



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	15.80	19.90	24.90										
20.0	15.40	19.45	24.40	30.20									
25.0	14.70	18.70	23.40	29.10	35.80	43.60							
30.0	14.00	17.85	22.40	27.90	34.30	41.80	50.50	54.30	60.50				
35.0	13.20	16.90	21.30	26.50	32.70	39.90	48.20	51.90	57.80	63.10	68.70		
40.0	12.40	15.95	20.20	25.10	31.00	37.80	45.70	49.20	54.90	59.90	65.40	77.30	
45.0	11.55	14.95	18.95	23.60	29.20	35.60	43.20	46.50	51.80	56.70	61.80	73.20	
50.0		13.90	17.65	22.10	27.30	33.40	40.50	43.60	48.70	53.20	58.10	68.90	
55.0			16.35	20.50	25.30	31.00	37.70	40.60	45.40	49.70	54.30	64.50	
60.0				18.80	23.30	28.60	34.80	37.50	42.00	46.00	50.40	60.00	
65.0					21.20	26.10	31.80	34.40	38.50	42.30	46.30		
67.0					20.40	25.10	30.60	33.10	37.10	40.80	44.70		

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	6.16	6.50	6.83									
20.0	6.19	6.55	6.91	7.24								
25.0	6.37	6.75	7.14	7.52	7.88	8.21						
30.0	6.68	7.09	7.51	7.93	8.33	8.71	9.05	9.18	9.35			
35.0	7.15	7.58	8.02	8.47	8.92	9.34	9.74	9.89	10.10	10.25	10.40	
40.0	7.75	8.20	8.67	9.15	9.63	10.10	10.55	10.70	10.95	11.15	11.35	11.65
45.0	8.51	8.97	9.46	9.97	10.50	11.00	11.50	11.70	11.95	12.15	12.40	12.75
50.0		9.88	10.40	10.90	11.45	12.00	12.55	12.75	13.05	13.30	13.55	14.00
55.0			11.45	12.00	12.60	13.15	13.75	13.95	14.30	14.60	14.85	15.35
60.0				13.25	13.85	14.45	15.05	15.30	15.65	15.95	16.25	16.80
65.0					15.20	15.85	16.50	16.75	17.15	17.45	17.80	
67.0					15.80	16.45	17.10	17.40	17.75	18.10	18.40	

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	11.83	12.26	12.68									
20.0	11.87	12.33	12.78	13.22								
25.0	12.09	12.58	13.08	13.57	14.05	14.49						
30.0	12.49	13.02	13.56	14.11	14.65	15.16	15.62	15.79	16.03			
35.0	13.09	13.65	14.24	14.84	15.44	16.02	16.56	16.76	17.05	17.27	17.47	
40.0	13.89	14.48	15.11	15.76	16.42	17.06	17.68	17.92	18.26	18.53	18.78	19.22
45.0	14.89	15.51	16.18	16.88	17.59	18.31	19.00	19.27	19.66	19.97	20.27	20.81
50.0		16.76	17.46	18.21	18.97	19.75	20.51	20.81	21.25	21.61	21.95	22.59
55.0			18.96	19.75	20.56	21.40	22.23	22.56	23.05	23.44	23.83	24.57
60.0				21.50	22.37	23.26	24.16	24.52	25.05	25.49	25.92	26.75
65.0					24.39	25.34	26.30	26.69	27.27	27.74	28.22	
67.0					25.27	26.23	27.22	27.62	28.21	28.71	29.20	

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	78.60	97.60	120.50									
20.0	78.50	97.60	120.50	147.50								
25.0	77.90	97.30	120.50	147.00	178.50	215.00						
30.0	77.10	96.70	119.50	146.50	177.50	214.00	255.00	273.00	301.00			
35.0	76.00	95.70	118.50	145.50	176.50	212.00	253.00	271.00	299.00	324.00	351.00	
40.0	74.60	94.50	117.50	144.00	174.50	210.00	250.00	268.00	296.00	321.00	348.00	406.00
45.0	73.10	92.90	115.50	142.00	172.50	207.00	247.00	265.00	293.00	318.00	344.00	402.00
50.0		91.10	113.50	139.50	169.50	204.00	243.00	261.00	288.00	313.00	339.00	397.00
55.0			111.50	136.50	166.00	200.00	239.00	256.00	283.00	307.00	333.00	391.00
60.0				133.50	162.00	195.50	233.00	250.00	277.00	301.00	327.00	384.00
65.0					158.00	190.00	227.00	244.00	271.00	294.00	320.00	
67.0					156.00	188.00	225.00	241.00	268.00	291.00	317.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	42.4
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	71
Sound Power (HT), dBA	82
Sound Power with Sound Shell (HT), dBA	71
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	34
Locked Rotor Current, A	141
Winding Resistance, ohm	0.99
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