



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
27.0	6.61	8.24	10.15	12.35	14.90	17.80	19.05	21.10	22.90
30.0	6.36	7.94	9.78	11.95	14.40	17.20	18.45	20.40	22.10
35.0	5.94	7.44	9.19	11.25	13.60	16.25	17.45	19.30	21.00
40.0	5.52	6.93	8.58	10.50	12.75	15.25	16.40	18.15	19.75
45.0		6.40	7.95	9.76	11.85	14.25	15.30	16.95	18.45
50.0			7.30	8.98	10.90	13.15	14.15	15.70	17.10
55.0				8.17	9.96	12.05	12.95	14.40	15.70
60.0					8.95	10.85	11.65	13.00	14.20
65.0						9.53	10.30	11.50	12.55

50 Hz

ZPD61KCE-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
27.0	2.42	2.48	2.53	2.57	2.62	2.69	2.73	2.78	2.84
30.0	2.60	2.66	2.71	2.76	2.81	2.86	2.89	2.94	2.98
35.0	2.89	2.97	3.04	3.09	3.13	3.18	3.20	3.23	3.27
40.0	3.18	3.30	3.39	3.45	3.50	3.55	3.56	3.59	3.61
45.0		3.64	3.76	3.85	3.92	3.96	3.98	4.01	4.03
50.0			4.16	4.28	4.37	4.43	4.46	4.48	4.50
55.0				4.74	4.87	4.96	4.98	5.02	5.05
60.0					5.40	5.53	5.57	5.62	5.65
65.0						6.15	6.20	6.27	6.32

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
27.0	5.39	5.45	5.51	5.56	5.62	5.67	5.69	5.72	5.75
30.0	5.58	5.65	5.72	5.77	5.82	5.87	5.89	5.91	5.94
35.0	5.91	6.00	6.09	6.15	6.21	6.25	6.27	6.29	6.30
40.0	6.26	6.39	6.50	6.58	6.65	6.70	6.72	6.74	6.75
45.0		6.80	6.95	7.06	7.15	7.22	7.24	7.26	7.28
50.0			7.45	7.60	7.72	7.81	7.84	7.88	7.90
55.0				8.20	8.36	8.49	8.53	8.57	8.61
60.0					9.07	9.24	9.29	9.36	9.41
65.0						10.07	10.15	10.24	10.31

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
27.0	36.70	45.10	54.90	66.10	78.90	93.30	99.60	109.50	118.50
30.0	36.30	44.70	54.50	65.70	78.50	92.90	99.10	109.00	118.00
35.0	35.70	44.10	53.80	65.00	77.70	92.00	98.30	108.00	117.00
40.0	35.10	43.40	53.00	64.10	76.80	91.10	97.30	107.00	116.00
45.0		42.60	52.20	63.20	75.70	90.00	96.20	106.00	115.00
50.0			51.30	62.10	74.60	88.70	94.90	104.50	113.50
55.0				61.00	73.30	87.40	93.50	103.50	112.00
60.0					72.00	86.00	92.10	102.00	110.50
65.0						84.70	90.80	100.50	109.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	10.1
Length/Width, mm	246/246
Height, mm	494
Net Weight, kg	40.3
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
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	63
Sound Power (HT), dBA	74
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	5.90
High Side PS gauge, bar	43
Low Side PS gauge, bar	28
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	11.8
Locked Rotor Current, A	64
Winding Resistance, ohm	2.27
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Rubber Grommet For Single
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ACCESSORIES OPTIONAL

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
TFM	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04