



Minimum Evaporating Temp. With:

- 10 K Suction Superheat      — 10 K Suction Superheat OEM envelope
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	10.45	13.05	16.05	19.50	23.50	28.10								
15.0	9.81	12.40	15.35	18.80	22.70	27.20	32.30							
20.0	9.15	11.70	14.65	17.95	21.80	26.20	31.20	36.80						
25.0	8.49	11.00	13.85	17.10	20.80	25.10	29.90	35.40	37.80	41.60				
30.0	7.86	10.30	13.05	16.15	19.75	23.80	28.50	33.80	36.10	39.80	43.10	46.60		
35.0		9.59	12.20	15.20	18.65	22.50	27.00	32.10	34.30	37.90	41.00	44.40		
40.0			11.40	14.25	17.45	21.20	25.40	30.30	32.40	35.80	38.80	42.00	49.00	
45.0				13.25	16.30	19.75	23.80	28.30	30.30	33.50	36.40	39.40	46.10	53.60
50.0					15.05	18.30	22.00	26.30	28.20	31.20	33.90	36.70	43.00	50.10
55.0						16.80	20.20	24.10	25.90	28.70	31.20	33.90	39.70	46.40
60.0							18.30	21.90	23.50	26.00	28.30	30.80	36.20	42.40
65.0								19.40	20.80	23.10	25.20	27.40	32.30	

Cond °C	Power, kW													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	3.52	3.37	3.31	3.33	3.40	3.52								
15.0	3.99	3.84	3.78	3.79	3.85	3.96	4.10							
20.0	4.45	4.32	4.25	4.26	4.32	4.41	4.54	4.68						
25.0	4.93	4.80	4.74	4.75	4.80	4.89	5.01	5.14	5.20	5.27				
30.0	5.42	5.30	5.25	5.27	5.32	5.41	5.52	5.65	5.69	5.77	5.82	5.87		
35.0		5.84	5.80	5.82	5.88	5.98	6.09	6.20	6.25	6.32	6.36	6.41		
40.0			6.40	6.43	6.50	6.60	6.71	6.83	6.87	6.94	6.98	7.02	7.07	
45.0				7.10	7.19	7.29	7.41	7.53	7.57	7.64	7.68	7.72	7.76	7.75
50.0					7.95	8.07	8.20	8.32	8.37	8.43	8.47	8.51	8.55	8.53
55.0						8.94	9.08	9.21	9.26	9.33	9.37	9.41	9.45	9.43
60.0							10.05	10.20	10.25	10.35	10.40	10.45	10.45	10.45
65.0								11.35	11.40	11.45	11.55	11.55	11.60	

Cond °C	Current at 400 V, A													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	10.04	9.87	9.80	9.84	9.96	10.14								
15.0	10.46	10.28	10.21	10.23	10.33	10.49	10.68							
20.0	10.91	10.73	10.66	10.68	10.77	10.91	11.09	11.28						
25.0	11.40	11.24	11.17	11.19	11.28	11.41	11.57	11.75	11.82	11.92				
30.0	11.95	11.80	11.75	11.78	11.87	12.00	12.16	12.32	12.39	12.48	12.55	12.60		
35.0		12.43	12.40	12.44	12.54	12.68	12.84	13.01	13.07	13.15	13.22	13.27		
40.0			13.14	13.20	13.32	13.47	13.64	13.81	13.87	13.95	14.01	14.06	14.11	
45.0				14.07	14.21	14.38	14.56	14.74	14.80	14.89	14.95	15.00	15.05	15.02
50.0					15.21	15.41	15.62	15.81	15.88	15.98	16.04	16.09	16.14	16.11
55.0						16.58	16.81	17.03	17.11	17.21	17.29	17.35	17.41	17.38
60.0							18.15	18.40	18.49	18.62	18.70	18.77	18.85	18.84
65.0								19.95	20.05	20.19	20.29	20.38	20.48	

Cond °C	Suction Mass Flow, g/s													
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	51.60	63.60	77.30	93.00	111.00	131.00								
15.0	50.30	62.80	76.90	93.00	111.00	132.00	155.00							
20.0	48.90	61.80	76.30	92.60	111.00	132.00	155.50	182.50						
25.0	47.50	60.70	75.40	92.00	110.50	132.00	156.00	182.50	194.50	213.00				
30.0	46.20	59.60	74.50	91.20	110.00	131.50	155.50	182.50	194.00	213.00	229.00	247.00		
35.0		58.50	73.50	90.20	109.00	130.50	154.50	181.50	193.50	212.00	229.00	247.00		
40.0			72.50	89.20	108.00	129.50	153.50	180.50	192.50	211.00	228.00	246.00	284.00	
45.0				88.20	107.00	128.00	152.00	179.00	191.00	210.00	226.00	244.00	283.00	327.00
50.0					105.50	126.50	150.50	177.50	189.00	208.00	225.00	242.00	281.00	325.00
55.0						125.50	148.50	175.50	187.00	206.00	222.00	240.00	279.00	323.00
60.0							147.00	173.50	185.00	204.00	220.00	238.00	277.00	322.00
65.0								172.50	184.00	202.00	219.00	237.00	276.00	

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	19.5
Length/Width, mm	269/259
Height, mm	610
Net Weight, kg	50.5
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.51
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	63
Sound Power (HT), dBA	74
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	II
Max. Internal Free Volume, l	7.20
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	21.6
Locked Rotor Current, A	139
Winding Resistance, ohm	1.17
Default Enclosure Class	IP 21 (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