



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 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
25.0	3.54	4.62	5.81	7.10	8.43	9.79	10.35	11.15	11.80
30.0	3.21	4.24	5.39	6.62	7.89	9.19	9.71	10.45	11.10
35.0	2.86	3.85	4.95	6.13	7.36	8.60	9.10	9.83	10.40
40.0	2.49	3.44	4.50	5.63	6.81	8.00	8.48	9.18	9.75
45.0		2.99	4.01	5.10	6.24	7.39	7.84	8.51	9.06
50.0			3.48	4.54	5.63	6.73	7.17	7.81	8.33
55.0				3.91	4.97	6.03	6.45	7.07	7.57
60.0					4.24	5.26	5.66	6.25	6.73
65.0						4.40	4.78	5.34	5.79

50 Hz

ZP32K3E-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
25.0	1.42	1.39	1.35	1.30	1.26	1.22	1.20	1.18	1.16
30.0	1.60	1.58	1.53	1.49	1.44	1.40	1.38	1.37	1.36
35.0	1.84	1.80	1.74	1.70	1.65	1.60	1.59	1.58	1.56
40.0	2.11	2.06	2.00	1.94	1.88	1.84	1.82	1.80	1.78
45.0		2.37	2.30	2.22	2.16	2.10	2.08	2.05	2.04
50.0			2.65	2.56	2.47	2.40	2.38	2.34	2.32
55.0				2.95	2.84	2.75	2.72	2.68	2.65
60.0					3.27	3.16	3.12	3.06	3.02
65.0						3.63	3.58	3.51	3.46

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
25.0	1.73	1.74	1.74	1.74	1.73	1.73	1.74	1.74	1.76
30.0	2.03	2.04	2.05	2.05	2.05	2.06	2.07	2.08	2.10
35.0	2.39	2.40	2.41	2.41	2.42	2.43	2.44	2.46	2.48
40.0	2.84	2.85	2.85	2.85	2.86	2.87	2.88	2.89	2.92
45.0		3.41	3.40	3.39	3.39	3.39	3.40	3.42	3.43
50.0			4.09	4.06	4.05	4.04	4.04	4.05	4.06
55.0				4.89	4.85	4.83	4.82	4.82	4.83
60.0					5.83	5.78	5.77	5.75	5.75
65.0						6.93	6.91	6.88	6.86

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
25.0	19.30	24.90	30.90	37.30	43.90	50.50	53.10	56.90	60.10
30.0	18.35	23.90	30.00	36.40	43.00	49.60	52.20	56.00	59.10
35.0	17.20	22.90	29.00	35.50	42.10	48.70	51.30	55.10	58.20
40.0	15.85	21.60	27.80	34.40	41.10	47.70	50.40	54.20	57.30
45.0		19.90	26.30	33.10	39.90	46.70	49.30	53.20	56.40
50.0			24.40	31.40	38.40	45.40	48.10	52.10	55.30
55.0				29.20	36.60	43.80	46.60	50.70	54.00
60.0					34.10	41.70	44.70	49.00	52.40
65.0						39.10	42.20	46.80	50.40

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.34
Length/Width, mm	246/246
Height, mm	384
Net Weight, kg	28.1
Stub Suction, inch	3/4
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	56
Sound Power (HT), dBA	67
Sound Power with Sound Shell (HT), dBA	60
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	2.50
High Side PS gauge, bar	45
Low Side PS gauge, bar	28
Low Side TS Max., °C	50
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	7
Locked Rotor Current, A	35
Winding Resistance, ohm	5.35
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
------------------	---------------

50 Hz

ZP32K3E-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