



Minimum Evaporating Temp. With:

- 10 K Suction Superheat     — 20 °C Suction Gas Return
- Maximum Evaporating Temperature     — Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	2.83	3.56	4.40	5.35	6.43	7.62	8.94	9.50	10.35
32.0		3.35	4.14	5.04	6.05	7.17	8.41	8.93	9.75
38.0			3.82	4.65	5.57	6.60	7.74	8.22	8.98
43.0				4.30	5.15	6.11	7.16	7.61	8.31
46.0				4.08	4.90	5.80			
49.0				3.86					

50 Hz

ZXME-030E-TFD

R449A Dew Point

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	1.82	1.89	1.96	2.04	2.12	2.22	2.33	2.38	2.46
32.0		2.12	2.20	2.28	2.37	2.47	2.58	2.63	2.71
38.0			2.53	2.62	2.71	2.82	2.93	2.98	3.06
43.0				2.94	3.04	3.15	3.26	3.31	3.39
46.0				3.15	3.26	3.37			
49.0				3.38					

Ambient °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	3.63	3.71	3.79	3.87	3.96	4.07	4.20	4.26	4.35
32.0		3.96	4.05	4.14	4.24	4.36	4.49	4.55	4.65
38.0			4.43	4.54	4.65	4.78	4.92	4.99	5.09
43.0				4.94	5.07	5.20	5.35	5.42	5.52
46.0				5.21	5.34	5.48			
49.0				5.51					

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	15.75	20.20	25.40	31.50	38.80	47.30	57.50	62.00	69.50
32.0		19.90	25.10	31.20	38.40	46.90	56.90	61.50	68.90
38.0			24.60	30.60	37.80	46.20	56.20	60.70	68.20
43.0				30.10	37.10	45.50	55.50	60.00	67.50
46.0				29.80	36.70	45.10			
49.0				29.40					

### **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 <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	3/4
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	7.2
Compressor Locked Rotor Current, A	40

### **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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### **MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00