

# COMMERCIAL DEHUMIDIFIER

## FRAL FD360 and FD520

**360 AND 520 LITRES PER DAY**

Nearly alike in looks to their big brothers FRAL FD750 and FD980, these commercial dehumidifiers are used in similar areas: warehouses, indoor heated swimming pools, commercial agricultural sheds or growing rooms, electronic control rooms, managing facilities in mining operations and other areas requiring dehumidification. These units also come with a smaller price tag and weigh a little less but are of course built to the same exacting standards as all FRAL dehumidifiers.

### Features:

- Functioning at under zero temperature (optional)
- Hot gas defrosting device with electronic and thermostatic control (optional)
- Automatic humidistat (or remote control)
- Fittings for continuous draining pipe connection
- Available double version: horizontal or upper air supply
- High and low pressure switches
- Scroll compressor with high & low pressure switches
- Strong aluminium pipe frame with galvanised & painted steel panels
- Three speed fan
- 3 Phase power required



### AIR FLOW WITH DIFFERENT HEAD PRESSURES

Available head pressure (Pa)	0	25	50	75	100	125	150
Air flow cm/h FD360 (middle fan speed)	3500	3400	3300	3100	3000	3000	-
Air flow cm/h FD520 (max fan speed)	4600	4500	4400	4300	4300	4000	3800

### CONDENSED WATER AT DIFFERENT AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS – FD360

10°C 60%	10°C 80%	15°C 60%	15°C 80%	20°C 60%	20°C 80%	25°C 60%	25°C 80%	27°C 65%	27°C 80%	30°C 80%	32°C 90%
55 l/d	95 l/d	80 l/d	125 l/d	140 l/d	160 l/d	145 l/d	200 l/d	170 l/d	230 l/d	300 l/d	360 l/d

### CONDENSED WATER AT DIFFERENT AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS – FD520

10°C 60%	10°C 80%	15°C 60%	15°C 80%	20°C 60%	20°C 80%	25°C 60%	25°C 80%	27°C 65%	27°C 80%	30°C 80%	32°C 90%
80 l/d	145 l/d	115 l/d	200 l/d	170 l/d	250 l/d	210 l/d	290 l/d	250 l/d	340 l/d	440 l/d	520 l/d

### TECHNICAL DATA

	FD360	FD520
Power Consumption (at 27°C, 65% rh)	4500 w	5800 w
Power Consumption (at 35°C, 95% rh)	5800 w	6500 w
Absorbed Current (at 35°C, 95% rh) standard ver.	11 A	16 A
Locked Rotor Current LRA stand. Ver. 230/1/50	50	75
Noise level (at 3 meters)	61 dB	65 dB
Refrigerant	R407c	R407c
Defrost Control System	Electronic	Electronic
Hot Gas Defrost System (optional)	Electronic thermostat	Electronic thermostat
Continuous Drainage Pipe (male)	19mm	19mm
Temperature Range standard version	7-35° C	7-35° C
Temperature Range hot gas defrost. version	0.5-35° C	0.5-35° C
Relative Humidity Range	45-99%	45-99%
Condensation Capacity (at 30°C, 80% rh)	300 l/24 hr	420 l/24 hr
Condensation Capacity (at 32°C, 90% rh)	360 l/24 hr	520 l/24 hr
Weight	150 kg	190 kg
Dimensions	118cm x 90cm x 71cm	118cm x 90cm x 71cm

