



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 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	10.0	12.5	15.0
27.0	2.17	2.75	3.39	4.14	4.99	5.97	6.40			
32.0	2.06	2.62	3.23	3.94	4.74	5.67	6.08			
38.0		2.46	3.04	3.70	4.45	5.31	5.69			
43.0		2.34	2.88	3.50	4.20	5.01	5.36			
46.0			2.79	3.38	4.05	4.83	5.17			
49.0			2.70	3.26	3.90	4.64	4.97			

50 Hz

ZXDE-030E-TFD

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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	1.20	1.27	1.34	1.40	1.50	1.60	1.64			
32.0	1.28	1.36	1.44	1.52	1.60	1.70	1.74			
38.0		1.47	1.56	1.66	1.74	1.84	1.88			
43.0		1.56	1.68	1.78	1.88	1.98	2.02			
46.0			1.74	1.86	1.96	2.07	2.11			
49.0			1.81	1.94	2.05	2.16	2.20			

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	2.58	2.71	2.83	2.96	3.10	3.26	3.33			
32.0	2.73	2.87	3.00	3.13	3.26	3.42	3.48			
38.0		3.06	3.21	3.34	3.48	3.62	3.68			
43.0		3.21	3.38	3.53	3.67	3.81	3.87			
46.0			3.48	3.64	3.79	3.93	3.99			
49.0			3.58	3.75	3.91	4.05	4.11			

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	14.40	18.00	22.00	26.50	31.70	37.80	40.40			
32.0	14.40	18.00	22.00	26.50	31.60	37.60	40.20			
38.0		18.05	22.00	26.40	31.50	37.30	39.90			
43.0		18.15	22.10	26.40	31.40	37.10	39.70			
46.0			22.10	26.50	31.40	37.00	39.60			
49.0			22.20	26.50	31.30	37.00	39.40			

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 ³ /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	39
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	6.7
Compressor Locked Rotor Current, A	40

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Liquid Injection	DTC Valve
Oil separator	ALCO OSH-404
Liquid sight glass	ALCO MIA 012
Compressor contactor	18 A
Control circuit fuse	S7-904-5355-0
HP Switch	ALCO PS3 WDS (Automatic reset)
Electronic controller	Emerson XCM25D
Filter Drier	ALCO ADK Plus
Circuit breaker, over current relay	10 A

ACCESSORIES OPTIONAL

LP Adjustable Pressure Switch	Alco PS1-A3A
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50 Hz

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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