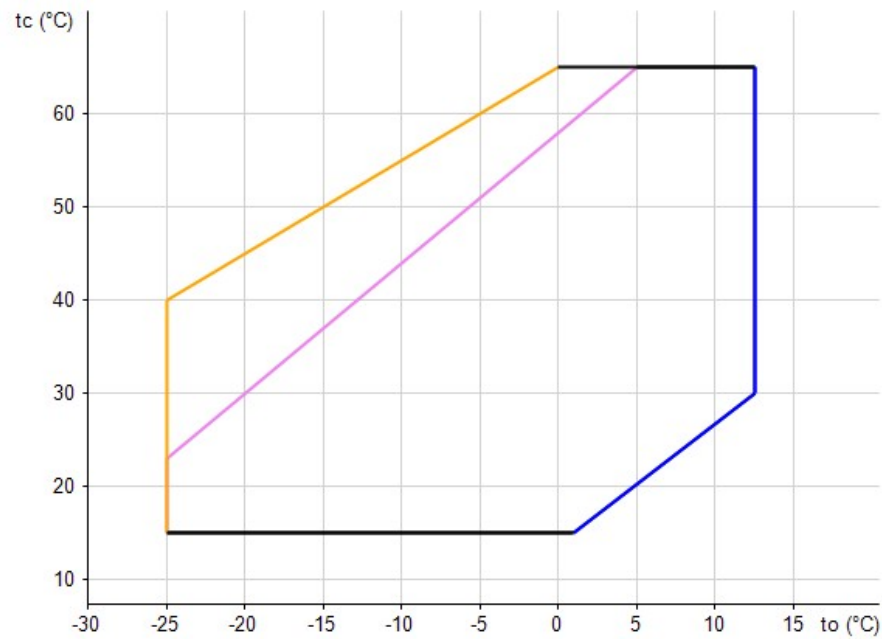


50 Hz

ZB30KCE-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	4.78	5.89	7.27	8.97	11.00	13.50				
20.0	4.60	5.66	6.97	8.57	10.50	12.85				
25.0	4.40	5.42	6.67	8.19	10.05	12.20	14.80	16.00		
30.0	4.17	5.17	6.36	7.81	9.55	11.65	14.10	15.20	16.95	18.55
35.0	3.92	4.89	6.04	7.42	9.07	11.05	13.35	14.40	16.10	17.65
40.0	3.63	4.59	5.71	7.02	8.59	10.45	12.65	13.65	15.25	16.70
45.0		4.25	5.34	6.60	8.10	9.87	11.95	12.90	14.45	15.80
50.0			4.94	6.16	7.59	9.28	11.25	12.15	13.60	14.95
55.0				5.68	7.05	8.66	10.55	11.40	12.80	14.05
60.0					6.49	8.03	9.84	10.65	12.00	13.20
65.0						7.37	9.11	9.89	11.15	12.30

50 Hz

ZB30KCE-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	1.43	1.48	1.52	1.56	1.63	1.74				
20.0	1.58	1.64	1.67	1.70	1.75	1.82				
25.0	1.76	1.82	1.86	1.88	1.91	1.96	2.05	2.10		
30.0	1.95	2.03	2.08	2.10	2.12	2.15	2.21	2.25	2.32	2.39
35.0	2.17	2.27	2.33	2.36	2.38	2.39	2.43	2.45	2.50	2.56
40.0	2.40	2.54	2.62	2.66	2.67	2.68	2.70	2.72	2.75	2.79
45.0		2.83	2.93	2.99	3.01	3.02	3.03	3.04	3.06	3.09
50.0			3.28	3.36	3.39	3.41	3.41	3.41	3.42	3.44
55.0				3.76	3.81	3.84	3.84	3.84	3.85	3.86
60.0					4.27	4.31	4.32	4.33	4.33	4.33
65.0						4.83	4.85	4.86	4.86	4.86

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	3.92	4.01	4.00	3.93	3.85	3.78				
20.0	4.01	4.14	4.18	4.16	4.12	4.09				
25.0	4.10	4.27	4.34	4.36	4.35	4.36	4.42	4.46		
30.0	4.24	4.43	4.53	4.57	4.59	4.62	4.70	4.75	4.86	4.99
35.0	4.44	4.65	4.77	4.82	4.85	4.89	4.98	5.04	5.16	5.29
40.0	4.73	4.95	5.07	5.13	5.16	5.21	5.30	5.36	5.47	5.60
45.0		5.36	5.47	5.53	5.55	5.59	5.67	5.72	5.83	5.96
50.0			6.00	6.04	6.04	6.06	6.12	6.17	6.26	6.38
55.0				6.69	6.67	6.65	6.68	6.72	6.80	6.89
60.0					7.44	7.39	7.38	7.40	7.45	7.53
65.0						8.30	8.24	8.24	8.26	8.31

50 Hz ZB30KCE-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	23.50	28.50	34.70	42.20	51.20	61.80				
20.0	23.40	28.40	34.50	41.80	50.60	60.90				
25.0	23.30	28.20	34.20	41.40	50.00	60.20	72.00	77.20		
30.0	23.00	28.00	34.00	41.10	49.50	59.40	71.00	76.20	84.40	91.90
35.0	22.60	27.70	33.70	40.70	49.00	58.70	70.20	75.20	83.40	90.70
40.0	21.90	27.20	33.20	40.20	48.40	58.10	69.30	74.30	82.40	89.60
45.0		26.50	32.60	39.70	47.80	57.40	68.50	73.50	81.40	88.60
50.0			31.80	38.90	47.10	56.60	67.70	72.60	80.60	87.70
55.0				37.90	46.20	55.80	66.90	71.80	79.80	86.90
60.0					45.10	54.90	66.10	71.00	79.00	86.20
65.0						53.70	65.10	70.20	78.30	85.70

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	11.7
Length/Width, mm	242/242
Height, mm	438
Net Weight, kg	35.4
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
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	59
Sound Power (MT), dBA	70
Sound Power with Sound Shell (MT), dBA	65
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	4.30
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	10.3
Locked Rotor Current, A	49.3
Winding Resistance, ohm	3.7
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