



Minimum Evaporating Temp. With:

- 20 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	2.55	3.12	3.78	4.52	5.35	6.26	7.27	7.69	8.35
32.0	2.38	2.92	3.53	4.22	4.99	5.84	6.77	7.17	7.78
38.0	2.17	2.67	3.22	3.84	4.54	5.31	6.15	6.51	7.07
43.0		2.44	2.95	3.51	4.15	4.85	5.62	5.95	6.46
46.0			2.78	3.31	3.90	4.56	5.29	5.60	6.09
49.0			2.60	3.10	3.65	4.27	4.96		

50 Hz

ZXME-025E-TFD

R404A 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	1.49	1.58	1.66	1.73	1.78	1.83	1.86	1.88	1.89
32.0	1.62	1.72	1.81	1.88	1.94	2.00	2.04	2.05	2.06
38.0	1.78	1.90	2.00	2.09	2.16	2.22	2.26	2.27	2.29
43.0		2.06	2.18	2.27	2.35	2.41	2.46	2.48	2.49
46.0			2.29	2.39	2.47	2.54	2.59	2.61	2.62
49.0			2.40	2.51	2.60	2.67	2.73		

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	3.08	3.19	3.28	3.36	3.43	3.48	3.53	3.54	3.56
32.0	3.22	3.35	3.46	3.55	3.64	3.70	3.76	3.78	3.80
38.0	3.41	3.57	3.71	3.83	3.93	4.01	4.08	4.11	4.14
43.0		3.79	3.95	4.09	4.21	4.32	4.40	4.43	4.47
46.0			4.11	4.27	4.40	4.52	4.62	4.65	4.70
49.0			4.29	4.47	4.61	4.74	4.85		

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	17.90	22.30	27.60	33.80	41.00	49.60	59.60	64.10	71.50
32.0	17.75	22.10	27.30	33.50	40.70	49.20	59.30	63.80	71.30
38.0	17.50	21.80	27.00	33.10	40.20	48.70	58.80	63.40	70.90
43.0		21.50	26.60	32.60	39.80	48.20	58.40	63.10	70.80
46.0			26.40	32.30	39.50	48.00	58.20	63.00	70.80
49.0			26.10	32.10	39.20	47.70	58.20		

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
-------------------------------	--------------

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