



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return — 0 °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										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	3.74	4.64	5.70	6.91	8.25	9.72	11.30	12.95	14.70	16.55	17.25
32.0	3.61	4.49	5.50	6.64	7.90	9.27	10.75	12.25	13.90	15.55	16.20
38.0		4.28	5.24	6.29	7.45	8.68	10.00	11.40	12.80	14.30	14.90
43.0		4.10	5.00	5.98	7.04	8.17	9.36	10.60			
46.0					6.78	7.84					
49.0											

Ambient °C	Total Power Input, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	3.04	3.23	3.43	3.65	3.87	4.11	4.36	4.61	4.87	5.14	5.25
32.0	3.36	3.57	3.79	4.03	4.28	4.53	4.80	5.08	5.37	5.66	5.78
38.0		4.06	4.30	4.56	4.84	5.13	5.42	5.73	6.04	6.36	6.49
43.0		4.54	4.81	5.09	5.39	5.70	6.02	6.34			
46.0					5.76	6.08					
49.0											

Ambient °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	4.84	5.02	5.24	5.49	5.78	6.09	6.42	6.77	7.14	7.52	7.67
32.0	5.16	5.40	5.68	5.98	6.32	6.68	7.06	7.46	7.87	8.28	8.44
38.0		6.02	6.36	6.73	7.12	7.54	7.98	8.43	8.88	9.33	9.50
43.0		6.68	7.07	7.49	7.94	8.40	8.88	9.36			
46.0					8.49	8.98					
49.0											

Ambient °C	Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	19.90	25.50	32.00	39.70	49.00	60.10	73.40	89.10	107.50	129.00	138.50
32.0	19.65	25.10	31.50	39.20	48.30	59.30	72.40	87.90	106.00	127.50	137.00
38.0		24.60	30.90	38.40	47.40	58.20	71.10	86.40	104.50	125.50	134.50
43.0		24.20	30.30	37.70	46.50	57.10	69.80	84.90			
46.0					46.00	56.50					
49.0											

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZXL_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	106
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 (LT), dBA	41
Sound Pressure @ 10m (MT), dBA	41
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35.0/40.0/20.0 °C at 50 Hz
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	11.9
Compressor Locked Rotor Current, A	51.5

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
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
Vapour Injection	Expansion Valve
Circuit breaker, over current relay	20 A
Suction Accumulator	ALCO A12-507

50 Hz

ZXLE-050E-TFD

R404A Dew Point

ACCESSORIES OPTIONAL

LP Adjustable Pressure Switch

Alco PS1-A3A

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00