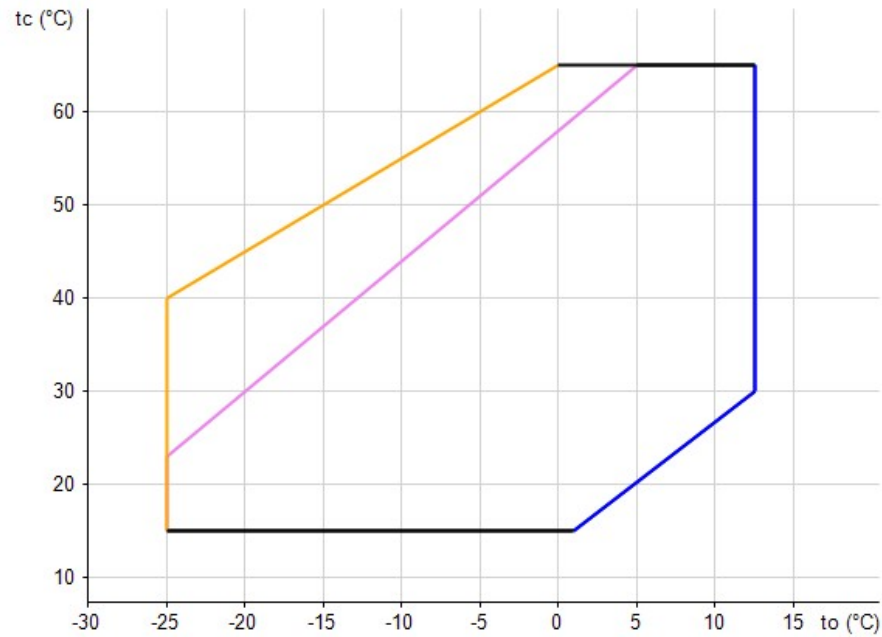


50 Hz

ZB19KCE-TFD

R407C Dew Point



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	2.63	3.11	3.78	4.64	5.70	6.94				
20.0	2.47	2.97	3.65	4.53	5.59	6.83				
25.0	2.29	2.80	3.50	4.37	5.43	6.66	8.08	8.69		
30.0	2.11	2.63	3.32	4.19	5.23	6.45	7.84	8.45	9.41	10.25
35.0	1.94	2.44	3.13	3.98	4.99	6.18	7.55	8.14	9.09	9.92
40.0	1.76	2.26	2.92	3.74	4.73	5.89	7.21	7.79	8.71	9.52
45.0		2.08	2.71	3.50	4.44	5.56	6.83	7.39	8.28	9.07
50.0			2.50	3.24	4.14	5.20	6.42	6.95	7.81	8.57
55.0				2.98	3.82	4.82	5.97	6.48	7.30	8.02
60.0					3.50	4.42	5.50	5.98	6.75	7.44
65.0						4.01	5.01	5.46	6.18	6.82

50 Hz

ZB19KCE-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	0.86	0.83	0.81	0.80	0.79	0.79				
20.0	0.97	0.95	0.93	0.92	0.92	0.91				
25.0	1.10	1.08	1.06	1.06	1.06	1.05	1.04	1.03		
30.0	1.23	1.22	1.21	1.21	1.20	1.20	1.18	1.18	1.16	1.15
35.0	1.38	1.38	1.38	1.38	1.37	1.36	1.34	1.34	1.32	1.30
40.0	1.56	1.56	1.56	1.56	1.56	1.54	1.53	1.52	1.50	1.48
45.0		1.76	1.76	1.76	1.76	1.76	1.74	1.72	1.70	1.68
50.0			2.00	2.00	2.00	1.99	1.96	1.95	1.92	1.90
55.0				2.26	2.26	2.25	2.23	2.21	2.18	2.15
60.0					2.56	2.55	2.52	2.50	2.47	2.44
65.0						2.88	2.85	2.83	2.80	2.77

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	2.51	2.45	2.42	2.40	2.39	2.38				
20.0	2.57	2.53	2.50	2.49	2.48	2.48				
25.0	2.66	2.63	2.61	2.60	2.60	2.59	2.58	2.57		
30.0	2.78	2.75	2.74	2.74	2.74	2.73	2.72	2.71	2.69	2.66
35.0	2.93	2.91	2.91	2.91	2.91	2.91	2.89	2.88	2.85	2.83
40.0	3.12	3.11	3.11	3.12	3.12	3.11	3.09	3.08	3.05	3.02
45.0		3.36	3.36	3.37	3.37	3.36	3.34	3.32	3.29	3.26
50.0			3.66	3.67	3.67	3.66	3.63	3.61	3.58	3.54
55.0				4.02	4.02	4.01	3.97	3.95	3.91	3.87
60.0					4.43	4.41	4.37	4.35	4.30	4.25
65.0						4.88	4.83	4.80	4.75	4.70

50 Hz

ZB19KCE-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	12.90	15.05	18.05	21.80	26.50	31.80				
20.0	12.55	14.90	18.05	22.10	26.90	32.40				
25.0	12.15	14.60	17.95	22.10	27.10	32.80	39.20	42.00		
30.0	11.65	14.25	17.75	22.00	27.10	32.90	39.50	42.40	46.80	50.80
35.0	11.15	13.85	17.40	21.80	27.00	32.90	39.60	42.50	47.00	51.00
40.0	10.65	13.40	17.00	21.40	26.70	32.70	39.50	42.40	47.00	51.00
45.0		12.95	16.55	21.00	26.30	32.30	39.10	42.10	46.70	50.80
50.0			16.10	20.50	25.70	31.70	38.60	41.50	46.20	50.30
55.0				19.90	25.10	31.00	37.80	40.80	45.50	49.60
60.0					24.30	30.20	36.90	39.90	44.50	48.70
65.0						29.30	35.80	38.70	43.40	47.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	6.83
Length/Width, mm	242/242
Height, mm	389
Net Weight, kg	25.8
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.12
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	6.5
Locked Rotor Current, A	32
Winding Resistance, ohm	5.8
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