



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	23.70	28.40	34.30	37.00	41.30	
25.0	22.70	27.30	33.10	35.70	39.90	
30.0	21.60	26.20	31.80	34.30	38.40	42.10
35.0	20.40	24.80	30.30	32.70	36.70	40.20
40.0	19.10	23.40	28.70	31.00	34.80	38.20
45.0	17.60	21.80	26.90	29.10	32.80	36.00
50.0	16.00	20.00	24.90	27.10	30.60	33.70
55.0	14.35	18.20	22.90	24.90	28.20	31.20
60.0		16.25	20.70	22.60	25.70	28.50
65.0			18.35	20.20	23.10	25.70

50 Hz

ZRH116KTE-TFD

R407C Dew Point

Cond °C	Power, kW					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	4.20	4.12	4.11	4.14	4.23	
25.0	4.68	4.64	4.64	4.67	4.75	
30.0	5.21	5.20	5.21	5.23	5.30	5.40
35.0	5.79	5.81	5.83	5.85	5.90	5.98
40.0	6.45	6.50	6.52	6.53	6.57	6.63
45.0	7.19	7.27	7.30	7.30	7.33	7.37
50.0	8.05	8.15	8.18	8.18	8.19	8.20
55.0	9.04	9.16	9.18	9.18	9.17	9.16
60.0		10.30	10.35	10.30	10.30	10.25
65.0			11.65	11.60	11.55	11.50

Cond °C	Current at 400 V, A					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	9.97	9.99	9.95	9.95	9.98	
25.0	10.49	10.56	10.54	10.55	10.59	
30.0	11.09	11.20	11.21	11.21	11.25	11.34
35.0	11.80	11.94	11.97	11.98	12.02	12.09
40.0	12.66	12.83	12.86	12.87	12.90	12.96
45.0	13.69	13.88	13.91	13.91	13.93	13.98
50.0	14.93	15.12	15.15	15.14	15.15	15.18
55.0	16.39	16.59	16.60	16.59	16.57	16.58
60.0		18.31	18.31	18.28	18.24	18.23
65.0			20.29	20.24	20.18	20.13

Cond °C	Suction Mass Flow, g/s					
	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	121.50	143.50	171.50	183.50	204.00	
25.0	121.50	144.00	172.00	184.50	205.00	
30.0	120.50	143.50	172.00	184.50	205.00	223.00
35.0	119.00	142.50	171.50	184.00	205.00	223.00
40.0	117.00	140.50	170.00	183.00	203.00	221.00
45.0	113.50	138.00	167.50	180.50	201.00	219.00
50.0	109.50	134.50	164.50	177.50	198.50	217.00
55.0	104.50	130.00	160.00	173.50	194.50	213.00
60.0		124.00	155.00	168.50	189.50	208.00
65.0			148.50	162.00	183.00	202.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	29.1
Length/Width, mm	586/314
Height, mm	245
Net Weight, kg	64
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	19.6
Locked Rotor Current, A	118
Winding Resistance, ohm	1.24
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