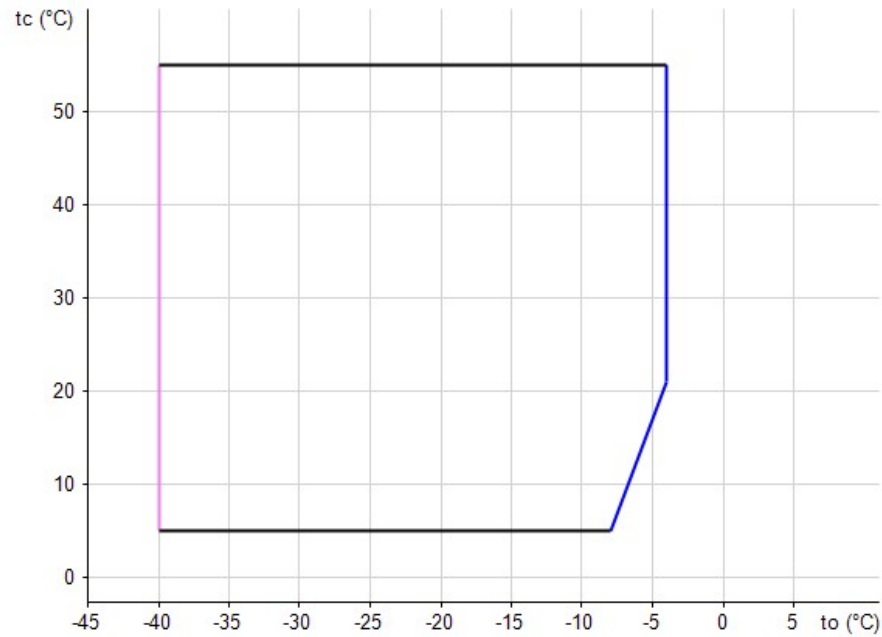




Minimum Evaporating Temp. With:

20 °C Suction Gas Return 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	6.48	8.20	10.35	12.90	16.00	19.60	23.80	
10.0	6.26	7.96	10.05	12.55	15.55	19.10	23.20	
15.0	6.01	7.70	9.74	12.20	15.10	18.50	22.50	
20.0	5.76	7.41	9.40	11.75	14.60	17.90	21.70	26.10
25.0	5.49	7.10	9.02	11.30	14.00	17.20	20.90	25.10
30.0	5.20	6.77	8.63	10.85	13.40	16.45	19.95	24.00
35.0	4.91	6.42	8.20	10.30	12.80	15.65	19.00	22.90
40.0	4.62	6.06	7.76	9.75	12.10	14.85	18.00	21.70
45.0	4.32	5.69	7.29	9.17	11.40	13.95	16.95	20.40
50.0	4.01	5.31	6.81	8.57	10.65	13.05	15.85	19.10
55.0	3.71	4.92	6.31	7.94	9.84	12.10	14.70	17.75

50 Hz

ZF34K5E-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	2.73	2.80	2.90	3.03	3.18	3.34	3.50	
10.0	2.90	2.96	3.06	3.20	3.36	3.54	3.72	
15.0	3.11	3.16	3.27	3.41	3.59	3.78	3.99	
20.0	3.37	3.42	3.53	3.68	3.87	4.08	4.31	4.54
25.0	3.68	3.74	3.85	4.01	4.21	4.44	4.69	4.95
30.0	4.07	4.12	4.23	4.40	4.62	4.87	5.15	5.44
35.0	4.53	4.58	4.70	4.88	5.11	5.38	5.68	6.00
40.0	5.07	5.12	5.25	5.44	5.68	5.98	6.30	6.66
45.0	5.71	5.76	5.89	6.09	6.35	6.67	7.02	7.41
50.0	6.45	6.50	6.63	6.85	7.13	7.46	7.84	8.26
55.0	7.29	7.34	7.49	7.71	8.01	8.37	8.78	9.23

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	7.47	7.79	8.13	8.47	8.81	9.14	9.45	
10.0	8.18	8.42	8.68	8.97	9.26	9.56	9.85	
15.0	8.79	8.96	9.17	9.41	9.67	9.95	10.24	
20.0	9.34	9.46	9.62	9.83	10.08	10.35	10.65	10.95
25.0	9.87	9.94	10.08	10.27	10.51	10.79	11.11	11.45
30.0	10.42	10.46	10.57	10.76	11.01	11.31	11.66	12.05
35.0	11.01	11.03	11.14	11.34	11.61	11.95	12.34	12.79
40.0	11.69	11.71	11.83	12.04	12.35	12.73	13.18	13.70
45.0	12.49	12.51	12.66	12.91	13.26	13.70	14.23	14.83
50.0	13.45	13.49	13.67	13.97	14.38	14.89	15.51	16.21
55.0	14.60	14.68	14.90	15.26	15.74	16.34	17.06	17.87

50 Hz

ZF34K5E-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	28.90	36.60	46.20	58.00	72.10	88.90	108.50	
10.0	28.80	36.80	46.50	58.40	72.60	89.40	109.50	
15.0	28.70	36.80	46.70	58.60	72.90	89.80	109.50	
20.0	28.50	36.70	46.70	58.70	73.10	90.00	110.00	133.50
25.0	28.20	36.60	46.60	58.70	73.10	90.00	110.00	133.50
30.0	27.90	36.30	46.50	58.50	72.90	89.80	110.00	133.00
35.0	27.50	36.00	46.20	58.20	72.50	89.50	109.50	132.50
40.0	27.10	35.70	45.80	57.80	72.00	88.90	108.50	132.00
45.0	26.60	35.20	45.30	57.20	71.40	88.10	108.00	131.00
50.0	26.20	34.80	44.80	56.60	70.60	87.10	107.00	130.00
55.0	25.80	34.30	44.10	55.80	69.60	86.00	105.50	128.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	29.1
Length/Width, mm	280/280
Height, mm	534
Net Weight, kg	63.1
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.37
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 (0)
Sound Pressure @ 1m (LT), dBA	68
Sound Power (LT), dBA	79
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	13.3
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Refrigerant's GWP	1397
Refrigerant's classification	A1

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

Maximum Operating Current, A	25
Locked Rotor Current, A	100
Winding Resistance, ohm	1.24
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	66 W External
Liquid Injection	DTC Valve
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell
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
TFC	200-240 V / 3~ / 50 Hz	200		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TFC	208-230 V / 3~ / 60 Hz	220		Y	2.18