



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	4.64	5.74	7.04	8.54	10.25	12.25	13.15	14.50	15.75
30.0	4.31	5.37	6.60	8.04	9.70	11.60	12.45	13.75	14.95
35.0	3.99	5.00	6.17	7.54	9.11	10.90	11.70	13.00	14.10
40.0	3.67	4.62	5.73	7.03	8.52	10.25	11.00	12.20	13.25
45.0		4.24	5.28	6.50	7.91	9.52	10.25	11.35	12.40
50.0			4.82	5.95	7.27	8.79	9.45	10.50	11.50
55.0				5.37	6.59	8.00	8.63	9.62	10.50
60.0					5.87	7.17	7.74	8.66	9.49
65.0						6.23	6.75	7.59	8.34

50 Hz

ZP41K3E-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	1.68	1.67	1.66	1.63	1.60	1.56	1.54	1.51	1.48
30.0	1.90	1.90	1.88	1.86	1.84	1.80	1.79	1.76	1.74
35.0	2.13	2.13	2.12	2.11	2.09	2.06	2.05	2.03	2.01
40.0	2.40	2.40	2.39	2.38	2.36	2.33	2.32	2.30	2.29
45.0		2.70	2.69	2.68	2.66	2.63	2.62	2.61	2.59
50.0			3.04	3.02	3.00	2.97	2.96	2.94	2.93
55.0				3.42	3.39	3.36	3.35	3.33	3.31
60.0					3.85	3.81	3.80	3.78	3.76
65.0						4.34	4.32	4.29	4.27

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	3.88	3.88	3.86	3.83	3.79	3.74	3.72	3.70	3.67
30.0	4.14	4.14	4.13	4.10	4.07	4.03	4.02	4.00	3.98
35.0	4.43	4.43	4.42	4.40	4.37	4.33	4.32	4.30	4.29
40.0	4.78	4.78	4.76	4.73	4.70	4.67	4.66	4.64	4.63
45.0		5.19	5.17	5.13	5.10	5.06	5.04	5.02	5.01
50.0			5.66	5.62	5.57	5.52	5.51	5.48	5.46
55.0				6.21	6.15	6.09	6.06	6.03	6.01
60.0					6.85	6.77	6.74	6.70	6.66
65.0						7.59	7.55	7.50	7.46

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	25.30	30.90	37.40	44.90	53.50	63.30	67.50	74.30	80.30
30.0	24.60	30.30	36.80	44.30	52.80	62.50	66.80	73.50	79.60
35.0	24.00	29.60	36.10	43.60	52.10	61.80	66.10	72.80	78.80
40.0	23.30	29.00	35.40	42.90	51.40	61.00	65.30	72.00	78.00
45.0		28.20	34.70	42.10	50.60	60.20	64.40	71.10	77.10
50.0			33.80	41.20	49.60	59.20	63.40	70.10	76.10
55.0				40.10	48.50	58.10	62.30	69.00	75.00
60.0					47.20	56.90	61.10	67.80	73.80
65.0						55.40	59.60	66.40	72.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	6.87
Length/Width, mm	242/242
Height, mm	397
Net Weight, kg	32.5
Gross Weight, kg	34.5
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.25
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	56
Sound Power (HT), dBA	67
Sound Power with Sound Shell (HT), dBA	61
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	2.60
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	8
Locked Rotor Current, A	48
Winding Resistance, ohm	3.9
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
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50 Hz

ZP41K3E-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