



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	3.86	4.91	6.12	7.51	9.09	10.85				
20.0	3.63	4.66	5.85	7.23	8.79	10.55				
25.0	3.40	4.41	5.58	6.92	8.46	10.20	12.15	13.00		
30.0	3.18	4.15	5.29	6.60	8.10	9.82	11.75	12.60	13.90	15.05
35.0	2.95	3.88	4.98	6.25	7.72	9.39	11.30	12.10	13.40	14.55
40.0	2.72	3.61	4.66	5.88	7.31	8.94	10.80	11.60	12.90	14.00
45.0		3.33	4.33	5.50	6.87	8.45	10.25	11.05	12.30	13.45
50.0			3.98	5.09	6.40	7.92	9.68	10.45	11.70	12.80
55.0				4.67	5.91	7.37	9.07	9.81	11.00	12.10
60.0					5.39	6.78	8.41	9.14	10.30	11.35
65.0						6.16	7.73	8.43	9.56	10.60

50 Hz

ZB26KCE-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	1.20	1.22	1.22	1.22	1.22	1.22				
20.0	1.36	1.37	1.38	1.38	1.38	1.38				
25.0	1.54	1.55	1.56	1.56	1.55	1.55	1.55	1.55		
30.0	1.73	1.74	1.76	1.76	1.75	1.74	1.74	1.74	1.74	1.75
35.0	1.95	1.97	1.98	1.98	1.98	1.97	1.96	1.96	1.96	1.96
40.0	2.20	2.23	2.24	2.24	2.23	2.22	2.21	2.21	2.21	2.21
45.0		2.51	2.53	2.53	2.52	2.51	2.50	2.49	2.49	2.48
50.0			2.85	2.85	2.85	2.84	2.82	2.81	2.81	2.80
55.0				3.22	3.22	3.20	3.18	3.18	3.17	3.16
60.0					3.63	3.61	3.59	3.58	3.57	3.56
65.0						4.07	4.05	4.04	4.02	4.01

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	3.52	3.52	3.52	3.51	3.50	3.50				
20.0	3.63	3.65	3.66	3.66	3.66	3.67				
25.0	3.75	3.79	3.81	3.82	3.83	3.84	3.85	3.86		
30.0	3.91	3.96	3.99	4.01	4.02	4.03	4.04	4.05	4.06	4.08
35.0	4.10	4.16	4.20	4.23	4.24	4.25	4.25	4.26	4.27	4.28
40.0	4.34	4.41	4.46	4.49	4.50	4.51	4.51	4.51	4.52	4.52
45.0		4.72	4.77	4.80	4.82	4.82	4.81	4.81	4.81	4.81
50.0			5.15	5.18	5.19	5.19	5.17	5.17	5.16	5.15
55.0				5.64	5.64	5.63	5.61	5.59	5.57	5.56
60.0					6.18	6.15	6.12	6.10	6.07	6.05
65.0						6.77	6.72	6.69	6.65	6.62

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	18.95	23.70	29.20	35.30	42.20	49.90				
20.0	18.50	23.40	28.90	35.20	42.30	50.10				
25.0	18.00	23.00	28.60	35.00	42.20	50.20	59.10	62.90		
30.0	17.50	22.50	28.20	34.70	42.00	50.20	59.20	63.10	69.20	74.50
35.0	16.95	22.00	27.70	34.30	41.70	50.00	59.20	63.20	69.50	74.90
40.0	16.45	21.40	27.10	33.70	41.20	49.60	59.10	63.10	69.60	75.20
45.0		20.70	26.40	33.00	40.60	49.10	58.70	62.90	69.50	75.20
50.0			25.60	32.20	39.70	48.40	58.20	62.40	69.20	75.10
55.0				31.20	38.70	47.50	57.40	61.80	68.70	74.80
60.0					37.50	46.30	56.50	60.90	68.00	74.30
65.0						44.90	55.20	59.80	67.10	73.60

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	9.94
Length/Width, mm	243/244
Height, mm	406
Net Weight, kg	28.4
Gross Weight, kg	31.4
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	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	2.60
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	8.9
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
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