



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												
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
10.0	4.76	6.10	7.77	9.81	12.30	15.20	18.65						
15.0	4.55	5.88	7.51	9.50	11.90	14.75	18.05						
20.0	4.33	5.63	7.22	9.15	11.45	14.20	17.40	21.20					
25.0	4.09	5.36	6.89	8.76	11.00	13.60	16.70	20.30	21.90				
30.0	3.84	5.06	6.55	8.33	10.45	13.00	15.95	19.45	21.00	23.40			
35.0	3.57	4.75	6.17	7.88	9.91	12.35	15.15	18.45	19.95	22.30	24.40		
40.0	3.30	4.43	5.78	7.39	9.33	11.60	14.30	17.45	18.85	21.10	23.10	25.30	
45.0			5.36	6.89	8.71	10.85	13.40	16.40	17.75	19.85	21.80	23.90	28.40
50.0				6.36	8.06	10.10	12.50	15.30	16.55	18.60	20.40	22.40	26.70
55.0					7.39	9.27	11.50	14.15	15.35	17.25	18.95	20.80	24.90
60.0						8.43	10.50	12.95	14.05	15.85	17.45	19.20	23.10
65.0							9.46	11.70	12.75	14.40	15.90	17.55	21.20

50 Hz

ZRH72KTE-TFD

R407C Dew Point

Cond °C	Power, kW												
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
10.0	1.72	1.82	1.94	2.06	2.19	2.33	2.48						
15.0	1.96	2.04	2.13	2.23	2.34	2.46	2.59						
20.0	2.23	2.29	2.35	2.43	2.52	2.62	2.73	2.85					
25.0	2.54	2.58	2.63	2.68	2.75	2.84	2.93	3.03	3.08				
30.0	2.90	2.92	2.95	2.99	3.04	3.10	3.18	3.27	3.31	3.37			
35.0	3.32	3.31	3.32	3.34	3.38	3.42	3.48	3.56	3.59	3.65	3.69		
40.0	3.79	3.76	3.75	3.76	3.77	3.81	3.85	3.91	3.94	3.99	4.03	4.08	
45.0			4.25	4.24	4.24	4.26	4.29	4.34	4.36	4.40	4.44	4.48	4.57
50.0				4.79	4.77	4.78	4.80	4.83	4.85	4.89	4.92	4.96	5.04
55.0					5.38	5.38	5.38	5.41	5.42	5.45	5.48	5.51	5.59
60.0						6.05	6.05	6.07	6.08	6.10	6.12	6.15	6.22
65.0							6.81	6.81	6.82	6.84	6.86	6.88	6.95

Cond °C	Current at 400 V, A												
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
10.0	5.08	5.26	5.44	5.63	5.84	6.05	6.27						
15.0	5.50	5.63	5.78	5.93	6.10	6.27	6.46						
20.0	5.93	6.02	6.13	6.25	6.38	6.52	6.68	6.85					
25.0	6.39	6.44	6.51	6.60	6.70	6.81	6.94	7.08	7.14				
30.0	6.88	6.90	6.94	6.99	7.06	7.15	7.25	7.37	7.42	7.50			
35.0	7.43	7.41	7.42	7.45	7.49	7.55	7.63	7.72	7.77	7.84	7.90		
40.0	8.03	7.99	7.97	7.97	7.99	8.02	8.08	8.16	8.19	8.25	8.31	8.37	
45.0			8.60	8.57	8.57	8.59	8.63	8.69	8.72	8.77	8.81	8.87	8.98
50.0				9.28	9.25	9.25	9.28	9.32	9.34	9.39	9.43	9.48	9.59
55.0					10.05	10.03	10.04	10.07	10.09	10.13	10.17	10.21	10.31
60.0						10.93	10.93	10.96	10.97	11.00	11.04	11.08	11.18
65.0							11.97	11.98	12.00	12.03	12.06	12.10	12.19

Cond °C	Suction Mass Flow, g/s												
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
10.0	24.30	30.80	38.60	48.10	59.30	72.50	87.80						
15.0	24.20	30.80	38.70	48.30	59.60	72.80	88.10						
20.0	24.00	30.70	38.70	48.30	59.60	72.90	88.20	105.50					
25.0	23.70	30.50	38.60	48.20	59.50	72.70	88.00	105.50	113.00				
30.0	23.20	30.10	38.30	47.90	59.20	72.40	87.70	105.00	113.00	125.00			
35.0	22.70	29.70	37.90	47.50	58.80	71.90	87.10	104.50	112.00	124.50	135.00		
40.0	22.10	29.10	37.30	46.90	58.10	71.10	86.20	103.50	111.00	123.50	134.00	145.50	
45.0			36.60	46.10	57.20	70.10	85.10	102.50	110.00	122.00	133.00	144.50	169.50
50.0				45.20	56.10	68.90	83.80	101.00	108.50	120.50	131.50	143.00	168.00
55.0					54.80	67.50	82.20	99.10	106.50	118.50	129.50	141.00	166.00
60.0						65.80	80.30	97.10	104.50	116.50	127.00	138.50	164.00
65.0							78.20	94.80	102.00	114.00	125.00	136.50	161.50

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	1774
Refrigerant's classification	A1

50 Hz

ZRH72KTE-TFD

R407C Dew Point

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
-------------------	----------

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