



Minimum Evaporating Temp. With:

— 20 °C Suction Gas Return Liquid injection

— Maximum Evaporating Temperature

— Maximum Pressure Limit

Suction Superheat 10.0K

Liquid Subcooling 2.0K

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	2.13	2.65	3.25	3.91	4.64	5.43	6.26	7.14	8.05		
32.0	1.96	2.44	2.98	3.59	4.25	4.97	5.73	6.52			
38.0	1.74	2.17	2.65	3.18	3.75	4.38					
43.0	1.54	1.92	2.34								
46.0											
49.0											

50 Hz

ZXLY-040E-TFD

R455A Arith. Mean Temp.

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	1.94	2.13	2.35	2.59	2.86	3.17	3.53	3.93	4.39		
32.0	2.20	2.41	2.65	2.91	3.21	3.55	3.94	4.38			
38.0	2.63	2.87	3.13	3.43	3.76	4.13					
43.0	3.13	3.39	3.68								
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	5.39	5.53	5.69	5.88	6.11	6.39	6.74	7.18	7.73		
32.0	5.58	5.74	5.93	6.16	6.43	6.77	7.18	7.69			
38.0	5.92	6.12	6.35	6.64	6.97	7.38					
43.0	6.34	6.58	6.87								
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	15.55	19.40	23.90	29.00	34.90	41.70	49.40	58.30	68.60		
32.0	15.30	19.10	23.50	28.50	34.30	41.00	48.60	57.50			
38.0	14.95	18.70	23.00	27.90	33.50	40.10					
43.0	14.65	18.30	22.50								
46.0											
49.0											

### **CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	066-0547-00_3/A6E450-AF13-16
Number of Fans	1
Total Fan Power Input, W	121
Depth/Width, mm	1035/446
Height, mm	840
Base mounting (hole dia), mm	580 x 388 (15)
Net Weight, kg	91
Receiver Capacity, l	3.9
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	0.97
High Side PS gauge, bar	31
Low Side PS gauge, bar	22
Suction Type	Cu Tube
Suction Diameter, inch	7/8
Sound Pressure @ 10m (MT), dBA	38
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	8
Compressor Locked Rotor Current, A	51.5

### **ACCESSORIES INCLUDED**

Crankcase Heater	40 W External
Liquid sight glass	ALCO MIA 012
Compressor contactor	12 A
HP Switch	PS4-W1 22X31
Electronic controller	Emerson XCM25D
Filter Drier	ALCO ADK Plus

### **ACCESSORIES OPTIONAL**

### **MOTOR OPTIONS**

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