



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	8.65	11.00	13.75	16.90	20.60	25.00	30.00	35.70	38.30	42.40				
30.0	7.96	10.30	13.00	16.05	19.65	23.80	28.50	34.00	36.40	40.30	43.70	47.40		
35.0		9.51	12.15	15.15	18.55	22.50	27.00	32.20	34.50	38.20	41.50	44.90		
40.0			11.20	14.15	17.45	21.20	25.50	30.40	32.60	36.00	39.10	42.40	49.70	
45.0				13.00	16.20	19.80	23.90	28.50	30.60	33.80	36.80	39.90	46.70	
50.0					14.80	18.25	22.10	26.50	28.50	31.50	34.30	37.20	43.60	
55.0						16.55	20.20	24.40	26.20	29.10	31.60	34.40	40.40	
60.0							18.15	22.00	23.70	26.40	28.80	31.30	36.90	
65.0								19.35	20.90	23.40	25.60	27.90	33.00	

50 Hz

ZP122KCE-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	4.71	4.75	4.77	4.79	4.82	4.86	4.92	5.02	5.07	5.17			
30.0	5.23	5.28	5.31	5.33	5.35	5.38	5.43	5.51	5.55	5.63	5.70	5.80	
35.0		5.88	5.92	5.94	5.95	5.97	6.01	6.07	6.10	6.16	6.23	6.30	
40.0			6.60	6.62	6.64	6.65	6.67	6.72	6.74	6.79	6.84	6.90	7.06
45.0				7.39	7.41	7.42	7.43	7.46	7.48	7.51	7.55	7.60	7.73
50.0					8.28	8.28	8.29	8.30	8.31	8.34	8.37	8.40	8.50
55.0						9.26	9.26	9.26	9.27	9.28	9.30	9.32	9.40
60.0							10.35	10.35	10.35	10.35	10.35	10.35	10.40
65.0								11.55	11.55	11.55	11.55	11.55	11.60

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	12.39	12.40	12.40	12.40	12.41	12.45	12.52	12.63	12.69	12.80			
30.0	12.83	12.85	12.85	12.85	12.86	12.89	12.94	13.04	13.09	13.18	13.27	13.38	
35.0		13.40	13.42	13.42	13.43	13.45	13.49	13.56	13.60	13.67	13.75	13.84	
40.0			14.10	14.11	14.12	14.13	14.16	14.21	14.24	14.30	14.36	14.44	14.63
45.0				14.94	14.95	14.96	14.98	15.01	15.04	15.08	15.13	15.19	15.35
50.0					15.95	15.95	15.96	15.98	16.00	16.03	16.07	16.11	16.24
55.0						17.13	17.13	17.14	17.15	17.17	17.19	17.22	17.32
60.0							18.50	18.50	18.50	18.51	18.52	18.54	18.61
65.0								20.08	20.08	20.08	20.08	20.09	20.13

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	48.40	60.70	74.80	91.00	109.50	131.50	156.00	184.50	197.00	217.00			
30.0	46.80	59.70	74.20	90.60	109.50	131.00	155.50	183.50	195.50	215.00	233.00	252.00	
35.0		58.00	73.00	89.80	108.50	130.00	154.50	182.50	194.50	214.00	231.00	250.00	
40.0			71.30	88.50	108.00	129.50	154.00	181.50	193.50	213.00	230.00	248.00	288.00
45.0				86.50	106.00	128.00	152.50	180.50	192.50	212.00	229.00	247.00	287.00
50.0					104.00	126.50	151.00	179.00	191.00	210.00	227.00	245.00	285.00
55.0						123.50	149.00	177.00	189.50	209.00	226.00	244.00	284.00
60.0							146.00	175.00	187.00	207.00	224.00	242.00	283.00
65.0								172.00	184.50	205.00	223.00	241.00	282.00

### **COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m³/h	19.5
Length/Width, mm	297/262
Height, mm	559
Net Weight, kg	48.8
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.51
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	61
Sound Power (HT), dBA	72
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	7.20
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	21.6
Locked Rotor Current, A	139
Winding Resistance, ohm	1.17
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

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

### **MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04