



# PROFESSIONAL PORTABLE AIR CONDITIONER

# FACSW

This single fan air conditioner with large volume air movement **from 1,500m<sup>3</sup>/hr to 2600m<sup>3</sup>/hr** is ideally suited to cool large office areas, data centres and workspaces. The FACSW (6.7kW or 15.0 kW) split unit has been designed for a fast rental installation and start up. FACSW 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 and hoses are supplied in lengths of 5m, 10m, 20m and 30m.

This High-capacity portable air conditioning units, provided with an external unit can be positioned up to 30m away from the central body and equipped with the connecting pipes with glycol fast connection. The FACSW is designed using a self contained chilled water system. The water circulates through a water cooled condenser where the heat is absorbed and then is pumped through the water lines to the outdoor unit where the water is cooled.

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

Rotative compressor mounted on vibration dampers. Provided with resistance on the housing and thermal safet

### REFRIGERANT CIRCUIT

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

### CONDENSATE LIFTING PUMP

Pump installed inside the machine

### FAN

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

Protection degree: Three-speed fan.

### 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 dehumidifier 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 IP21.

### 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

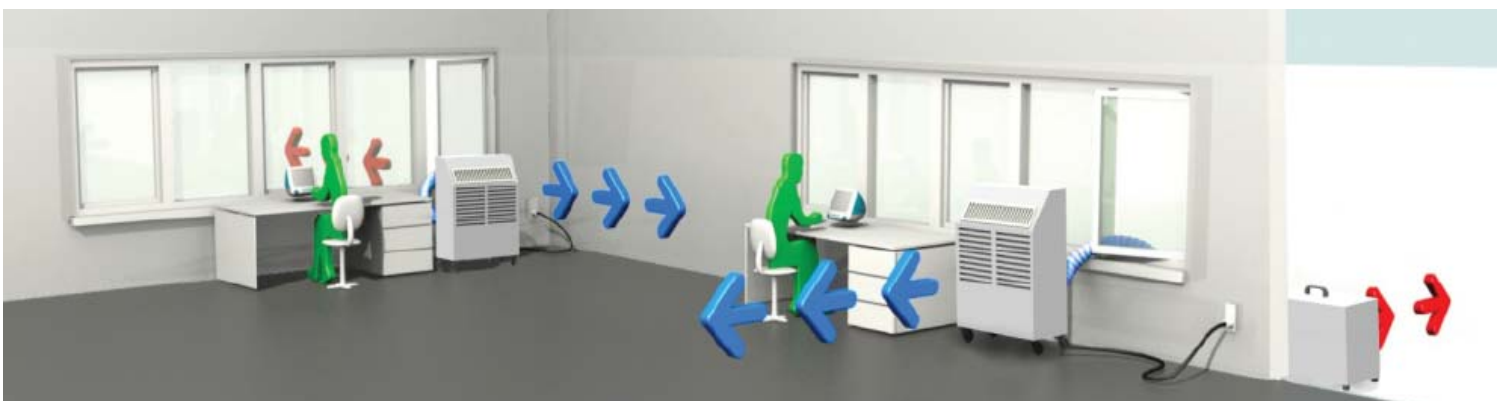
	FACSW22	FACSW51
Cooling Capacity (26°C 55% indoor, 30°C Outdoor):	6650 W	15.000 W
Cooling Capacity (26°C 55% indoor, 30°C Outdoor):	22900 BTU/h	51000 BTU/h
Absorbed Power (26°C 55% indoor, 30°C Outdoor):	2600 W	5700 W
Absorbed Current (26°C 55% indoor, 30°C Outdoor):	12 A	8,7 A
Indoor Unit Airflow:		
Fan speed :	- Max Speed	1500 cm/h
	- Normal Speed	1400 cm/h
	- Low Speed	1150 cm/h
Outdoor Unit Airflow	2100 cm/h	2700 cm/h *
Refrigerant	R410A	R410A
Indoor Unit Noise (at 3m in free field) at <i>min speed</i>	47 dB(A)	51 dB(A)
Indoor Unit Noise (at 3m in free field) at <i>med speed</i>	52dB(A)	56 dB(A)
Indoor Unit Noise (at 3m in free field) at <i>max speed</i>	59dB(A)	65 dB(A)
Outdoor Unit Noise (at 3m in free field) at max speed	52 dB(A)	52 dB(A)
Maximum distance between the two units:	30 m	30 m
Voltage available	230/1/50	380-400/3/50

## INDOOR UNIT DIMENSIONS

Width	815 mm	1074 mm
Height	1020 mm	1513 mm
Depth	360 mm	414 mm
Weight	86 Kg	140 Kg

## OUTDOOR UNIT DIMENSIONS

Width	650 mm	930 mm
Height	460 mm	895 mm
Depth	320 mm	641 mm
Weight	16.5Kg	35 Kg





APPLICATIONS

IRONING ROOMS

OFFICES

STORAGE

SERVER ROOM

BAR

RENTAL

HOTELS

INDUSTRY