



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	3.96	4.76	5.64	6.62	7.68	8.83	9.31
32.0	3.67	4.40	5.22	6.12	7.09	8.15	8.60
38.0	3.30	3.96	4.68	5.49	6.36	7.31	7.71
43.0	2.96	3.56	4.22	4.94	5.73	6.59	6.95
46.0	2.76	3.31	3.92	4.60	5.34	6.14	
49.0	2.54	3.06	3.62	4.25			

Ambient °C	Total Power Input, kW						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	2.13	2.19	2.25	2.32	2.39	2.47	2.50
32.0	2.37	2.44	2.50	2.57	2.64	2.72	2.75
38.0	2.71	2.78	2.84	2.91	2.98	3.06	3.09
43.0	3.04	3.10	3.17	3.23	3.31	3.38	3.41
46.0	3.25	3.31	3.38	3.45	3.51	3.58	
49.0	3.48	3.54	3.61	3.67			

Ambient °C	Current at 400 V, A						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	3.96	4.03	4.10	4.18	4.27	4.36	4.40
32.0	4.24	4.31	4.39	4.48	4.57	4.67	4.71
38.0	4.64	4.72	4.81	4.90	4.99	5.09	5.13
43.0	5.04	5.13	5.22	5.31	5.41	5.50	5.54
46.0	5.31	5.41	5.50	5.59	5.68	5.78	
49.0	5.61	5.71	5.80	5.89			

Ambient °C	Mass Flow, g/s						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	29.00	35.60	43.30	52.40	63.10	75.70	81.30
32.0	28.50	35.10	42.70	51.70	62.20	74.70	80.40
38.0	27.80	34.20	41.70	50.60	61.00	73.50	79.20
43.0	27.10	33.40	40.80	49.50	59.90	72.50	78.20
46.0	26.50	32.80	40.10	48.80	59.20	71.90	
49.0	26.00	32.10	39.40	48.10			

**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 <sup>3</sup> /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	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	7.2
Compressor Locked Rotor Current, A	40

**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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00