



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	3.30	4.10	5.03	6.08	7.25	8.53	9.89	11.30	12.80	14.35	15.00
32.0	3.18	3.96	4.84	5.84	6.94	8.12	9.38	10.70	12.05	13.45	14.05
38.0		3.77	4.61	5.53	6.53	7.60	8.73	9.90	11.10	12.35	
43.0			4.39	5.24	6.16	7.13	8.15				
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	2.62	2.79	2.98	3.18	3.39	3.61	3.84	4.09	4.34	4.59	4.70
32.0	2.91	3.10	3.30	3.52	3.75	4.00	4.25	4.51	4.79	5.07	5.18
38.0		3.54	3.77	4.01	4.26	4.53	4.81	5.10	5.40	5.70	
43.0			4.23	4.49	4.77	5.05	5.35				
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	4.33	4.55	4.79	5.05	5.32	5.62	5.93	6.27	6.62	6.98	7.13
32.0	4.70	4.94	5.21	5.50	5.81	6.14	6.50	6.87	7.25	7.65	7.81
38.0		5.52	5.83	6.16	6.52	6.89	7.29	7.70	8.13	8.57	
43.0			6.46	6.83	7.22	7.63	8.07				
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	17.60	22.50	28.20	35.10	43.30	53.10	64.80	78.60	94.80	113.50	122.00
32.0	17.35	22.20	27.80	34.60	42.70	52.30	63.90	77.50	93.60	112.50	120.50
38.0		21.70	27.30	33.90	41.80	51.30	62.70	76.10	92.00	110.50	
43.0			26.80	33.20	41.00	50.40	61.60				
46.0											
49.0											

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	ZX040E/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	93
Receiver Capacity, l	4.1
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.81
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	38
Sound Pressure @ 10m (MT), dBA	38
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	9.2
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	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-040E-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