

## REFRIGERATED COMPRESSED AIR DRYER

### MODEL:

**ESD 1000 400/3/50**

#### Rated capacity\*

|           |                   |       |
|-----------|-------------------|-------|
| Flow rate | m <sup>3</sup> /h | 1000  |
|           | l/min             | 16667 |
|           | cfm               | 588,9 |

|                        |                                |                      |                  |
|------------------------|--------------------------------|----------------------|------------------|
| Inlet air temperature  | °C / °F                        | 35 / 95              | (Max 60 / 140)   |
| Outlet air temperature | °C / °F                        | 27 / 81              | (Max 47 / 117)   |
| Ambient temperature    | °C / °F                        | 25 / 77              | (Max 50 / 122)   |
| Working pressure       | bar / psi                      | 7,0 / 102            | (Max 13 / 189)   |
| Pressure drop          | bar / psi                      | 0,24 / 3,5           | (Max 0,34 / 4,9) |
| Pressure dew point     | °C / °F                        | 3 / 37               |                  |
| Power consumption      | kW                             | 1,943                | (Max 3,513)      |
| Power supply           | V/Ph/Hz                        | 400/3/50             | (±10% / -- / ±1) |
| Rated adsorption       | A                              | 3,99                 | (Max 5,93)       |
| Lock Rotor Ampere      | A                              | 45                   |                  |
| Weight                 | kg / Lbs                       | 237 / 523            |                  |
| Air connections        | IN/OUT                         | 2"                   |                  |
| Coolant type           | Freon / kg / t CO <sub>2</sub> | R407C / 2,25 / 3,991 |                  |

### Standard features

|                    |                            |                        |                       |
|--------------------|----------------------------|------------------------|-----------------------|
| Control panel:     | Electronic system type     | Separator type:        | Demister type         |
| Condenser cooling: | Air cooled                 | Compressor type:       | Hermetic type         |
| Ventilator motor:  | Suction fan                | Installation location: | Indoor                |
| Heat exchanger:    | Aluminium plate - 3 Layers | Drain discharge:       | No loss (Smart drain) |
| Glycol circulator: | Centrifugal                | Electric protection:   | IP 42                 |
| Expansion method:  | Capillary tube             |                        |                       |

\* Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, 3°C (37°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature.

Performances & specifications: +/- 5%

