



WALL DEHUMIDIFIER FDW16

FDW16

The Fral wall dehumidifiers of the DH series are high-quality appliances, characterized by an elegant design and a strong robustness. Suitable for dehumidification of home environments, small wineries, taverns, garages, homes, stores. They are equipped with a manual adjustment of the humidity and are ready for connection to a fixed condensate drain.

They have a high efficiency air filter in polyurethane, washable and easily replaceable, and a very large condensate collection tank with the possibility of direct drain.

The main characteristic of all the wall Fral models of the series FDW F is the evaporation coil that consists of smooth tubes in aluminium. This unique arrangement, derived from professional dehumidifiers, allows a lower power consumption of the appliance, with a very high efficiency even at low relative humidity.

The electronic management of defrosting and the protection from early restarts ensure a longer life of the machine.

FEATURES

FRAME

Supporting structure in galvanised sheet metal, epoxy powder coated, ensuring high strength and durability.

The plastic cover is tough, impact-resistant.

COMPRESSOR

Alternative compressor, mounted on vibration dampers.

REFRIGERANT CIRCUIT

Evaporator: the evaporation coil consists of smooth tubes in aluminium. The smooth tubes ensure a high yield of the dehumidifier, significantly reducing energy consumption, even at low relative humidity values.

Condenser: the coil is made of copper pipes and aluminium fins, the wide size of the condenser fins ensures resistance to dust, long life and easy maintenance of the machine.

Fixed drain connection

The machine is also ready for connection to a fixed condensate drain.

FAN

Axial fan, statically and dynamically balanced.

AIR FILTER

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

MICROPROCESSOR

Controls the defrosting cycles, the compressor timer and the alarm card.

CONTROL PANEL

Located at the side of the machine.

TESTING

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

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

	FDW16
Rated average power consumption (20 °C - 60% R.H.)	200 W
Maximum power consumption (35 °C - 95% R.H.)	256 W
Max. Current Consumption (35 °C - 95% R.H.) F.L.A.	1,52 A
Air flow	160 mc/h
Sound pressure level (3 meters in open field)	39 db(A)
Refrigerant	R134a
Fitting on the machine for condensate drain	18 mm
Operational range (temperatures)	7÷35 °C
Operating range (relative humidity)	30÷99%
Defrosting control system	Electronic
Voltage and frequency available as standard	230/1/50

ACCESSORIES

■ STANDARD

□ OPTIONAL

⊠ NOT AVAILABLE

Hot gas defrost	⊠
Mechanical humidistat	■

DIMENSIONS AND WEIGHTS

Width	692 mm
Height	315 mm
Depth	217 mm
Weight	22,5 kg

DIMENSIONS AND WEIGHTS WITH PACKING

Width	722 mm
Height	345 mm
Depth	247 mm
Weight	24.3 kg

CONDENSED WATER AT DIFFERENT AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS (lt/24h)

	10 °C 60%	10 °C 80%	15 °C 60%	15 °C 80%	20 °C 60%	20 °C 80%	25 °C 60%	25 °C 80%	26.7 °C 60%	27 °C 80%	30 °C 80%	32 °C 90%
FDW16	1,6	4	2,4	4,8	4	5,6	5,6	8	6,4	9,6	12	15,2



APPLICATIONS

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