



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	2.07	2.73	3.38	4.09	4.90	5.85	7.00	7.53	8.39
32.0	2.05	2.64	3.23	3.88	4.63	5.53	6.63	7.14	7.97
38.0		2.51	3.02	3.59	4.27	5.11	6.14	6.62	7.41
43.0			2.81	3.31	3.93	4.71	5.68	6.13	6.88
46.0				3.12	3.70	4.44	5.37	5.81	6.53
49.0				2.91	3.45	4.14	5.04		

50 Hz

ZXME-025E-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	1.30	1.38	1.44	1.51	1.58	1.66	1.76	1.80	1.88
32.0	1.42	1.50	1.58	1.65	1.73	1.82	1.92	1.96	2.05
38.0		1.66	1.76	1.84	1.92	2.02	2.13	2.18	2.26
43.0			1.90	2.00	2.09	2.19	2.31	2.37	2.45
46.0				2.10	2.20	2.30	2.43	2.48	2.57
49.0				2.20	2.31	2.42	2.54		

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	3.06	3.12	3.18	3.24	3.30	3.38	3.48	3.53	3.61
32.0	3.15	3.23	3.30	3.37	3.45	3.53	3.64	3.70	3.79
38.0		3.38	3.47	3.55	3.64	3.74	3.87	3.93	4.03
43.0			3.62	3.72	3.82	3.94	4.08	4.14	4.25
46.0				3.83	3.94	4.06	4.21	4.27	4.39
49.0				3.95	4.06	4.19	4.35		

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	11.35	15.20	19.10	23.50	28.70	35.20	43.40	47.30	53.90
32.0	11.75	15.35	19.10	23.30	28.50	34.90	43.20	47.20	54.00
38.0		15.55	19.00	23.00	28.00	34.30	42.70	46.70	53.70
43.0			18.65	22.40	27.20	33.50	41.90	46.00	53.10
46.0				21.90	26.60	32.80	41.20	45.30	52.50
49.0				21.20	25.70	31.90	40.20		

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX030E/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	79
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	4.8
Compressor Locked Rotor Current, A	38

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