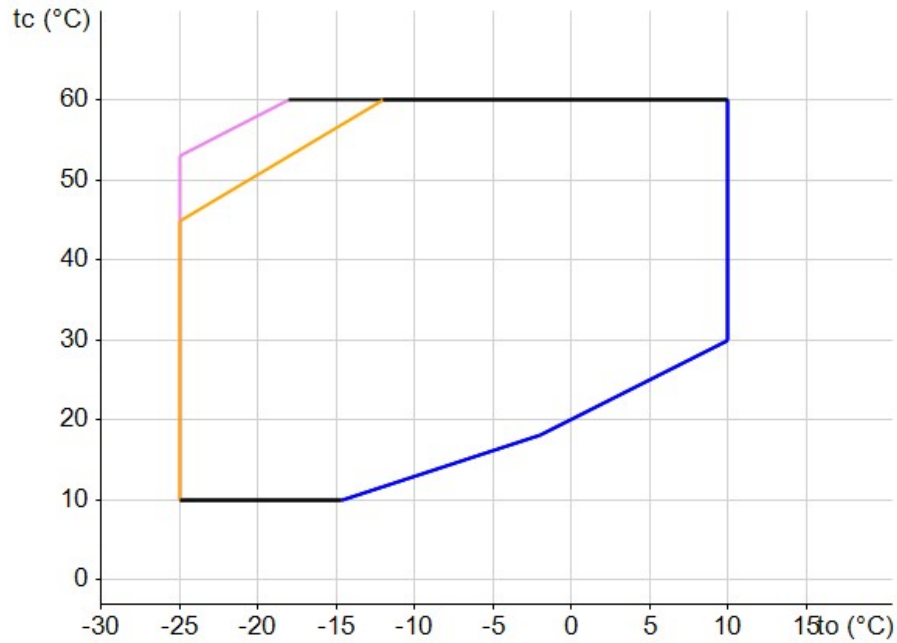


50 Hz

ZXDY-040E-TFD

R455A Arith. Mean Temp.



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Superheat 10.0K

Liquid Subcooling 2.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	4.18	5.09	6.15	7.37	8.73	10.25	11.90	12.65	13.75
32.0	3.90	4.76	5.74	6.86	8.13	9.55	11.10	11.75	12.80
38.0	3.56	4.34	5.23	6.25	7.40	8.69	10.10	10.70	11.65
43.0	3.26	3.98	4.80	5.73	6.79	7.97	9.27	9.83	
46.0	3.08	3.76	4.54	5.42	6.41	7.53			
49.0		3.54	4.27	5.09	6.03				

50 Hz

ZXDY-040E-TFD

R455A Arith. Mean Temp.

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	2.41	2.56	2.71	2.88	3.06	3.25	3.47	3.56	3.71
32.0	2.61	2.77	2.93	3.11	3.30	3.51	3.73	3.83	3.99
38.0	2.87	3.04	3.22	3.42	3.62	3.85	4.09	4.20	4.37
43.0	3.11	3.30	3.50	3.70	3.92	4.16	4.42	4.53	
46.0	3.28	3.47	3.68	3.89	4.12	4.37			
49.0		3.66	3.87	4.09	4.33				

Ambient °C	Current at 400 V, A								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	4.10	4.29	4.48	4.69	4.92	5.17	5.45	5.58	5.78
32.0	4.34	4.54	4.75	4.98	5.23	5.51	5.81	5.95	6.16
38.0	4.67	4.90	5.13	5.39	5.66	5.96	6.30	6.44	6.67
43.0	4.99	5.24	5.50	5.77	6.07	6.39	6.75	6.91	
46.0	5.20	5.46	5.74	6.02	6.34	6.67			
49.0		5.71	6.00	6.30	6.62				

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	27.60	33.50	40.40	48.50	57.80	68.40	80.60	85.90	94.40
32.0	27.30	33.10	39.80	47.70	56.80	67.20	79.20	84.40	92.80
38.0	26.80	32.50	39.10	46.70	55.60	65.80	77.50	82.70	91.00
43.0	26.40	32.00	38.40	45.90	54.50	64.50	76.10	81.20	
46.0	26.10	31.70	38.00	45.30	53.90	63.80			
49.0		31.30	37.60	44.80	53.20				

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	066-0546-00_DY1/A6E450-AF13-16
Number of Fans	2
Total Fan Power Input, W	242
Depth/Width, mm	1035/447
Height, mm	1244
Base mounting (hole dia), mm	580 x 388 (15)
Net Weight, kg	106
Receiver Capacity, l	5.9
Liquid Line, inch	1/2
Air Flow, m³/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	42
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	10
Compressor Locked Rotor Current, A	48

ACCESSORIES INCLUDED

Crankcase Heater	40 W External
Oil separator	Gokceler
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

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