



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	19.35	22.50	26.50	28.40	31.40	
25.0	18.00	21.30	25.50	27.40	30.50	
30.0	16.75	20.20	24.40	26.30	29.40	32.30
35.0	15.55	19.05	23.30	25.20	28.30	31.20
40.0	14.35	17.85	22.00	23.90	27.00	29.90
45.0	13.10	16.55	20.70	22.50	25.60	28.30
50.0	11.80	15.15	19.15	21.00	23.90	26.60
55.0	10.40	13.60	17.45	19.20	22.00	24.60
60.0		11.90	15.50	17.15	19.80	22.20
65.0			13.30	14.80	17.30	19.55

50 Hz

ZRH87KTE-TFD

R407C Dew Point

Cond °C	Power, kW					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	3.43	3.34	3.24	3.24	3.32	
25.0	3.70	3.66	3.59	3.59	3.67	
30.0	4.03	4.03	3.98	3.99	4.06	4.20
35.0	4.43	4.46	4.43	4.44	4.50	4.63
40.0	4.91	4.97	4.95	4.96	5.01	5.12
45.0	5.49	5.58	5.55	5.55	5.59	5.68
50.0	6.17	6.27	6.25	6.24	6.26	6.33
55.0	6.97	7.08	7.05	7.03	7.02	7.06
60.0		8.02	7.96	7.93	7.89	7.91
65.0			9.00	8.95	8.89	8.87

Cond °C	Current at 400 V, A					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	8.79	8.67	8.52	8.56	8.81	
25.0	8.91	8.90	8.82	8.88	9.15	
30.0	9.14	9.21	9.19	9.26	9.53	9.98
35.0	9.50	9.65	9.65	9.72	9.98	10.42
40.0	10.03	10.22	10.23	10.29	10.53	10.93
45.0	10.75	10.95	10.94	10.98	11.19	11.55
50.0	11.68	11.88	11.83	11.84	11.99	12.30
55.0	12.85	13.02	12.90	12.87	12.96	13.20
60.0		14.40	14.19	14.11	14.12	14.28
65.0			15.71	15.59	15.49	15.57

Cond °C	Suction Mass Flow, g/s					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	99.30	114.00	132.50	141.00	155.00	
25.0	96.20	112.50	132.50	141.50	156.00	
30.0	93.40	111.00	132.00	141.50	157.00	171.50
35.0	90.60	109.50	131.50	141.50	158.00	172.50
40.0	87.70	107.50	130.50	141.00	158.00	173.00
45.0	84.50	105.00	129.00	140.00	157.00	173.00
50.0	80.60	101.50	126.50	137.50	155.00	171.00
55.0	75.70	97.10	122.00	133.50	151.50	167.50
60.0		90.90	116.00	127.50	145.50	162.00
65.0			107.50	119.00	137.00	153.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	22.1
Length/Width, mm	586/314
Height, mm	245
Net Weight, kg	59.9
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	62
Sound Power (HT), dBA	73
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	7 / 54 / 18 °C at 50 Hz
PED Category	2
Max. Internal Free Volume, l	12.0
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	15.9
Locked Rotor Current, A	95
Winding Resistance, ohm	1.8
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