



Minimum Evaporating Temp. With:

- 10 K Suction Superheat    — 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	2.74	3.44	4.30									
20.0	2.66	3.35	4.19	5.19								
25.0	2.53	3.19	3.99	4.95	6.09	7.44						
30.0	2.39	3.02	3.78	4.70	5.78	7.06	8.56	9.22				
35.0	2.26	2.86	3.58	4.44	5.46	6.67	8.09	8.72	9.73	10.65		
40.0	2.12	2.68	3.36	4.17	5.13	6.27	7.61	8.20	9.16	10.05	10.95	13.00
45.0	1.98	2.51	3.14	3.90	4.80	5.86	7.12	7.67	8.58	9.39	10.25	12.20
50.0	1.82	2.32	2.91	3.61	4.45	5.44	6.61	7.13	7.98	8.74	9.57	11.40
55.0		2.13	2.67	3.32	4.09	5.01	6.09	6.58	7.36	8.08	8.85	
60.0			2.42	3.01	3.71	4.56	5.55	6.00	6.73	7.39		
65.0				2.69	3.33	4.09	5.00	5.41	6.08			
67.0				2.56	3.17	3.90	4.78	5.17	5.82			

Cond °C	Power, kW											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	0.98	1.03	1.10									
20.0	1.03	1.09	1.15	1.21								
25.0	1.14	1.18	1.24	1.28	1.34	1.40						
30.0	1.26	1.30	1.34	1.38	1.43	1.49	1.55	1.58				
35.0	1.38	1.42	1.45	1.50	1.54	1.60	1.65	1.68	1.72	1.74		
40.0	1.52	1.55	1.58	1.62	1.68	1.72	1.78	1.80	1.84	1.88	1.92	1.98
45.0	1.66	1.70	1.73	1.78	1.82	1.88	1.94	1.97	2.01	2.05	2.08	2.16
50.0	1.81	1.85	1.90	1.94	2.00	2.07	2.13	2.16	2.21	2.25	2.29	2.37
55.0		2.02	2.07	2.13	2.20	2.27	2.35	2.38	2.44	2.48	2.52	
60.0			2.27	2.34	2.42	2.51	2.60	2.64	2.70	2.75		
65.0				2.56	2.66	2.76	2.87	2.92	2.99			
67.0				2.66	2.76	2.87	2.99	3.04	3.11			

Cond °C	Current at 400 V, A											
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0
17.0	2.22	2.29	2.36									
20.0	2.29	2.35	2.41	2.49								
25.0	2.41	2.46	2.51	2.57	2.64	2.71						
30.0	2.54	2.58	2.63	2.68	2.74	2.81	2.88	2.91				
35.0	2.69	2.72	2.77	2.82	2.87	2.94	3.01	3.04	3.09	3.13		
40.0	2.85	2.88	2.93	2.98	3.04	3.10	3.18	3.21	3.26	3.30	3.35	3.44
45.0	3.02	3.06	3.11	3.17	3.23	3.31	3.39	3.42	3.47	3.52	3.57	3.67
50.0	3.21	3.26	3.32	3.39	3.46	3.54	3.64	3.67	3.73	3.79	3.84	3.96
55.0		3.48	3.55	3.64	3.72	3.82	3.93	3.97	4.04	4.10	4.16	
60.0			3.81	3.91	4.02	4.14	4.26	4.32	4.40	4.47		
65.0				4.22	4.35	4.49	4.64	4.71	4.80			
67.0				4.36	4.50	4.65	4.81	4.88	4.98			

Cond °C	Suction Mass Flow, g/s												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	
17.0	16.15	19.90	24.50										
20.0	16.10	19.90	24.40	29.70									
25.0	16.05	19.80	24.30	29.60	35.80	42.90							
30.0	15.95	19.75	24.20	29.50	35.60	42.60	50.70	54.30					
35.0	15.90	19.70	24.10	29.30	35.30	42.30	50.30	53.80	59.50	64.50			
40.0	15.85	19.60	24.00	29.10	35.00	41.90	49.90	53.30	58.90	63.90	69.20	80.70	
45.0	15.75	19.50	23.80	28.90	34.70	41.50	49.30	52.80	58.30	63.20	68.50	79.90	
50.0	15.60	19.35	23.60	28.60	34.30	41.00	48.70	52.10	57.60	62.50	67.70	79.10	
55.0		19.15	23.40	28.20	33.90	40.50	48.10	51.40	56.80	61.70	66.80		
60.0			23.10	27.90	33.40	39.90	47.40	50.70	56.00	60.80			
65.0				27.40	32.90	39.20	46.60	49.90	55.20				
67.0				27.20	32.60	38.90	46.30	49.60	54.80				

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	8.00
Length/Width, mm	253/248
Height, mm	387
Net Weight, kg	27.7
Gross Weight, kg	30.5
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.45
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	61
Sound Power (HT), dBA	72
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	II
Max. Low Side Internal Free Volume, l	4.2
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	4.70
High Side PS gauge, bar	38
Low Side PS gauge, bar	23.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	148
Refrigerant's classification	A2L

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

Maximum Operating Current, A	6.2
Locked Rotor Current, A	32
Winding Resistance, ohm	5.48
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED****ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

**MOTOR OPTIONS**

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