



Minimum Evaporating Temp. With:

- 5 K Suction Superheat OEM envelope
- 10 K Suction Superheat
- 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	7.46	9.39	11.70	14.50	17.75	21.50	25.90	30.90							
15.0	7.09	8.99	11.25	13.95	17.10	20.80	25.00	29.80	35.30						
20.0	6.71	8.57	10.80	13.40	16.45	19.95	24.10	28.70	34.00	36.30	40.00				
25.0	6.32	8.14	10.30	12.80	15.75	19.15	23.10	27.60	32.70	34.90	38.40	41.60	44.90		
30.0	5.93	7.69	9.76	12.20	15.00	18.30	22.10	26.40	31.30	33.40	36.90	39.90	43.10	50.10	
35.0	5.52	7.23	9.22	11.55	14.25	17.40	21.00	25.20	29.90	31.90	35.20	38.10	41.20	47.90	55.40
40.0	5.11	6.76	8.68	10.90	13.50	16.50	19.95	23.90	28.40	30.40	33.50	36.30	39.30	45.70	52.90
45.0	4.70	6.28	8.12	10.25	12.70	15.55	18.85	22.60	26.90	28.80	31.80	34.50	37.30	43.50	50.40
50.0		5.80	7.54	9.56	11.90	14.60	17.70	21.30	25.40	27.20	30.10	32.60	35.30	41.20	47.90
55.0			6.96	8.87	11.05	13.60	16.55	19.95	23.80	25.50	28.30	30.70	33.30	38.90	45.20
60.0				8.16	10.25	12.60	15.40	18.60	22.30	23.90	26.40	28.70	31.20	36.60	42.60
65.0					9.38	11.60	14.20	17.20	20.60	22.20	24.60	26.80	29.10	34.20	
70.0						10.60	13.00	15.80	19.00	20.40	22.70	24.80	27.00		
75.0							11.75	14.35	17.35	18.70	20.80	22.80	24.80		

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	3.38	3.49	3.57	3.63	3.68	3.71	3.74	3.76							
15.0	3.62	3.75	3.85	3.92	3.98	4.02	4.05	4.07	4.08						
20.0	3.87	4.02	4.14	4.24	4.31	4.36	4.39	4.42	4.43	4.43	4.44				
25.0	4.12	4.30	4.45	4.56	4.65	4.72	4.77	4.80	4.81	4.82	4.82	4.82	4.82		
30.0	4.38	4.60	4.77	4.91	5.03	5.11	5.17	5.21	5.24	5.24	5.25	5.25	5.25	5.24	
35.0	4.66	4.91	5.12	5.29	5.42	5.53	5.61	5.67	5.70	5.71	5.72	5.73	5.73	5.72	5.71
40.0	4.95	5.23	5.48	5.68	5.85	5.98	6.09	6.16	6.21	6.23	6.24	6.25	6.26	6.26	6.25
45.0	5.25	5.58	5.87	6.11	6.31	6.47	6.60	6.70	6.77	6.79	6.82	6.83	6.84	6.85	6.84
50.0		5.95	6.28	6.56	6.80	7.00	7.15	7.28	7.37	7.40	7.44	7.46	7.48	7.50	7.50
55.0			6.72	7.04	7.32	7.56	7.75	7.91	8.03	8.07	8.12	8.15	8.18	8.21	8.23
60.0				7.56	7.88	8.16	8.39	8.58	8.73	8.78	8.85	8.89	8.93	8.99	9.02
65.0					8.48	8.80	9.08	9.30	9.49	9.55	9.64	9.70	9.75	9.83	
70.0						9.49	9.81	10.10	10.30	10.40	10.50	10.55	10.65		
75.0							10.60	10.90	11.20	11.25	11.40	11.50	11.60		

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	9.63	9.71	9.78	9.81	9.83	9.83	9.82	9.79							
15.0	9.83	9.95	10.04	10.10	10.13	10.15	10.15	10.13	10.10						
20.0	10.05	10.20	10.31	10.40	10.46	10.49	10.51	10.50	10.49	10.48	10.46				
25.0	10.28	10.46	10.62	10.73	10.82	10.87	10.91	10.92	10.92	10.91	10.90	10.88	10.87		
30.0	10.53	10.76	10.94	11.09	11.21	11.30	11.35	11.39	11.40	11.40	11.39	11.38	11.37	11.34	
35.0	10.80	11.07	11.31	11.50	11.65	11.76	11.85	11.91	11.94	11.95	11.95	11.95	11.94	11.92	11.89
40.0	11.10	11.43	11.71	11.94	12.13	12.28	12.40	12.49	12.54	12.56	12.58	12.58	12.59	12.58	12.56
45.0	11.44	11.82	12.15	12.43	12.67	12.86	13.01	13.13	13.22	13.25	13.28	13.30	13.31	13.32	13.31
50.0		12.27	12.65	12.98	13.26	13.50	13.69	13.85	13.97	14.01	14.06	14.09	14.12	14.15	14.16
55.0			13.20	13.59	13.92	14.21	14.45	14.64	14.80	14.85	14.92	14.97	15.01	15.07	15.11
60.0				14.26	14.65	14.99	15.28	15.52	15.72	15.79	15.88	15.94	16.00	16.09	16.16
65.0					15.45	15.85	16.19	16.48	16.73	16.81	16.93	17.02	17.09	17.22	
70.0						16.79	17.19	17.54	17.83	17.94	18.08	18.19	18.29		
75.0							18.29	18.69	19.04	19.17	19.34	19.48	19.60		

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	21.50	26.60	32.60	39.60	47.70	57.00	67.40	79.20							
15.0	21.20	26.40	32.50	39.50	47.60	56.90	67.30	79.10	92.10						
20.0	20.90	26.20	32.30	39.40	47.50	56.70	67.10	78.80	91.80	97.50	106.50				
25.0	20.50	25.90	32.00	39.10	47.20	56.40	66.80	78.50	91.50	97.10	106.00	113.50	122.00		
30.0	20.10	25.50	31.70	38.80	46.90	56.10	66.50	78.10	91.00	96.60	105.50	113.00	121.00	138.50	
35.0	19.65	25.10	31.40	38.50	46.60	55.70	66.00	77.60	90.40	96.00	104.50	112.50	120.50	138.00	157.00
40.0	19.10	24.70	31.00	38.10	46.10	55.30	65.50	77.00	89.80	95.30	104.00	111.50	119.50	137.00	156.00
45.0	18.55	24.20	30.50	37.60	45.60	54.70	64.90	76.30	89.00	94.50	103.00	111.00	119.00	136.00	155.00
50.0		23.60	30.00	37.10	45.10	54.10	64.20	75.50	88.20	93.60	102.50	110.00	118.00	135.00	154.00
55.0			29.40	36.50	44.40	53.40	63.40	74.60	87.20	92.70	101.00	109.00	117.00	134.00	153.00
60.0				35.80	43.70	52.60	62.50	73.70	86.20	91.60	100.00	107.50	115.50	132.50	151.50
65.0					42.90	51.70	61.60	72.60	85.10	90.40	99.00	106.50	114.50	131.50	
70.0						50.80	60.50	71.50	83.90	89.30	97.70	105.50	113.00		
75.0							59.50	70.40	82.80	88.10	96.60	104.00	112.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	29.2
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	69
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	22
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