



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat OEM envelope
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0			8.03	9.86	12.05	14.60								
15.0			7.63	9.40	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		

Cond °C	Power, kW													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
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													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
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													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
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 ³ /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)	
PED Category	I
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)

ACCESSORIES INCLUDED

Mounting Grommets	Rubber Grommet For Single
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ACCESSORIES OPTIONAL

Enclosure Class	IP 54
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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