



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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	2.34	2.93	3.65	4.51	5.54					
20.0	2.27	2.84	3.54	4.38	5.38					
25.0	2.14	2.69	3.36	4.17	5.12	6.24	6.74			
30.0	2.02	2.54	3.18	3.94	4.85	5.92	6.39	7.16	7.85	8.59
35.0	1.89	2.39	2.99	3.71	4.58	5.59	6.04	6.77	7.43	8.14
40.0	1.76	2.23	2.80	3.48	4.29	5.25	5.68	6.37	6.99	7.67
45.0		2.07	2.60	3.24	4.00	4.90	5.31	5.96	6.55	7.18
50.0		1.92	2.41	3.00	3.71	4.55	4.93	5.54	6.09	6.69
55.0			2.20	2.75	3.40	4.19	4.54	5.11	5.63	6.19
60.0				2.49	3.09	3.81	4.14	4.67	5.15	5.67
65.0				2.23	2.78	3.44	3.73	4.22	4.67	5.15
70.0					2.46	3.05	3.32	3.76	4.17	4.61
75.0					2.13	2.65	2.89	3.29	3.66	4.06

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	0.78	0.83	0.88	0.93	0.98					
20.0	0.80	0.86	0.90	0.95	1.01					
25.0	0.86	0.91	0.96	1.00	1.05	1.10	1.12			
30.0	0.92	0.97	1.02	1.06	1.11	1.16	1.18	1.20	1.23	1.25
35.0	1.00	1.04	1.09	1.14	1.18	1.23	1.25	1.28	1.30	1.32
40.0	1.08	1.12	1.18	1.23	1.28	1.32	1.34	1.37	1.40	1.42
45.0		1.22	1.27	1.32	1.38	1.43	1.45	1.48	1.50	1.54
50.0		1.32	1.38	1.44	1.50	1.55	1.58	1.61	1.64	1.66
55.0			1.50	1.56	1.63	1.69	1.72	1.76	1.78	1.82
60.0				1.70	1.78	1.84	1.88	1.92	1.96	1.99
65.0				1.86	1.94	2.02	2.05	2.10	2.14	2.18
70.0					2.12	2.21	2.24	2.30	2.34	2.39
75.0					2.31	2.41	2.45	2.52	2.57	2.62

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	2.01	2.06	2.12	2.17	2.23					
20.0	2.04	2.09	2.15	2.20	2.25					
25.0	2.10	2.15	2.20	2.25	2.30	2.36	2.38			
30.0	2.17	2.22	2.27	2.32	2.37	2.42	2.44	2.47	2.50	2.53
35.0	2.25	2.30	2.35	2.40	2.45	2.51	2.53	2.56	2.59	2.62
40.0	2.33	2.39	2.44	2.50	2.56	2.61	2.63	2.67	2.70	2.73
45.0		2.49	2.55	2.61	2.68	2.74	2.76	2.80	2.83	2.87
50.0		2.61	2.68	2.75	2.82	2.89	2.92	2.96	3.00	3.03
55.0			2.83	2.90	2.98	3.06	3.09	3.14	3.18	3.22
60.0				3.08	3.17	3.26	3.30	3.35	3.40	3.44
65.0				3.27	3.38	3.48	3.52	3.59	3.64	3.70
70.0					3.61	3.73	3.78	3.85	3.92	3.98
75.0					3.87	4.01	4.07	4.15	4.22	4.29

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	17.20	21.00	25.50	30.80	36.90					
20.0	17.15	21.00	25.50	30.80	36.90					
25.0	17.15	20.90	25.40	30.70	36.80	43.80	46.80			
30.0	17.10	20.90	25.40	30.70	36.70	43.70	46.70	51.60	55.90	60.40
35.0	17.05	20.90	25.40	30.60	36.60	43.50	46.60	51.40	55.70	60.20
40.0	17.05	20.80	25.30	30.50	36.50	43.30	46.40	51.10	55.40	59.90
45.0		20.80	25.20	30.40	36.30	43.10	46.10	50.90	55.10	59.60
50.0		20.80	25.10	30.20	36.10	42.80	45.80	50.50	54.80	59.30
55.0			25.00	30.00	35.80	42.50	45.50	50.20	54.40	58.80
60.0				29.80	35.60	42.20	45.10	49.70	53.90	58.30
65.0				29.60	35.20	41.70	44.60	49.20	53.40	57.80
70.0					34.90	41.30	44.10	48.70	52.80	57.20
75.0					34.60	40.90	43.70	48.20	52.30	56.70

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)	
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	4
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

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