



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	8.20	10.50	13.25	16.60	20.60	25.20					
25.0	7.75	9.97	12.65	15.90	19.75	24.30					
30.0	7.28	9.44	12.05	15.20	18.90	23.30	28.30	30.60			
35.0	6.81	8.90	11.40	14.45	18.00	22.20	27.10	29.30	32.80		
40.0	6.33	8.35	10.75	13.65	17.10	21.10	25.90	27.90	31.30	34.30	37.60
45.0	5.85	7.78	10.10	12.85	16.15	20.00	24.60	26.60	29.80	32.70	35.80
50.0	5.37	7.21	9.42	12.05	15.20	18.90	23.20	25.20	28.30	31.10	34.10
55.0	4.88	6.63	8.73	11.25	14.20	17.75	21.90	23.70	26.70	29.40	32.30
60.0		6.05	8.03	10.40	13.25	16.60	20.50	22.30	25.10	27.70	30.40
65.0			7.33	9.55	12.20	15.40	19.10	20.80	23.50	25.90	28.60
70.0				8.70	11.20	14.20	17.70	19.30	21.90	24.20	26.70
75.0				7.84	10.15	12.95	16.30	17.80	20.20	22.40	24.80

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	3.33	3.40	3.48	3.57	3.65	3.72					
25.0	3.69	3.80	3.93	4.05	4.16	4.27					
30.0	4.03	4.18	4.33	4.49	4.64	4.78	4.89	4.93			
35.0	4.36	4.54	4.73	4.92	5.10	5.26	5.41	5.46	5.52		
40.0	4.70	4.91	5.13	5.35	5.56	5.75	5.92	5.98	6.06	6.12	6.17
45.0	5.07	5.32	5.56	5.81	6.04	6.26	6.45	6.52	6.61	6.68	6.73
50.0	5.49	5.77	6.04	6.31	6.56	6.80	7.01	7.09	7.19	7.27	7.33
55.0	5.99	6.29	6.58	6.87	7.15	7.40	7.63	7.71	7.83	7.91	7.98
60.0		6.89	7.21	7.52	7.81	8.08	8.33	8.41	8.53	8.62	8.70
65.0			7.94	8.27	8.57	8.86	9.11	9.21	9.33	9.43	9.51
70.0				9.14	9.46	9.75	10.00	10.10	10.25	10.35	10.45
75.0				10.15	10.50	10.80	11.05	11.15	11.30	11.40	11.45

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	8.57	8.66	8.77	8.89	8.99	9.09					
25.0	9.05	9.20	9.36	9.52	9.67	9.81					
30.0	9.49	9.69	9.90	10.11	10.31	10.49	10.64	10.70			
35.0	9.93	10.18	10.43	10.68	10.92	11.13	11.33	11.39	11.48		
40.0	10.38	10.67	10.96	11.25	11.53	11.78	12.01	12.09	12.19	12.27	12.33
45.0	10.88	11.20	11.53	11.86	12.17	12.45	12.71	12.80	12.92	13.01	13.09
50.0	11.44	11.80	12.17	12.52	12.86	13.18	13.46	13.56	13.69	13.80	13.88
55.0	12.10	12.49	12.89	13.27	13.64	13.98	14.28	14.39	14.54	14.65	14.75
60.0		13.30	13.72	14.13	14.52	14.88	15.20	15.32	15.48	15.60	15.70
65.0			14.69	15.12	15.53	15.91	16.25	16.37	16.54	16.67	16.78
70.0				16.28	16.70	17.10	17.45	17.58	17.75	17.88	18.00
75.0				17.62	18.06	18.46	18.83	18.96	19.14	19.27	19.38

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	46.60	58.50	72.60	89.30	109.00	131.00					
25.0	45.80	57.90	72.10	88.90	108.50	131.00					
30.0	45.00	57.20	71.50	88.40	108.00	130.50	156.00	167.50			
35.0	44.00	56.30	70.80	87.70	107.50	130.00	155.50	167.00	184.50		
40.0	43.00	55.40	69.90	86.90	106.50	129.00	155.00	166.00	184.00	200.00	217.00
45.0	41.80	54.30	68.90	85.90	105.50	128.00	154.00	165.00	183.00	199.00	216.00
50.0	40.50	53.10	67.70	84.70	104.50	127.00	153.00	164.00	182.00	198.00	215.00
55.0	39.10	51.80	66.40	83.40	103.00	125.50	151.50	163.00	181.00	197.00	214.00
60.0		50.30	64.90	81.90	101.50	124.00	150.00	161.50	179.50	196.00	213.00
65.0			63.30	80.30	99.90	122.50	148.50	160.00	178.00	194.50	212.00
70.0				78.50	98.10	121.00	147.00	158.50	176.50	193.00	211.00
75.0				76.50	96.10	119.00	145.00	156.50	175.50	192.00	210.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	35.4
Length/Width, mm	284/289
Height, mm	551
Net Weight, kg	68.2
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.58
Oil type (original charge)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	68
Sound Power (HT), dBA	79
Sound Power with Sound Shell (HT), dBA	69
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 50 Hz
PED Category	3
Max. Low Side Internal Free Volume, l	12.6
Max. High Side Internal Free Volume, l	1.5
Max. Internal Free Volume, l	14.1
High Side PS gauge, bar	50
Low Side PS gauge, bar	30.4
Low Side TS Max., °C	55
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	29
Locked Rotor Current, A	147
Winding Resistance, ohm	1.04
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL****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