



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	2.67	3.25	3.89	4.60	5.36	6.19	6.54
32.0	2.43	2.97	3.57	4.22	4.92	5.68	5.99
38.0	2.11	2.61	3.15	3.73	4.36	5.04	5.32
43.0	1.81	2.28	2.77	3.31	3.88	4.49	4.74
46.0	1.62	2.07	2.54	3.04	3.57	4.15	4.38
49.0	1.42	1.85	2.29	2.76	3.26		

Ambient °C	Total Power Input, kW						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	1.54	1.56	1.57	1.58	1.60	1.64	1.67
32.0	1.75	1.76	1.76	1.78	1.79	1.82	1.84
38.0	2.07	2.06	2.05	2.05	2.05	2.07	2.09
43.0	2.39	2.37	2.35	2.32	2.31	2.32	2.32
46.0	2.62	2.59	2.55	2.51	2.49	2.48	2.49
49.0	2.88	2.83	2.77	2.72	2.68		

Ambient °C	Current at 400 V, A						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	2.78	2.80	2.81	2.82	2.85	2.90	2.93
32.0	3.02	3.04	3.04	3.05	3.07	3.11	3.14
38.0	3.41	3.40	3.39	3.39	3.39	3.42	3.44
43.0	3.82	3.80	3.77	3.74	3.73	3.74	3.75
46.0	4.12	4.09	4.04	4.00	3.97	3.96	3.97
49.0	4.47	4.41	4.34	4.28	4.23		

Ambient °C	Mass Flow, g/s						
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	19.30	24.00	29.40	35.70	43.00	51.50	55.40
32.0	18.60	23.30	28.60	34.80	42.00	50.40	54.20
38.0	17.50	22.10	27.40	33.50	40.60	48.80	52.50
43.0	16.25	20.90	26.20	32.20	39.10	47.30	51.00
46.0	15.35	20.00	25.30	31.30	38.20	46.30	50.00
49.0	14.25	19.00	24.30	30.20	37.10		

### **CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	ZX020E/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	76
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	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	4.9
Compressor Locked Rotor Current, A	26

### **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