

# PROFESSIONAL PORTABLE AIR CONDITIONER

# FSC40

A range of high capacity monoblock portable air conditioning . Powerful and reliable tools with cooling capacity up to **44300** BTU / h. This single fan SPOT COOLER with large volume air movement from **1700** m<sup>3</sup>/hr is ideally suited to cool server rooms, production areas and workplaces. The SPOT COOLER unit has been designed for a fast rental installation and start up. In addition to this, the unit is entirely portable and has castors with brakes. This allows easy movement when cleaning around this lightweight unit.

## 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

Rotative compressor mounted on vibration dampers.

### REFRIGERANT CIRCUIT

**Evaporator and condenser:** the coils are made with copper pipes and aluminium fins. Drying filter, Shreder 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 steel, statically and dynamically balanced.

Two-speed fan.

### TESTING

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

### 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 IP22 on request IP44

### TECHNICAL STANDARDS

these machines 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

	FSC40
Max Cooling Capacity :	13.000 W
Cooling Capacity:	44.300 BTU/h
Absorbed Power (27°C - 60%):	3400 W
Absorbed Current ( 27°C- 60% ):	6,6 A
Cooling Section Air flow:	
Fan speed	- Max Speed 1700 cm/h
	- Low Speed 1400 cm/h
Heating Section Air flow	3000 cm/h
Refrigerant type	R454C
High Efficiency compressor	Rotary
Indoor Unit Noise (at 3m in free field) at <i>min speed</i>	59 dB(A)
<i>Tank for condenser water</i>	20 liters
Power supply (Volt/phase/frequency)	400/3N/50

## WEIGHTS

Weight	105 kg
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## DIMENSIONS

Width	500 mm
Height	1250 mm
Depth	620 mm

