TECHNICAL DATA SHEET

REFRIGERATED COMPRESSED AIR DRYER

MODEL: **ED1800W 400/3/50**

		Rated capacity*	
Flow rate	m³/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 40 / 104)
Water temperature	°C / °F	29,4 / 84	(Max 40 / 104)
Water consumption	m³/h	2,1	(Max 2,6)
Working pressure	bar / psi	7,0 / 102	(Max 14 / 203)
Pressure drop	bar / psi	0,23 / 3,34	(Max 0,36 / 5,22)
Pressure dew point	°C / °F	3 / 37	
Power supply	V/Ph/Hz	400/3/50	(±10% / -- / ±1)
Rated power consumption	kW	2,42	(Max 4,81)
Rated adsorption	A	6,24	(Max 8,94)
Lock Rotor Ampere	A	50	
Weight	kg / Lbs	244 / 538	
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	(Max 46 / 115)
Coolant type	Freon / kg / t CO_2	**R407C / 4,7 / 8,338**	

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*	***Installation location:***	*Indoor*
Heat exchanger:	*Aluminium brazed plate*	***Drain discharge:***	*No loss (Smart drain)*
Expansion method:	*Capillary tube + by-pass*	***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, 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