



PROFESSIONAL PORTABLE AIR CONDITIONER

FSC25 - FSC40

A range of high capacity monoblock portable air conditioning . Powerful and reliable tools with cooling capacity up to 40000 BTU / h. This single fan SPOT COOLER with large volume air movement from 1,020m³ /hr to 3000 m³ /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

	FSC25
Cooling Capacity (28°C 55%):	7000 W
Cooling Capacity (28°C 55%) :	24100 BTU/h
Absorbed Power (26°C 55% indoor, 30°C Outdoor):	2200 W
Absorbed Current (26°C 55% indoor, 30°C Outdoor):	10 A
Cooling Section Air flow:	
Fan speed	- Max Speed 1020 cm/h
	- Low Speed 800 cm/h
Heating Section Air flow	2300 cm/h
Refrigerant type	R410a
High Efficiency compressor	Rotary
Indoor Unit Noise (at 3m in free field) at <i>min speed</i>	55 dB(A)
<i>Tank for condenser water</i>	20 liters



WEIGHTS

Weight	85 kg
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DIMENSIONS

Width	500 mm
Height	1250 mm
Depth	620 mm

TECHNICAL SPECIFICATIONS

	F5CH40
Rated Cooling Capacity (*)	11 kW
Max Absorbed Power (**)	4.8 kW
Absorbed Current (*)	8.5 A
Heating Capacity (***)	11.5 kW
Heating Capacity (****)	10 kW
AIR FLOW	
Inside air flow (ductable till 20 meter, 2 x Ø300 mm)	2000 ÷ 2400 cm/h
Outside air flow (ductable till 20 meter, Ø500mm)	3500 ÷ 4500 cm/h
OPERATING TEMPERATURE	
Summer:	Inside 10 to 35 °C Outside 0 to 40°C
Winter:	Inside 15 to 25 °C Outside -10 to 25°C
Refrigerant R410a	730 gr
High Efficiency Compressor	Scroll
Unit Noise at normal speed (at 3m in free field)	55 dB(A)



WEIGHTS

Weight	90 kg
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DIMENSIONS

Width	1000 mm
Height	1635 mm
Depth	750 mm



APPLICATIONS

IRONING ROOMS

OFFICES

STORAGE

SERVER ROOM

BAR

RENTAL

HOTELS

INDUSTRY