

REFRIGERATED COMPRESSED AIR DRYER

MODEL:

ESD1800W 400/3/50

Rated capacity*

Flow rate	m³/h	1800	
	l/min	30000	
	cfm	1059,4	
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	2,9	(Max 8,94)
Working pressure	bar / psi	7,0 / 102	(Min 3 / 44 ÷ Max 14 / 203)
Pressure drop	bar / psi	0,23 / 3,34	(Max 0,36 / 5,22)
Pressure dew point	°C / °F	3 / 37	
Power consumption	kW	2,95	(Max 5,34)
Power supply	V/Ph/Hz	400/3/50	(±10% / -- / ±1)
Rated adsorption	A	6,6	(Max 9,54)
Lock Rotor Ampere	A	50	
Weight	kg / Lbs	399 / 880	
Air connections	IN/OUT	3" BSP	
Water connections	IN/OUT	3/4" 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 ₂	R513A / 1,0 Kg / 0,631	

Standard features

Control panel:	Electronic system type	Separator type:	Demister type
Condenser:	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

