



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat
- 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	3.59	4.50	5.61									
20.0	3.48	4.38	5.48	6.79								
25.0	3.30	4.17	5.23	6.50	8.00	9.76						
30.0	3.10	3.95	4.97	6.19	7.64	9.33	11.30	12.15				
35.0	2.89	3.71	4.70	5.87	7.25	8.87	10.75	11.60	12.95	14.15	15.40	
40.0	2.68	3.46	4.40	5.52	6.84	8.39	10.20	11.00	12.25	13.40	14.65	17.35
45.0	2.46	3.20	4.09	5.15	6.40	7.87	9.59	10.35	11.55	12.65	13.85	16.45
50.0		2.94	3.77	4.77	5.95	7.34	8.96	9.68	10.85	11.90	13.00	15.50
55.0			3.44	4.37	5.48	6.78	8.31	8.98	10.10	11.05	12.15	14.50
60.0				3.96	4.99	6.20	7.62	8.26	9.29	10.20	11.20	13.45
65.0					4.48	5.60	6.92	7.51	8.47	9.34	10.25	
67.0						5.35	6.63	7.20	8.13	8.97	9.88	

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	1.24	1.28	1.31									
20.0	1.32	1.36	1.40	1.44								
25.0	1.47	1.50	1.54	1.58	1.64	1.70						
30.0	1.62	1.66	1.70	1.74	1.80	1.86	1.93	1.96				
35.0	1.78	1.82	1.88	1.92	1.98	2.04	2.11	2.14	2.19	2.24	2.29	
40.0	1.95	2.01	2.06	2.12	2.17	2.24	2.31	2.34	2.40	2.44	2.49	2.61
45.0	2.13	2.20	2.27	2.33	2.39	2.46	2.54	2.57	2.63	2.68	2.73	2.84
50.0		2.42	2.49	2.56	2.64	2.72	2.80	2.83	2.89	2.94	3.00	3.11
55.0			2.74	2.83	2.91	3.00	3.09	3.13	3.19	3.24	3.30	3.42
60.0				3.12	3.21	3.31	3.41	3.46	3.52	3.58	3.64	3.77
65.0					3.55	3.66	3.78	3.82	3.89	3.96	4.02	
67.0						3.81	3.93	3.98	4.05	4.12	4.18	

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	3.07	3.10	3.13									
20.0	3.15	3.18	3.22	3.26								
25.0	3.30	3.33	3.37	3.42	3.47	3.53						
30.0	3.45	3.50	3.54	3.59	3.64	3.71	3.79	3.83				
35.0	3.62	3.68	3.73	3.78	3.84	3.91	4.00	4.04	4.10	4.15	4.22	
40.0	3.81	3.88	3.94	4.01	4.07	4.15	4.24	4.28	4.34	4.40	4.47	4.61
45.0	4.03	4.11	4.19	4.26	4.34	4.43	4.52	4.57	4.64	4.70	4.76	4.91
50.0		4.37	4.46	4.55	4.65	4.75	4.85	4.90	4.97	5.04	5.11	5.27
55.0			4.78	4.89	5.00	5.11	5.24	5.29	5.37	5.44	5.51	5.68
60.0				5.27	5.40	5.53	5.67	5.73	5.82	5.90	5.98	6.16
65.0					5.86	6.01	6.17	6.23	6.33	6.42	6.51	
67.0						6.22	6.39	6.45	6.56	6.65	6.74	

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	19.10	23.60	29.00										
20.0	19.00	23.50	28.90	35.30									
25.0	18.75	23.40	28.80	35.20	42.70	51.40							
30.0	18.45	23.10	28.60	35.10	42.60	51.20	61.10	65.50					
35.0	18.05	22.80	28.30	34.80	42.30	50.90	60.80	65.20	72.10	78.30	84.80		
40.0	17.60	22.40	27.90	34.40	41.90	50.50	60.40	64.70	71.70	77.80	84.40	98.70	
45.0	17.10	21.90	27.40	33.80	41.30	49.90	59.80	64.10	71.10	77.20	83.80	98.10	
50.0		21.30	26.80	33.20	40.60	49.20	59.10	63.40	70.30	76.50	83.00	97.40	
55.0			26.10	32.50	39.80	48.40	58.20	62.50	69.40	75.60	82.10	96.50	
60.0				31.60	38.90	47.40	57.10	61.40	68.30	74.50	81.00	95.50	
65.0					37.80	46.20	55.90	60.20	67.10	73.30	79.90		
67.0						45.70	55.40	59.70	66.60	72.80	79.40		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	9.95
Length/Width, mm	253/248
Height, mm	401
Net Weight, kg	28.7
Gross Weight, kg	31.6
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	64
Sound Power (HT), dBA	75
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
Max. Low Side Internal Free Volume, l	4.3
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	4.80
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	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	7.7
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
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

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