



DOMESTIC  
DEHUMIDIFIERS  
FLIPPERDRY 300-400

# FLIPPERDRY SERIES

The Fral domestic dehumidifiers of the FLIPPERDRY 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 domestic Fral models of the series FLIPPERDRY 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.

The model FLIPPERDRY 300H is provided with electrical resistor for supplemental heating.

## 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.

### CONDENSATE COLLECTION TANK

The condensate collection tank, installed as standard, is very large and can be easily removed. The machine is also ready for connection to a fixed condensate drain.

### CONDENSATE LIFTING PUMP

A condensate lifting pump kit is available. It can be easily applied to the dehumidifier.

### 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 top/front 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

	F 300 ECO	F 400
Rated average power consumption (20 °C - 60% R.H.)	124 W	260 W
Maximum power consumption (27 °C - 60% R.H.)	155 W	240 W
Maximum power consumption (27 °C - 60% R.H.) with heating	-	-
Max. Current Consumption (35 °C - 70% R.H.) F.L.A.	2,2 A	2.8 A
Max. Current Consumption (35 °C - 70% R.H.) F.L.A. with heating	-	-
Air flow	<b>250 mc/h</b>	<b>300 mc/h</b>
Sound pressure level (3 meters in open field)	39 dB(A)	41 dB(A)
Refrigerant	<b>R1234YF</b>	<b>R1234YF</b>
Capacity of the condensate water tank	5.5 kg	5.5 kg
Fitting on the machine for condensate drain	18 mm	18 mm
Operational range (temperatures)	7÷35 °C	7÷35 °C
Operating range (relative humidity) T < 30 °C	30÷98%	30÷98%
Operating range (relative humidity) T 30÷32 °C	30÷90%	30÷90%
Operating range (relative humidity) T 32÷35 °C	30÷70%	30÷70%
Voltage and frequency available as standard	230/1/50	230/1/50

## ACCESSORIES

■ STANDARD

□ OPTIONAL

⊠ NOT AVAILABLE

Hot gas defrost	⊠	⊠
Mechanical humidistat	■	■
Thermostat, switch for electrical resistance and safety thermostat	⊠	⊠
Ionizer	□	⊠

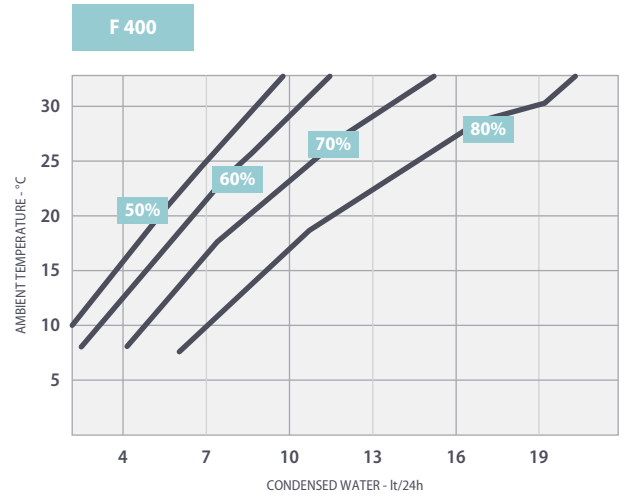
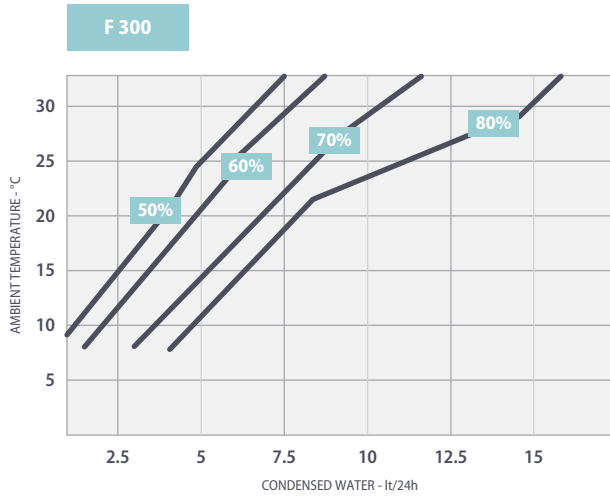
## DIMENSIONS AND WEIGHTS

Width	355 mm	355 mm
Height	700 mm	700 mm
Depth	320 mm	320 mm
Weight	20.5 kg	20.5 kg

## DIMENSIONS AND WEIGHTS WITH PACKING

Width	430 mm	430 mm
Height	780 mm	780 mm
Depth	360 mm	360 mm
Weight	22.3 kg	22.3 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%
F 300	2	5	3	6	5	7	7	10	8	12	15	19
F 400	3	7	5	9	6	11	9	14	10	15	19	24





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