



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	3.31	4.22	5.27	6.48	7.86	9.42	10.10	11.15	12.10	13.10
35.0	3.08	3.95	4.97	6.15	7.49	9.01	9.68	10.70	11.65	12.60
40.0	2.85	3.68	4.65	5.79	7.09	8.57	9.22	10.25	11.15	12.10
45.0		3.39	4.32	5.40	6.66	8.10	8.73	9.74	10.65	11.55
50.0			3.97	5.00	6.20	7.59	8.20	9.18	10.05	10.95
55.0				4.58	5.72	7.05	7.64	8.59	9.43	10.35
60.0					5.21	6.48	7.04	7.95	8.77	9.65
65.0					4.67	5.87	6.41	7.28	8.07	8.92
67.0						5.62	6.15	7.00	7.78	8.62

50 Hz

ZR36KRE-TFD

R407C Dew Point

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	1.50	1.50	1.50	1.50	1.49	1.49	1.49	1.50	1.50	1.51
35.0	1.68	1.70	1.70	1.69	1.68	1.68	1.68	1.68	1.68	1.68
40.0	1.90	1.91	1.91	1.90	1.90	1.89	1.89	1.88	1.88	1.89
45.0		2.16	2.16	2.15	2.15	2.14	2.13	2.13	2.12	2.12
50.0			2.44	2.43	2.42	2.41	2.41	2.40	2.39	2.39
55.0				2.75	2.74	2.72	2.72	2.71	2.70	2.69
60.0					3.09	3.07	3.06	3.05	3.04	3.03
65.0					3.48	3.46	3.45	3.44	3.43	3.42
67.0						3.63	3.62	3.61	3.60	3.58

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	3.07	3.08	3.07	3.06	3.05	3.06	3.07	3.08	3.11	3.14
35.0	3.23	3.24	3.24	3.23	3.22	3.23	3.24	3.26	3.29	3.32
40.0	3.45	3.45	3.44	3.43	3.42	3.43	3.44	3.46	3.49	3.52
45.0		3.71	3.70	3.68	3.66	3.67	3.67	3.69	3.72	3.76
50.0			4.01	3.98	3.96	3.96	3.96	3.98	4.00	4.03
55.0				4.36	4.32	4.31	4.31	4.32	4.34	4.36
60.0					4.77	4.74	4.73	4.73	4.74	4.77
65.0					5.30	5.25	5.24	5.23	5.23	5.25
67.0						5.48	5.47	5.45	5.45	5.46

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	19.35	24.30	29.80	36.10	43.20	51.00	54.30	59.60	64.20	69.00
35.0	18.90	23.80	29.50	35.80	43.00	51.00	54.40	59.80	64.50	69.40
40.0	18.35	23.30	29.00	35.40	42.70	50.80	54.30	59.90	64.70	69.80
45.0		22.70	28.40	34.90	42.20	50.50	54.10	59.80	64.80	70.00
50.0			27.60	34.20	41.60	50.10	53.70	59.50	64.70	70.00
55.0				33.30	40.80	49.40	53.10	59.10	64.40	70.00
60.0					39.80	48.50	52.40	58.50	63.90	69.70
65.0					38.60	47.50	51.40	57.70	63.40	69.40
67.0						47.00	51.00	57.40	63.10	69.20

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	8.61
Length/Width, mm	239/245
Height, mm	387
Net Weight, kg	27.3
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
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 (19)
Sound Pressure @ 1m (MT), dBA	58
Sound Power (MT), dBA	69
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	29
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
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ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Mounting Grommets	Standard
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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04