



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	9.35	11.45	13.85	16.70								
15.0	8.92	10.95	13.30	16.05	19.20							
20.0	8.48	10.40	12.70	15.35	18.40	21.80						
25.0	8.03	9.89	12.05	14.60	17.55	20.80	22.30	24.60				
30.0	7.57	9.34	11.45	13.85	16.65	19.80	21.20	23.40	25.40	27.40		
35.0	7.09	8.78	10.75	13.05	15.70	18.75	20.10	22.20	24.00	26.00		
40.0	6.61	8.20	10.05	12.25	14.75	17.60	18.85	20.90	22.60	24.50	28.60	
45.0		7.61	9.35	11.40	13.75	16.45	17.60	19.50	21.20	23.00	26.90	31.20
50.0			8.61	10.50	12.70	15.20	16.35	18.10	19.70	21.40	25.00	29.10
55.0				9.59	11.60	13.95	15.00	16.60	18.10	19.65	23.10	26.90
60.0					10.45	12.60	13.55	15.05	16.40	17.85	21.00	24.60
65.0						11.10	11.95	13.30	14.55	15.85		

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	1.86	1.94	2.03	2.16								
15.0	2.15	2.21	2.28	2.38	2.51							
20.0	2.45	2.51	2.57	2.64	2.73	2.85						
25.0	2.76	2.82	2.88	2.93	3.00	3.09	3.13	3.21				
30.0	3.09	3.16	3.22	3.27	3.32	3.39	3.42	3.47	3.53	3.59		
35.0	3.42	3.52	3.59	3.65	3.70	3.75	3.77	3.81	3.85	3.89		
40.0	3.75	3.89	3.99	4.06	4.12	4.17	4.19	4.22	4.24	4.28	4.35	
45.0		4.28	4.41	4.51	4.59	4.64	4.66	4.69	4.71	4.74	4.80	4.87
50.0			4.87	5.00	5.10	5.18	5.20	5.23	5.26	5.28	5.33	5.38
55.0				5.53	5.67	5.77	5.80	5.85	5.88	5.90	5.95	5.99
60.0					6.28	6.42	6.47	6.52	6.57	6.60	6.66	6.70
65.0						7.13	7.19	7.27	7.33	7.38		

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	4.77	4.85	4.95	5.07								
15.0	5.09	5.15	5.23	5.33	5.44							
20.0	5.43	5.49	5.56	5.63	5.72	5.81						
25.0	5.78	5.86	5.92	5.99	6.06	6.13	6.16	6.21				
30.0	6.16	6.26	6.34	6.41	6.47	6.53	6.55	6.58	6.61	6.64		
35.0	6.57	6.69	6.80	6.88	6.95	7.00	7.02	7.05	7.06	7.08		
40.0	7.01	7.17	7.31	7.42	7.50	7.56	7.58	7.61	7.62	7.63	7.65	
45.0		7.69	7.87	8.02	8.13	8.21	8.24	8.27	8.29	8.30	8.31	8.29
50.0			8.50	8.69	8.84	8.96	8.99	9.03	9.06	9.08	9.09	9.07
55.0				9.44	9.64	9.80	9.84	9.91	9.94	9.97	10.00	10.00
60.0					10.53	10.73	10.80	10.89	10.95	10.99	11.05	11.06
65.0						11.78	11.87	11.99	12.07	12.14		

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	45.00	54.40	65.40	78.00								
15.0	44.70	54.10	65.10	77.80	92.20							
20.0	44.20	53.70	64.70	77.40	91.80	108.00						
25.0	43.70	53.20	64.20	76.90	91.30	107.50	114.50	126.00				
30.0	43.20	52.70	63.70	76.30	90.60	107.00	114.00	125.00	135.00	145.50		
35.0	42.60	52.10	63.00	75.50	89.80	106.00	113.00	124.00	134.00	144.50		
40.0	42.00	51.40	62.20	74.70	88.90	105.00	112.00	123.00	133.00	143.50	166.50	
45.0		50.60	61.40	73.70	87.90	104.00	111.00	122.00	132.00	142.50	165.00	190.50
50.0			60.50	72.70	86.70	102.50	109.50	120.50	130.50	141.00	163.50	189.00
55.0				71.60	85.50	101.50	108.00	119.00	129.00	139.50	162.00	187.50
60.0					84.20	99.90	107.00	118.00	127.50	138.00	161.00	186.50
65.0						98.70	105.50	116.50	126.50	137.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.7
Length/Width, mm	246/246
Height, mm	494
Net Weight, kg	40.9
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	67
Sound Power (HT), dBA	78
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	15
Locked Rotor Current, A	75
Winding Resistance, ohm	2.27
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets

Rubber Grommet For Single

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