



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	2.72	3.45	4.36										
20.0	2.65	3.36	4.24	5.32									
25.0	2.51	3.20	4.04	5.07	6.31	7.78							
30.0	2.38	3.04	3.84	4.82	6.00	7.40	9.05	9.78					
35.0	2.25	2.87	3.64	4.57	5.69	7.01	8.58	9.27	10.40	11.40	12.50		
40.0	2.11	2.71	3.43	4.31	5.36	6.62	8.10	8.76	9.83	10.80	11.85	14.15	
45.0	1.97	2.54	3.22	4.05	5.04	6.22	7.61	8.23	9.24	10.15	11.15	13.30	
50.0		2.36	3.00	3.78	4.70	5.81	7.11	7.70	8.65	9.51	10.45	12.50	
55.0			2.78	3.50	4.36	5.39	6.60	7.15	8.04	8.85	9.72	11.65	
60.0				3.21	4.01	4.96	6.09	6.59	7.42	8.17	8.99	10.80	
65.0					3.64	4.51	5.56	6.02	6.79	7.49	8.24		
67.0						4.34	5.34	5.79	6.53	7.21	7.94		

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	1.01	1.04									
20.0	1.05	1.08	1.10	1.15								
25.0	1.17	1.20	1.23	1.26	1.31	1.38						
30.0	1.29	1.32	1.35	1.39	1.44	1.50	1.58	1.62				
35.0	1.42	1.46	1.49	1.53	1.58	1.63	1.70	1.74	1.80	1.86	1.92	
40.0	1.56	1.60	1.64	1.68	1.73	1.79	1.86	1.89	1.94	2.00	2.06	2.20
45.0	1.70	1.76	1.82	1.86	1.91	1.97	2.04	2.07	2.12	2.17	2.23	2.36
50.0		1.94	2.00	2.06	2.11	2.18	2.25	2.28	2.33	2.38	2.43	2.55
55.0			2.21	2.28	2.34	2.41	2.48	2.52	2.57	2.62	2.67	2.79
60.0				2.52	2.60	2.67	2.75	2.79	2.84	2.89	2.94	3.06
65.0					2.88	2.97	3.06	3.10	3.15	3.21	3.26	
67.0						3.10	3.19	3.23	3.29	3.34	3.40	

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	2.23	2.26	2.29									
20.0	2.31	2.33	2.37	2.41								
25.0	2.44	2.47	2.50	2.54	2.60	2.68						
30.0	2.58	2.61	2.65	2.69	2.75	2.82	2.92	2.97				
35.0	2.73	2.77	2.82	2.86	2.91	2.98	3.08	3.12	3.20	3.27	3.35	
40.0	2.89	2.95	3.00	3.05	3.11	3.18	3.27	3.31	3.39	3.45	3.53	3.71
45.0	3.07	3.15	3.21	3.28	3.34	3.42	3.51	3.55	3.62	3.68	3.76	3.93
50.0		3.37	3.46	3.53	3.61	3.69	3.78	3.82	3.89	3.96	4.03	4.20
55.0			3.73	3.82	3.91	4.00	4.11	4.15	4.22	4.29	4.36	4.53
60.0				4.16	4.26	4.37	4.48	4.53	4.61	4.67	4.75	4.92
65.0					4.66	4.78	4.91	4.96	5.05	5.12	5.20	
67.0						4.96	5.10	5.15	5.24	5.32	5.40	

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	14.50	18.10	22.50									
20.0	14.40	18.00	22.40	27.70								
25.0	14.30	17.90	22.30	27.50	33.70	41.00						
30.0	14.15	17.75	22.10	27.30	33.40	40.60	49.00	52.60				
35.0	14.00	17.65	21.90	27.10	33.20	40.30	48.50	52.10	58.00	63.20	68.80	
40.0	13.90	17.50	21.80	26.80	32.80	39.90	48.00	51.60	57.40	62.60	68.10	80.30
45.0	13.70	17.30	21.60	26.60	32.50	39.40	47.50	51.00	56.80	61.90	67.40	79.40
50.0		17.15	21.30	26.30	32.10	38.90	46.90	50.40	56.10	61.20	66.60	78.60
55.0			21.10	26.00	31.70	38.40	46.30	49.70	55.30	60.40	65.80	77.70
60.0				25.60	31.30	37.90	45.60	49.00	54.60	59.60	64.90	76.80
65.0					30.80	37.30	44.90	48.30	53.80	58.80	64.10	
67.0						37.10	44.70	48.00	53.50	58.50	63.80	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /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)	
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	1774
Refrigerant's classification	A1

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

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