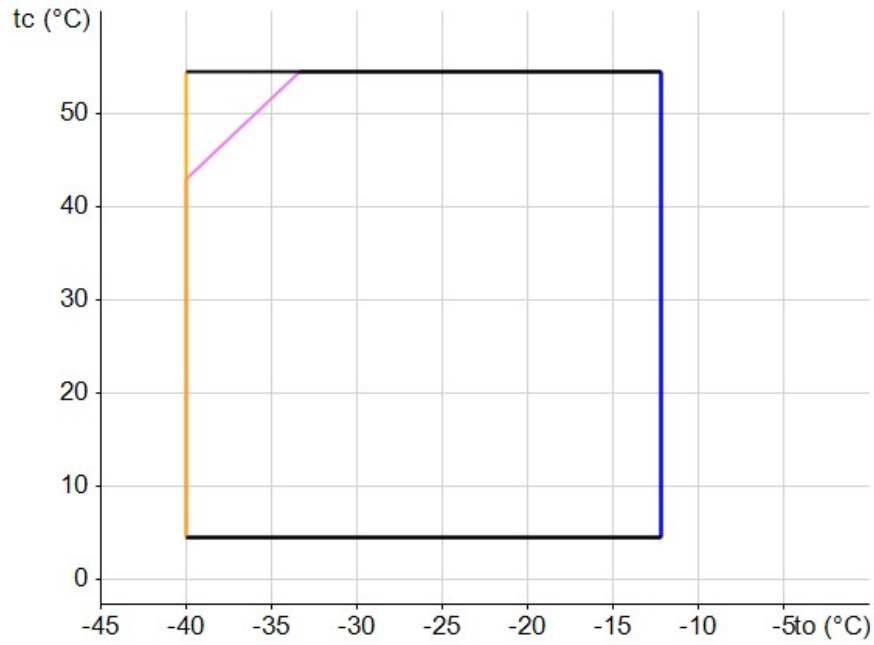


50 Hz

ZF54K5E-TFD EVI

R404A Dew Point



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return — 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°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
4.0	15.15	18.15	22.20	27.10	32.90	39.40
5.0	15.15	18.15	22.20	27.10	32.80	39.30
10.0	15.20	18.15	22.00	26.80	32.30	38.60
15.0	15.20	18.00	21.80	26.40	31.80	37.80
20.0	15.10	17.85	21.50	26.00	31.20	37.10
25.0	14.90	17.60	21.20	25.60	30.60	36.30
30.0	14.65	17.30	20.80	25.10	30.00	35.40
35.0	14.30	16.95	20.40	24.50	29.30	34.60
40.0	13.90	16.50	19.90	23.90	28.60	33.70
45.0		16.05	19.35	23.30	27.80	32.80
50.0		15.50	18.75	22.60	27.00	31.80
54.4			18.15	21.90	26.20	30.90

50 Hz

ZF54K5E-TFD EVI

R404A Dew Point

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	5.61	6.04	6.40	6.70	6.97	7.23
5.0	5.66	6.09	6.45	6.76	7.03	7.30
10.0	6.11	6.58	6.99	7.35	7.67	7.98
15.0	6.63	7.14	7.60	8.00	8.37	8.73
20.0	7.22	7.77	8.27	8.73	9.15	9.56
25.0	7.88	8.48	9.03	9.53	10.00	10.45
30.0	8.63	9.27	9.87	10.40	10.95	11.45
35.0	9.46	10.15	10.80	11.40	11.95	12.50
40.0	10.35	11.10	11.80	12.45	13.05	13.70
45.0		12.20	12.90	13.60	14.30	14.95
50.0		13.35	14.15	14.90	15.60	16.30
54.4			15.35	16.10	16.90	17.65

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	11.16	11.55	11.87	12.14	12.36	12.57
5.0	11.20	11.60	11.93	12.20	12.43	12.65
10.0	11.61	12.06	12.45	12.79	13.10	13.38
15.0	12.10	12.60	13.06	13.47	13.84	14.20
20.0	12.68	13.24	13.77	14.24	14.69	15.12
25.0	13.36	13.98	14.57	15.12	15.64	16.14
30.0	14.14	14.84	15.50	16.11	16.69	17.27
35.0	15.04	15.81	16.53	17.22	17.86	18.52
40.0	16.06	16.91	17.70	18.44	19.17	19.90
45.0		18.14	19.00	19.81	20.62	21.42
50.0		19.53	20.45	21.35	22.24	23.11
54.4			21.89	22.84	23.79	24.73

50 Hz

ZF54K5E-TFD EVI

R404A Dew Point

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
4.0	69.80	88.80	111.00	136.50	167.50	204.00
5.0	69.80	88.70	110.50	136.50	167.50	203.00
10.0	69.50	88.30	110.50	136.00	167.00	203.00
15.0	69.10	87.90	110.00	135.50	166.50	202.00
20.0	68.80	87.50	109.50	135.00	165.50	202.00
25.0	68.40	87.00	109.00	134.50	165.00	201.00
30.0	68.00	86.50	108.00	133.50	164.00	200.00
35.0	67.60	85.90	107.50	133.00	163.00	199.00
40.0	67.10	85.30	106.50	132.00	162.00	197.50
45.0		84.60	105.50	131.00	161.00	196.50
50.0		83.80	104.50	129.50	159.50	195.00
54.4			103.50	128.50	158.00	193.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	48.3
Length/Width, mm	280/280
Height, mm	552
Net Weight, kg	66.2
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	78
Sound Power (LT), dBA	89
Sound Power with Sound Shell (LT), dBA	79
Sound Conditions (LT, Temperatures:	-35 / 40 / 20 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Internal Free Volume, l	13.3
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	3922
Refrigerant's classification	A1

50 Hz

ZF54K5E-TFD EVI

R404A Dew Point

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

Maximum Operating Current, A	31
Locked Rotor Current, A	168
Winding Resistance, ohm	0.78
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	93 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