



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	
25.0	9.49	12.35	15.50	19.05	23.20	28.00	33.60	40.10	43.10	47.80				
30.0	8.32	11.30	14.45	17.95	21.90	26.50	31.70	37.90	40.60	45.10	49.10	53.40		
35.0		10.05	13.30	16.75	20.60	24.90	29.90	35.70	38.30	42.40	46.20	50.20		
40.0			11.95	15.40	19.15	23.40	28.10	33.60	36.00	39.90	43.40	47.10	55.50	
45.0				13.85	17.60	21.60	26.20	31.30	33.60	37.20	40.50	44.00	51.80	
50.0					15.80	19.75	24.10	29.00	31.10	34.50	37.60	40.90	48.10	
55.0						17.60	21.80	26.50	28.50	31.70	34.50	37.60	44.30	
60.0							19.20	23.60	25.50	28.50	31.20	34.00	40.30	
65.0								20.40	22.20	25.00	27.40	30.00	35.80	

50 Hz

ZP137KCE-TFD

R410A 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
25.0	5.09	5.15	5.18	5.20	5.22	5.25	5.30	5.38	5.42	5.50			
30.0	5.74	5.80	5.83	5.85	5.86	5.87	5.89	5.95	5.98	6.03	6.10	6.17	
35.0		6.51	6.54	6.56	6.56	6.56	6.57	6.60	6.62	6.66	6.71	6.77	
40.0			7.33	7.35	7.35	7.34	7.34	7.35	7.37	7.39	7.43	7.47	7.59
45.0				8.22	8.23	8.22	8.21	8.21	8.22	8.24	8.26	8.29	8.39
50.0					9.21	9.21	9.20	9.19	9.20	9.21	9.22	9.24	9.32
55.0						10.30	10.30	10.30	10.30	10.30	10.30	10.35	10.40
60.0							11.55	11.55	11.55	11.55	11.55	11.60	11.65
65.0								12.95	13.00	13.00	13.00	13.00	13.05

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
25.0	11.24	11.24	11.25	11.27	11.30	11.35	11.42	11.50	11.54	11.61			
30.0	12.05	12.06	12.06	12.08	12.10	12.13	12.18	12.24	12.27	12.31	12.36	12.41	
35.0		13.00	13.01	13.02	13.03	13.05	13.08	13.12	13.14	13.17	13.20	13.23	
40.0			14.11	14.12	14.12	14.13	14.15	14.16	14.17	14.19	14.21	14.23	14.27
45.0				15.39	15.40	15.40	15.40	15.40	15.40	15.40	15.41	15.41	15.43
50.0					16.87	16.86	16.85	16.84	16.84	16.83	16.82	16.81	16.80
55.0						18.56	18.54	18.52	18.50	18.48	18.47	18.45	18.41
60.0							20.48	20.44	20.43	20.40	20.37	20.34	20.29
65.0								22.64	22.62	22.59	22.56	22.52	22.44

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
25.0	53.10	68.20	84.50	102.50	123.50	147.00	175.00	207.00	221.00	245.00			
30.0	48.90	65.40	82.60	101.00	122.00	145.50	173.00	205.00	218.00	241.00	261.00	283.00	
35.0		61.40	79.90	99.30	120.50	144.50	171.50	202.00	216.00	238.00	258.00	279.00	
40.0			75.90	96.50	118.50	142.50	169.50	200.00	214.00	235.00	255.00	276.00	322.00
45.0				92.40	115.50	140.00	167.50	198.00	211.00	233.00	252.00	273.00	318.00
50.0					111.00	136.50	164.50	195.50	209.00	230.00	249.00	270.00	315.00
55.0						131.50	160.50	192.00	206.00	227.00	246.00	267.00	312.00
60.0							154.50	187.50	201.00	223.00	243.00	263.00	308.00
65.0								181.00	196.00	219.00	239.00	260.00	306.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	22.1
Length/Width, mm	281/285
Height, mm	533
Net Weight, kg	62.6
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.25
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
Sound Power with Sound Shell (HT), dBA	66
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	13.3
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	25
Locked Rotor Current, A	118
Winding Resistance, ohm	1.23
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
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ACCESSORIES OPTIONAL

Mounting Grommets	Rubber Grommet For Single
Mounting Grommets	Hard Mounts for Paralleling

50 Hz

ZP137KCE-TFD

R410A Dew Point

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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04