



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	17.10	21.60	27.10									
20.0	16.60	21.10	26.40	32.80								
25.0	15.75	20.10	25.20	31.40	38.60	47.10						
30.0	14.85	19.00	24.00	29.90	36.80	45.00	54.40	58.60	65.30			
35.0	13.90	17.90	22.70	28.30	34.90	42.70	51.70	55.70	62.10	67.80	74.00	
40.0	12.95	16.75	21.30	26.60	32.90	40.30	48.80	52.60	58.70	64.20	70.10	83.00
45.0	11.95	15.55	19.85	24.90	30.80	37.80	45.80	49.40	55.20	60.40	66.00	78.30
50.0	10.95	14.35	18.35	23.10	28.60	35.10	42.80	46.10	51.60	56.50	61.80	73.40
55.0			16.80	21.20	26.40	32.50	39.60	42.70	47.80	52.50	57.40	68.40
60.0				19.30	24.10	29.70	36.30	39.20	44.00	48.30	52.90	63.20
65.0					21.70	26.80	32.90	35.60	40.00	44.00	48.30	
67.0					20.70	25.60	31.50	34.10	38.40	42.20	46.40	

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	5.23	5.75	6.27									
20.0	5.77	6.28	6.78	7.30								
25.0	6.60	7.11	7.60	8.09	8.60	9.15						
30.0	7.36	7.89	8.39	8.88	9.37	9.88	10.45	10.70	11.05			
35.0	8.06	8.65	9.18	9.68	10.15	10.65	11.20	11.40	11.75	12.10	12.40	
40.0	8.73	9.39	9.98	10.50	11.05	11.55	12.05	12.25	12.60	12.90	13.20	13.90
45.0	9.39	10.15	10.80	11.40	11.95	12.50	13.05	13.25	13.60	13.90	14.20	14.85
50.0	10.05	10.90	11.70	12.35	13.00	13.60	14.15	14.40	14.75	15.05	15.35	16.00
55.0			12.60	13.40	14.15	14.80	15.45	15.70	16.05	16.35	16.70	17.35
60.0				14.55	15.40	16.15	16.90	17.15	17.60	17.90	18.25	18.95
65.0					16.80	17.70	18.55	18.85	19.30	19.70	20.10	
67.0					17.45	18.35	19.25	19.60	20.10	20.50	20.90	

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	16.48	16.89	17.34									
20.0	16.98	17.39	17.83	18.30								
25.0	17.73	18.17	18.61	19.07	19.57	20.14						
30.0	18.43	18.91	19.38	19.85	20.34	20.89	21.51	21.78	22.23			
35.0	19.07	19.64	20.17	20.68	21.20	21.75	22.35	22.61	23.03	23.40	23.81	
40.0	19.71	20.39	21.01	21.59	22.16	22.74	23.35	23.61	24.02	24.39	24.78	25.63
45.0	20.35	21.17	21.91	22.60	23.25	23.89	24.55	24.82	25.24	25.61	26.00	26.84
50.0	21.03	22.03	22.92	23.73	24.50	25.23	25.96	26.26	26.71	27.10	27.50	28.35
55.0			24.05	25.03	25.93	26.79	27.62	27.95	28.45	28.88	29.31	30.21
60.0				26.50	27.58	28.59	29.56	29.93	30.50	30.97	31.45	32.42
65.0					29.46	30.66	31.79	32.22	32.87	33.41	33.95	
67.0					30.29	31.56	32.77	33.23	33.92	34.49	35.05	

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	91.10	113.00	139.50									
20.0	90.60	113.00	139.50	170.50								
25.0	89.60	112.00	139.00	170.00	206.00	248.00						
30.0	88.40	111.00	138.00	169.00	205.00	247.00	294.00	315.00	349.00			
35.0	86.90	110.00	136.50	167.50	204.00	245.00	292.00	313.00	346.00	376.00	407.00	
40.0	85.10	108.00	135.00	165.50	201.00	242.00	289.00	310.00	343.00	372.00	403.00	472.00
45.0	83.20	106.50	133.00	163.50	198.50	239.00	286.00	306.00	339.00	368.00	399.00	467.00
50.0	81.00	104.00	130.50	160.50	195.50	236.00	282.00	302.00	335.00	363.00	394.00	462.00
55.0			127.50	157.50	192.00	232.00	277.00	297.00	329.00	358.00	389.00	456.00
60.0				154.00	187.50	227.00	272.00	292.00	323.00	352.00	382.00	449.00
65.0					183.00	222.00	266.00	286.00	317.00	345.00	376.00	
67.0					181.00	219.00	263.00	283.00	314.00	343.00	373.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /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	1774
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**

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