



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat OEM envelope
- 10 K Suction Superheat OEM envelope
- 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	15.0	20.0	25.0
10.0	9.48	11.55	13.90	16.70								
15.0	9.02	11.00	13.35	16.05	19.15							
20.0	8.56	10.50	12.75	15.35	18.35	21.80						
25.0	8.08	9.96	12.15	14.65	17.55	20.80	22.30	24.60				
30.0	7.59	9.39	11.50	13.90	16.65	19.80	21.20	23.40	25.40	27.50		
35.0	7.08	8.81	10.80	13.10	15.75	18.75	20.10	22.20	24.10	26.10		
40.0	6.55	8.20	10.10	12.25	14.80	17.65	18.90	20.90	22.70	24.60	28.80	
45.0		7.55	9.34	11.40	13.75	16.50	17.65	19.55	21.30	23.10	27.00	31.50
50.0			8.55	10.45	12.70	15.25	16.35	18.15	19.75	21.40	25.20	29.40
55.0				9.49	11.55	13.90	14.95	16.60	18.10	19.70	23.20	27.20
60.0					10.30	12.50	13.45	15.00	16.35	17.85	21.10	24.80
65.0						10.90	11.75	13.15	14.40			

Cond °C	Power, kW											
	-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	1.89	1.90	1.92	1.98								
15.0	2.19	2.19	2.21	2.25	2.30							
20.0	2.50	2.50	2.51	2.54	2.58	2.63						
25.0	2.82	2.82	2.84	2.86	2.88	2.92	2.94	2.97				
30.0	3.17	3.18	3.19	3.20	3.22	3.25	3.27	3.29	3.31	3.33		
35.0	3.56	3.57	3.58	3.59	3.60	3.62	3.63	3.65	3.66	3.68		
40.0	3.99	4.00	4.01	4.03	4.04	4.05	4.06	4.07	4.07	4.08	4.10	
45.0		4.49	4.51	4.52	4.53	4.54	4.54	4.55	4.55	4.55	4.56	4.57
50.0			5.07	5.09	5.10	5.10	5.10	5.10	5.10	5.10	5.09	5.08
55.0				5.73	5.74	5.74	5.74	5.74	5.74	5.73	5.71	5.69
60.0					6.47	6.48	6.47	6.47	6.46	6.46	6.43	6.40
65.0						7.31	7.31	7.30	7.29			

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	15.0	20.0	25.0
10.0	4.98	5.02	5.07	5.13								
15.0	5.22	5.25	5.29	5.34	5.39							
20.0	5.51	5.53	5.56	5.60	5.65	5.70						
25.0	5.86	5.88	5.90	5.93	5.97	6.01	6.03	6.07				
30.0	6.29	6.30	6.32	6.34	6.37	6.41	6.42	6.45	6.48	6.50		
35.0	6.80	6.81	6.82	6.84	6.86	6.89	6.90	6.92	6.95	6.97		
40.0	7.41	7.41	7.42	7.43	7.45	7.47	7.48	7.50	7.52	7.54	7.58	
45.0		8.12	8.13	8.13	8.14	8.16	8.17	8.18	8.20	8.22	8.25	8.30
50.0			8.95	8.95	8.96	8.97	8.98	8.99	9.00	9.02	9.05	9.09
55.0				9.91	9.91	9.92	9.93	9.93	9.94	9.95	9.98	10.02
60.0					11.00	11.01	11.01	11.02	11.03	11.04	11.06	11.09
65.0						12.25	12.26	12.26	12.27			

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	15.0	20.0	25.0
10.0	45.70	54.90	65.60	78.00								
15.0	45.20	54.50	65.40	77.80	91.90							
20.0	44.60	54.10	65.00	77.50	91.70	107.50						
25.0	44.00	53.60	64.50	77.00	91.30	107.50	114.50	125.50				
30.0	43.30	53.00	64.00	76.50	90.80	107.00	114.00	125.00	135.00	145.50		
35.0	42.60	52.20	63.30	75.80	90.10	106.00	113.00	124.50	134.50	145.00		
40.0	41.60	51.30	62.40	74.90	89.20	105.50	112.50	123.50	133.50	144.00	167.00	
45.0		50.30	61.30	73.80	88.00	104.00	111.00	122.50	132.50	143.00	166.00	192.00
50.0			60.00	72.50	86.60	102.50	110.00	121.00	131.00	141.50	164.50	191.00
55.0				70.90	85.00	101.00	108.00	119.50	129.50	140.00	163.00	189.50
60.0					83.00	99.10	106.00	117.50	127.50	138.00	161.50	188.00
65.0						96.90	104.00	115.00	125.50			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.7
Length/Width, mm	246/246
Height, mm	455
Net Weight, kg	39.9
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.66
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	59
Sound Power (HT), dBA	70
Sound Power with Sound Shell (HT), dBA	63
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	3.90
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	15
Locked Rotor Current, A	75
Winding Resistance, ohm	2.26
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
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFE	500 V / 3~ / 50 Hz	500		Y	0.80
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09
TFE	575 V / 3~ / 60 Hz	575		Y	0.80
TF7	380 V / 3~ / 60 Hz	380		Y	1.26