



# 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	<b>160 mc/h</b>
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





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