



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	10.80	14.05	17.65	21.70	26.20	31.60	37.80	45.00	48.20	53.30				
30.0	9.57	12.95	16.55	20.50	25.00	30.10	36.00	42.80	45.80	50.70	55.10	59.90		
35.0		11.75	15.35	19.25	23.60	28.50	34.10	40.60	43.40	48.00	52.20	56.70		
40.0			14.05	17.90	22.10	26.80	32.10	38.20	40.90	45.30	49.20	53.30	62.60	
45.0				16.45	20.50	25.00	30.00	35.80	38.30	42.30	46.00	49.90	58.60	
50.0					18.70	23.00	27.70	33.10	35.50	39.20	42.60	46.30	54.30	
55.0						20.80	25.20	30.20	32.40	35.90	39.10	42.40	49.90	
60.0							22.50	27.10	29.10	32.30	35.20	38.20	45.00	
65.0								19.35	23.50	25.30	28.20	30.80	33.50	39.60

50 Hz

ZP154KCE-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	5.72	5.74	5.78	5.85	5.95	6.07	6.22	6.41	6.49	6.62			
30.0	6.42	6.44	6.48	6.53	6.61	6.72	6.85	7.00	7.07	7.19	7.29	7.40	
35.0		7.21	7.25	7.30	7.37	7.45	7.56	7.69	7.75	7.85	7.94	8.03	
40.0			8.10	8.15	8.21	8.29	8.38	8.49	8.54	8.62	8.70	8.77	8.95
45.0				9.11	9.17	9.24	9.32	9.41	9.45	9.52	9.58	9.65	9.79
50.0					10.25	10.30	10.40	10.45	10.50	10.55	10.60	10.65	10.80
55.0						11.50	11.60	11.65	11.70	11.75	11.80	11.85	11.90
60.0							12.95	13.00	13.05	13.10	13.10	13.15	13.25
65.0								14.45	14.50	14.55	14.60	14.65	14.70

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	12.59	12.62	12.68	12.78	12.90	13.06	13.26	13.50	13.60	13.78			
30.0	13.48	13.51	13.57	13.65	13.75	13.89	14.06	14.26	14.35	14.51	14.64	14.79	
35.0		14.51	14.57	14.64	14.74	14.85	15.00	15.18	15.26	15.39	15.50	15.63	
40.0			15.71	15.79	15.87	15.98	16.11	16.26	16.33	16.45	16.55	16.66	16.91
45.0				17.11	17.20	17.30	17.42	17.55	17.62	17.72	17.80	17.90	18.12
50.0					18.73	18.84	18.95	19.08	19.13	19.22	19.30	19.39	19.58
55.0						20.62	20.74	20.86	20.91	21.00	21.07	21.15	21.31
60.0							22.81	22.93	22.99	23.07	23.14	23.21	23.36
65.0								25.19	25.33	25.38	25.46	25.53	25.75

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	60.40	77.70	96.10	116.50	139.50	166.00	196.50	232.00	248.00	273.00			
30.0	56.20	75.00	94.50	115.50	139.00	165.50	196.00	231.00	246.00	271.00	293.00	317.00	
35.0		71.60	92.30	114.00	138.00	165.00	195.00	230.00	245.00	269.00	291.00	315.00	
40.0			89.40	112.00	136.50	163.50	194.00	228.00	243.00	267.00	289.00	312.00	364.00
45.0				109.50	134.50	161.50	192.00	226.00	241.00	265.00	286.00	309.00	360.00
50.0					131.50	159.00	189.50	223.00	238.00	262.00	283.00	305.00	355.00
55.0						155.00	186.00	220.00	234.00	258.00	279.00	301.00	350.00
60.0							181.00	215.00	230.00	253.00	274.00	296.00	345.00
65.0								174.50	209.00	224.00	247.00	268.00	338.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	24.9
Length/Width, mm	281/285
Height, mm	552
Net Weight, kg	64.9
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	65
Sound Power (HT), dBA	76
Sound Power with Sound Shell (HT), dBA	65
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	14.0
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	31
Locked Rotor Current, A	140
Winding Resistance, ohm	1.09
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

ZP154KCE-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