

## REFRIGERATED COMPRESSED AIR DRYER

**MODEL:**

**ED 180 230/1/50**

Rated capacity\*

|                                 |                                |                      |                             |
|---------------------------------|--------------------------------|----------------------|-----------------------------|
| Flow rate                       | m <sup>3</sup> /h              | 180                  |                             |
|                                 | l/min                          | 3000                 |                             |
|                                 | cfm                            | 105,9                |                             |
| 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 50 / 122) |
| Working pressure                | bar / psi                      | 7,0 / 101,5          | (Min 3 / 44 ÷ Max 16 / 232) |
| Pressure drop                   | bar / psi                      | 0,21 / 3,05          | (Max 0,34 / 4,93)           |
| Pressure dew point              | °C / °F                        | 3 / 37               |                             |
| Power supply                    | V/Ph/Hz                        | 230/1/50             | (±10% / -- / ±1)            |
| Rated power consumption         | kW                             | 0,5                  | (Max 0,68)                  |
| Rated adsorption                | A                              | 3,33                 | (Max 4,1)                   |
| Lock Rotor Ampere               | A                              | 21                   |                             |
| Condenser cooling air flow rate | m <sup>3</sup> /h              | 690                  |                             |
| Condenser max heat rejection    | kW                             | 2,5                  |                             |
| Weight                          | kg / Lbs                       | 44 / 97              |                             |
| Air connections                 | IN/OUT                         | ¾" BSP               |                             |
| Coolant type                    | Freon / kg / t CO <sub>2</sub> | R513A / 0,30 / 0,189 |                             |

### Standard features

|                    |                        |                        |                      |
|--------------------|------------------------|------------------------|----------------------|
| Control panel:     | Electronic system type | Separator type:        | Demister type        |
| Condenser cooling: | Air cooled             | Compressor type:       | Hermetic type        |
| Ventilator motor:  | Pusher fan             | Installation location: | Indoor               |
| Heat exchanger:    | Aluminium brazed plate | Drain discharge:       | Timed solenoid valve |
| Expansion method:  | Capillary tube         | 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 |                                                                                       |          |

