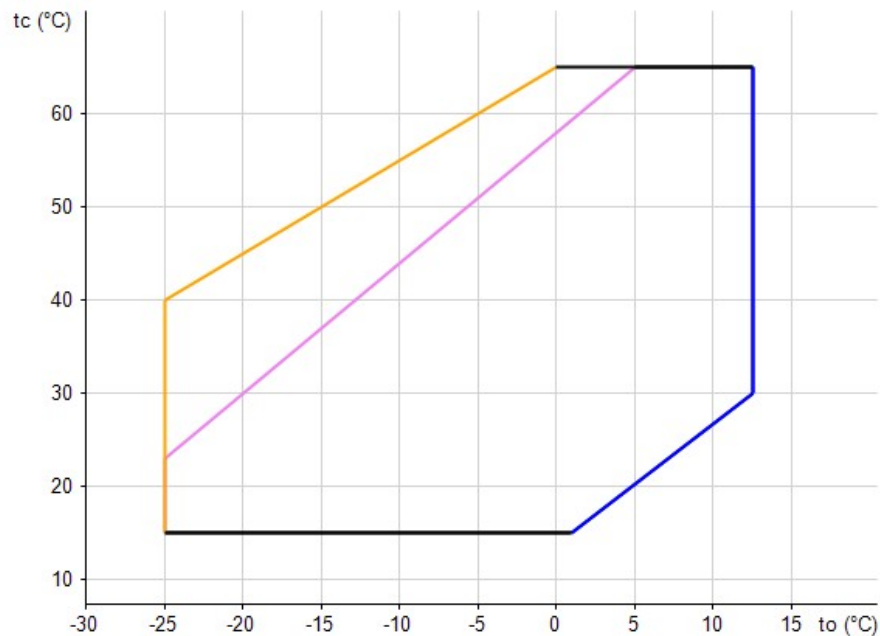




Minimum Evaporating Temp. With:

- 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	3.30	4.20	5.23	6.42	7.77	9.30				
20.0	3.10	3.99	5.01	6.18	7.52	9.03				
25.0	2.91	3.77	4.77	5.92	7.24	8.73	10.40	11.15		
30.0	2.71	3.55	4.52	5.64	6.93	8.40	10.05	10.75	11.90	12.90
35.0	2.52	3.32	4.26	5.35	6.60	8.04	9.66	10.35	11.50	12.45
40.0	2.33	3.09	3.98	5.03	6.25	7.65	9.24	9.93	11.05	12.00
45.0		2.85	3.70	4.70	5.87	7.23	8.78	9.45	10.55	11.50
50.0			3.40	4.35	5.47	6.78	8.28	8.94	10.00	10.95
55.0				3.99	5.05	6.30	7.76	8.40	9.43	10.35
60.0					4.61	5.80	7.20	7.82	8.82	9.72
65.0						5.27	6.61	7.21	8.18	9.05

50 Hz

ZB21KCE-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	1.03	1.04	1.04	1.04	1.04	1.04				
20.0	1.16	1.18	1.18	1.18	1.18	1.18				
25.0	1.31	1.32	1.33	1.32	1.32	1.32	1.32	1.33		
30.0	1.48	1.50	1.50	1.50	1.50	1.49	1.49	1.49	1.50	1.50
35.0	1.67	1.68	1.70	1.70	1.69	1.68	1.68	1.68	1.68	1.68
40.0	1.88	1.90	1.91	1.91	1.90	1.90	1.89	1.89	1.88	1.88
45.0		2.15	2.16	2.16	2.15	2.15	2.14	2.13	2.13	2.12
50.0			2.44	2.44	2.43	2.42	2.41	2.41	2.40	2.39
55.0				2.76	2.75	2.74	2.72	2.72	2.71	2.70
60.0					3.10	3.09	3.07	3.06	3.05	3.04
65.0						3.48	3.46	3.45	3.44	3.43

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	2.69	2.71	2.70	2.68	2.64	2.61				
20.0	2.79	2.82	2.82	2.80	2.78	2.76				
25.0	2.90	2.93	2.94	2.93	2.92	2.90	2.90	2.90		
30.0	3.03	3.07	3.08	3.07	3.06	3.05	3.06	3.07	3.08	3.11
35.0	3.20	3.23	3.24	3.24	3.23	3.22	3.23	3.24	3.26	3.29
40.0	3.42	3.45	3.45	3.44	3.43	3.42	3.43	3.44	3.46	3.49
45.0		3.72	3.71	3.70	3.68	3.66	3.67	3.67	3.69	3.72
50.0			4.04	4.01	3.98	3.96	3.96	3.96	3.98	4.00
55.0				4.40	4.36	4.32	4.31	4.31	4.32	4.34
60.0					4.82	4.77	4.74	4.73	4.73	4.74
65.0						5.30	5.25	5.24	5.23	5.23

50 Hz

ZB21KCE-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	16.20	20.30	25.00	30.20	36.10	42.70				
20.0	15.80	20.00	24.80	30.10	36.20	42.90				
25.0	15.40	19.65	24.50	30.00	36.10	43.00	50.50	53.80		
30.0	14.95	19.25	24.10	29.70	35.90	42.90	50.70	54.00	59.20	63.80
35.0	14.50	18.80	23.70	29.30	35.60	42.80	50.70	54.10	59.50	64.10
40.0	14.05	18.30	23.20	28.80	35.20	42.50	50.60	54.00	59.50	64.30
45.0		17.70	22.60	28.20	34.70	42.00	50.30	53.80	59.40	64.40
50.0			21.90	27.50	34.00	41.40	49.80	53.40	59.20	64.30
55.0				26.60	33.10	40.60	49.10	52.90	58.80	64.00
60.0					32.10	39.60	48.30	52.10	58.20	63.60
65.0						38.40	47.20	51.10	57.40	63.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.61
Length/Width, mm	243/244
Height, mm	391
Net Weight, kg	27.3
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.24
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	58
Sound Power (MT), dBA	69
Sound Power with Sound Shell (MT), dBA	62
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	7.2
Locked Rotor Current, A	40
Winding Resistance, ohm	4.83
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

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
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