



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 20.0°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	4.97	6.17	7.56	9.15	10.95	12.95	15.20	16.15	17.70
32.0		5.83	7.15	8.65	10.35	12.25	14.40	15.30	16.75
38.0			6.62	8.02	9.61	11.40	13.35	14.20	15.55
43.0			6.16	7.48	8.96	10.65	12.50	13.30	14.55
46.0				7.14	8.56	10.15	11.95	12.70	
49.0				6.79	8.15				

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	4.72
38.0			3.82	4.07	4.32	4.59	4.87	4.98	5.17
43.0			4.17	4.43	4.70	4.97	5.26	5.39	5.57
46.0				4.66	4.94	5.22	5.52	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	6.92	7.11
32.0		5.87	6.09	6.33	6.59	6.87	7.18	7.31	7.52
38.0			6.50	6.77	7.05	7.37	7.71	7.85	8.08
43.0			6.89	7.18	7.50	7.84	8.20	8.36	8.60
46.0				7.46	7.79	8.15	8.53	8.69	
49.0				7.76	8.11				

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	27.30	34.40	42.80	52.80	64.70	78.70	95.40	103.00	115.00
32.0		34.00	42.40	52.40	64.20	78.30	94.90	102.50	115.00
38.0			41.80	51.70	63.50	77.50	94.30	102.00	114.50
43.0			41.10	51.00	62.80	76.90	93.70	101.50	114.00
46.0				50.60	62.30	76.40	93.40	101.00	
49.0				50.10	61.80				

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