



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	4.79	6.01	7.47	9.15	11.05	13.20	14.15	15.60	16.85	18.15
35.0	4.50	5.64	7.03	8.65	10.50	12.65	13.55	15.00	16.25	17.55
40.0	4.25	5.28	6.57	8.11	9.90	11.95	12.85	14.30	15.50	16.85
45.0		4.95	6.11	7.54	9.24	11.20	12.10	13.45	14.70	16.00
50.0			5.67	6.96	8.55	10.40	11.25	12.60	13.75	15.05
55.0				6.40	7.83	9.58	10.35	11.65	12.75	14.00
60.0					7.12	8.71	9.44	10.65	11.70	12.85
65.0					6.43	7.84	8.50	9.59	10.60	11.70
67.0						7.49	8.12	9.17	10.15	11.20

50 Hz

ZRH49KJE-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	2.03	2.13	2.24	2.37	2.50	2.64	2.70	2.79	2.86	2.93
35.0	2.21	2.32	2.43	2.56	2.69	2.83	2.88	2.96	3.03	3.10
40.0	2.42	2.53	2.65	2.77	2.90	3.04	3.09	3.17	3.23	3.30
45.0		2.77	2.89	3.02	3.15	3.28	3.33	3.40	3.46	3.52
50.0			3.18	3.30	3.43	3.55	3.60	3.67	3.73	3.79
55.0				3.63	3.75	3.87	3.92	3.99	4.04	4.09
60.0					4.12	4.24	4.28	4.35	4.39	4.44
65.0					4.54	4.65	4.70	4.76	4.80	4.84
67.0						4.84	4.88	4.94	4.98	5.02

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	4.07	4.19	4.35	4.52	4.71	4.91	4.99	5.11	5.21	5.31
35.0	4.30	4.43	4.59	4.77	4.96	5.16	5.24	5.36	5.46	5.55
40.0	4.57	4.71	4.88	5.06	5.25	5.45	5.53	5.64	5.74	5.83
45.0		5.05	5.22	5.40	5.59	5.78	5.86	5.97	6.06	6.14
50.0			5.61	5.80	5.99	6.17	6.24	6.35	6.43	6.51
55.0				6.26	6.44	6.62	6.69	6.79	6.87	6.94
60.0					6.98	7.15	7.21	7.31	7.38	7.44
65.0					7.59	7.76	7.82	7.90	7.96	8.02
67.0						8.02	8.08	8.16	8.22	8.28

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	28.00	34.60	42.30	51.00	60.80	71.50	76.10	83.20	89.30	95.70
35.0	27.60	34.00	41.60	50.40	60.40	71.40	76.20	83.50	90.00	96.60
40.0	27.50	33.50	40.90	49.60	59.60	70.90	75.80	83.40	90.00	96.90
45.0		33.10	40.10	48.60	58.60	70.00	74.90	82.70	89.60	96.70
50.0			39.50	47.60	57.30	68.70	73.70	81.60	88.60	95.90
55.0				46.50	55.90	67.10	72.10	80.00	87.20	94.70
60.0					54.40	65.30	70.20	78.20	85.30	93.00
65.0					53.10	63.40	68.20	76.00	83.20	91.00
67.0						62.60	67.30	75.10	82.30	90.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	11.8
Length/Width, mm	487/290
Height, mm	231
Net Weight, kg	51.7
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.77
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	220 x 279 (8.5)
Sound Pressure @ 1m (HT), dBA	68
Sound Power (HT), dBA	79
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
High Side PS gauge, bar	28.8
Low Side PS gauge, bar	21
Refrigerant's GWP	1774
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	9
Locked Rotor Current, A	51.5
Winding Resistance, ohm	3.64
Default Enclosure Class	IP 21/56 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	Acc7607

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