



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
17.0	13.50	16.95	21.10									
20.0	13.10	16.50	20.60	25.40								
25.0	12.40	15.75	19.70	24.40	29.80	36.20						
30.0	11.70	14.95	18.75	23.30	28.50	34.70	41.70	44.90	49.90			
35.0	10.95	14.10	17.80	22.10	27.20	33.10	39.80	42.80	47.60	52.00	56.50	
40.0	10.20	13.25	16.75	20.90	25.80	31.40	37.90	40.70	45.30	49.50	53.90	63.50
45.0	9.38	12.30	15.70	19.65	24.30	29.60	35.80	38.60	43.00	46.90	51.10	60.40
50.0		11.35	14.60	18.35	22.70	27.80	33.70	36.30	40.50	44.20	48.30	57.10
55.0			13.40	17.00	21.10	25.90	31.50	34.00	37.90	41.50	45.30	53.80
60.0				15.55	19.45	24.00	29.20	31.60	35.30	38.70	42.30	50.30
65.0					17.75	22.00	26.90	29.10	32.70	35.80	39.30	
67.0					17.05	21.20	26.00	28.10	31.60	34.70	38.00	

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	4.39	4.56	4.70									
20.0	4.66	4.84	5.00	5.13								
25.0	5.10	5.33	5.52	5.68	5.81	5.94						
30.0	5.57	5.85	6.07	6.27	6.43	6.57	6.70	6.76	6.83			
35.0	6.06	6.39	6.67	6.90	7.10	7.27	7.42	7.47	7.55	7.62	7.69	
40.0	6.57	6.97	7.31	7.59	7.83	8.03	8.20	8.27	8.36	8.43	8.51	8.65
45.0	7.11	7.59	7.99	8.33	8.62	8.86	9.07	9.14	9.25	9.33	9.41	9.57
50.0		8.24	8.72	9.13	9.47	9.77	10.00	10.10	10.25	10.35	10.40	10.60
55.0			9.50	9.99	10.40	10.75	11.05	11.15	11.30	11.40	11.55	11.75
60.0				10.90	11.40	11.80	12.15	12.30	12.50	12.60	12.75	12.95
65.0					12.45	12.95	13.40	13.55	13.75	13.90	14.05	
67.0					12.90	13.45	13.90	14.05	14.30	14.45	14.60	

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	10.44	10.60	10.74									
20.0	10.71	10.90	11.06	11.20								
25.0	11.19	11.43	11.64	11.81	11.97	12.12						
30.0	11.71	12.02	12.28	12.50	12.69	12.87	13.03	13.09	13.19			
35.0	12.27	12.67	13.00	13.28	13.52	13.73	13.91	13.98	14.09	14.17	14.26	
40.0	12.88	13.37	13.79	14.14	14.44	14.70	14.92	15.01	15.13	15.22	15.31	15.50
45.0	13.55	14.15	14.66	15.10	15.47	15.80	16.07	16.17	16.31	16.42	16.53	16.73
50.0		14.99	15.62	16.16	16.62	17.02	17.36	17.48	17.65	17.78	17.91	18.14
55.0			16.67	17.32	17.88	18.37	18.79	18.94	19.15	19.31	19.46	19.73
60.0				18.59	19.27	19.86	20.37	20.55	20.81	21.00	21.19	21.52
65.0					20.78	21.49	22.10	22.32	22.63	22.87	23.09	
67.0					21.42	22.18	22.84	23.08	23.41	23.67	23.91	

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	67.10	83.10	102.00									
20.0	66.60	82.70	101.50	124.00								
25.0	65.70	82.00	101.00	123.00	149.00	178.00						
30.0	64.50	81.10	100.00	122.50	148.00	177.00	211.00	225.00	248.00			
35.0	63.10	79.80	99.10	121.00	146.50	176.00	209.00	224.00	247.00	267.00	289.00	
40.0	61.40	78.40	97.70	120.00	145.00	174.00	207.00	222.00	245.00	265.00	287.00	334.00
45.0	59.50	76.60	95.90	118.00	143.50	172.00	205.00	219.00	242.00	263.00	284.00	332.00
50.0		74.40	93.90	116.00	141.00	170.00	203.00	217.00	240.00	260.00	282.00	329.00
55.0			91.40	113.50	138.50	167.00	199.50	214.00	236.00	257.00	278.00	325.00
60.0				110.50	135.50	164.00	196.00	210.00	233.00	253.00	275.00	322.00
65.0					132.00	160.50	192.50	207.00	229.00	249.00	271.00	
67.0					130.50	159.00	191.00	205.00	228.00	248.00	269.00	

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /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	1774
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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04