



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 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	7.94	9.78	11.95	14.45								
15.0	7.56	9.34	11.45	13.85	16.65							
20.0	7.17	8.89	10.90	13.25	15.95	19.00						
25.0	6.77	8.42	10.35	12.60	15.20	18.15	19.40	21.50				
30.0	6.36	7.94	9.78	11.95	14.40	17.20	18.45	20.40	22.10	24.00		
35.0	5.94	7.44	9.19	11.25	13.60	16.25	17.45	19.30	21.00	22.70		
40.0	5.52	6.93	8.58	10.50	12.75	15.25	16.40	18.15	19.75	21.40	25.00	
45.0		6.40	7.95	9.76	11.85	14.25	15.30	16.95	18.45	20.00	23.50	27.30
50.0			7.30	8.98	10.90	13.15	14.15	15.70	17.10	18.60	21.80	25.50
55.0				8.17	9.96	12.05	12.95	14.40	15.70	17.10	20.10	23.50
60.0					8.95	10.85	11.65	13.00	14.20	15.50	18.30	21.50
65.0						9.53	10.30	11.50	12.55	13.75		

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	1.52	1.58	1.68	1.79								
15.0	1.78	1.83	1.90	1.98	2.09							
20.0	2.04	2.09	2.14	2.20	2.28	2.39						
25.0	2.32	2.37	2.41	2.46	2.52	2.60	2.64	2.70				
30.0	2.60	2.66	2.71	2.76	2.81	2.86	2.89	2.94	2.98	3.04		
35.0	2.89	2.97	3.04	3.09	3.13	3.18	3.20	3.23	3.27	3.30		
40.0	3.18	3.30	3.39	3.45	3.50	3.55	3.56	3.59	3.61	3.64	3.71	
45.0		3.64	3.76	3.85	3.92	3.96	3.98	4.01	4.03	4.05	4.10	4.17
50.0			4.16	4.28	4.37	4.43	4.46	4.48	4.50	4.52	4.57	4.62
55.0				4.74	4.87	4.96	4.98	5.02	5.05	5.07	5.11	5.15
60.0					5.40	5.53	5.57	5.62	5.65	5.68	5.73	5.77
65.0						6.15	6.20	6.27	6.32	6.36		

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	4.46	4.53	4.61	4.71								
15.0	4.72	4.77	4.84	4.91	5.00							
20.0	4.99	5.04	5.10	5.16	5.22	5.30						
25.0	5.28	5.33	5.39	5.44	5.50	5.55	5.58	5.62				
30.0	5.58	5.65	5.72	5.77	5.82	5.87	5.89	5.91	5.94	5.96		
35.0	5.91	6.00	6.09	6.15	6.21	6.25	6.27	6.29	6.30	6.32		
40.0	6.26	6.39	6.50	6.58	6.65	6.70	6.72	6.74	6.75	6.76	6.77	
45.0		6.80	6.95	7.06	7.15	7.22	7.24	7.26	7.28	7.29	7.29	7.28
50.0			7.45	7.60	7.72	7.81	7.84	7.88	7.90	7.91	7.92	7.91
55.0				8.20	8.36	8.49	8.53	8.57	8.61	8.63	8.65	8.65
60.0					9.07	9.24	9.29	9.36	9.41	9.44	9.49	9.50
65.0						10.07	10.15	10.24	10.31	10.36		

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	38.20	46.60	56.30	67.50								
15.0	37.80	46.20	56.00	67.20	80.00							
20.0	37.40	45.80	55.60	66.80	79.60	94.10						
25.0	36.90	45.30	55.10	66.30	79.10	93.60	99.80	110.00				
30.0	36.30	44.70	54.50	65.70	78.50	92.90	99.10	109.00	118.00	127.00		
35.0	35.70	44.10	53.80	65.00	77.70	92.00	98.30	108.00	117.00	126.50		
40.0	35.10	43.40	53.00	64.10	76.80	91.10	97.30	107.00	116.00	125.00	145.50	
45.0		42.60	52.20	63.20	75.70	90.00	96.20	106.00	115.00	124.00	144.00	166.50
50.0			51.30	62.10	74.60	88.70	94.90	104.50	113.50	122.50	143.00	165.50
55.0				61.00	73.30	87.40	93.50	103.50	112.00	121.50	141.50	164.00
60.0					72.00	86.00	92.10	102.00	110.50	120.00	140.00	163.00
65.0						84.70	90.80	100.50	109.50	118.50		

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	I
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

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