

## REFRIGERATED COMPRESSED AIR DRYER

**MODEL:**

**ED 20000 400/3/50**

Rated capacity\*

|                                 |                                |                       |                             |
|---------------------------------|--------------------------------|-----------------------|-----------------------------|
| Flow rate                       | m³/h                           | 20000                 |                             |
|                                 | l/min                          | 333334                |                             |
|                                 | cfm                            | 11771,6               |                             |
| Inlet air temperature           | °C / °F                        | 35 / 95               | (Min 5 / 41 ÷ Max 60 / 140) |
| Outlet air temperature          | °C / °F                        | 27 / 81               | (Max 47 / 117)              |
| Ambient temperature             | °C / °F                        | 25 / 77               | (Min 2 / 36 ÷ Max 46 / 115) |
| Working pressure                | bar / psi                      | 7,0 / 101,5           | (Min 3 / 44 ÷ Max 13 / 189) |
| Pressure drop                   | bar / psi                      | 0,28 / 4,06           | (Max 0,34 / 4,93)           |
| Pressure dew point              | °C / °F                        | 3 / 37                |                             |
| Power supply                    | V/Ph/Hz                        | 400/3/50              | (±10% / -- / ±1)            |
| Rated power consumption         | kW                             | 13,56 x2              | (Max 26,93x2)               |
| Rated adsorption                | A                              | 25,3 x2               | (Max 44,75 x2)              |
| Lock Rotor Ampere               | A                              | 300 x2                |                             |
| Condenser cooling air flow rate | m³/h                           | 23700 x2              |                             |
| Condenser max heat rejection    | kW                             | 94 x2                 |                             |
| Weight                          | kg / Lbs                       | 2256 / 4.974          |                             |
| Air connections                 | IN/OUT                         | 2 x DN 200 PN16       |                             |
| Coolant type                    | Freon / kg / t CO <sub>2</sub> | R513A / 2x25 / 31,570 |                             |

### 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 brazed plate   | Drain discharge:       | No loss (Smart drain) |
| Expansion method:  | Capillary tube + by-pass | Electric protection:   | IP 42                 |

\* 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%

|                                                                                     |         |                                                                                     |                   |                                                                                       |          |
|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|----------|
|  | Air in  |  | Power supply      |  | Air flow |
|  | Air out |  | Condensate outlet |                                                                                       |          |

