

REFRIGERATED COMPRESSED AIR DRYER

MODEL:

ESD 1800 400/3/50

Rated capacity*

Flow rate	m ³ /h	1800	
	l/min	30000	
	cfm	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	3,22	(Max 5,34)
Power supply	V/Ph/Hz	400/3/50	(±10% / -- / ±1)
Rated adsorption	A	7	(Max 9,7)
Lock Rotor Ampere	A	57	
Weight	kg / Lbs	394 / 869	
Air connections	IN/OUT	3"	
Coolant type	Freon / kg / t CO ₂	R513A / 3,40 / 2,147	

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%

	Air in		Power supply		Air flow
	Air out		Condensate outlet		

