

ULTRAMAX RFD DRYER DATASHEET

(RFD-4680)

GENERAL DATA

Type of Cooling	Air Cooled
Condenser Air Flow (m ³ /h)	8500
Heat Rejection Capacity Max. @45°CW	35700
Fan Size (mm)	ø500
Number of Condenser Fans	2
Refrigerant Type	R134a
Refrigerant Quantity (kg)	20
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	3
Suction Line Accumulator Size (lt)	10
Liquid Receiver Size (lt)	20
Drain Type	Membrane Valve (with Solenoid Valve)
Drain Control Type	Electronic Controller
Noise Level (db)	<70
Filter Allocation and Type	Externally Connected - F6500M 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 ³ /h)	4680
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-4680

ELECTRICAL DATA

Voltage(Volt/Phase/Hz)	400V / 3 / 50 Hz
Total Installed Power (kW) **	9.50
Nominal Operating Ampcity (A) **	22.00
Min. Circuit Ampcity - MCA (A)	37.83
Locked Rotor Amper - LRA (A)	178.2
Controller Type	ESD-3
Electrical Protection Class according IEC	IP 54
Fuse (A)	40 (will be provided by the user.)

SIZE / DIMENSIONS / WEIGHT DATA

Length (mm)	1467
Width (mm)	1077
Height (mm)	1930
Weight (kg)	718

PIPING CONNECTIONS

Connection Size	DN100 Flange
Drain Connection Size	1"

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