

TECHNICAL SPECS DATA SHEET

Mikropor Model Name	ESD 100
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m³/h)	180
Heat Rejection Capacity Max. @45°C (W)	984
Fan Size (mm)	Ø 200
Number of Condenser Fans	1
Refrigerant Type	R134a
Refrigerant Quantity (kg)	0,5
Compressor Type	Hermetic / Reciprocating
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate in Cylindrical Form
Number of Heat Exchangers	1
Suction Line Accumulator Size (lt)	N/A
Liquid Receiver Size (lt)	N/A
Drain Type	Solenoid Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated - GKON155 X /Y

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Reference Conditions

Max Rated Air Flow 35°C Inlet, 7 Barg, 25°C Ambient Temperature (Nm³/h)	100
Relative Humidity (%)	100
Max. Ambient Temperature (°C)	50
Min. Ambient Temperature (°C)	5
Max. Inlet Temperature (°C)	60
Max. Working Pressure (barg)	16

Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 4 (dew point ≤3°C)
Pressure drop (mbar)	90
At 35°C inlet, Air Temperature at Dryer Outlet (°C)	25 - 30

Electrical Data

Voltage(Volt/Phase/Hz)	230V / 1 / 50 Hz
Total Installed Power (kW) **	0,39
Nominal Operating Ampacity (A) **	1,87
Min. Circuit Ampcity - MCA (A)	2,35
Locked Rotor Amper - LRA (A)	9,75
Controller Type	DigiPro
Electrical Protection Class according IEC	IP 54
Fuse (A)	4 (will be provided by the user.)

Size / Dimensions / Weight Data

Length (mm)	454
Width (mm)	473
Height (mm)	832
Weight (kg)	51

Piping Connections

Connection Size	3/4"
Drain Connection Size	Pneumatic Hose 6 mm

**Average power consumption (kW, A) is based on 0°C evaporation, 45°C condensation temperature.