

## COMMERCIAL DEHUMIDIFIER

# FRAL FDNF44

### 44 LITRES PER DAY

Built to legendary European standards, this strong, robust dehumidifier is the preferred workhorse in a multitude of commercial situations. We have sold this unit into mining sites, electronic control rooms, commercial agricultural operations and large warehouses.

The hot gas defrosting device means it can function in extreme temperatures and works down to 1°C. Being fitted with a water pump makes this unit adaptable to various situations.

This quality unit is ideal for any application especially when you need to dry out quickly and efficiently.

#### Features:

- Hot gas defrosting device with electronic and thermostatic control
- Automatic humidistat for humidity selection
- Hour counter
- Water lifting pump or condensed water reservoir
- Fittings for continuous drainage pipe connection
- Four pivoting wheels
- Non finned tube evaporator for long life
- Low energy consumption
- Zinc plated and powder coated sturdy metal frame
- Ecologic gas R134a
- Power supply 220-240V 50Hz



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

|             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 10°C<br>60% | 10°C<br>80% | 15°C<br>60% | 15°C<br>80% | 20°C<br>60% | 20°C<br>80% | 25°C<br>60% | 25°C<br>80% | 27°C<br>65% | 27°C<br>80% | 30°C<br>80% | 32°C<br>90% |
| 8 l/d       | 11.5 l/d    | 11 l/d      | 16 l/d      | 14 l/d      | 19 l/d      | 17 l/d      | 25 l/d      | 19 l/d      | 26 l/d      | 36 l/d      | 44 l/d      |

#### TECHNICAL DATA

|  |                       |
|--|-----------------------|
| Power Consumption (at 20°C, 60% rh)              | 530 w                 |
| Power Consumption (at 35°C, 95% rh)              | 780 w                 |
| Absorbed Current (at 35°C, 95% rh) standard ver. | 4 A                   |
| Locked Rotor Current LRA                         | 18                    |
| Air Flow   | 400 cm/h              |
| Noise level (at 3 meters)                        | 43 dB                 |
| Refrigerant                                      | R134a                 |
| Standard Defrosting Control System               | Electronic            |
| Hot Gas Defrosting Control System (optional)     | Electronic thermostat |
| Water Tank Capacity                              | 9 kg                  |
| Continuous Drainage Pipe Connection              | 25mm                  |
| Temperature Range standard version               | 7-35° C               |
| Temperature Range (hot gas defrosting system)    | 1-35°C                |
| Relative Humidity Range                          | 35-99%                |
| Condensation Capacity (at 30°C, 80% rh)          | 36 l/24 hr            |
| Condensation Capacity (at 32°C, 90% rh)          | 44 l/24 hr            |
| Weight   | 38 kg                 |
| Dimensions                                       | 72cm x 37cm x 35cm    |

