

ULTRAMAX RFD DRYER DATASHEET

(RFD-498)

GENERAL DATA

Type of Cooling	Air Cooled
Condenser Air Flow (m³/h)	1100
Heat Rejection Capacity Max. @45°CW	3759
Fan Size (mm)	ø300
Number of Condenser Fans	1
Refrigerant Type	R134a
Refrigerant Quantity (kg)	2.5
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)	3
Drain Type	Solenoid Valve
Drain Control Type	Electronic Controller
Noise Level (db)	<70
Filter Allocation and Type	Integrated - GK01210M X/Y

DESIGN CONDITIONS

Max Rated Air Flow 35°C 7 barg, 25°C Ambient Temperature (Nm³/h)	498
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)	100
At 35°C Inlet, Air Temp at Dryer Outlet °C	25 - 30

ELECTRICAL DATA

Voltage(Volt/Phase/Hz)	230V / 1 / 50 Hz
Total Installed Power (kW) **	1.23
Nominal Operating Ampcity (A) **	5.88
Min. Circuit Ampcity - MCA (A)	7.85
Locked Rotor Amper - LRA (A)	36.6
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)	678
Width (mm)	648
Height (mm)	1157
Weight (kg)	165

PIPING CONNECTIONS

Connection Size	2"
Drain Connection Size	1/2"

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