



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	12.90	16.05	19.85	24.30	29.60	35.70	42.80	50.90							
15.0	12.35	15.45	19.15	23.50	28.60	34.60	41.40	49.20	58.10						
20.0	11.80	14.80	18.40	22.60	27.60	33.30	39.90	47.50	56.00	59.80	65.70				
25.0	11.20	14.15	17.60	21.70	26.50	32.00	38.40	45.60	53.90	57.50	63.20	68.30	73.70		
30.0	10.55	13.45	16.80	20.70	25.30	30.60	36.70	43.70	51.70	55.10	60.60	65.50	70.70	82.00	
35.0	9.93	12.70	15.95	19.70	24.10	29.20	35.00	41.70	49.40	52.70	58.00	62.70	67.70	78.50	90.50
40.0	9.29	11.95	15.05	18.65	22.90	27.70	33.30	39.70	47.00	50.10	55.20	59.70	64.50	74.90	86.50
45.0	8.64	11.20	14.15	17.60	21.60	26.20	31.50	37.50	44.50	47.50	52.30	56.70	61.20	71.20	82.30
50.0	7.99	10.45	13.25	16.50	20.20	24.60	29.60	35.30	41.90	44.80	49.40	53.50	57.90	67.40	78.00
55.0		9.67	12.30	15.35	18.85	22.90	27.70	33.10	39.30	42.00	46.40	50.30	54.40	63.50	73.70
60.0		8.90	11.35	14.20	17.50	21.30	25.70	30.80	36.60	39.20	43.30	47.00	50.90	59.50	69.20
65.0				13.05	16.10	19.60	23.70	28.50	33.90	36.30	40.20	43.70	47.40	55.50	
70.0						17.90	21.70	26.10	31.20	33.40	37.00	40.30	43.80		
75.0							19.65	23.70	28.40	30.50	33.80	36.90	40.10		

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	5.14	5.30	5.47	5.68	5.93	6.24	6.61	7.07							
15.0	5.60	5.79	5.98	6.19	6.42	6.70	7.04	7.44	7.93						
20.0	6.03	6.25	6.47	6.68	6.92	7.18	7.49	7.86	8.29	8.49	8.81				
25.0	6.43	6.70	6.95	7.19	7.43	7.69	7.99	8.32	8.72	8.89	9.18	9.44	9.72		
30.0	6.80	7.13	7.43	7.70	7.97	8.24	8.53	8.84	9.21	9.37	9.63	9.86	10.10	10.70	
35.0	7.17	7.57	7.92	8.24	8.54	8.83	9.12	9.43	9.78	9.93	10.15	10.40	10.60	11.15	11.75
40.0	7.53	8.01	8.43	8.81	9.15	9.47	9.78	10.10	10.45	10.60	10.80	11.00	11.20	11.70	12.25
45.0	7.90	8.47	8.98	9.42	9.81	10.20	10.50	10.85	11.20	11.35	11.55	11.75	11.95	12.40	12.90
50.0	8.28	8.96	9.56	10.10	10.55	10.95	11.35	11.70	12.05	12.20	12.40	12.60	12.80	13.20	13.65
55.0		9.49	10.20	10.80	11.35	11.80	12.25	12.65	13.05	13.20	13.40	13.60	13.80	14.20	14.65
60.0		10.05	10.85	11.60	12.20	12.75	13.25	13.70	14.15	14.30	14.55	14.75	14.95	15.35	15.75
65.0				12.45	13.20	13.80	14.40	14.90	15.40	15.55	15.80	16.00	16.25	16.65	
70.0						15.00	15.65	16.25	16.75	16.95	17.25	17.45	17.70		
75.0							17.00	17.70	18.30	18.50	18.85	19.10	19.35		

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	17.37	17.41	17.48	17.59	17.75	17.99	18.31	18.73							
15.0	17.72	17.79	17.87	17.98	18.14	18.35	18.63	19.00	19.47						
20.0	18.02	18.13	18.25	18.37	18.53	18.73	18.99	19.32	19.73	19.93	20.25				
25.0	18.28	18.45	18.61	18.77	18.95	19.15	19.40	19.70	20.08	20.25	20.54	20.81	21.10		
30.0	18.52	18.76	18.98	19.19	19.40	19.63	19.88	20.17	20.53	20.69	20.95	21.19	21.46	22.07	
35.0	18.75	19.09	19.38	19.65	19.91	20.17	20.44	20.74	21.09	21.24	21.49	21.72	21.96	22.52	23.18
40.0	18.99	19.43	19.82	20.17	20.49	20.80	21.10	21.43	21.78	21.93	22.18	22.39	22.63	23.15	23.76
45.0	19.26	19.82	20.32	20.76	21.15	21.53	21.88	22.24	22.62	22.78	23.02	23.24	23.47	23.97	24.55
50.0	19.57	20.27	20.88	21.43	21.92	22.37	22.80	23.21	23.62	23.79	24.05	24.27	24.50	25.00	25.56
55.0		20.78	21.54	22.21	22.81	23.35	23.86	24.33	24.80	24.98	25.26	25.50	25.74	26.25	26.81
60.0		21.39	22.30	23.10	23.83	24.48	25.08	25.64	26.17	26.38	26.69	26.95	27.21	27.75	28.31
65.0				24.13	25.00	25.78	26.49	27.14	27.76	27.99	28.34	28.63	28.92	29.49	
70.0						27.25	28.09	28.85	29.56	29.84	30.24	30.56	30.88		
75.0							29.90	30.79	31.62	31.93	32.39	32.75	33.11		

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	37.20	45.50	55.20	66.50	79.60	94.50	111.50	130.50							
15.0	37.00	45.40	55.20	66.60	79.70	94.60	111.50	130.50	151.50						
20.0	36.70	45.20	55.10	66.50	79.60	94.50	111.50	130.50	151.50	160.50	174.50				
25.0	36.30	44.90	54.90	66.40	79.50	94.30	111.00	130.00	151.00	160.00	174.00	186.50	200.00		
30.0	35.80	44.60	54.60	66.10	79.20	94.00	110.50	129.50	150.00	159.00	173.50	186.00	199.00	227.00	
35.0	35.30	44.20	54.20	65.70	78.70	93.40	110.00	128.50	149.50	158.50	172.50	185.00	198.00	226.00	256.00
40.0	34.70	43.70	53.80	65.20	78.10	92.80	109.00	127.50	148.50	157.00	171.00	183.50	196.50	224.00	255.00
45.0	34.10	43.10	53.20	64.60	77.50	92.00	108.50	126.50	147.00	156.00	170.00	182.00	195.00	223.00	253.00
50.0	33.40	42.50	52.60	63.90	76.60	91.00	107.00	125.50	145.50	154.50	168.00	180.50	193.00	221.00	251.00
55.0		41.90	52.00	63.20	75.70	89.90	106.00	124.00	144.00	152.50	166.00	178.50	191.00	218.00	249.00
60.0		41.30	51.30	62.30	74.70	88.70	104.50	122.00	142.00	150.50	164.00	176.00	189.00	216.00	246.00
65.0				61.50	73.60	87.30	103.00	120.00	140.00	148.50	162.00	174.00	186.50	214.00	
70.0							85.90	101.00	118.00	137.50	146.00	159.50	171.00	184.00	
75.0								99.30	116.00	135.50	143.50	157.00	168.50	181.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	48.3
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	34
Locked Rotor Current, A	186
Winding Resistance, ohm	0.79
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