



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0			1.60	1.92	2.27	2.68	3.14	3.66	3.88	4.23
32.0				1.80	2.14	2.52	2.95	3.43	3.64	3.98
38.0					1.97	2.32	2.71	3.16	3.35	3.66
43.0						2.15	2.51			
46.0						2.05				
49.0										

50 Hz

ZXME-013E-PFJ

R407F Dew Point

Ambient °C	Total Power Input, kW									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0			0.88	0.93	0.98	1.04	1.10	1.18	1.23	1.29
32.0				1.02	1.08	1.14	1.20	1.30	1.34	1.40
38.0					1.20	1.26	1.34	1.44	1.48	1.55
43.0						1.38	1.46			
46.0						1.46				
49.0										

Ambient °C	Current at 230 V, A									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0			3.37	3.58	3.80	4.04	4.33	4.68	4.85	5.12
32.0				3.94	4.19	4.46	4.77	5.15	5.32	5.61
38.0					4.71	5.01	5.35	5.76	5.95	6.26
43.0						5.52	5.89			
46.0						5.84				
49.0										

Ambient °C	Mass Flow, g/s									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0			8.30	10.15	12.35	14.95	18.10	21.90	23.70	26.60
32.0				10.00	12.15	14.70	17.80	21.60	23.30	26.30
38.0					11.90	14.40	17.45	21.20	23.00	25.90
43.0						14.10	17.15			
46.0						13.95				
49.0										

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

Condenser/Fan Type	ZX013E/YDK50-6
Number of Fans	1
Total Fan Power Input, W	106
Depth/Width, mm	846/322
Height, mm	605
Base mounting (hole dia), mm	564 x 323 (12)
Net Weight, kg	56
Receiver Capacity, l	1.8
Liquid Line, inch	3/8
Air Flow, m <sup>3</sup> /s	0.66
High Side PS gauge, bar	31
Low Side PS gauge, bar	21.6
Suction Type	Cu Tube
Suction Diameter, inch	1/2
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 (220-240 V / 1~ / 50 Hz)**

Compressor Maximum Operating Current, A	7.2
Compressor Locked Rotor Current, A	45

### **ACCESSORIES INCLUDED**

Crankcase Heater	40 W External
Discharge Temperature Protection	Discharge Line Thermostat
Liquid sight glass	ALCO MIA 012
Compressor contactor	12 A
Control circuit fuse	12 A 10x38
Fan speed control	ALCO FSY42S
HP Switch	PS4-W1 21X28
Filter Drier	ALCO ADK Plus
LP Adjustable Pressure Switch	Alco PS1-W3A

### **ACCESSORIES OPTIONAL**

### **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>
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00

