



TECHNICAL DATA SHEET

CODE:
08S.1000.G0.00BG
Rel.05 Pg.1/1
Date 12/01/2021

REFRIGERATED COMPRESSED AIR DRYER

MODEL: ESD 1000 400/3/50

		Rated capacity*	
Flow rate	m³/h	1000	
	l/min	16667	
	cfm	588,9	
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 50 / 122)
Working pressure	bar / psi	7,0 / 102	(Max 13 / 189)
Pressure drop	bar / psi	0,24 / 3,5	(Max 0,34 / 4,9)
Pressure dew point	°C / °F	3 / 37	
Power consumption	kW	1,943	(Max 3,513)
Power supply	V/Ph/Hz	400/3/50	(±10% / -- / ±1)
Rated adsorption	A	3,99	(Max 5,93)
Lock Rotor Ampere	A	45	
Weight	Kg / Lbs	237 / 523	
Air connections	IN/OUT	2"	
Coolant type	Freon	R407C	

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 plate - 3 Layers	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%

