



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	11.30	14.60	18.65	23.50	29.20	35.90					
25.0	10.65	13.85	17.75	22.40	27.90	34.30					
30.0	10.00	13.10	16.80	21.30	26.50	32.70	39.80	42.90			
35.0	9.35	12.35	15.90	20.20	25.20	31.10	37.90	40.90	45.70		
40.0	8.70	11.60	15.00	19.05	23.90	29.50	36.00	38.80	43.40	47.60	52.00
45.0	8.04	10.80	14.10	18.00	22.50	27.90	34.00	36.80	41.20	45.10	49.30
50.0	7.37	10.05	13.20	16.85	21.20	26.30	32.10	34.70	38.90	42.70	46.70
55.0	6.68	9.25	12.25	15.75	19.85	24.70	30.20	32.70	36.70	40.20	44.00
60.0		8.45	11.30	14.65	18.55	23.10	28.30	30.70	34.40	37.80	41.40
65.0			10.35	13.50	17.20	21.50	26.40	28.60	32.20	35.40	38.80
70.0				12.35	15.80	19.85	24.50	26.60	29.90	32.90	36.20
75.0				11.20	14.45	18.20	22.60	24.60	27.70	30.50	33.60

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	5.78	5.78	5.80	5.82	5.83	5.81					
25.0	5.69	5.82	5.96	6.11	6.26	6.38					
30.0	5.69	5.92	6.18	6.44	6.70	6.95	7.16	7.23			
35.0	5.78	6.10	6.45	6.82	7.18	7.53	7.86	7.98	8.14		
40.0	5.97	6.36	6.79	7.24	7.69	8.14	8.56	8.72	8.94	9.12	9.28
45.0	6.26	6.72	7.21	7.73	8.25	8.77	9.27	9.46	9.74	9.96	10.15
50.0	6.67	7.17	7.71	8.28	8.86	9.44	10.00	10.25	10.55	10.80	11.05
55.0	7.20	7.73	8.30	8.91	9.53	10.15	10.75	11.00	11.35	11.65	11.90
60.0		8.41	9.00	9.62	10.25	10.90	11.55	11.85	12.20	12.50	12.80
65.0			9.80	10.45	11.10	11.75	12.40	12.70	13.05	13.40	13.70
70.0				11.35	12.00	12.65	13.30	13.60	14.00	14.30	14.60
75.0				12.35	13.00	13.65	14.30	14.55	14.95	15.25	15.55

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	17.05	17.00	16.98	16.96	16.95	16.91					
25.0	16.94	16.99	17.08	17.18	17.29	17.38					
30.0	16.90	17.04	17.23	17.44	17.65	17.86	18.05	18.11			
35.0	16.93	17.16	17.44	17.74	18.06	18.37	18.67	18.78	18.94		
40.0	17.05	17.36	17.71	18.10	18.51	18.92	19.33	19.48	19.70	19.87	20.03
45.0	17.28	17.65	18.07	18.54	19.03	19.53	20.02	20.22	20.50	20.72	20.93
50.0	17.62	18.04	18.53	19.06	19.62	20.20	20.77	21.00	21.34	21.61	21.87
55.0	18.09	18.55	19.09	19.67	20.29	20.94	21.59	21.85	22.23	22.54	22.85
60.0		19.19	19.76	20.39	21.07	21.77	22.48	22.77	23.19	23.54	23.88
65.0			20.57	21.24	21.95	22.70	23.46	23.77	24.23	24.61	24.99
70.0				22.21	22.96	23.74	24.55	24.88	25.37	25.77	26.18
75.0				23.33	24.10	24.91	25.75	26.09	26.60	27.03	27.46

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	64.20	81.50	102.00	126.50	154.50	186.50					
25.0	63.00	80.40	101.00	125.00	153.00	185.00					
30.0	61.80	79.20	99.80	124.00	151.50	183.00	219.00	235.00			
35.0	60.50	78.10	98.60	122.50	150.00	181.50	217.00	233.00	257.00		
40.0	59.00	76.80	97.40	121.00	148.50	180.00	215.00	231.00	255.00	277.00	300.00
45.0	57.40	75.50	96.10	120.00	147.00	178.00	213.00	229.00	253.00	275.00	297.00
50.0	55.60	73.90	94.70	118.50	145.50	176.50	211.00	227.00	251.00	272.00	295.00
55.0	53.50	72.20	93.20	117.00	144.00	174.50	209.00	224.00	248.00	270.00	292.00
60.0		70.20	91.40	115.50	142.50	173.00	207.00	222.00	246.00	267.00	290.00
65.0			89.40	113.50	140.50	171.00	205.00	220.00	244.00	265.00	287.00
70.0				111.50	138.50	169.00	203.00	218.00	242.00	263.00	285.00
75.0				109.00	136.50	167.00	201.00	216.00	240.00	261.00	283.00

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	48.3
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	71
Sound Power (HT), dBA	82
Sound Power with Sound Shell (HT), dBA	72
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	39
Locked Rotor Current, A	186
Winding Resistance, ohm	0.79
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