



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- 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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	0.91	1.15	1.43	1.75	2.12	2.53	2.72	3.00	3.26	3.53
32.0	0.86	1.10	1.36	1.66	2.01	2.41	2.58	2.86	3.11	3.37
38.0	0.81	1.02	1.27	1.55	1.88	2.25	2.42	2.68	2.92	3.16
43.0		0.96	1.19	1.46	1.76	2.12	2.28	2.53	2.75	2.99
46.0		0.92	1.14	1.40	1.69	2.03	2.19	2.43	2.64	2.87
49.0			1.08	1.33	1.62	1.94	2.09	2.33	2.54	2.76

50 Hz

ZXME-013E-PFJ

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	0.58	0.61	0.64	0.67	0.70	0.72	0.74	0.76	0.77	0.79
32.0	0.62	0.65	0.68	0.72	0.76	0.79	0.81	0.83	0.85	0.87
38.0	0.68	0.71	0.75	0.79	0.83	0.87	0.89	0.92	0.94	0.96
43.0		0.77	0.81	0.85	0.90	0.94	0.96	0.99	1.02	1.04
46.0		0.80	0.85	0.89	0.94	0.99	1.01	1.04	1.06	1.10
49.0			0.88	0.93	0.98	1.03	1.05	1.08	1.11	1.14

Ambient °C	Current at 230 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	2.06	2.19	2.32	2.45	2.58	2.71	2.76	2.84	2.91	2.98
32.0	2.24	2.39	2.54	2.69	2.84	3.00	3.06	3.16	3.25	3.34
38.0	2.50	2.66	2.83	3.00	3.18	3.36	3.44	3.56	3.66	3.76
43.0		2.91	3.09	3.27	3.47	3.68	3.76	3.89	4.00	4.12
46.0		3.06	3.25	3.44	3.65	3.86	3.95	4.09	4.21	4.33
49.0			3.41	3.61	3.83	4.05	4.14	4.29	4.41	4.54

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	6.10	7.62	9.36	11.35	13.65	16.25	17.40	19.25	20.90	22.60
32.0	6.10	7.61	9.33	11.30	13.60	16.20	17.35	19.20	20.90	22.60
38.0	6.10	7.59	9.30	11.25	13.55	16.15	17.30	19.15	20.80	22.60
43.0		7.54	9.23	11.15	13.40	16.00	17.15	19.05	20.70	22.50
46.0		7.48	9.16	11.10	13.35	15.90	17.05	18.95	20.60	22.40
49.0			9.05	10.95	13.20	15.80	16.95	18.80	20.50	22.30

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	27
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 FSY41S
HP Switch	PS4-W1 21 X 26
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

