



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	13.55	16.75	20.40	24.60	29.40	34.80	37.20	41.00	44.30
30.0	13.05	16.15	19.75	23.80	28.50	33.80	36.10	39.80	43.10
35.0	12.20	15.20	18.65	22.50	27.00	32.10	34.30	37.90	41.00
40.0	11.40	14.25	17.45	21.20	25.40	30.30	32.40	35.80	38.80
45.0		13.25	16.30	19.75	23.80	28.30	30.30	33.50	36.40
50.0			15.05	18.30	22.00	26.30	28.20	31.20	33.90
55.0				16.80	20.20	24.10	25.90	28.70	31.20
60.0					18.30	21.90	23.50	26.00	28.30
65.0						19.40	20.80	23.10	25.20

50 Hz

ZPD122KCE-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	4.93	4.94	5.00	5.09	5.20	5.33	5.38	5.45	5.51
30.0	5.25	5.27	5.32	5.41	5.52	5.65	5.69	5.77	5.82
35.0	5.80	5.82	5.88	5.98	6.09	6.20	6.25	6.32	6.36
40.0	6.40	6.43	6.50	6.60	6.71	6.83	6.87	6.94	6.98
45.0		7.10	7.19	7.29	7.41	7.53	7.57	7.64	7.68
50.0			7.95	8.07	8.20	8.32	8.37	8.43	8.47
55.0				8.94	9.08	9.21	9.26	9.33	9.37
60.0					10.05	10.20	10.25	10.35	10.40
65.0						11.35	11.40	11.45	11.55

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	11.38	11.40	11.49	11.62	11.78	11.96	12.02	12.12	12.19
30.0	11.75	11.78	11.87	12.00	12.16	12.32	12.39	12.48	12.55
35.0	12.40	12.44	12.54	12.68	12.84	13.01	13.07	13.15	13.22
40.0	13.14	13.20	13.32	13.47	13.64	13.81	13.87	13.95	14.01
45.0		14.07	14.21	14.38	14.56	14.74	14.80	14.89	14.95
50.0			15.21	15.41	15.62	15.81	15.88	15.98	16.04
55.0				16.58	16.81	17.03	17.11	17.21	17.29
60.0					18.15	18.40	18.49	18.62	18.70
65.0						19.95	20.05	20.19	20.29

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	75.10	91.70	110.50	131.50	155.50	182.50	194.50	213.00	229.00
30.0	74.50	91.20	110.00	131.50	155.50	182.50	194.00	213.00	229.00
35.0	73.50	90.20	109.00	130.50	154.50	181.50	193.50	212.00	229.00
40.0	72.50	89.20	108.00	129.50	153.50	180.50	192.50	211.00	228.00
45.0		88.20	107.00	128.00	152.00	179.00	191.00	210.00	226.00
50.0			105.50	126.50	150.50	177.50	189.00	208.00	225.00
55.0				125.50	148.50	175.50	187.00	206.00	222.00
60.0					147.00	173.50	185.00	204.00	220.00
65.0						172.50	184.00	202.00	219.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	19.5
Length/Width, mm	269/259
Height, mm	610
Net Weight, kg	50.5
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.51
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	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	2
Max. Internal Free Volume, l	7.20
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	21.6
Locked Rotor Current, A	139
Winding Resistance, ohm	1.17
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04