITIONER

# FRT11

The FRT11 Air Conditioner is a transportable unit, developed primarily to provide air conditioning in temporary or transportable buildings or tents. It is a small light weight unit built into a rigid steel frame. The unit is designed to be placed outside, with supply air and return air ducted to the building or tent.

This single fan air conditioner with large volume air movement of 1500 m<sup>3</sup>/hr is ideally suited to cool large office areas, data centres and workspaces. The FRT11 (10kW ;38000 BTU/hr) unit has been designed for a fast rental installation and start up.

FRT11 is a freestanding unit and can cool specific areas by utilising the three speed fan outlet at front of the unit. Installation literally takes minutes.

The unit has an automatic thermostat, which regulates the local air temperature to the set level required and is capable of operating down to a temperature of 10°C.

## FEATURES

### FRAME

Structure with panels made of sturdy galvanized steel, painted with epoxy powder ensuring high resistance to atmospheric agents and aggressive environments.

The panels are removable to allow a quick inspection and maintenance of the internal parts.

### COMPRESSOR

Scroll compressor mounted on vibration dampers. Provided with resistance on the housing and thermal safety.

### REFRIGERANT CIRCUIT

**Evaporator and condenser:** the coil is made of copper pipes and aluminium fins. Drying filter, Schrader valves, minimum and maximum pressure switch. Defrosting thermostat and solenoid valve in version S.

### FAN

Centrifugal double suction fan, built with sturdy blades in galvanized sheet, statically and dynamically balanced.

### TESTING

Tests are performed to check the tightness of the refrigeration circuit. Electrical discharge tests and functional tests are performed as well.

### HOT GAS DEFROST

Enables to use the rooftop in environments with temperature up to 10° C. It is a special hot gas injection system to accelerate the defrosting of the ice formed in the evaporator.

### AIR FILTER

The air filter, supplied as standard with the unit, is washable and easily replaceable. It is in Polyurethane and High-efficiency filter.

### MICROPROCESSOR

Controls the defrosting cycles, the compressor timer, temperature and the alarm card. The dehumidifier is equipped with step sequence control.

### CONTROL PANEL AND ELECTRICAL CONTROL PANEL

Located inside the machine. IP protection degree. Made in compliance with the European standards 73/23 and 89/336.

### IP

Standard IP24.

### TECHNICAL STANDARDS

This dehumidifier meets the essential requirements included in the Directives of the European Community 2006/95/EC of 12 December 2006 on the safety of electrical products for use in Low Voltage; 2004/108/EC of 15 December 2004 in the field of electromagnetic compatibility; 2006/42/EC of 17 May 2006 in the fields of machinery safety.

The conformity is declared with reference to the following harmonized technical standards:

CEI-EN 60335-2-40, CEI-EN 55014-1, CEI-EN 55014-2.

We also declare that the product is manufactured in compliance with the RoHS Directive in force, that is 2002/95/EC, transposed with the Legislative Decree of 25 July 2005 no. 151 (article 5).

# TECHNICAL SPECIFICATIONS

| FRT10                             |       |                                                   |
|-----------------------------------|-------|---------------------------------------------------|
| Nominal Cooling Capacity *        | kW    | 11                                                |
| Absorbed Power *                  | W     | 3300                                              |
| Max.running current**             | A     | 16                                                |
| Air flow, internal, with ducts    | m³/h  | 1500                                              |
| Air flow, external                | m³/h  | 4000                                              |
| Refrigerat                        | type  | R410a                                             |
| Protection class                  | IP    | 24                                                |
| Operating range temperature       | °C    | Range outside 10 - 42°C<br>Range inside 16 - 32°C |
| Noise level at 3 meter free field | dB(A) | 52                                                |
| Voltage available                 | V/Hz  | 230/1/50 HZ                                       |
| Flex. air duct connection         | mm    | 300                                               |
| Filter material                   | EN779 | G4                                                |

\* Inside 27°C, 60%, outside 35°C

\*\*Inside 30°C, 60%, outside 42°C

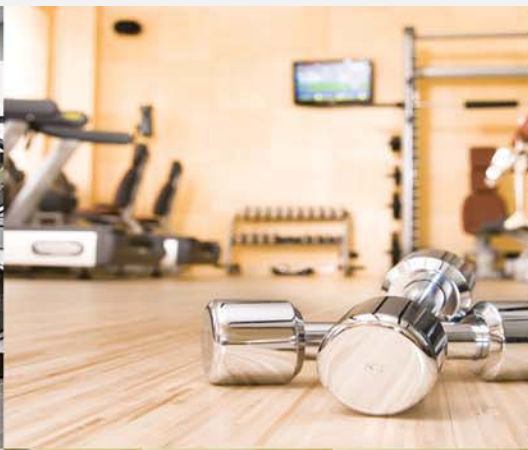
# INDOOR UNIT DIMENSIONS

|        |         |
|--------|---------|
| Width  | 1200 mm |
| Height | 893 mm  |
| Depth  | 1180 mm |
| Weight | 110 Kg  |

# ACCESSORY

WHEELS





APPLICATIONS

IRONING ROOMS

OFFICES

STORAGE

SERVER ROOM

RENTAL

HOTELS

INDUSTRY