

COMMERCIAL DEHUMIDIFIER

FRAL FD520TCR Split Type

520 LITRES PER DAY

This very special machine from FRAL allows control of both humidity and temperature. Capable of extracting a massive 520 litres of moisture per 24 hour period and also able to lower the temperature, this machine is invaluable in a variety of “hard to solve” situations.

Features:

- Special machine with two condensers for independent control of temperature and humidity. The second condenser is separated from the dehumidifier by copper piping
- Independent control of temperature and relative humidity.
- Room ambient remote digital thermostat and hydrostat (optional)
- Three speed fan
- Hot gas defrosting device (optional) with electronic and thermostatic control
- High and low pressure switches
- Vertical or horizontal remote condenser
- Electric heater (optional)
- 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 (max fan speed)	4400	4300	4000	4000	3800	3700	3600
Air flow of outdoor unit	6500	-	-	-	-	-	-

CONDENSED WATER AT DIFFERENT AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS

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

Power Consumption (at 27°C, 65% rh)	5800 w
Power Consumption (at 35°C, 95% rh)	6500 w
Absorbed Current (at 35°C, 95% rh) standard ver.	16 A
Locked Rotor Current LRA stand. Ver. 230/1/50	75
Noise level (at 3 meters)	65 dB
Refrigerant	R407c
Defrost Control System	Electronic
Hot Gas Defrost System (optional)	Electronic thermostat
Continuous Drainage Pipe (male)	19mm
Temperature Range standard version	7-35° C
Temperature Range hot gas defrost. version	0.5-35° C
Relative Humidity Range	45-99%
Condensation Capacity (at 30°C, 80% rh)	420 l/24 hr
Condensation Capacity (at 32°C, 90% rh)	520 l/24 hr
Cooling Capacity (at Inside 15°C Outside 30°C)	20 kW
Weight	190 kg
Dimensions of indoor unit	118cm x 90cm x 91cm
Dimensions of outdoor unit	120cm x 98cm x 100cm
Noise level of outdoor until (at 10 meters)	45 dB

