



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	8.03	9.86	12.05	14.60						
15.0	7.63	9.41	11.50	13.95	16.85					
20.0	7.23	8.95	10.95	13.30	16.05	19.25				
25.0	6.81	8.48	10.40	12.70	15.30	18.30	19.65	21.80		
30.0	6.37	7.99	9.86	12.00	14.50	17.40	18.65	20.70	22.50	24.40
35.0	5.89	7.47	9.26	11.35	13.70	16.45	17.65	19.55	21.30	23.10
40.0	5.38	6.90	8.63	10.60	12.85	15.45	16.60	18.40	20.00	21.80
45.0		6.29	7.96	9.84	12.00	14.45	15.50	17.20	18.75	20.40
50.0			7.22	9.01	11.05	13.35	14.35	15.95	17.40	18.95
55.0				8.11	10.00	12.20	13.10	14.65	16.00	17.40
60.0					8.91	10.90	11.80	13.20	14.45	15.80
65.0						9.51	10.30	11.60	12.75	13.95

50 Hz

ZP61K5E-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	1.48	1.43	1.36	1.29						
15.0	1.76	1.72	1.68	1.62	1.56					
20.0	2.04	2.02	1.99	1.95	1.90	1.86				
25.0	2.35	2.33	2.31	2.28	2.25	2.22	2.21	2.20		
30.0	2.69	2.68	2.65	2.63	2.60	2.58	2.57	2.56	2.56	2.57
35.0	3.08	3.06	3.04	3.01	2.99	2.96	2.96	2.95	2.95	2.96
40.0	3.54	3.52	3.48	3.45	3.42	3.39	3.38	3.38	3.38	3.38
45.0		4.04	4.00	3.95	3.91	3.88	3.87	3.86	3.85	3.85
50.0			4.60	4.54	4.48	4.43	4.42	4.40	4.39	4.38
55.0				5.23	5.15	5.08	5.06	5.03	5.01	4.99
60.0					5.92	5.83	5.80	5.75	5.72	5.70
65.0						6.70	6.65	6.59	6.55	6.51

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	3.86	3.80	3.71	3.62						
15.0	4.15	4.11	4.06	3.98	3.91					
20.0	4.47	4.44	4.40	4.35	4.30	4.24				
25.0	4.82	4.81	4.78	4.74	4.70	4.66	4.64	4.62		
30.0	5.23	5.22	5.20	5.16	5.13	5.10	5.09	5.08	5.07	5.07
35.0	5.72	5.70	5.68	5.64	5.61	5.58	5.57	5.56	5.56	5.56
40.0	6.31	6.28	6.24	6.20	6.16	6.12	6.11	6.10	6.10	6.10
45.0		6.96	6.90	6.85	6.79	6.75	6.73	6.72	6.71	6.71
50.0			7.69	7.61	7.53	7.47	7.45	7.42	7.41	7.40
55.0				8.50	8.40	8.31	8.28	8.24	8.21	8.19
60.0					9.41	9.29	9.25	9.19	9.15	9.11
65.0						10.43	10.37	10.29	10.23	10.18

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	38.70	47.00	56.70	68.20						
15.0	38.20	46.50	56.30	67.70	80.80					
20.0	37.70	46.10	55.90	67.20	80.20	95.20				
25.0	37.10	45.60	55.40	66.70	79.70	94.50	101.00	111.50		
30.0	36.40	45.00	54.90	66.20	79.10	93.80	100.00	110.50	119.50	129.50
35.0	35.40	44.30	54.20	65.50	78.40	93.00	99.40	109.50	119.00	128.50
40.0	34.20	43.30	53.40	64.70	77.60	92.20	98.50	108.50	118.00	127.50
45.0		41.90	52.20	63.70	76.60	91.20	97.50	107.50	116.50	126.50
50.0			50.70	62.30	75.30	89.90	96.30	106.50	115.50	125.00
55.0				60.60	73.70	88.50	94.80	105.00	114.00	123.50
60.0					71.70	86.60	93.10	103.50	112.50	122.00
65.0						84.50	91.10	101.50	110.50	120.50

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	9.95
Length/Width, mm	246/246
Height, mm	445
Net Weight, kg	35
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)	
Max. Internal Free Volume, l	3.30
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

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

Maximum Operating Current, A	11
Locked Rotor Current, A	67.1
Winding Resistance, ohm	2.52
Default Enclosure Class	IP 21 (IEC 34)

50 Hz

ZP61K5E-TFD

R410A Dew Point

### **ACCESSORIES INCLUDED**

Mounting Grommets

Rubber Grommet For Single

### **ACCESSORIES OPTIONAL**

Enclosure Class

IP 54

### **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