



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	1.88	2.40	2.99	3.67	4.43	5.28	6.22	6.62	7.25
32.0		2.21	2.77	3.41	4.13	4.93	5.81	6.18	6.77
38.0			2.49	3.08	3.74	4.47	5.29	5.63	6.17
43.0			2.25	2.79	3.40	4.08	4.83	5.15	5.65
46.0				2.61	3.18	3.83	4.54	4.85	5.33
49.0				2.42	2.96	3.57			

50 Hz

ZXME-020E-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	1.37	1.36	1.37	1.40	1.44	1.50	1.58	1.61	1.66
32.0		1.56	1.56	1.58	1.62	1.68	1.76	1.79	1.84
38.0			1.85	1.85	1.88	1.93	2.00	2.04	2.10
43.0			2.15	2.13	2.15	2.19	2.25	2.29	2.34
46.0				2.33	2.33	2.36	2.43	2.46	2.51
49.0				2.55	2.54	2.56			

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	2.60	2.59	2.60	2.63	2.68	2.74	2.82	2.86	2.92
32.0		2.81	2.81	2.83	2.88	2.94	3.03	3.07	3.14
38.0			3.14	3.15	3.19	3.25	3.34	3.38	3.45
43.0			3.51	3.50	3.52	3.57	3.66	3.70	3.77
46.0				3.75	3.76	3.80	3.88	3.92	4.00
49.0				4.03	4.02	4.06			

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	10.40	13.45	17.05	21.30	26.30	32.20	39.10	42.30	47.30
32.0		13.00	16.55	20.80	25.70	31.50	38.40	41.50	46.60
38.0			15.85	19.95	24.80	30.60	37.30	40.40	45.40
43.0			15.15	19.15	23.90	29.60	36.30	39.30	44.30
46.0				18.60	23.30	28.90	35.60	38.60	43.60
49.0				18.00	22.70	28.20			

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 ³ /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

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