



Refrigerant	R449A Dew Point
High Side Properties:	
Condensing Temperature, °C	36.50
Abs. Condensing Pressure, bar	15.21
Dew Point, °C	36.50
Bubble Point, °C	32.00
Saturated vapour enthalpy, kJ/kg	413.00
Specific volume of saturated vapour, dm ³ /kg	14.50
Liquid Temperature, °C	-0.70
Liquid enthalpy, kJ/kg	199.00
Low Side Properties:	
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 ³ /kg	213.00
Enthalpy, kJ/kg	425.00
Operating Conditions:	
Evaporating Temperature, °C	-35.00
Suction Return Temperature, °C	20.00
Ambient, °C	32.00
Condensing Unit Selected	ZXLE-025E-PFJ

**PERFORMANCE AT SPECIFIED OPERATING POINT
ZXLE-025E-PFJ Data at 50 Hz**

Cooling Capacity, kW	1.71
Total Power Input, kW	1.60
COP	1.07
Current at 230 V, A	7.00
Mass Flow, g/s	7.57
Heating Capacity, kW	3.13
Condensing Temperature, °C	36.50
Liquid Temperature LO, °C	-0.70

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX030E/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	79
Receiver Capacity, l	4.1
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.81
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Suction Type	Cu Tube
Suction Diameter, inch	3/4
Sound Pressure @ 10m (LT), dBA	37
Sound Pressure @ 10m (MT), dBA	37
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 (220-240 V / 1~ / 50 Hz)

Compressor Maximum Operating Current, A	15.6
Compressor Locked Rotor Current, A	73.7

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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