



Minimum Evaporating Temp. With:

- █ 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						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	5.31	6.37	7.53	8.80	10.20	11.65	12.30
32.0	4.92	5.89	6.95	8.12	9.39	10.75	11.30
38.0	4.40	5.27	6.22	7.27	8.40	9.61	10.10
43.0	3.95	4.73	5.58	6.52	7.53	8.63	9.09
46.0	3.66	4.39	5.18	6.05	7.00		
49.0	3.36	4.04					

Ambient °C	Total Power Input, kW						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	2.87	2.96	3.06	3.17	3.28	3.40	3.45
32.0	3.21	3.30	3.41	3.51	3.63	3.75	3.80
38.0	3.67	3.77	3.88	3.98	4.10	4.21	4.26
43.0	4.12	4.22	4.32	4.43	4.54	4.65	4.70
46.0	4.41	4.51	4.61	4.72	4.82		
49.0	4.73	4.82					

Ambient °C	Current at 400 V, A						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	6.59	6.72	6.86	7.02	7.18	7.36	7.44
32.0	7.06	7.21	7.36	7.52	7.70	7.88	7.96
38.0	7.74	7.90	8.07	8.24	8.42	8.61	8.69
43.0	8.43	8.60	8.77	8.94	9.12	9.31	9.39
46.0	8.89	9.06	9.24	9.41	9.59		
49.0	9.40	9.58					

Ambient °C	Mass Flow, g/s						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	39.40	48.40	58.90	71.30	85.80	103.00	110.50
32.0	38.80	47.70	58.00	70.20	84.60	101.50	109.50
38.0	37.80	46.50	56.70	68.70	82.90	100.00	108.00
43.0	36.80	45.30	55.30	67.20	81.40	98.60	106.50
46.0	36.00	44.50	54.40	66.30	80.50		
49.0	35.20	43.60					

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
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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