



Refrigerant	R449A Dew Point
<b>High Side Properties:</b>	
Condensing Temperature, °C	46.00
Abs. Condensing Pressure, bar	19.33
Dew Point, °C	46.00
Bubble Point, °C	41.80
Saturated vapour enthalpy, kJ/kg	414.00
Specific volume of saturated vapour, dm <sup>3</sup> /kg	11.00
<b>Low Side Properties:</b>	
Evaporating Temperature, °C	-10.00
Evaporating Abs. Pressure, bar	3.61
Dew Point, °C	-10.00
Bubble Point, °C	-15.40
With vapour at, °C	20.00
Specific volume, dm <sup>3</sup> /kg	72.50
Enthalpy, kJ/kg	421.00
<b>Operating Conditions:</b>	
Evaporating Temperature, °C	-10.00
Suction Return Temperature, °C	20.00
Ambient, °C	32.00
Condensing Unit Selected	ZXME-040E-TFD

**PERFORMANCE AT SPECIFIED OPERATING POINT  
ZXME-040E-TFD Data at 50 Hz**

Cooling Capacity, kW	6.58
Total Power Input, kW	3.29
COP	2.00
Current at 400 V, A	7.98
Mass Flow, g/s	41.90
Heating Capacity, kW	9.59
Condensing Temperature, °C	46.00
Subcooling at the Unit's outlet, K	0.00

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	ZX040E/60 W
Number of Fans	1
Total Fan Power Input, W	116
Depth/Width, mm	1035/446
Height, mm	840
Base mounting (hole dia), mm	580 x 388 (12)
Net Weight, kg	91
Receiver Capacity, l	4.1
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	0.81
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Suction Type	Cu Tube
Suction Diameter, inch	7/8
Sound Pressure @ 10m (MT), dBA	38
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10.0/45.0/20.0 °C at 50 Hz

**CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)**

Compressor Maximum Operating Current, A	10.3
Compressor Locked Rotor Current, A	49.3

**ACCESSORIES INCLUDED**

Crankcase Heater	40 W External
Liquid sight glass	ALCO MIA 012
Compressor contactor	12 A
Control circuit fuse	12 A 10x38
HP Switch	PS4-W1 21X28
Electronic controller	Emerson XCM25D
Filter Drier	ALCO ADK Plus

**ACCESSORIES OPTIONAL**

LP Adjustable Pressure Switch	Alco PS1-W3A
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