

ULTRAMAX RFD DRYER DATASHEET

(RFD-2220)

GENERAL DATA

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h)	5000
Heat Rejection Capacity Max. @45°CW	17900
Fan Size (mm)	ø400
Number of Condenser Fans	2
Refrigerant Type	R134a
Refrigerant Quantity (kg)	10
Compressor Type	Hermetic / Scoll
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	2
Suction Line Accumulator Size (lt)	4
Liquid Receiver Size (lt)	10
Drain Type	Membrane Valve (with Solenoid Valve)
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated - GK02700M X/Y

DESIGN CONDITIONS

Max Rated Air Flow 35°C 7 barg, 25°C Ambient Temperature (Nm ³ /h)	2220
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)	220
At 35°C Inlet, Air Temp at Dryer Outlet °C	25 - 30

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ELECTRICAL DATA

Voltage(Volt/Phase/Hz)	400V / 3 / 50 Hz
Total Installed Power (kW) **	4.70
Nominal Operating Ampcity (A) **	12.55
Min. Circuit Ampcity - MCA (A)	17.38
Locked Rotor Amper - LRA (A)	98
Controller Type	ESD-3
Electrical Protection Class according IEC	IP 54
Fuse (A)	20 (will be provided by the user.)

SIZE / DIMENSIONS / WEIGHT DATA

Length (mm)	1163
Width (mm)	778
Height (mm)	1725
Weight (kg)	410

PIPING CONNECTIONS

Connection Size	3"
Drain Connection Size	1"

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