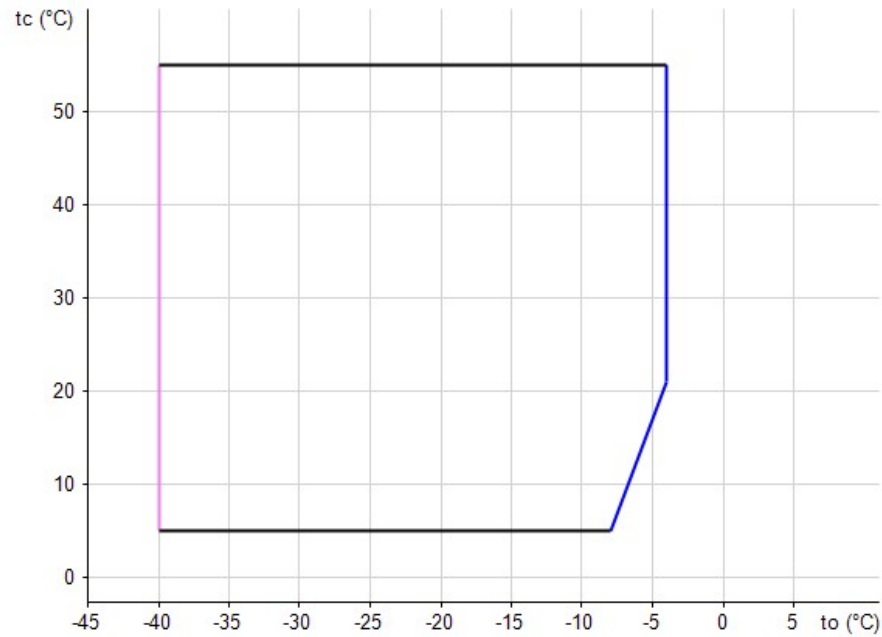


50 Hz

ZF08K4E-TFD

R449A Dew Point



Minimum Evaporating Temp. With:

20 °C Suction Gas Return ASERCOM certified Liquid injection

Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	1.52	1.96	2.52	3.22	4.06	5.07	6.26	
10.0	1.45	1.88	2.41	3.07	3.87	4.83	5.97	
15.0	1.39	1.80	2.30	2.93	3.69	4.60	5.68	
20.0	1.34	1.72	2.20	2.79	3.51	4.38	5.40	6.60
25.0	1.28	1.64	2.10	2.66	3.34	4.16	5.13	6.27
30.0	1.22	1.57	2.00	2.53	3.17	3.94	4.86	5.94
35.0	1.16	1.50	1.90	2.40	3.00	3.73	4.59	5.61
40.0	1.10	1.42	1.80	2.27	2.84	3.52	4.33	5.29
45.0	1.05	1.35	1.71	2.15	2.67	3.31	4.07	4.97
50.0	0.99	1.28	1.61	2.02	2.51	3.10	3.81	4.65
55.0	0.92	1.20	1.51	1.89	2.34	2.89	3.55	4.33

50 Hz

ZF08K4E-TFD

R449A Dew Point

Cond °C	Power, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	0.69	0.76	0.83	0.93	1.04	1.18	1.34	
10.0	0.75	0.81	0.88	0.97	1.08	1.20	1.35	
15.0	0.82	0.87	0.94	1.02	1.12	1.24	1.38	
20.0	0.90	0.95	1.02	1.09	1.18	1.28	1.42	1.57
25.0	0.99	1.04	1.10	1.17	1.26	1.36	1.48	1.62
30.0	1.10	1.16	1.21	1.28	1.35	1.44	1.56	1.68
35.0	1.24	1.28	1.34	1.40	1.47	1.56	1.66	1.78
40.0	1.40	1.44	1.49	1.55	1.62	1.69	1.78	1.89
45.0	1.58	1.62	1.67	1.72	1.78	1.85	1.94	2.04
50.0	1.78	1.82	1.87	1.92	1.98	2.04	2.12	2.21
55.0	2.01	2.06	2.10	2.15	2.20	2.26	2.33	2.41

Cond °C	Current at 400 V, A							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	2.51	2.55	2.60	2.66	2.74	2.84	2.98	
10.0	2.53	2.57	2.62	2.68	2.77	2.87	3.00	
15.0	2.57	2.61	2.66	2.72	2.80	2.90	3.03	
20.0	2.62	2.66	2.71	2.77	2.85	2.95	3.07	3.23
25.0	2.68	2.73	2.78	2.84	2.92	3.01	3.13	3.28
30.0	2.77	2.82	2.87	2.93	3.01	3.10	3.22	3.36
35.0	2.89	2.94	2.99	3.05	3.13	3.22	3.33	3.47
40.0	3.05	3.10	3.15	3.20	3.27	3.36	3.47	3.60
45.0	3.24	3.29	3.34	3.39	3.46	3.54	3.64	3.77
50.0	3.47	3.52	3.57	3.62	3.69	3.76	3.86	3.98
55.0	3.75	3.80	3.85	3.90	3.96	4.03	4.12	4.24

50 Hz

ZF08K4E-TFD

R449A Dew Point

Cond °C	Suction Mass Flow, g/s							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	6.76	8.75	11.30	14.45	18.30	23.00	28.50	
10.0	6.69	8.66	11.15	14.25	18.05	22.70	28.10	
15.0	6.63	8.58	11.05	14.10	17.80	22.30	27.70	
20.0	6.59	8.52	10.95	13.95	17.60	22.00	27.40	33.70
25.0	6.56	8.47	10.85	13.80	17.40	21.80	27.00	33.30
30.0	6.53	8.43	10.75	13.65	17.20	21.50	26.70	32.90
35.0	6.51	8.40	10.70	13.55	17.05	21.30	26.40	32.50
40.0	6.49	8.37	10.65	13.45	16.90	21.10	26.10	32.20
45.0	6.47	8.35	10.60	13.40	16.75	20.90	25.90	31.90
50.0	6.44	8.33	10.60	13.30	16.65	20.70	25.70	31.60
55.0	6.41	8.32	10.55	13.25	16.55	20.60	25.50	31.40

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	7.31
Length/Width, mm	243/245
Height, mm	391
Net Weight, kg	27.2
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.48
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (LT), dBA	59
Sound Power (LT), dBA	70
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	4.30
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Refrigerant's GWP	1397
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	6
Locked Rotor Current, A	32
Winding Resistance, ohm	5.94
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Current Sensing Relay	External
Liquid Injection	DTC Valve
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

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
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09