



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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	4.31	5.42	6.73	8.26						
15.0	4.13	5.20	6.47	7.95	9.63					
20.0	3.93	4.96	6.19	7.61	9.23	11.05				
25.0	3.71	4.71	5.88	7.24	8.80	10.55	11.30	12.50		
30.0	3.48	4.43	5.55	6.85	8.34	10.00	10.75	11.90	12.90	13.95
35.0	3.24	4.14	5.20	6.44	7.86	9.46	10.15	11.25	12.20	13.25
40.0	2.99	3.83	4.84	6.01	7.35	8.87	9.53	10.55	11.50	12.45
45.0		3.52	4.46	5.56	6.83	8.26	8.88	9.87	10.75	11.65
50.0			4.07	5.10	6.28	7.62	8.20	9.13	9.95	10.80
55.0				4.62	5.71	6.96	7.50	8.36	9.13	9.93
60.0					5.11	6.26	6.75	7.55	8.25	9.00
65.0						5.49	5.94	6.66	7.30	7.97

50 Hz

ZP36K5E-TFD

R410A Dew Point

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	0.90	0.88	0.85	0.81						
15.0	1.10	1.08	1.05	1.02	0.98					
20.0	1.30	1.28	1.25	1.22	1.18	1.15				
25.0	1.50	1.48	1.45	1.42	1.38	1.35	1.34	1.32		
30.0	1.70	1.69	1.66	1.64	1.60	1.56	1.54	1.52	1.50	1.48
35.0	1.94	1.92	1.90	1.86	1.82	1.78	1.77	1.74	1.72	1.70
40.0	2.19	2.18	2.15	2.12	2.08	2.04	2.02	1.99	1.96	1.94
45.0		2.47	2.44	2.41	2.36	2.32	2.30	2.27	2.24	2.22
50.0			2.77	2.73	2.69	2.64	2.62	2.58	2.55	2.53
55.0				3.11	3.06	3.00	2.98	2.94	2.91	2.88
60.0					3.48	3.42	3.40	3.36	3.32	3.29
65.0						3.91	3.88	3.83	3.80	3.76

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	2.71	2.67	2.63	2.58						
15.0	2.92	2.89	2.85	2.81	2.77					
20.0	3.14	3.11	3.07	3.03	2.99	2.95				
25.0	3.36	3.34	3.30	3.26	3.22	3.18	3.16	3.14		
30.0	3.60	3.58	3.55	3.51	3.47	3.42	3.40	3.38	3.36	3.34
35.0	3.86	3.85	3.82	3.78	3.73	3.68	3.66	3.63	3.61	3.59
40.0	4.16	4.15	4.12	4.08	4.03	3.98	3.96	3.93	3.90	3.87
45.0		4.49	4.46	4.42	4.37	4.32	4.29	4.26	4.23	4.20
50.0			4.86	4.82	4.76	4.70	4.68	4.64	4.60	4.57
55.0				5.27	5.21	5.15	5.12	5.07	5.04	5.00
60.0					5.74	5.66	5.63	5.58	5.54	5.50
65.0						6.26	6.22	6.17	6.12	6.07

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	20.70	25.80	31.70	38.60						
15.0	20.70	25.70	31.70	38.50	46.20					
20.0	20.50	25.60	31.50	38.40	46.10	54.70				
25.0	20.20	25.30	31.30	38.10	45.80	54.40	58.20	64.00		
30.0	19.90	25.00	30.90	37.70	45.40	54.00	57.80	63.60	68.70	74.10
35.0	19.50	24.50	30.50	37.30	44.90	53.50	57.20	63.10	68.20	73.60
40.0	19.00	24.00	29.90	36.70	44.30	52.90	56.60	62.40	67.60	72.90
45.0		23.40	29.30	36.00	43.60	52.20	55.90	61.70	66.80	72.20
50.0			28.60	35.30	42.90	51.40	55.10	60.90	66.00	71.30
55.0				34.50	42.00	50.50	54.20	60.00	65.10	70.50
60.0					41.20	49.60	53.30	59.10	64.20	69.60
65.0						48.80	52.50	58.30	63.50	68.90

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	6.03
Length/Width, mm	243/243
Height, mm	506
Net Weight, kg	32.3
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
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	57
Sound Power (HT), dBA	68
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	3.10
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Min., °C	-35
Refrigerant's GWP	2088
Refrigerant's classification	A1

50 Hz

ZP36K5E-TFD

R410A Dew Point

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

Maximum Operating Current, A	7
Locked Rotor Current, A	46
Winding Resistance, ohm	4.68
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

Mounting Grommets	Rubber Grommet For Single
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### **ACCESSORIES OPTIONAL**

Crankcase Heater	40 W External
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### **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