

REFRIGERATED COMPRESSED AIR DRYER

MODEL:

ESD 1800 400/3/50

Rated capacity*

Flow rate

m³/h
l/min
cfm

1800
30000
1059,4

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 46 / 115)

Working pressure

bar / psi

7,0 / 102

(Max 14 / 203)

Pressure drop

bar / psi

0,23 / 3,3

(Max 0,36 / 5,2)

Pressure dew point

°C / °F

3 / 37

Power consumption

kW

2,915

(Max 4,945)

Power supply

V/Ph/Hz

400/3/50

(±10% / -- / ±1)

Rated adsorption

A

7,32

(Max 9,54)

Lock Rotor Ampere

A

50

Weight

kg / Lbs

394 / 869

Air connections

IN/OUT

3"

Coolant type

Freon / kg / t CO₂

R407C / 3,5 / 6,209

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)

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%

