

ULTRAMAX RFD DRYER DATASHEET

(RFD-300)

GENERAL DATA

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h)	700
Heat Rejection Capacity Max. @45°CW	3535
Fan Size (mm)	ø300
Number of Condenser Fans	1
Refrigerant Type	R134a
Refrigerant Quantity (kg)	1
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 - GK0500M X/Y

DESIGN CONDITIONS

Max Rated Air Flow 35°C 7 barg, 25°C Ambient Temperature (Nm ³ /h)	300
Relative Humidity (%)	100
Max. Ambient Temperature (°C)	50
Max. 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)	80
At 35°C Inlet, Air Temp at Dryer Outlet °C	25 - 30

RFD-300

ELECTRICAL DATA

Voltage(Volt/Phase/Hz)	230V / 1 / 50 Hz
Total Installed Power (kW) **	1.14
Nominal Operating Ampcity (A) **	5.21
Min. Circuit Ampcity - MCA (A)	7.23
Locked Rotor Amper - LRA (A)	30.85
Controller Type	DigiPro
Electrical Protection Class according IEC	IP 54
Fuse (A)	8 (will be provided by the user.)

SIZE / DIMENSIONS / WEIGHT DATA

Length (mm)	553
Width (mm)	503
Height (mm)	874
Weight (kg)	86

PIPING CONNECTIONS

Connection Size	1 1/2"
Drain Connection Size	Pneumatic Hose 6 mm

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