

## REFRIGERATED COMPRESSED AIR DRYER

### MODEL:

**ESD6000SW 400/3/50**

Rated capacity\*

|                        |                               |                             |                              |
|------------------------|-------------------------------|-----------------------------|------------------------------|
| Flow rate              | m³/h                          | 6000                        |                              |
|                        | l/min                         | 100000                      |                              |
|                        | cfm                           | 3531,5                      |                              |
| Inlet air temperature  | °C / °F                       | 35 / 95                     | (Min 5 / 41 ÷ Max 60 / 140)  |
| Outlet air temperature | °C / °F                       | 27 / 81                     | (Max 40 / 104)               |
| Water temperature      | °C / °F                       | 29,4 / 84                   | (Min 15 / 59 ÷ Max 40 / 104) |
| Water consumption      | m³/h                          | 10                          | (Max 30,19)                  |
| Working pressure       | bar / psi                     | 7,0 / 102                   | (Min 3 / 44 ÷ Max 13 / 189)  |
| Pressure drop          | bar / psi                     | 0,26 / 3,77                 | (Max 0,34 / 4,93)            |
| Pressure dew point     | °C / °F                       | 3 / 37                      |                              |
| Power consumption      | kW                            | 10,34                       | (Max 18,23)                  |
| Power supply           | V/Ph/Hz                       | 400/3/50                    | (±10% / -- / ±1)             |
| Rated adsorption       | A                             | 21,15                       | (Max 31,39)                  |
| Lock Rotor Ampere      | A                             | 215                         |                              |
| Weight                 | kg / Lbs                      | 1020 / 2.249                |                              |
| Air connections        | IN/OUT                        | DN 150 PN16                 |                              |
| Water connections      | IN/OUT                        | 1"1/2 BSP                   |                              |
| Water pressure         | bar / psi                     | Min. 2 / 29 - Max. 10 / 145 |                              |
| Ambient temperature    | °C / °F                       | 25 / 77                     | (Min 2 / 36 ÷ Max 46 / 115)  |
| Sound pressure level   | DB(A)                         | < 70                        |                              |
| Coolant type           | Type / kg / t CO <sub>2</sub> | R513A / 8,5 Kg / 5,367      |                              |

### Standard features

|                       |                                  |                        |                       |
|-----------------------|----------------------------------|------------------------|-----------------------|
| Control panel:        | Electronic system type           | Separator type:        | Demister type         |
| Condenser:            | Sea water cooled, shell and tube | Compressor type:       | Hermetic type         |
| Water flow regulator: | Pressostatic valve               | Glycol circulator:     | Centrifugal           |
| Heat exchanger:       | Aluminium brazed plate           | Installation location: | Indoor                |
| Expansion method:     | Capillary tube                   | Drain discharge:       | No loss (Smart drain) |

\* 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, 29.4°C (84.9°F) water temperature, 35°C (95°F) compressed air inlet temperature.

Performances & specifications: +/- 5%

|                                                                                     |         |                                                                                     |                   |    |           |
|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-------------------|----|-----------|
|  | Air in  |  | Power supply      | WI | Water in  |
|  | Air out |  | Condensate outlet | WO | Water out |

