



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat 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	11.50	14.20	17.45	21.30	25.80	31.10	37.20	44.20								
15.0	11.00	13.70	16.85	20.60	25.00	30.10	36.00	42.80	50.40							
20.0	10.50	13.10	16.20	19.85	24.10	29.10	34.80	41.30	48.70	52.00	57.10					
25.0	9.97	12.50	15.50	19.05	23.20	28.00	33.50	39.80	46.90	50.10	55.00	59.50	64.10			
30.0	9.41	11.90	14.80	18.20	22.20	26.80	32.10	38.10	45.10	48.10	52.90	57.10	61.60	71.50		
35.0	8.84	11.25	14.00	17.30	21.10	25.50	30.60	36.40	43.10	46.00	50.60	54.70	59.10	68.50	79.10	
40.0	8.25	10.55	13.25	16.35	20.00	24.20	29.10	34.70	41.00	43.80	48.30	52.20	56.40	65.50	75.70	
45.0	7.66	9.86	12.40	15.40	18.85	22.90	27.50	32.80	38.90	41.60	45.80	49.60	53.60	62.40	72.10	
50.0	7.06	9.16	11.55	14.40	17.65	21.50	25.90	30.90	36.70	39.20	43.30	46.90	50.80	59.10	68.50	
55.0		8.45	10.70	13.35	16.45	20.00	24.20	28.90	34.40	36.90	40.70	44.20	47.80	55.80	64.80	
60.0			9.86	12.30	15.20	18.55	22.40	26.90	32.10	34.40	38.10	41.30	44.80	52.50	61.00	
65.0				11.25	13.90	17.00	20.60	24.90	29.70	31.90	35.30	38.40	41.70	49.00		
70.0					15.50	18.85	22.80	27.30	29.30	32.60	35.50	38.60				
75.0						17.00	20.60	24.90	26.80	29.80	32.50	35.50				

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	4.63	4.78	4.91	5.05	5.21	5.39	5.62	5.91							
15.0	4.95	5.12	5.27	5.41	5.56	5.73	5.94	6.19	6.51						
20.0	5.27	5.48	5.65	5.80	5.96	6.12	6.31	6.54	6.82	6.95	7.17				
25.0	5.61	5.85	6.05	6.23	6.39	6.56	6.74	6.96	7.21	7.33	7.52	7.71	7.91		
30.0	5.95	6.24	6.49	6.69	6.88	7.05	7.24	7.44	7.68	7.79	7.97	8.13	8.31	8.74	
35.0	6.31	6.66	6.95	7.19	7.41	7.60	7.80	8.00	8.23	8.33	8.50	8.65	8.82	9.21	9.67
40.0	6.69	7.10	7.45	7.74	7.99	8.21	8.43	8.64	8.87	8.97	9.13	9.27	9.43	9.78	10.20
45.0	7.09	7.57	7.98	8.33	8.63	8.89	9.13	9.36	9.59	9.69	9.85	9.99	10.15	10.50	10.85
50.0	7.51	8.08	8.56	8.97	9.32	9.63	9.90	10.15	10.40	10.50	10.65	10.80	10.95	11.30	11.65
55.0		8.61	9.18	9.66	10.05	10.45	10.75	11.05	11.30	11.45	11.60	11.75	11.90	12.20	12.60
60.0			9.84	10.40	10.90	11.30	11.70	12.00	12.35	12.45	12.65	12.80	12.95	13.25	13.60
65.0				11.20	11.75	12.25	12.70	13.10	13.45	13.55	13.75	13.95	14.10	14.45	
70.0						13.30	13.80	14.25	14.65	14.80	15.00	15.20	15.40		
75.0							15.00	15.50	15.95	16.15	16.40	16.60	16.80		

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	10.28	10.44	10.59	10.75	10.93	11.16	11.46	11.84							
15.0	10.66	10.86	11.03	11.19	11.37	11.58	11.84	12.18	12.60						
20.0	11.05	11.30	11.50	11.68	11.87	12.07	12.31	12.61	12.98	13.16	13.46				
25.0	11.45	11.76	12.01	12.22	12.43	12.63	12.87	13.14	13.48	13.64	13.91	14.16	14.44		
30.0	11.87	12.25	12.56	12.82	13.05	13.28	13.52	13.79	14.11	14.25	14.50	14.72	14.98	15.56	
35.0	12.31	12.78	13.16	13.48	13.76	14.02	14.27	14.55	14.86	15.00	15.23	15.44	15.67	16.21	16.86
40.0	12.79	13.35	13.82	14.21	14.55	14.85	15.14	15.43	15.74	15.88	16.10	16.30	16.52	17.02	17.63
45.0	13.29	13.97	14.53	15.01	15.42	15.78	16.12	16.44	16.77	16.91	17.13	17.33	17.54	18.02	18.59
50.0	13.84	14.64	15.32	15.90	16.39	16.83	17.21	17.58	17.94	18.09	18.32	18.52	18.73	19.20	19.74
55.0		15.38	16.18	16.87	17.46	17.98	18.44	18.86	19.27	19.43	19.68	19.89	20.11	20.58	21.11
60.0			17.13	17.94	18.64	19.26	19.80	20.29	20.75	20.94	21.21	21.43	21.66	22.15	22.68
65.0				19.10	19.93	20.66	21.30	21.87	22.41	22.61	22.91	23.16	23.41	23.93	
70.0						22.19	22.94	23.61	24.23	24.46	24.80	25.08	25.36		
75.0							24.73	25.52	26.23	26.50	26.89	27.20	27.51		

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	33.10	40.20	48.60	58.30	69.50	82.40	96.90	113.00							
15.0	33.00	40.20	48.60	58.40	69.70	82.50	97.10	113.50	131.50						
20.0	32.70	40.00	48.50	58.40	69.70	82.50	97.10	113.50	131.50	139.50	152.00				
25.0	32.30	39.80	48.40	58.20	69.50	82.40	96.90	113.00	131.50	139.00	151.50	162.50	174.00		
30.0	31.90	39.40	48.10	58.00	69.30	82.10	96.60	113.00	131.00	139.00	151.00	162.00	173.50	198.00	
35.0	31.40	39.00	47.70	57.60	68.90	81.70	96.10	112.50	130.50	138.00	150.50	161.50	172.50	197.00	224.00
40.0	30.80	38.50	47.20	57.10	68.40	81.10	95.50	111.50	129.50	137.50	149.50	160.50	172.00	196.00	223.00
45.0	30.20	38.00	46.70	56.50	67.70	80.30	94.60	110.50	128.50	136.50	148.50	159.50	170.50	195.00	222.00
50.0	29.50	37.30	46.00	55.80	66.90	79.40	93.60	109.50	127.50	135.00	147.50	158.00	169.50	193.50	220.00
55.0		36.60	45.30	55.00	66.00	78.40	92.40	108.50	126.00	133.50	146.00	156.50	168.00	192.00	219.00
60.0			44.50	54.10	64.90	77.20	91.10	107.00	124.50	132.00	144.00	155.00	166.00	190.50	217.00
65.0				53.00	63.70	75.80	89.50	105.00	122.50	130.00	142.00	153.00	164.00	188.50	
70.0					74.30	87.80	103.00	120.50	128.00	140.00	151.00	162.00			
75.0						86.00	101.00	118.50	126.00	138.00	149.00	160.00			

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)	Zerol RFL 68EP
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	69
Sound Power (HT), dBA	80
Sound Power with Sound Shell (HT), dBA	71
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	31
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