



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	4.98	6.28	7.85									
20.0	4.82	6.10	7.65	9.50								
25.0	4.56	5.80	7.30	9.09	11.20	13.70						
30.0	4.29	5.49	6.94	8.67	10.70	13.10	15.85	17.10				
35.0	4.02	5.18	6.57	8.22	10.20	12.45	15.15	16.30	18.20	19.90	21.70	
40.0	3.74	4.85	6.18	7.76	9.63	11.80	14.35	15.50	17.30	18.95	20.70	24.50
45.0	3.47	4.52	5.78	7.28	9.06	11.15	13.55	14.65	16.40	17.95	19.60	23.30
50.0		4.19	5.38	6.79	8.47	10.45	12.75	13.75	15.40	16.90	18.50	22.00
55.0			4.96	6.29	7.86	9.72	11.90	12.85	14.45	15.85	17.35	20.70
60.0				5.77	7.23	8.97	11.00	11.95	13.40	14.75	16.15	19.35
65.0					6.58	8.20	10.10	10.95	12.35	13.60	14.95	
67.0						7.88	9.73	10.55	11.90	13.10	14.40	

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	1.66	1.72	1.80									
20.0	1.77	1.84	1.91	1.99								
25.0	1.96	2.05	2.12	2.20	2.29	2.41						
30.0	2.16	2.26	2.35	2.43	2.51	2.62	2.75	2.82				
35.0	2.37	2.50	2.60	2.68	2.77	2.86	2.98	3.04	3.14	3.23	3.34	
40.0	2.59	2.74	2.86	2.96	3.05	3.15	3.26	3.31	3.39	3.47	3.57	3.80
45.0	2.81	3.00	3.15	3.27	3.37	3.47	3.57	3.62	3.70	3.77	3.85	4.05
50.0		3.27	3.45	3.60	3.72	3.82	3.93	3.97	4.05	4.11	4.19	4.37
55.0			3.77	3.95	4.09	4.21	4.33	4.37	4.44	4.51	4.58	4.74
60.0				4.32	4.49	4.64	4.77	4.81	4.89	4.95	5.02	5.17
65.0					4.93	5.10	5.24	5.30	5.38	5.44	5.51	
67.0						5.29	5.44	5.50	5.59	5.65	5.72	

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	5.43	5.47	5.52									
20.0	5.52	5.57	5.62	5.67								
25.0	5.67	5.73	5.78	5.84	5.91	6.01						
30.0	5.82	5.90	5.96	6.02	6.09	6.18	6.31	6.37				
35.0	5.98	6.09	6.17	6.24	6.31	6.40	6.51	6.57	6.66	6.76	6.87	
40.0	6.15	6.29	6.40	6.49	6.58	6.66	6.77	6.82	6.91	7.00	7.10	7.34
45.0	6.34	6.53	6.67	6.79	6.89	6.99	7.10	7.15	7.23	7.31	7.40	7.62
50.0		6.79	6.98	7.13	7.25	7.37	7.49	7.54	7.62	7.70	7.79	8.00
55.0			7.32	7.51	7.67	7.81	7.95	8.01	8.10	8.17	8.26	8.46
60.0				7.95	8.16	8.33	8.49	8.55	8.65	8.74	8.83	9.03
65.0					8.70	8.92	9.11	9.18	9.30	9.39	9.49	
67.0						9.17	9.38	9.46	9.58	9.68	9.78	

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	26.50	32.90	40.50									
20.0	26.30	32.70	40.40	49.50								
25.0	25.90	32.50	40.20	49.30	59.90	72.10						
30.0	25.50	32.10	39.90	49.00	59.60	71.90	85.80	91.90				
35.0	25.10	31.70	39.60	48.70	59.30	71.60	85.60	91.70	101.50	110.00	119.50	
40.0	24.60	31.30	39.20	48.30	58.90	71.20	85.20	91.30	101.00	110.00	119.00	139.00
45.0	24.20	30.90	38.70	47.80	58.40	70.70	84.70	90.80	100.50	109.50	118.50	139.00
50.0		30.40	38.20	47.30	57.90	70.10	84.10	90.20	100.00	109.00	118.00	138.50
55.0			37.60	46.70	57.20	69.40	83.40	89.50	99.30	108.00	117.50	138.00
60.0				46.00	56.50	68.60	82.60	88.70	98.60	107.50	117.00	137.50
65.0					55.60	67.70	81.70	87.90	97.80	106.50	116.00	
67.0						67.40	81.40	87.50	97.50	106.50	116.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	14.3
Length/Width, mm	255/261
Height, mm	442
Net Weight, kg	37.5
Gross Weight, kg	41.2
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	11.3
Locked Rotor Current, A	64
Winding Resistance, ohm	2.74
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