



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	12.50	16.45	20.70	25.40	30.80	37.10	44.40	53.10	56.90	63.10				
30.0	11.15	15.15	19.40	24.00	29.20	35.20	42.20	50.30	53.90	59.80	65.10	70.80		
35.0		13.85	18.05	22.60	27.70	33.40	40.00	47.60	51.00	56.50	61.50	66.80		
40.0			16.65	21.10	26.00	31.40	37.70	44.90	48.00	53.20	57.80	62.90	74.10	
45.0				19.45	24.20	29.40	35.30	42.00	45.00	49.80	54.10	58.80	69.30	
50.0					22.20	27.10	32.70	39.00	41.80	46.20	50.30	54.60	64.30	
55.0						24.60	29.80	35.70	38.30	42.40	46.20	50.20	59.10	
60.0							26.70	32.10	34.50	38.30	41.70	45.40	53.60	
65.0								23.00	27.90	30.10	33.60	36.60	40.00	47.40

50 Hz

ZP182KCE-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	6.75	6.83	6.92	7.02	7.13	7.22	7.31	7.38	7.40	7.42			
30.0	7.53	7.59	7.68	7.79	7.90	8.01	8.12	8.22	8.26	8.30	8.33	8.36	
35.0		8.45	8.53	8.63	8.74	8.86	8.98	9.09	9.14	9.20	9.24	9.28	
40.0			9.50	9.58	9.67	9.79	9.91	10.05	10.10	10.15	10.20	10.25	10.35
45.0				10.65	10.75	10.85	10.95	11.05	11.10	11.20	11.25	11.30	11.40
50.0					12.00	12.05	12.15	12.25	12.25	12.35	12.40	12.45	12.55
55.0						13.45	13.50	13.55	13.60	13.65	13.70	13.75	13.85
60.0							15.10	15.10	15.15	15.15	15.20	15.20	15.30
65.0							16.90	16.90	16.90	16.90	16.90	16.90	16.95

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	17.26	17.41	17.55	17.67	17.77	17.86	17.95	18.04	18.08	18.13			
30.0	18.05	18.24	18.42	18.57	18.71	18.83	18.96	19.08	19.12	19.20	19.26	19.33	
35.0		19.22	19.41	19.58	19.74	19.89	20.03	20.17	20.23	20.32	20.39	20.47	
40.0			20.59	20.78	20.94	21.10	21.25	21.40	21.46	21.55	21.62	21.70	21.87
45.0				22.21	22.37	22.52	22.67	22.81	22.87	22.95	23.03	23.10	23.26
50.0					24.09	24.22	24.35	24.47	24.52	24.60	24.66	24.72	24.86
55.0						26.25	26.35	26.45	26.48	26.54	26.58	26.63	26.74
60.0							28.74	28.79	28.81	28.84	28.86	28.89	28.95
65.0							31.58	31.57	31.57	31.57	31.56	31.56	31.56

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	70.00	90.70	112.50	136.50	164.00	195.00	231.00	274.00	293.00	323.00			
30.0	65.50	87.80	111.00	135.50	163.00	194.00	230.00	271.00	290.00	320.00	347.00	375.00	
35.0		84.40	108.50	134.00	162.00	193.00	229.00	269.00	288.00	317.00	343.00	372.00	
40.0			106.00	132.50	160.50	192.00	227.00	268.00	285.00	314.00	340.00	368.00	430.00
45.0				129.50	158.50	190.00	225.00	265.00	283.00	311.00	337.00	364.00	425.00
50.0					155.50	187.50	223.00	263.00	280.00	308.00	333.00	360.00	421.00
55.0						184.00	220.00	259.00	277.00	304.00	329.00	356.00	416.00
60.0							215.00	255.00	272.00	300.00	325.00	351.00	410.00
65.0							207.00	248.00	266.00	294.00	319.00	345.00	405.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	29.1
Length/Width, mm	281/285
Height, mm	552
Net Weight, kg	66.2
Gross Weight, kg	77
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	66
Sound Power (HT), dBA	77
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
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	34
Locked Rotor Current, A	174
Winding Resistance, ohm	0.83
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	Hard Mounts for Paralleling
Mounting Grommets	Rubber Grommet For Single

50 Hz

ZP182KCE-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