



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat OEM envelope
- ▨ Controlled Discharge OEM envelope
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW														
	-35.0	-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	9.53	11.85	14.65	17.90	21.80	26.30	31.40	37.30							
15.0	9.06	11.35	14.05	17.25	21.00	25.30	30.30	36.10	42.50						
20.0	8.58	10.80	13.45	16.55	20.10	24.30	29.20	34.70	41.00	43.70	48.10				
25.0	8.09	10.25	12.80	15.80	19.30	23.30	28.00	33.30	39.40	42.10	46.30	50.00	54.00		
30.0	7.58	9.68	12.15	15.00	18.40	22.30	26.80	31.90	37.80	40.30	44.40	48.00	51.80	60.10	
35.0	7.07	9.10	11.45	14.25	17.45	21.20	25.50	30.40	36.10	38.50	42.40	45.90	49.60	57.60	66.50
40.0	6.56	8.51	10.80	13.40	16.50	20.10	24.20	28.90	34.30	36.70	40.40	43.70	47.30	55.00	63.60
45.0	6.05	7.91	10.10	12.60	15.50	18.90	22.80	27.30	32.50	34.70	38.30	41.50	44.90	52.40	60.70
50.0		7.31	9.36	11.75	14.50	17.75	21.50	25.70	30.70	32.80	36.20	39.30	42.60	49.70	57.60
55.0		6.71	8.64	10.90	13.50	16.55	20.00	24.10	28.80	30.80	34.10	37.00	40.10	46.90	54.60
60.0			7.92	10.00	12.45	15.30	18.60	22.40	26.80	28.80	31.90	34.70	37.60	44.10	51.40
65.0				9.14	11.40	14.05	17.15	20.70	24.90	26.70	29.70	32.30	35.10	41.30	
70.0						12.80	15.70	19.05	22.90	24.70	27.40	29.90	32.60		
75.0							14.20	17.30	21.00	22.60	25.20	27.50	30.00		

Cond °C	Power, kW														
	-35.0	-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	3.88	4.00	4.10	4.17	4.22	4.26	4.29	4.31							
15.0	4.17	4.32	4.43	4.52	4.59	4.64	4.68	4.71	4.74						
20.0	4.47	4.65	4.79	4.90	4.99	5.05	5.11	5.15	5.18	5.19	5.21				
25.0	4.78	4.99	5.16	5.30	5.41	5.49	5.56	5.61	5.66	5.67	5.69	5.71	5.73		
30.0	5.11	5.35	5.56	5.72	5.86	5.97	6.05	6.12	6.17	6.19	6.22	6.24	6.26	6.30	
35.0	5.46	5.74	5.98	6.18	6.34	6.47	6.58	6.66	6.73	6.75	6.78	6.81	6.83	6.88	6.93
40.0	5.83	6.15	6.43	6.66	6.85	7.01	7.14	7.25	7.33	7.36	7.40	7.43	7.46	7.51	7.56
45.0	6.22	6.59	6.91	7.18	7.41	7.60	7.75	7.88	7.99	8.02	8.07	8.11	8.14	8.21	8.26
50.0		7.06	7.42	7.73	8.00	8.22	8.41	8.56	8.69	8.74	8.80	8.84	8.89	8.96	9.03
55.0		7.57	7.98	8.33	8.63	8.89	9.11	9.30	9.45	9.51	9.58	9.64	9.69	9.78	9.86
60.0			8.57	8.97	9.31	9.61	9.87	10.10	10.25	10.35	10.40	10.50	10.55	10.65	10.75
65.0				9.65	10.05	10.40	10.70	10.95	11.15	11.25	11.35	11.40	11.50	11.60	
70.0						11.20	11.55	11.85	12.10	12.20	12.30	12.40	12.50		
75.0							12.50	12.80	13.10	13.20	13.35	13.45	13.55		

Cond °C	Current at 400 V, A														
	-35.0	-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	9.99	10.09	10.17	10.24	10.29	10.33	10.37	10.41							
15.0	10.26	10.40	10.51	10.59	10.66	10.71	10.76	10.80	10.84						
20.0	10.55	10.73	10.87	10.98	11.07	11.14	11.20	11.25	11.29	11.31	11.34				
25.0	10.87	11.09	11.27	11.41	11.53	11.62	11.69	11.76	11.81	11.83	11.86	11.88	11.91		
30.0	11.21	11.48	11.70	11.88	12.03	12.15	12.25	12.33	12.40	12.42	12.45	12.48	12.51	12.56	
35.0	11.58	11.90	12.18	12.40	12.59	12.75	12.87	12.98	13.06	13.09	13.13	13.16	13.19	13.25	13.31
40.0	11.99	12.37	12.70	12.98	13.21	13.40	13.57	13.70	13.80	13.84	13.89	13.93	13.97	14.04	14.10
45.0	12.45	12.89	13.28	13.61	13.90	14.13	14.33	14.50	14.64	14.68	14.75	14.80	14.85	14.93	15.00
50.0		13.47	13.92	14.31	14.65	14.94	15.18	15.39	15.56	15.62	15.70	15.77	15.82	15.93	16.02
55.0		14.10	14.62	15.08	15.48	15.82	16.12	16.37	16.58	16.66	16.76	16.84	16.91	17.04	17.15
60.0			15.40	15.93	16.39	16.80	17.15	17.45	17.71	17.80	17.93	18.02	18.11	18.27	18.40
65.0				16.85	17.39	17.86	18.27	18.63	18.94	19.05	19.21	19.32	19.43	19.63	
70.0						19.02	19.50	19.92	20.29	20.42	20.60	20.74	20.88		
75.0							20.83	21.32	21.75	21.91	22.12	22.29	22.45		

Cond °C	Suction Mass Flow, g/s														
	-35.0	-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	27.50	33.60	40.70	49.00	58.60	69.50	81.80	95.70							
15.0	27.10	33.30	40.50	48.80	58.40	69.30	81.70	95.60	111.00						
20.0	26.70	33.00	40.20	48.60	58.20	69.10	81.40	95.30	110.50	117.50	128.00				
25.0	26.20	32.60	39.90	48.30	57.90	68.80	81.10	94.90	110.50	117.00	127.50	136.50	146.00		
30.0	25.70	32.10	39.50	47.90	57.50	68.40	80.60	94.40	110.00	116.50	127.00	136.00	145.50	166.50	
35.0	25.10	31.60	39.00	47.40	57.00	67.80	80.10	93.80	109.00	115.50	126.00	135.50	145.00	165.50	188.00
40.0	24.50	31.10	38.50	46.90	56.40	67.20	79.40	93.10	108.50	115.00	125.50	134.50	144.00	164.50	187.50
45.0	23.80	30.50	37.90	46.30	55.80	66.50	78.60	92.20	107.50	114.00	124.50	133.50	143.00	163.50	186.50
50.0		29.80	37.20	45.60	55.00	65.70	77.70	91.20	106.50	113.00	123.50	132.50	142.00	162.50	185.50
55.0		29.10	36.50	44.80	54.20	64.70	76.70	90.20	105.50	112.00	122.00	131.00	141.00	161.50	184.00
60.0			35.70	44.00	53.20	63.70	75.60	89.00	104.00	110.50	121.00	130.00	139.50	160.00	183.00
65.0				43.00	52.20	62.60	74.40	87.70	102.50	109.00	119.50	128.50	138.00	159.00	
70.0						61.40	73.10	86.30	101.00	107.50	118.00	127.00	137.00		
75.0							71.80	84.90	99.80	106.50	116.50	126.00	135.50		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /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)	Zerol RFL 68EP
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	67
Sound Power (HT), dBA	78
Sound Power with Sound Shell (HT), dBA	70
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
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	3
Refrigerant's classification	A3

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

Maximum Operating Current, A	25
Locked Rotor Current, A	147
Winding Resistance, ohm	1.04
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