



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	10.0
27.0	6.78	8.12	9.63	11.30	13.15	15.10	15.95	17.20
32.0	6.33	7.59	8.98	10.55	12.20	14.00	14.80	15.95
38.0	5.79	6.92	8.17	9.54	11.05	12.65	13.35	14.40
43.0	5.32	6.33	7.45	8.68	10.00	11.45	12.10	13.00
46.0	5.03	5.96	7.00	8.13	9.37	10.70	11.30	12.15
49.0	4.73	5.58	6.53	7.57	8.71			

Ambient °C	Total Power Input, kW							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	3.32	3.52	3.73	3.94	4.15	4.36	4.44	4.56
32.0	3.58	3.80	4.02	4.25	4.47	4.69	4.78	4.91
38.0	3.93	4.16	4.40	4.64	4.88	5.12	5.21	5.35
43.0	4.26	4.51	4.76	5.01	5.26	5.51	5.60	5.75
46.0	4.49	4.74	4.99	5.25	5.50	5.75	5.85	6.00
49.0	4.73	4.98	5.24	5.50	5.76			

Ambient °C	Current at 400 V, A							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	6.28	6.50	6.72	6.95	7.19	7.44	7.54	7.71
32.0	6.58	6.84	7.09	7.34	7.60	7.86	7.97	8.14
38.0	6.99	7.28	7.57	7.86	8.14	8.42	8.54	8.72
43.0	7.36	7.70	8.02	8.33	8.64	8.94	9.06	9.25
46.0	7.61	7.97	8.32	8.64	8.96	9.28	9.40	9.59
49.0	7.88	8.26	8.63	8.97	9.30			

Ambient °C	Mass Flow, g/s							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	49.00	60.00	73.00	88.30	106.00	127.00	136.50	151.50
32.0	48.60	59.50	72.40	87.50	105.00	126.00	135.50	150.50
38.0	48.10	58.80	71.40	86.30	103.50	124.50	133.50	149.00
43.0	47.60	58.10	70.40	84.90	102.00	122.50	132.00	147.50
46.0	47.40	57.60	69.70	84.00	101.00	121.50	131.00	146.50
49.0	47.10	57.10	68.90	83.00	99.90			

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
-------------------------------	--------------

50 Hz

ZXDE-050E-TFD

R404A 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