



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
20.0	20.40	25.60	31.20	33.60	37.30	
25.0	19.65	24.60	30.00	32.30	35.90	
30.0	18.75	23.40	28.60	30.80	34.40	37.50
35.0	17.70	22.20	27.10	29.30	32.70	35.70
40.0	16.60	20.80	25.50	27.60	30.90	33.80
45.0	15.45	19.35	23.80	25.80	29.00	31.80
50.0	14.20	17.85	22.10	23.90	26.90	29.70
55.0	12.95	16.25	20.20	22.00	24.90	27.50
60.0		14.65	18.35	20.00	22.70	25.20
65.0			16.40	17.95	20.50	22.80

50 Hz

ZRH100KTE-TFD

R407C Dew Point

Cond °C	Power, kW					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	3.80	3.81	3.84	3.87	3.95	
25.0	4.07	4.09	4.11	4.14	4.21	
30.0	4.44	4.48	4.49	4.51	4.57	4.65
35.0	4.90	4.95	4.97	4.99	5.03	5.10
40.0	5.44	5.52	5.54	5.56	5.59	5.65
45.0	6.07	6.17	6.21	6.22	6.25	6.30
50.0	6.77	6.90	6.96	6.97	7.00	7.05
55.0	7.55	7.72	7.79	7.81	7.84	7.88
60.0		8.61	8.70	8.73	8.76	8.80
65.0			9.70	9.72	9.76	9.80

Cond °C	Current at 400 V, A					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	9.20	9.18	9.23	9.29	9.42	
25.0	9.51	9.49	9.51	9.55	9.66	
30.0	9.95	9.95	9.95	9.98	10.05	10.17
35.0	10.52	10.54	10.55	10.56	10.62	10.71
40.0	11.22	11.28	11.29	11.31	11.35	11.42
45.0	12.04	12.15	12.19	12.20	12.24	12.30
50.0	12.99	13.16	13.23	13.26	13.30	13.35
55.0	14.07	14.31	14.43	14.46	14.51	14.56
60.0		15.58	15.76	15.81	15.88	15.94
65.0			17.24	17.31	17.40	17.47

Cond °C	Suction Mass Flow, g/s					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	105.00	129.50	155.50	167.00	184.00	
25.0	105.00	129.50	155.50	166.50	184.00	
30.0	104.50	128.50	155.00	166.00	183.50	199.00
35.0	103.50	127.50	153.50	164.50	182.00	197.50
40.0	101.50	125.50	151.50	162.50	180.50	196.00
45.0	99.60	123.00	148.50	160.00	178.00	193.50
50.0	97.00	119.50	145.50	156.50	174.50	191.00
55.0	94.00	116.00	141.50	153.00	171.00	187.50
60.0		112.00	137.50	148.50	167.00	183.50
65.0			132.50	144.00	162.50	179.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	24.9
Length/Width, mm	586/314
Height, mm	245
Net Weight, kg	63.1
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	1.63
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	NA (0)
Sound Pressure @ 1m (HT), dBA	63
Sound Power (HT), dBA	74
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Internal Free Volume, l	14.3
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	17.7
Locked Rotor Current, A	111
Winding Resistance, ohm	1.37
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