



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return
- █ Maximum Evaporating Temperature
- █ Maximum Pressure Limit

Suction Return Temperature 20.0°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	5.34	6.39	7.56	8.84	10.25	11.70	12.35
32.0	4.94	5.91	6.99	8.16	9.44	10.80	11.40
38.0	4.43	5.30	6.26	7.31	8.45	9.67	10.20
43.0	3.98	4.76	5.62	6.56	7.59	8.69	9.16
46.0	3.69	4.42	5.22	6.10	7.05		
49.0	3.39	4.07					

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	3.41	3.46
32.0	3.21	3.31	3.41	3.52	3.63	3.75	3.80
38.0	3.68	3.78	3.88	3.99	4.10	4.22	4.27
43.0	4.12	4.22	4.33	4.43	4.54	4.66	4.71
46.0	4.42	4.52	4.62	4.72	4.83		
49.0	4.73	4.83					

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	6.87	7.02	7.19	7.37	7.45
32.0	7.06	7.21	7.37	7.53	7.71	7.89	7.97
38.0	7.75	7.91	8.08	8.25	8.43	8.62	8.70
43.0	8.43	8.60	8.77	8.95	9.13	9.33	9.40
46.0	8.90	9.07	9.25	9.42	9.60		
49.0	9.41	9.58					

Ambient °C	Mass Flow, g/s						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	39.20	48.10	58.50	70.70	85.00	102.00	109.50
32.0	38.50	47.30	57.60	69.70	83.90	100.50	108.50
38.0	37.60	46.20	56.30	68.20	82.20	99.10	107.00
43.0	36.50	45.00	54.90	66.70	80.70	97.70	105.50
46.0	35.80	44.20	54.10	65.80	79.90		
49.0	35.00	43.30					

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
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
Base mounting (hole dia), mm	580 x 388 (12)
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