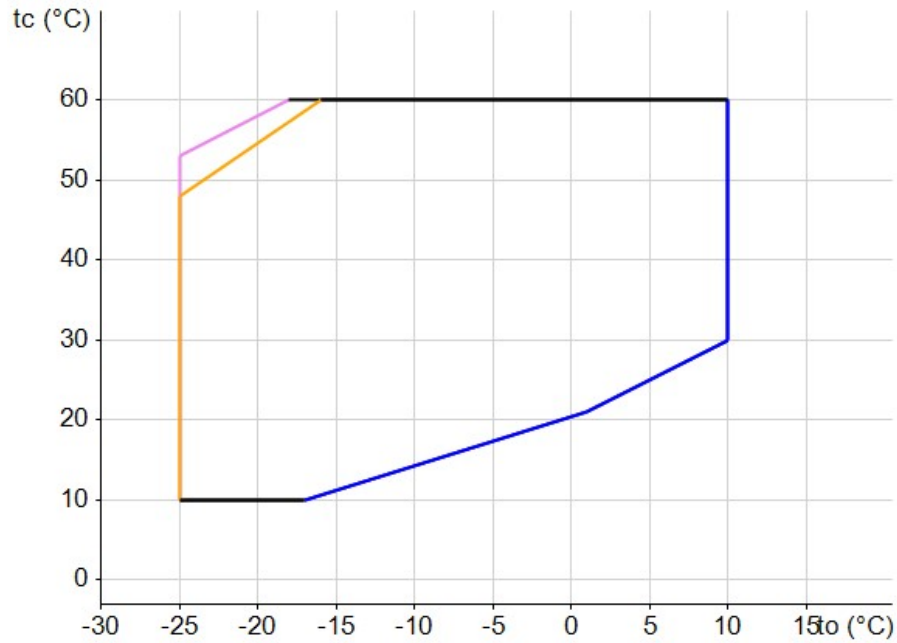


50 Hz

ZXDY-050E-TFD

R454C 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	4.64	5.74	7.01	8.45	10.05	11.85	13.85	14.70	16.00
32.0	4.32	5.35	6.54	7.89	9.41	11.10	12.95	13.75	14.95
38.0	3.93	4.87	5.96	7.20	8.60	10.15	11.85	12.60	13.75
43.0	3.60	4.47	5.47	6.61	7.91	9.35	10.95	11.65	12.70
46.0	3.39	4.22	5.17	6.26	7.49	8.86	10.40		
49.0		3.97	4.87	5.90	7.06				

50 Hz

ZXDY-050E-TFD

R454C 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	2.61	2.77	2.95	3.14	3.34	3.57	3.83	3.94	4.12
32.0	2.82	2.99	3.17	3.37	3.59	3.84	4.11	4.23	4.42
38.0	3.09	3.27	3.47	3.69	3.92	4.19	4.49	4.62	4.83
43.0	3.34	3.53	3.74	3.97	4.23	4.51	4.83	4.97	5.20
46.0	3.49	3.69	3.91	4.15	4.42	4.72	5.05		
49.0		3.85	4.09	4.34	4.62				

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	5.42	5.58	5.75	5.95	6.17	6.42	6.72	6.85	7.06
32.0	5.62	5.79	5.98	6.20	6.45	6.73	7.06	7.21	7.44
38.0	5.90	6.09	6.31	6.56	6.84	7.16	7.53	7.69	7.96
43.0	6.16	6.38	6.62	6.90	7.21	7.57	7.98	8.15	8.44
46.0	6.33	6.56	6.83	7.12	7.46	7.84	8.26		
49.0		6.76	7.05	7.36	7.72				

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	32.30	39.60	48.10	57.90	69.10	81.90	96.30	102.50	112.50
32.0	31.80	39.00	47.40	57.10	68.20	80.80	95.10	101.50	111.50
38.0	31.10	38.30	46.50	56.00	66.90	79.40	93.60	99.80	109.50
43.0	30.60	37.60	45.70	55.10	65.80	78.20	92.30	98.50	108.50
46.0	30.20	37.10	45.20	54.40	65.10	77.40	91.50		
49.0		36.70	44.60	53.80	64.40				

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	066-0546-00_DY2/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	108
Receiver Capacity, l	5.9
Liquid Line, inch	1/2
Air Flow, m³/s	1.98
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	11.3
Compressor Locked Rotor Current, A	64

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