



Minimum Evaporating Temp. With:

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

Suction Return Temperature 20.0°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	1.12	1.44	1.77	2.12	2.51	2.98	3.53	3.79	4.20
32.0		1.39	1.68	2.00	2.36	2.79	3.32	3.56	3.95
38.0			1.56	1.83	2.15	2.54	3.03	3.25	3.61
43.0				1.66	1.95	2.31	2.75		
46.0				1.55	1.82	2.15			
49.0									

50 Hz

ZXME-013E-PFJ

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	0.83	0.88	0.92	0.97	1.03	1.10	1.17	1.21	1.27
32.0		0.96	1.01	1.06	1.12	1.19	1.27	1.31	1.37
38.0			1.10	1.16	1.23	1.30	1.39	1.43	1.50
43.0				1.25	1.32	1.40	1.49		
46.0				1.30	1.37	1.45			
49.0									

Ambient °C	Current at 230 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	3.19	3.37	3.56	3.76	3.99	4.27	4.61	4.77	5.04
32.0		3.69	3.90	4.12	4.38	4.68	5.05	5.22	5.51
38.0			4.32	4.58	4.87	5.20	5.60	5.78	6.08
43.0				4.96	5.28	5.64	6.06		
46.0				5.18	5.51	5.89			
49.0									

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	6.19	8.19	10.25	12.50	15.25	18.65	23.00	25.10	28.80
32.0		8.28	10.20	12.40	15.05	18.40	22.80	24.90	28.60
38.0			10.05	12.10	14.65	17.95	22.30	24.40	28.20
43.0				11.65	14.05	17.25	21.60		
46.0				11.25	13.60	16.70			
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 ³ /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

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00

