



Minimum Evaporating Temp. With:

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

Suction Return Temperature 18.3°C

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	2.93	3.68	4.58	5.62	6.81	8.15	8.73	9.64	10.45	
32.0	2.77	3.49	4.35	5.34	6.47	7.74	8.29	9.15	9.91	
38.0		3.26	4.06	4.99	6.05	7.24	7.75	8.55	9.26	
43.0			3.81	4.69	5.68	6.80	7.28	8.04	8.70	
46.0			3.66	4.50	5.46	6.53	7.00	7.72	8.36	
49.0				4.31	5.23	6.26	6.71	7.40	8.01	

50 Hz

ZXME-040E-TFD

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	1.58	1.62	1.66	1.72	1.78	1.86	1.89	1.94	1.99	
32.0	1.74	1.78	1.83	1.89	1.96	2.04	2.07	2.13	2.18	
38.0		2.00	2.06	2.12	2.20	2.28	2.32	2.38	2.43	
43.0			2.27	2.34	2.42	2.51	2.55	2.61	2.67	
46.0			2.41	2.48	2.57	2.66	2.70	2.77	2.82	
49.0				2.64	2.73	2.82	2.86	2.93	2.98	

Ambient °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	3.55	3.57	3.60	3.65	3.71	3.79	3.82	3.88	3.93	
32.0	3.69	3.72	3.77	3.83	3.90	3.98	4.02	4.08	4.13	
38.0		3.94	4.01	4.08	4.16	4.26	4.30	4.36	4.42	
43.0			4.24	4.32	4.42	4.53	4.57	4.64	4.71	
46.0			4.40	4.49	4.59	4.71	4.75	4.83	4.90	
49.0				4.67	4.78	4.90	4.95	5.03	5.10	

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	16.95	21.60	27.20	34.00	42.00	51.50	55.70	62.60	68.90	
32.0	16.75	21.40	27.00	33.80	41.80	51.20	55.50	62.30	68.60	
38.0		21.10	26.70	33.40	41.40	50.80	55.00	61.90	68.10	
43.0			26.40	33.10	41.00	50.40	54.60	61.40	67.60	
46.0			26.20	32.80	40.80	50.10	54.30	61.10	67.30	
49.0				32.60	40.50	49.80	54.00	60.80	67.00	

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX040E/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	91
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	7/8
Sound Pressure @ 10m (MT), dBA	38
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	10.3
Compressor Locked Rotor Current, A	49.3

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