



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	1.74	2.16	2.64	3.18	3.75	4.34	4.93				
32.0	1.61	2.00	2.43	2.91	3.41	3.92					
38.0	1.44	1.79	2.16								
43.0	1.28										
46.0											
49.0											

50 Hz

ZXLY-040E-TFD

R454C 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	1.77	1.96	2.18	2.46	2.82	3.31	3.96				
32.0	1.97	2.19	2.47	2.82	3.28	3.88					
38.0	2.31	2.60	2.97								
43.0	2.70										
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	5.27	5.39	5.54	5.76	6.07	6.52	7.17				
32.0	5.40	5.56	5.78	6.07	6.49	7.08					
38.0	5.66	5.89	6.21								
43.0	6.00										
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	13.85	17.30	21.30	26.00	31.40	37.70	45.00				
32.0	13.75	17.20	21.20	25.80	31.20	37.40					
38.0	13.65	17.15	21.10								
43.0	13.60										
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