

REFRIGERANT 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

Used mainly in:

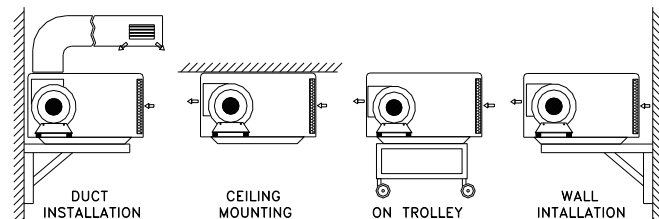
- Swimming pool rooms
- Room, Store/Warehouse & Basement with high humidity.
- Application needing dehumidification upon 45%

Voltage Available:

- 220V/3Ph/60Hz



FD980



Data Sheet FD980

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% |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------|
| FD-980 | 150 l/g | 270 l/g | 220 l/g | 390 l/g | 330 l/g | 490 l/g | 400 l/g | 570 l/g | 490 l/g | 670 l/g | 880 l/g | 1000 l/d |

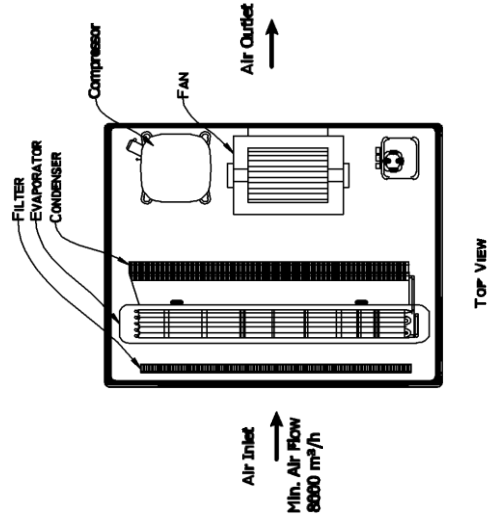
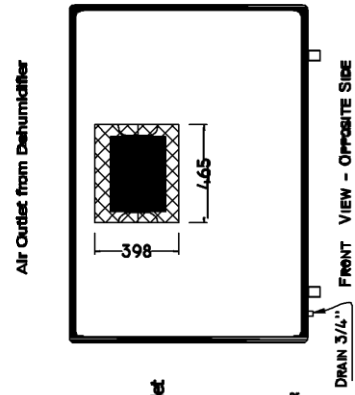
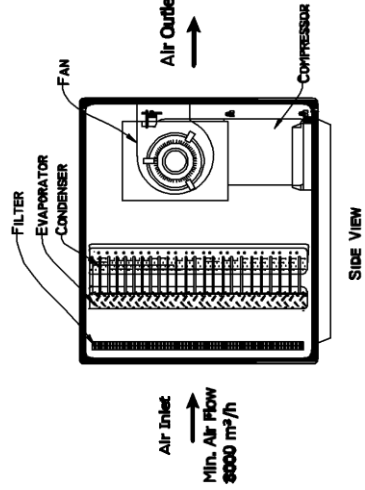
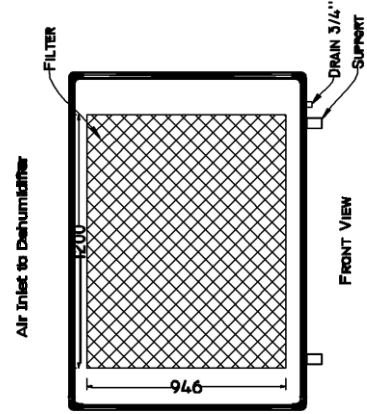
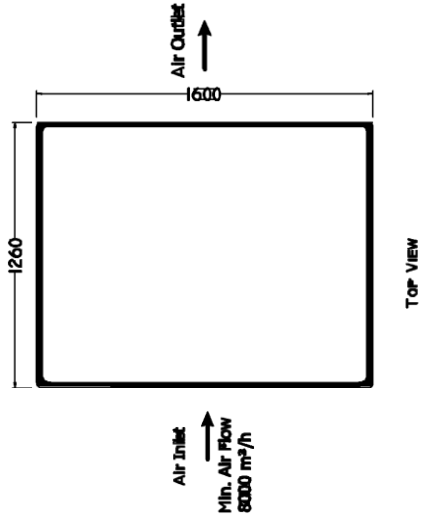
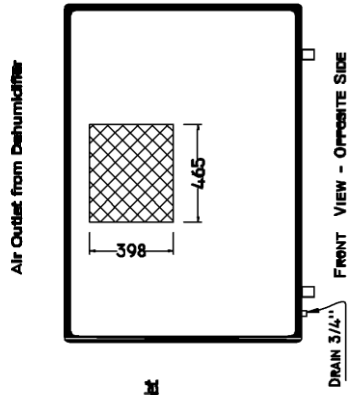
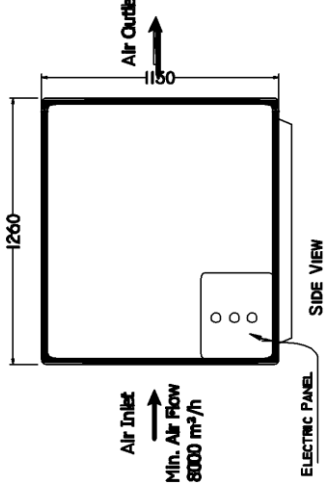
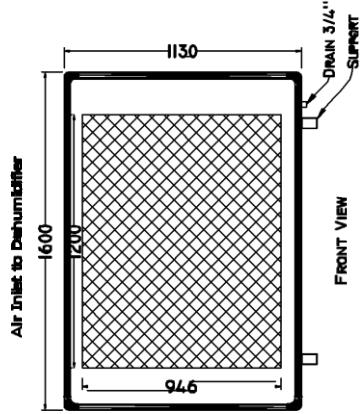
AIR FLOW WITH DIFFERENT HEAD PRESSURES

| Available head pressure (Pa) | 160 | 170 | 180 | 190 | 200 | 210 | 220 |
|---|------|------|------|------|------|------|------|
| Air flow cm/h FD-980 (max fan speed) | 8500 | 8300 | 8200 | 8100 | 8100 | 8000 | 8000 |

TECHNICAL DATA

| | FD980 |
|---|---------------------|
| Rated Average Power Consumption (at 20°C, 60% R.H.) | 13.000 W |
| Max. Power Consumption (at 35°C, 95% R.H.) | 19.000 W |
| Max. Absorbed Current (at 35°C, 95% R.H.) (std. vers. 380/3/60) | 32.0 A |
| Locked Rotor Current L.R.A. (std. vers. 220/3/60) | 110 A |
| Electric Supply | 380/3/60+N |
| Sound Pressure Level (at 3 mts in free field) | 70 dB(A) |
| Refrigerant R407c (see data label on the machine) | 6400 g |
| Standard defrosting Control System | Electronic |
| Hot gas defrosting control system (optional) | termost./electronic |
| Condensed Water Drain Pipe Connection (male) | 3/4" |
| Functioning Temperature Range (standard version) | 7...35°C |
| Functioning Temp. Range (hot gas defrosting version) | 0,5...35°C |
| Functioning Relative Humidity Range | 45-99 % |
| Rated Condensation Capacity (at 30°C - 80 %) | 880 l/24h |
| Rated Condensation Capacity (at 32°C - 90 %) | 1000 l/24h |
| Weight | 380 kg |
| Dimensions LxDxH (cm) with electric board | 200x130x160 |

Fral De-Humidifier Model FD980 Dimensions



Fral Dehumidifier Schematic Diagram for model FD980

