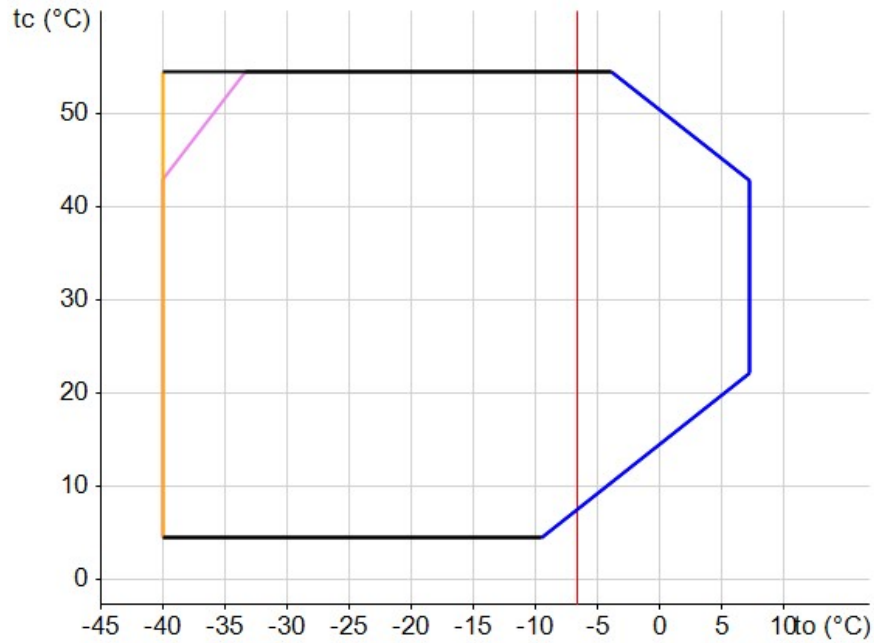


50 Hz

ZF25K5E-TFD EVI

R404A Dew Point



Minimum Evaporating Temp. With:

20 °C Suction Gas Return

0 °C Suction Gas Return

Maximum Evaporating Temperature

Voltage limit -5% above -7°C

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	-10.0	-5.0	0.0	5.0	7.0
4.0	7.06	8.59	10.45	12.60	15.00	17.60	20.40				
5.0	7.06	8.59	10.45	12.60	14.95	17.55	20.40				
10.0	7.00	8.53	10.35	12.50	14.85	17.40	20.10	23.00			
15.0	6.91	8.44	10.25	12.35	14.65	17.15	19.80	22.60	25.40		
20.0	6.81	8.34	10.15	12.20	14.45	16.85	19.45	22.10	24.80	27.60	
25.0	6.69	8.20	9.98	12.00	14.20	16.55	19.00	21.60	24.20	26.80	27.90
30.0	6.56	8.05	9.79	11.75	13.90	16.15	18.55	21.00	23.50	26.00	27.00
35.0	6.41	7.88	9.58	11.50	13.55	15.75	18.05	20.40	22.80	25.10	26.00
40.0	6.25	7.68	9.34	11.20	13.20	15.30	17.50	19.70	21.90	24.10	25.00
45.0		7.47	9.08	10.85	12.75	14.80	16.85	18.95	21.10	23.10	
50.0		7.24	8.79	10.50	12.35	14.25	16.20	18.20	20.10		
54.4			8.53	10.15	11.90	13.75	15.60	17.45			

50 Hz

ZF25K5E-TFD EVI

R404A Dew Point

Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
4.0	2.21	2.42	2.64	2.86	3.08	3.29	3.51				
5.0	2.24	2.45	2.67	2.88	3.10	3.31	3.53				
10.0	2.50	2.70	2.90	3.11	3.31	3.51	3.71	3.91			
15.0	2.78	2.98	3.17	3.37	3.57	3.76	3.96	4.16	4.35		
20.0	3.07	3.27	3.47	3.67	3.88	4.08	4.28	4.48	4.68	4.88	
25.0	3.38	3.59	3.81	4.02	4.24	4.45	4.67	4.88	5.10	5.31	5.40
30.0	3.71	3.95	4.18	4.42	4.66	4.90	5.13	5.37	5.61	5.85	5.94
35.0	4.06	4.33	4.60	4.87	5.14	5.41	5.68	5.95	6.22	6.49	6.59
40.0	4.44	4.75	5.06	5.37	5.68	5.99	6.30	6.61	6.92	7.23	7.36
45.0		5.21	5.57	5.93	6.29	6.65	7.01	7.37	7.73	8.09	
50.0		5.70	6.12	6.54	6.96	7.38	7.80	8.22	8.64		
54.4			6.65	7.13	7.61	8.09	8.57	9.05			

Cond °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
4.0	5.70	5.90	6.10	6.32	6.54	6.77	7.00				
5.0	5.72	5.92	6.12	6.34	6.56	6.78	7.02				
10.0	5.95	6.14	6.34	6.55	6.76	6.98	7.21	7.45			
15.0	6.20	6.41	6.61	6.83	7.05	7.27	7.51	7.74	7.98		
20.0	6.50	6.72	6.95	7.18	7.41	7.65	7.90	8.15	8.41	8.67	
25.0	6.84	7.08	7.34	7.60	7.86	8.13	8.40	8.68	8.96	9.24	9.36
30.0	7.21	7.50	7.80	8.09	8.40	8.70	9.01	9.32	9.64	9.96	10.09
35.0	7.64	7.98	8.32	8.67	9.02	9.37	9.73	10.09	10.45	10.82	10.97
40.0	8.11	8.51	8.91	9.32	9.73	10.15	10.56	10.98	11.40	11.82	11.99
45.0		9.10	9.58	10.06	10.54	11.03	11.51	12.00	12.49	12.98	
50.0		9.76	10.32	10.88	11.45	12.01	12.58	13.15	13.71		
54.4			11.04	11.68	12.33	12.97	13.62	14.27			

50 Hz

ZF25K5E-TFD EVI

R404A 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	0.0	5.0	7.0
4.0	31.50	39.90	49.70	61.30	75.30	92.00	111.50				
5.0	31.50	39.90	49.70	61.40	75.30	92.00	111.50				
10.0	31.50	39.80	49.70	61.40	75.40	92.00	112.00	135.00			
15.0	31.30	39.70	49.60	61.30	75.30	92.00	112.00	135.00	162.50		
20.0	31.20	39.60	49.50	61.20	75.10	91.80	111.50	135.00	162.00	193.50	
25.0	31.00	39.40	49.20	60.90	74.90	91.50	111.00	134.50	161.50	193.00	207.00
30.0	30.70	39.10	48.90	60.60	74.50	91.10	110.50	134.00	161.00	192.50	206.00
35.0	30.40	38.80	48.50	60.10	74.00	90.50	110.00	133.00	160.00	191.50	205.00
40.0	30.10	38.40	48.10	59.60	73.40	89.80	109.50	132.50	159.00	190.50	204.00
45.0		37.90	47.50	59.00	72.70	89.00	108.50	131.00	158.00	189.00	
50.0		37.40	46.90	58.30	71.80	88.00	107.50	130.00	156.50		
54.4			46.30	57.50	71.00	87.10	106.00	129.00			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	21.4
Length/Width, mm	246/257
Height, mm	452
Net Weight, kg	39.5
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1 1/4
Rotalock Injection, inch	1
Oil Quantity, l	1.89
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	70
Sound Power (LT), dBA	81
Sound Power with Sound Shell (LT), dBA	71
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	5.70
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Refrigerant's GWP	3922
Refrigerant's classification	A1

50 Hz

ZF25K5E-TFD EVI

R404A Dew Point

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

Maximum Operating Current, A	16
Locked Rotor Current, A	102
Winding Resistance, ohm	1.72
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Liquid Injection	DTC Valve
Oil Control System	ALCO Trax-Oil OM3
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