



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	2.12	2.64	3.24	3.93	4.70	5.58	6.57	7.66	8.86	10.20	10.75
32.0	2.03	2.54	3.12	3.78	4.52	5.35	6.29	7.32	8.46	9.70	10.25
38.0		2.42	2.96	3.58	4.27	5.05	5.91	6.87	7.93	9.09	9.58
43.0		2.30	2.81	3.39	4.04	4.76	5.57	6.47	7.46		
46.0			2.72	3.27	3.89	4.58	5.36	6.22			
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	1.80	1.90	1.98	2.07	2.16	2.25	2.34	2.44	2.54	2.64	2.69
32.0	2.03	2.12	2.21	2.31	2.41	2.51	2.61	2.71	2.82	2.94	2.99
38.0		2.44	2.55	2.65	2.76	2.86	2.98	3.09	3.21	3.34	3.39
43.0		2.76	2.87	2.98	3.09	3.21	3.33	3.45	3.58		
46.0			3.09	3.20	3.32	3.44	3.56	3.69			
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	3.60	3.71	3.81	3.92	4.03	4.15	4.28	4.42	4.56	4.71	4.78
32.0	3.87	3.99	4.11	4.24	4.37	4.51	4.66	4.82	4.98	5.16	5.23
38.0		4.43	4.57	4.72	4.88	5.04	5.21	5.40	5.59	5.79	5.88
43.0		4.89	5.05	5.22	5.40	5.58	5.77	5.97	6.19		
46.0			5.39	5.57	5.76	5.95	6.15	6.37			
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	10.85	14.00	17.70	22.10	27.40	33.80	41.40	50.40	61.00	73.30	78.80
32.0	10.70	13.80	17.45	21.90	27.10	33.50	41.00	50.00	60.50	72.70	78.10
38.0		13.55	17.15	21.50	26.70	33.00	40.50	49.40	59.80	72.00	77.30
43.0		13.30	16.85	21.20	26.30	32.60	40.00	48.80	59.20		
46.0			16.70	20.90	26.10	32.30	39.60	48.40			
49.0											

**CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	ZX030E/60 W
Number of Fans	1
Total Fan Power Input, W	116
Depth/Width, mm	1035/446
Height, mm	840
Base mounting (hole dia), mm	580 x 388 (12)
Net Weight, kg	81
Receiver Capacity, l	4.1
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	0.81
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Suction Type	Cu Tube
Suction Diameter, inch	3/4
Sound Pressure @ 10m (LT), dBA	37
Sound Pressure @ 10m (MT), dBA	37
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	6.7
Compressor Locked Rotor Current, A	35.7

**ACCESSORIES INCLUDED**

Crankcase Heater	70 W External
Oil separator	ALCO OSH-404
Liquid sight glass	ALCO MIA 012
Compressor contactor	18 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	10 A
Suction Accumulator	ALCO A09-507

50 Hz

ZXLE-030E-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