

Refrigerant	R449A Dew Point
<b>High Side Properties:</b>	
Condensing Temperature, °C	40.10
Abs. Condensing Pressure, bar	16.66
Dew Point, °C	40.10
Bubble Point, °C	35.60
Saturated vapour enthalpy, kJ/kg	413.00
Specific volume of saturated vapour, dm <sup>3</sup> /kg	13.00
Liquid Temperature, °C	3.30
Liquid enthalpy, kJ/kg	205.00
<b>Low Side Properties:</b>	
Evaporating Temperature, °C	-35.00
Evaporating Abs. Pressure, bar	1.29
Dew Point, °C	-35.00
Bubble Point, °C	-40.70
With vapour at, °C	20.00
Specific volume, dm <sup>3</sup> /kg	213.00
Enthalpy, kJ/kg	425.00
<b>Operating Conditions:</b>	
Evaporating Temperature, °C	-35.00
Suction Return Temperature, °C	20.00
Ambient, °C	32.00
Condensing Unit Selected	ZXLE-040E-TFD

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

Cooling Capacity, kW	3.16
Total Power Input, kW	2.61
COP	1.21
Current at 400 V, A	4.33
Mass Flow, g/s	14.35
Heating Capacity, kW	5.53
Condensing Temperature, °C	40.10
Liquid Temperature LO, °C	3.30

**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	93
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 (LT), dBA	38
Sound Pressure @ 10m (MT), dBA	38
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35.0/40.0/20.0 °C at 50 Hz
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	9.2
Compressor Locked Rotor Current, A	51.5

**ACCESSORIES INCLUDED**

Crankcase Heater	70 W External
Oil separator	ALCO OSH-404
Liquid sight glass	ALCO MIA 012
Compressor contactor	18 A
Control circuit fuse	S7-904-5355-0
HP Switch	ALCO PS3 WDS (Automatic reset)
Electronic controller	Emerson XCM25D
Filter Drier	ALCO ADK Plus
Vapour Injection	Expansion Valve
Circuit breaker, over current relay	10 A
Suction Accumulator	ALCO A09-507

**ACCESSORIES OPTIONAL**

LP Adjustable Pressure Switch	Alco PS1-A3A
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