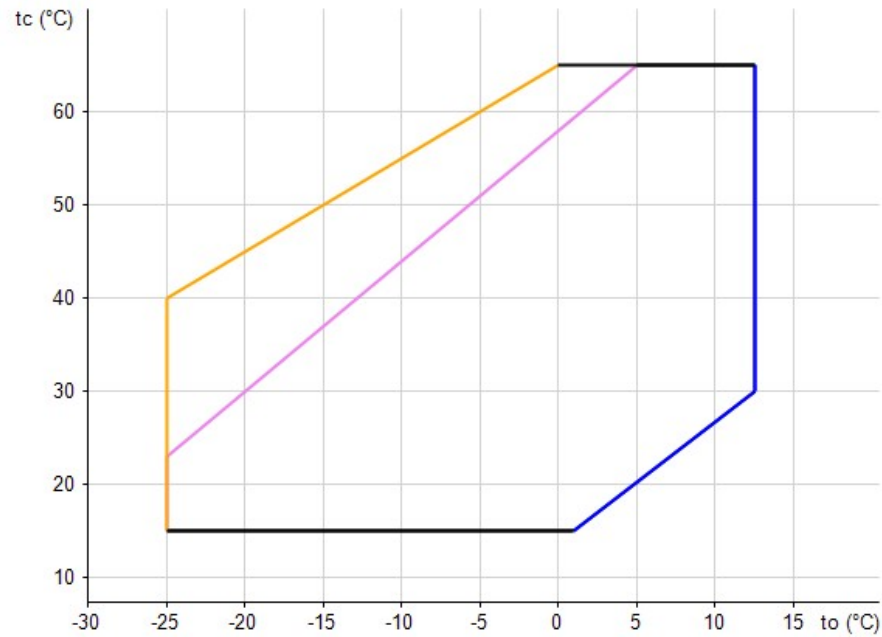




Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return — 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
15.0	2.28	2.90	3.63	4.48	5.45	6.56				
20.0	2.12	2.74	3.46	4.29	5.25	6.33				
25.0	1.96	2.57	3.27	4.08	5.02	6.08	7.28	7.80		
30.0	1.78	2.38	3.07	3.86	4.77	5.80	6.97	7.48	8.28	8.98
35.0	1.61	2.19	2.86	3.62	4.50	5.50	6.64	7.13	7.91	8.60
40.0	1.42	1.98	2.63	3.37	4.21	5.18	6.28	6.75	7.51	8.18
45.0		1.76	2.38	3.09	3.90	4.83	5.89	6.35	7.08	7.73
50.0			2.12	2.79	3.57	4.46	5.47	5.92	6.62	7.25
55.0				2.47	3.21	4.06	5.03	5.45	6.13	6.74
60.0					2.83	3.63	4.55	4.96	5.61	6.19
65.0						3.17	4.05	4.43	5.05	5.61

50 Hz

ZB15KCE-TFD

R407C Dew Point

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
15.0	0.74	0.74	0.72	0.68	0.65	0.61				
20.0	0.83	0.83	0.82	0.80	0.77	0.74				
25.0	0.94	0.94	0.93	0.91	0.89	0.86	0.86	0.86		
30.0	1.07	1.08	1.06	1.04	1.02	1.00	0.99	0.99	1.00	1.02
35.0	1.23	1.23	1.21	1.18	1.16	1.14	1.13	1.13	1.14	1.16
40.0	1.43	1.42	1.40	1.36	1.32	1.30	1.28	1.28	1.30	1.31
45.0		1.66	1.62	1.57	1.52	1.49	1.46	1.46	1.46	1.48
50.0			1.88	1.82	1.76	1.71	1.68	1.67	1.66	1.67
55.0				2.12	2.04	1.97	1.92	1.91	1.90	1.90
60.0					2.37	2.28	2.21	2.19	2.17	2.16
65.0						2.65	2.56	2.53	2.49	2.47

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
15.0	1.95	1.92	1.87	1.82	1.78	1.76				
20.0	2.01	1.99	1.95	1.91	1.87	1.86				
25.0	2.09	2.08	2.05	2.01	1.98	1.97	1.99	2.01		
30.0	2.19	2.19	2.16	2.12	2.09	2.08	2.10	2.11	2.16	2.21
35.0	2.32	2.32	2.30	2.27	2.23	2.21	2.22	2.23	2.27	2.31
40.0	2.50	2.50	2.48	2.44	2.40	2.37	2.37	2.38	2.41	2.44
45.0		2.73	2.70	2.66	2.61	2.57	2.56	2.56	2.58	2.61
50.0			2.98	2.93	2.87	2.82	2.79	2.79	2.79	2.81
55.0				3.27	3.20	3.13	3.08	3.07	3.06	3.06
60.0					3.59	3.50	3.43	3.41	3.38	3.37
65.0						3.95	3.85	3.82	3.78	3.76

50 Hz

ZB15KCE-TFD

R407C Dew Point

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
15.0	11.15	14.00	17.30	21.10	25.30	30.10				
20.0	10.80	13.75	17.10	20.90	25.20	30.10				
25.0	10.35	13.35	16.80	20.70	25.00	29.90	35.40	37.70		
30.0	9.85	12.90	16.40	20.30	24.70	29.70	35.20	37.50	41.20	44.40
35.0	9.26	12.40	15.90	19.85	24.30	29.30	34.80	37.20	40.90	44.20
40.0	8.56	11.75	15.30	19.30	23.80	28.80	34.40	36.80	40.50	43.90
45.0		10.95	14.55	18.55	23.10	28.10	33.70	36.10	40.00	43.30
50.0			13.60	17.65	22.20	27.20	32.90	35.30	39.20	42.60
55.0				16.50	21.10	26.10	31.80	34.30	38.20	41.70
60.0					19.70	24.80	30.50	33.00	37.00	40.50
65.0						23.10	28.90	31.50	35.50	39.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.92
Length/Width, mm	241/241
Height, mm	382
Net Weight, kg	25.3
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	0.74
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 (8.5)
Sound Pressure @ 1m (MT), dBA	55
Sound Power (MT), dBA	66
Sound Power with Sound Shell (MT), dBA	59
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	2.50
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	4.9
Locked Rotor Current, A	26
Winding Resistance, ohm	7.1
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
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