



Minimum Evaporating Temp. With:

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

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0			2.36	2.90	3.53	4.24	4.55	5.04	5.47	
32.0			2.24	2.76	3.36	4.04	4.33	4.79	5.20	
38.0				2.58	3.14	3.78	4.05	4.49	4.87	
43.0					2.96	3.56	3.82	4.23	4.59	
46.0					2.85	3.42	3.67	4.06	4.41	
49.0						3.28	3.52	3.90	4.23	

50 Hz

ZXME-020E-TFD

R134a

Ambient °C	Total Power Input, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0			0.92	0.94	0.97	1.01	1.02	1.04	1.06	
32.0			1.01	1.03	1.06	1.10	1.12	1.14	1.16	
38.0				1.16	1.19	1.23	1.24	1.27	1.29	
43.0					1.30	1.34	1.36	1.39	1.41	
46.0					1.38	1.42	1.44	1.46	1.49	
49.0						1.50	1.52	1.55	1.58	

Ambient °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0			2.26	2.28	2.31	2.35	2.37	2.40	2.43	
32.0			2.36	2.39	2.43	2.47	2.49	2.52	2.54	
38.0				2.54	2.58	2.63	2.65	2.69	2.71	
43.0					2.74	2.79	2.82	2.85	2.88	
46.0					2.85	2.90	2.93	2.96	3.00	
49.0						3.02	3.05	3.09	3.12	

Ambient °C	Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0			13.80	17.25	21.30	26.20	28.30	31.80	35.00	
32.0			13.70	17.15	21.20	26.00	28.20	31.70	34.90	
38.0				17.00	21.10	25.90	28.00	31.50	34.70	
43.0					20.90	25.70	27.80	31.30	34.40	
46.0					20.80	25.50	27.70	31.10	34.30	
49.0						25.40	27.50	31.00	34.10	

### **CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	ZX020E/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	76
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	37
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	4.9
Compressor Locked Rotor Current, A	26

### **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