



Minimum Evaporating Temp. With:

- 20 K Suction Superheat — 20 K Suction Superheat Liquid injection
- 20 °C Suction Gas Return Liquid injection
- 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	2.91	3.75	4.74	5.89	7.20	8.67	10.30	12.05	14.00	16.05	16.90
32.0	2.81	3.62	4.56	5.65	6.89	8.27	9.79	11.45	13.25	15.20	16.00
38.0	2.69	3.44	4.32	5.33				10.65	12.35		
43.0											
46.0											
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	2.41	2.64	2.86	3.06	3.25	3.44	3.62	3.81	4.00	4.19	4.26
32.0	2.68	2.94	3.18	3.40	3.61	3.80	4.00	4.18	4.37	4.56	4.63
38.0	3.06	3.36	3.63	3.88				4.71	4.89		
43.0											
46.0											
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	3.98	4.36	4.70	5.01	5.30	5.56	5.80	6.04	6.25	6.45	6.53
32.0	4.44	4.84	5.19	5.51	5.79	6.04	6.26	6.47	6.65	6.82	6.88
38.0	5.02	5.45	5.81	6.13				7.00	7.15		
43.0											
46.0											
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	12.75	16.75	21.50	27.30	34.30	42.60	52.50	64.20	77.80	93.60	100.50
32.0	12.50	16.45	21.10	26.80	33.60	41.70	51.50	62.90	76.40	91.90	98.80
38.0	12.20	15.95	20.50	26.00				61.30	74.40		
43.0											
46.0											
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

R449A 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