



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	3.45	4.58	5.86	7.34	9.03	10.95	11.85	13.20		
35.0	3.25	4.33	5.57	7.00	8.64	10.55	11.35	12.70	13.90	
40.0	3.06	4.10	5.28	6.65	8.23	10.05	10.85	12.15	13.30	14.55
45.0		3.86	4.98	6.27	7.78	9.53	10.30	11.55	12.65	13.85
50.0		3.62	4.66	5.87	7.29	8.95	9.69	10.90	11.95	13.10
55.0			4.31	5.43	6.76	8.32	9.02	10.15	11.15	12.25
60.0				4.96	6.18	7.63	8.28	9.34	10.30	11.35
65.0				4.44	5.54	6.86	7.46	8.45	9.35	10.30
70.0					4.83	6.03	6.57	7.47	8.30	9.21
75.0					4.06	5.11	5.60	6.41	7.16	7.99

50 Hz

ZRH61KJE-TFD

R134a

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	1.62	1.74	1.83	1.91	2.00	2.11	2.17	2.27		
35.0	1.76	1.88	1.98	2.07	2.16	2.27	2.32	2.42	2.52	
40.0	1.90	2.04	2.15	2.25	2.34	2.44	2.50	2.59	2.68	2.79
45.0		2.21	2.33	2.43	2.52	2.63	2.68	2.77	2.86	2.96
50.0		2.37	2.51	2.62	2.72	2.82	2.87	2.96	3.04	3.14
55.0			2.68	2.80	2.91	3.02	3.07	3.15	3.23	3.32
60.0				2.98	3.09	3.21	3.26	3.34	3.42	3.50
65.0				3.14	3.26	3.38	3.43	3.52	3.59	3.68
70.0					3.41	3.54	3.59	3.68	3.75	3.84
75.0					3.54	3.68	3.73	3.82	3.89	3.98

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	4.90	4.95	5.05	5.18	5.31	5.42	5.46	5.51		
35.0	5.04	5.10	5.20	5.32	5.43	5.52	5.55	5.57	5.58	
40.0	5.16	5.25	5.36	5.48	5.60	5.68	5.70	5.71	5.70	5.67
45.0		5.41	5.55	5.69	5.82	5.91	5.93	5.93	5.92	5.89
50.0		5.60	5.79	5.97	6.12	6.23	6.25	6.27	6.26	6.22
55.0			6.09	6.32	6.52	6.66	6.70	6.72	6.72	6.70
60.0				6.78	7.03	7.22	7.27	7.33	7.34	7.33
65.0				7.35	7.68	7.93	8.01	8.09	8.13	8.14
70.0					8.47	8.80	8.91	9.03	9.11	9.15
75.0					9.44	9.86	10.00	10.18	10.29	10.37

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	22.70	29.40	36.90	45.30	54.60	65.10	69.70	76.90		
35.0	22.40	29.30	36.80	45.30	54.70	65.40	70.00	77.30	83.80	
40.0	22.30	29.10	36.70	45.20	54.70	65.40	70.10	77.50	84.10	91.10
45.0		29.00	36.50	44.90	54.50	65.30	69.90	77.40	84.10	91.10
50.0		28.90	36.20	44.50	54.00	64.70	69.40	76.90	83.60	90.70
55.0			35.70	43.80	53.10	63.80	68.50	76.00	82.70	89.80
60.0				42.80	51.80	62.30	67.00	74.40	81.10	88.20
65.0				41.20	49.90	60.20	64.70	72.10	78.80	85.90
70.0					47.20	57.10	61.60	68.80	75.40	82.50
75.0					43.50	52.90	57.20	64.30	70.80	77.80

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	14.5
Length/Width, mm	487/290
Height, mm	231
Net Weight, kg	52.6
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	69
Sound Power (HT), dBA	80
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	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	12
Locked Rotor Current, A	64
Winding Resistance, ohm	2.75
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