



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	2.75	3.66	4.70	5.90	7.29	8.89	9.59	10.70		
35.0	2.60	3.47	4.47	5.64	6.99	8.54	9.23	10.35	11.30	
40.0	2.44	3.27	4.23	5.35	6.65	8.16	8.83	9.90	10.85	11.90
45.0		3.06	3.98	5.04	6.29	7.74	8.39	9.43	10.35	11.35
50.0		2.85	3.71	4.72	5.90	7.29	7.91	8.91	9.81	10.75
55.0			3.43	4.37	5.49	6.81	7.39	8.35	9.21	10.15
60.0				4.01	5.05	6.29	6.84	7.75	8.57	9.46
65.0				3.63	4.58	5.74	6.26	7.11	7.89	8.73
70.0					4.10	5.16	5.64	6.44	7.16	7.96
75.0					3.59	4.55	4.99	5.72	6.40	7.14

50 Hz

ZRH49KJE-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	1.45	1.52	1.59	1.66	1.72	1.80	1.83	1.88		
35.0	1.55	1.64	1.71	1.78	1.86	1.93	1.96	2.01	2.05	
40.0	1.66	1.75	1.84	1.92	2.00	2.08	2.11	2.16	2.20	2.25
45.0		1.88	1.98	2.06	2.15	2.23	2.27	2.32	2.36	2.41
50.0		2.01	2.12	2.22	2.32	2.41	2.44	2.50	2.54	2.59
55.0			2.28	2.39	2.50	2.60	2.64	2.69	2.74	2.79
60.0				2.58	2.70	2.80	2.85	2.91	2.96	3.01
65.0				2.78	2.91	3.03	3.08	3.14	3.20	3.25
70.0					3.14	3.28	3.33	3.40	3.46	3.51
75.0					3.40	3.54	3.60	3.68	3.74	3.80

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	4.40	4.44	4.50	4.58	4.67	4.78	4.83	4.91		
35.0	4.51	4.57	4.65	4.73	4.83	4.93	4.98	5.05	5.11	
40.0	4.63	4.71	4.80	4.90	5.00	5.11	5.16	5.22	5.28	5.34
45.0		4.86	4.98	5.09	5.21	5.32	5.37	5.44	5.49	5.55
50.0		5.03	5.18	5.31	5.45	5.57	5.62	5.69	5.75	5.81
55.0			5.40	5.56	5.72	5.86	5.92	6.00	6.06	6.12
60.0				5.84	6.03	6.19	6.25	6.34	6.41	6.48
65.0				6.16	6.37	6.57	6.64	6.74	6.82	6.89
70.0					6.77	6.99	7.08	7.19	7.28	7.37
75.0					7.20	7.47	7.56	7.70	7.80	7.90

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	18.10	23.50	29.60	36.40	44.10	52.80	56.50	62.50		
35.0	17.90	23.40	29.50	36.40	44.20	53.00	56.90	62.90	68.30	
40.0	17.75	23.20	29.40	36.40	44.20	53.10	57.00	63.20	68.70	74.40
45.0		23.00	29.20	36.10	44.10	53.00	57.00	63.20	68.80	74.60
50.0		22.80	28.80	35.80	43.70	52.70	56.70	63.00	68.60	74.60
55.0			28.40	35.20	43.10	52.20	56.20	62.50	68.20	74.20
60.0				34.60	42.40	51.40	55.40	61.80	67.50	73.60
65.0				33.70	41.30	50.30	54.30	60.70	66.50	72.60
70.0					40.10	48.90	52.90	59.30	65.00	71.30
75.0					38.40	47.10	51.00	57.40	63.20	69.50

### **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	1430
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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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