

Technical data refrigerant dryer series ALM-RD

ALMIG Model Name	ALM-RD 56
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General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h)	180
Heat Rejection Capacity Max. @45°C (W)	839
Fan Size (mm)	Ø 200
Number of Condenser Fans	1
Refrigerant Type	R134a
Refrigerant Quantity (kg)	0,32
Compressor Type	Hermetic / Reciprocating
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Heat Exchanger Type	Aluminum Plate
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 - GKON55M X /Y*

* Compressed air quality acc. to ISO 8573-1:

Class 1 for particles

Class 1 for residual oil content (with inlet concentration of 3 mg/m³)

Design Conditions

Max Rated Air Flow 35°C Inlet, 7 Barg, 25°C Ambient Temperature, Pressure Dew Point of +3°C (m ³ /h)	53
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)	280
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) **	0,37
Nominal Operating Ampcity (A) **	1,87
Min. Circuit Ampcity - MCA (A)	2,40
Locked Rotor Amper - LRA (A)	9,35
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)	372
Width (mm)	369
Height (mm)	707
Weight (kg)	32

Piping Connections

Connection Size	1/2"
Drain Connection Size	Ø6mm Pneumatic Fitting

** Average power consumption (kW, A) is based on 3°C evaporation, 45°C condensation temperature.