

TECHNICAL SPECS DATA SHEET

Drytec Model Name	SD-1800
General Data	
Type of Cooling	Air Cooled
Condenser Air Flow (m3/h)	4028
Heat Rejection Capacity @ 45C (W)	8444
Condenser Model	TAG4543YHR
Fan Motor Model	ZIEHL-ABEGG FE035-4EK.0F.V7 x2
Fan Size	Ø350
Number of Condenser Fans	2
Refrigerant Type	r-134a
Refrigerant Quantity (kg)	6
Compressor Model	ZR48K3E-PFJ
Compressor Type	Scroll
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Model	R-1000
Heat Exchanger Type	Aluminum Plate in cylindrical Form
Heat Ex. Cap. kW	7,3
Number of Heat Exchangers	1
Suction Line Accumulator Size(lt)	4
Liquid Receiver Size(lt)	10
Drain Type	Electronic Timer Drain
Noise Level (db)	<70
Filter Quantity and Type	1 * GO1810X + 1 * GO1810Y
Reference Data	
Max Rated Air Flow 35°C inlet, 7 Bar, 25°C Ambient Temperature (m3/h)	1800
Relative Humidity (%)	100
Max. Ambient temp. C	45
Min. Ambient Temperature (°C)	5
Max. Inlet temp. C	50
Max. Working Pressure (bars)	16
Refrigeration Power of the Compressor (kW)	6,69
Performance Data	
Humidity and Liquid Water Class	ISO8573.1 Class6 (dew point ≤10°C) (m3/h)
Pressure drop "mbar " (at 3C dew point)	290
At 35°C inlet, Air Temperature at Dryer Outlet (°C)	25-30
Electrical Data	
Voltage(Volt/Phase/Hz)	400/3/50
Total Electric Power (kW)	1,61
Total Installed Power (kW)	1,61
Min. Circuit Ampcity (A)	15,74
Fan Power (W)	400
Controller Type	N/A
Electrical Protection Class according IEC	IP 54
Compressor Locked Rotor Amper Current (A)	50
Size / Dimensions / Weight Data	
Mikropor Frame Size Number	6
Length(mm)	950
Width(mm)	800
Height(mm)	1460
Weight(kg)	285
Piping Connections	
Connection Size	3"