

FIXED TYPE DEHUMIDIFIER /

Provided with:

- Fittings for continuous drain pipe connection
- Automatic Humidity Controller (On/Off Humidistat)
- High and low pressure switches
- Available version: Horizontal or upper air supply

Mains Characteristics:

- Housing in a very strong aluminium pipes frame with galvanized and painted steel panels
- Housing in (Inox) stainless steel AISI 316 (Optional)
- Three speed Fan (Optional)
- Scroll Compressor



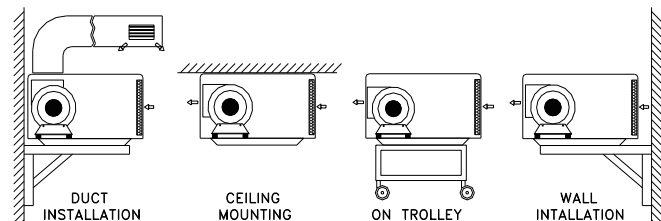
FD700

Used mainly in:

- Swimming pool rooms
- Room, Store/Warehouse & Basement with high humidity.
- Application needing dehumidification upon 45%

Power Supply:

- 220V/3Ph/60Hz



Data Sheet FD 700

CONDENSED WATER AT DIFFERENT AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS

| Mod. | 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% |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|
| FD700 | 100 l/d | 180 l/d | 150 l/d | 230 l/d | 260 l/d | 300 l/d | 270 l/d | 370 l/d | 320 l/d | 430 l/d | 560 l/d | 700 l/d |

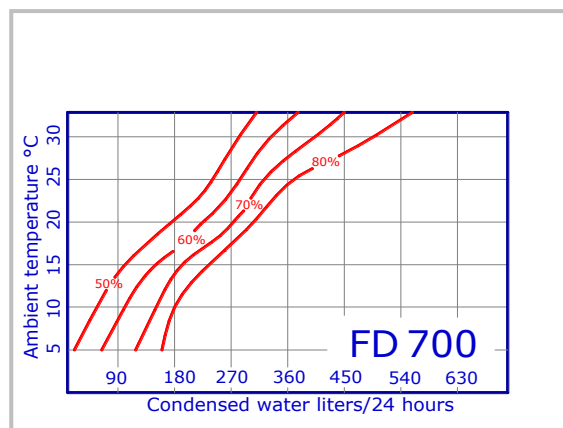
AIR FLOW WITH DIFFERENT HEAD PRESSURES

| Available head pressure (Pa) | 100 | 120 | 140 | 160 | 180 | 200 | 220 |
|------------------------------|------|------|------|------|------|------|------|
| Air flow cm/h FD700 | 5700 | 5700 | 5600 | 5500 | 5200 | 5200 | 5000 |

TECHNICAL DATA

FD700

| | |
|---|------------------|
| Rated Average Power Consumption (at 20°C, 60% R.H.) | 9000 W |
| Max. Power Consumption (at 35°C, 95% R.H.) | 11000 W |
| Max. Absorbed Current (at 35°C, 95% R.H.) (Std. Vers. 220V/3Ph/60Hz) | 24 A |
| Locked Rotor Current L.R.A. (Std. Vers. 380V/3Ph/60Hz) | 70.0 |
| Sound Pressure Level (at 3 mts in free field) | 67 db(A) |
| Refrigerant R410a | 5000 g |
| Standard defrosting Control System | electronic |
| Condensed Water Draining Pipe Connection (male) | 3/4 " |
| Functioning Temperature Range | 7...35 °C |
| Functioning Relative Humidity Range | 45...99 % |
| Rated Condensation Capacity (at 30°C - 80 %) | 560 l/24h |
| Rated Condensation Capacity (at 32°C - 90 %) | 700 l/24h |
| Weight | 220 kg |
| Dimensions LxDxH (cm) | 200x130x160 |



Fral Dehumidifier Schematic Diagram for model FD700

