



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	2.39	2.98	3.66	4.44	5.33	6.33	6.77	7.45	8.04	
32.0	2.22	2.80	3.46	4.20	5.03	5.97	6.37	7.00	7.55	
38.0		2.55	3.19	3.89	4.66	5.52	5.89	6.46	6.96	
43.0			2.95	3.62	4.34	5.14	5.47	6.00	6.46	
46.0			2.79	3.44	4.14	4.90	5.22	5.72	6.16	
49.0				3.26	3.93	4.66	4.96	5.44	5.85	

Additional restrictions, please see application guidelines

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	1.16	1.20	1.24	1.28	1.32	1.36	1.39	1.42	1.46	
32.0	1.25	1.30	1.35	1.40	1.44	1.49	1.52	1.55	1.58	
38.0		1.44	1.50	1.56	1.61	1.66	1.68	1.72	1.75	
43.0			1.64	1.70	1.76	1.82	1.84	1.88	1.90	
46.0			1.74	1.80	1.86	1.92	1.95	1.98	2.01	
49.0				1.90	1.98	2.03	2.06	2.09	2.12	

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	2.78	2.83	2.87	2.92	2.98	3.04	3.07	3.11	3.15	
32.0	2.90	2.96	3.01	3.07	3.12	3.19	3.22	3.26	3.30	
38.0		3.13	3.19	3.26	3.32	3.39	3.42	3.46	3.50	
43.0			3.36	3.44	3.51	3.58	3.61	3.65	3.69	
46.0			3.47	3.56	3.63	3.70	3.73	3.78	3.82	
49.0				3.68	3.76	3.84	3.87	3.91	3.95	

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	15.70	19.85	24.70	30.60	37.50	45.70	49.30	55.30	60.70	
32.0	15.25	19.55	24.50	30.40	37.20	45.30	48.90	54.70	60.00	
38.0		19.00	24.10	30.00	36.80	44.70	48.30	54.00	59.20	
43.0			23.60	29.60	36.40	44.20	47.70	53.40	58.50	
46.0			23.20	29.20	36.10	43.90	47.30	52.90	58.00	
49.0				28.80	35.70	43.50	46.90	52.50	57.50	

Additional restrictions, please see application guidelines

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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Additional restrictions, please see application guidelines

50 Hz

ZXDE-030E-TFD

R513A

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

Additional restrictions, please see application guidelines