



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								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	4.96	6.16	7.55	9.13	10.90	12.95	15.20	16.15	17.65
32.0		5.81	7.13	8.63	10.35	12.25	14.35	15.25	16.70
38.0			6.60	8.00	9.58	11.35	13.35	14.20	15.50
43.0			6.14	7.45	8.93	10.60	12.45	13.25	14.50
46.0				7.11	8.53	10.10	11.90	12.65	
49.0				6.76	8.11				

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	2.75	2.95	3.16	3.37	3.60	3.84	4.09	4.20	4.37
32.0		3.22	3.44	3.67	3.91	4.16	4.43	4.54	4.71
38.0			3.82	4.07	4.32	4.59	4.87	4.98	5.16
43.0			4.17	4.43	4.69	4.97	5.26	5.38	5.57
46.0				4.66	4.93	5.22	5.51	5.64	
49.0				4.91	5.19				

Ambient °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	5.44	5.61	5.81	6.02	6.25	6.51	6.79	6.91	7.11
32.0		5.87	6.09	6.33	6.59	6.87	7.18	7.31	7.52
38.0			6.50	6.76	7.05	7.37	7.71	7.85	8.08
43.0			6.89	7.18	7.50	7.84	8.20	8.35	8.59
46.0				7.46	7.79	8.14	8.52	8.68	
49.0				7.76	8.10				

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	27.40	34.60	43.10	53.20	65.20	79.30	96.20	104.00	116.50
32.0		34.20	42.70	52.70	64.70	78.90	95.70	103.50	116.00
38.0			42.00	52.10	64.00	78.10	95.10	103.00	115.50
43.0			41.40	51.40	63.30	77.50	94.50	102.50	115.00
46.0				50.90	62.80	77.00	94.20	102.00	
49.0				50.40	62.30				

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZXM_2F/60 W
Number of Fans	2
Total Fan Power Input, W	246
Depth/Width, mm	1035/447
Height, mm	1244
Base mounting (hole dia), mm	580 x 388 (12)
Net Weight, kg	108
Receiver Capacity, l	5.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1.64
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Suction Type	Cu Tube
Suction Diameter, inch	7/8
Sound Pressure @ 10m (MT), dBA	41
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	11.3
Compressor Locked Rotor Current, A	64

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Liquid Injection	DTC Valve
Oil separator	ALCO OSH-404
Liquid sight glass	ALCO MIA 012
Compressor contactor	12 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	20 A

ACCESSORIES OPTIONAL

LP Adjustable Pressure Switch	Alco PS1-A3A
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50 Hz

ZXDE-050E-TFD

R449A Dew Point

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