



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	9.43	11.55	13.90	14.90	16.50			
25.0	9.04	11.10	13.40	14.40	16.00			
30.0	8.61	10.60	12.90	13.85	15.45	16.85		
35.0	8.17	10.10	12.30	13.30	14.80	16.20	17.65	
40.0	7.71	9.59	11.70	12.65	14.15	15.45	16.90	
45.0	7.25	9.04	11.10	12.00	13.45	14.70	16.10	19.10
50.0	6.78	8.47	10.40	11.30	12.65	13.90	15.25	18.20
55.0	6.31	7.89	9.74	10.55	11.90	13.05	14.35	17.20
60.0	5.85	7.31	9.04	9.81	11.05	12.20	13.40	16.15
65.0	5.40	6.73	8.32	9.04	10.20	11.30	12.45	15.00
70.0		6.15	7.60	8.26	9.35	10.35	11.45	13.85
75.0			6.87	7.47	8.46	9.38	10.40	12.65

50 Hz

ZRH72KTE-TFD

R134a

Cond °C	Power, kW							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	1.42	1.43	1.44	1.44	1.46			
25.0	1.72	1.73	1.74	1.75	1.76			
30.0	2.01	2.02	2.04	2.05	2.07	2.08		
35.0	2.30	2.32	2.35	2.36	2.38	2.39	2.40	
40.0	2.60	2.63	2.66	2.67	2.69	2.71	2.72	
45.0	2.90	2.94	2.98	3.00	3.02	3.03	3.05	3.08
50.0	3.22	3.27	3.32	3.34	3.36	3.38	3.40	3.43
55.0	3.56	3.63	3.68	3.70	3.73	3.75	3.77	3.80
60.0	3.93	4.00	4.07	4.09	4.12	4.15	4.17	4.20
65.0	4.32	4.41	4.49	4.51	4.55	4.57	4.60	4.64
70.0		4.85	4.94	4.97	5.01	5.04	5.07	5.11
75.0			5.43	5.47	5.51	5.55	5.58	5.62

Cond °C	Current at 400 V, A							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	3.11	3.10	3.13	3.15	3.19			
25.0	4.14	4.16	4.20	4.22	4.27			
30.0	5.00	5.04	5.09	5.12	5.16	5.21		
35.0	5.73	5.79	5.85	5.87	5.91	5.95	5.99	
40.0	6.36	6.42	6.49	6.51	6.54	6.57	6.60	
45.0	6.90	6.98	7.04	7.06	7.09	7.10	7.12	7.15
50.0	7.40	7.48	7.53	7.55	7.57	7.57	7.58	7.56
55.0	7.87	7.95	8.00	8.01	8.01	8.01	7.99	7.94
60.0	8.36	8.44	8.47	8.47	8.46	8.44	8.40	8.31
65.0	8.88	8.95	8.97	8.96	8.93	8.89	8.84	8.69
70.0		9.53	9.52	9.50	9.45	9.39	9.32	9.12
75.0			10.16	10.13	10.06	9.98	9.88	9.63

Cond °C	Suction Mass Flow, g/s							
	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
20.0	53.40	64.10	75.90	80.90	88.70			
25.0	53.40	64.30	76.30	81.40	89.50			
30.0	53.20	64.30	76.50	81.70	90.00	97.20		
35.0	52.80	64.10	76.50	81.80	90.20	97.60	105.50	
40.0	52.40	63.80	76.30	81.70	90.20	97.80	105.50	
45.0	51.90	63.30	75.90	81.40	90.00	97.70	105.50	123.00
50.0	51.40	62.70	75.40	80.90	89.60	97.30	105.50	123.50
55.0	50.90	62.10	74.70	80.20	89.00	96.80	105.00	123.00
60.0	50.40	61.40	73.90	79.40	88.20	96.00	104.50	122.50
65.0	50.10	60.70	73.00	78.40	87.20	95.00	103.50	122.00
70.0		60.10	72.10	77.40	86.10	93.90	102.50	121.00
75.0			71.20	76.40	84.90	92.70	101.00	120.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	17.1
Length/Width, mm	567/291
Height, mm	191
Net Weight, kg	49
Gross Weight, kg	57.5
Stub Suction, inch	7/8
Stub Discharge, inch	3/4
Oil Quantity, l	2.57
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	461 x 219 (0)
Sound Pressure @ 1m (HT), dBA	61
Sound Power (HT), dBA	72
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	7.20
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

50 Hz

ZRH72KTE-TFD

R134a

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

Maximum Operating Current, A	12.3
Locked Rotor Current, A	91.5
Default Enclosure Class	IP 56

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