



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	5.91	7.49	9.37										
20.0	5.73	7.27	9.12	11.30									
25.0	5.41	6.91	8.70	10.80	13.30	16.20							
30.0	5.09	6.54	8.26	10.30	12.70	15.50	18.75	20.20					
35.0	4.77	6.16	7.80	9.75	12.05	14.75	17.85	19.25	21.50	23.50	25.60		
40.0	4.43	5.76	7.34	9.20	11.40	13.95	16.95	18.30	20.40	22.30	24.40	28.90	
45.0	4.09	5.36	6.86	8.63	10.75	13.20	16.05	17.30	19.35	21.20	23.10	27.50	
50.0		4.95	6.37	8.05	10.05	12.35	15.10	16.30	18.25	20.00	21.90	26.00	
55.0			5.87	7.45	9.32	11.55	14.10	15.25	17.10	18.80	20.60	24.50	
60.0				6.83	8.59	10.65	13.10	14.20	15.95	17.55	19.25	23.00	
65.0					7.84	9.78	12.05	13.10	14.75	16.25	17.85		
67.0						9.42	11.65	12.65	14.25	15.70	17.30		

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	2.02	2.09	2.15									
20.0	2.14	2.21	2.29	2.36								
25.0	2.35	2.44	2.52	2.60	2.68	2.78						
30.0	2.56	2.67	2.77	2.86	2.95	3.05	3.16	3.21				
35.0	2.78	2.93	3.04	3.15	3.25	3.35	3.46	3.51	3.59	3.66	3.74	
40.0	3.02	3.19	3.34	3.46	3.58	3.69	3.80	3.85	3.93	4.00	4.08	4.26
45.0	3.25	3.47	3.65	3.80	3.94	4.06	4.19	4.24	4.32	4.39	4.47	4.64
50.0		3.76	3.98	4.16	4.33	4.47	4.62	4.67	4.76	4.83	4.91	5.08
55.0			4.32	4.55	4.75	4.92	5.09	5.15	5.25	5.33	5.41	5.58
60.0				4.96	5.20	5.41	5.60	5.67	5.78	5.87	5.96	6.14
65.0					5.68	5.93	6.16	6.24	6.36	6.46	6.56	
67.0						6.15	6.39	6.48	6.61	6.72	6.82	

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	5.72	5.77	5.82									
20.0	5.82	5.87	5.93	5.99								
25.0	5.98	6.06	6.13	6.20	6.27	6.37						
30.0	6.17	6.27	6.36	6.44	6.53	6.62	6.74	6.79				
35.0	6.37	6.51	6.62	6.73	6.83	6.93	7.05	7.10	7.19	7.28	7.37	
40.0	6.59	6.77	6.92	7.06	7.18	7.30	7.43	7.49	7.58	7.66	7.75	7.95
45.0	6.83	7.06	7.26	7.43	7.58	7.73	7.88	7.94	8.03	8.12	8.21	8.42
50.0		7.38	7.63	7.85	8.04	8.22	8.39	8.46	8.57	8.66	8.76	8.97
55.0			8.05	8.31	8.55	8.77	8.98	9.06	9.18	9.29	9.39	9.62
60.0				8.83	9.12	9.39	9.64	9.73	9.88	10.00	10.12	10.36
65.0					9.75	10.08	10.37	10.49	10.65	10.79	10.93	
67.0						10.37	10.69	10.81	10.99	11.13	11.28	

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	31.50	39.20	48.40									
20.0	31.20	39.00	48.20	58.90								
25.0	30.80	38.70	47.90	58.60	71.10	85.40						
30.0	30.30	38.20	47.50	58.20	70.70	85.00	101.50	108.50				
35.0	29.80	37.80	47.00	57.80	70.30	84.60	101.00	108.00	119.50	130.00	140.50	
40.0	29.20	37.20	46.50	57.30	69.80	84.10	100.50	108.00	119.50	129.50	140.50	164.00
45.0	28.50	36.60	45.90	56.70	69.20	83.60	100.00	107.50	119.00	129.00	140.00	164.00
50.0		35.90	45.20	56.10	68.60	83.00	99.50	106.50	118.50	128.50	139.50	163.50
55.0			44.50	55.30	67.80	82.30	98.80	106.00	118.00	128.00	139.50	163.50
60.0				54.50	67.10	81.50	98.20	105.50	117.50	128.00	139.00	163.50
65.0					66.20	80.80	97.60	105.00	117.00	127.50	139.00	
67.0						80.50	97.40	105.00	117.00	127.50	139.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	16.7
Length/Width, mm	255/261
Height, mm	442
Net Weight, kg	39.1
Gross Weight, kg	41.6
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 (19)
Sound Pressure @ 1m (MT), dBA	65
Sound Power (MT), dBA	76
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Max. Low Side Internal Free Volume, l	6.4
Max. High Side Internal Free Volume, l	0.6
Max. Internal Free Volume, l	7.00
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	12.9
Locked Rotor Current, A	74
Winding Resistance, ohm	2.47
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