

# ULTRAMAX RFD DRYER DATASHEET

## (RFD-8400)

### GENERAL DATA

Type of Cooling	Air Cooled
Condenser Air Flow (m <sup>3</sup> /h)	12750
Heat Rejection Capacity Max. @45°CW	64625
Fan Size (mm)	ø500
Number of Condenser Fans	3
Refrigerant Type	R134a
Refrigerant Quantity (kg)	26
Compressor Type	Hermetic / Scroll
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	6
Suction Line Accumulator Size (lt)	15
Liquid Receiver Size (lt)	25
Drain Type	Membrane Valve (with Solenoid Valve)
Drain Control Type	Electronic Controller
Noise Level (db)	<70
Filter Allocation and Type	Externally Connected - F11000M X&Y *

\* Filters are not included to the standard package price, only given for information.

### DESIGN CONDITIONS

Max Rated Air Flow 35°C 7 barg, 25°C Ambient Temperature (Nm <sup>3</sup> /h)	8400
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

# RFD-8400

## ELECTRICAL DATA

Voltage(Volt/Phase/Hz)	400V / 3 / 50 Hz
Total Installed Power (kW) **	15.43
Nominal Operating Ampcity (A) **	33.00
Min. Circuit Ampcity - MCA (A)	56.80
Locked Rotor Amper - LRA (A)	286.4
Controller Type	ESD-3
Electrical Protection Class according IEC	IP 54
Fuse (A)	60 (will be provided by the user.)

## SIZE / DIMENSIONS / WEIGHT DATA

Length (mm)	2247
Width (mm)	1200
Height (mm)	2044
Weight (kg)	1100

## PIPING CONNECTIONS

Connection Size	DN200 Flange
Drain Connection Size	1"

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