



Minimum Evaporating Temp. With:
— 10 K Suction Superheat
— Maximum Evaporating Temperature
 Drive Frequency Range 55 - 275 Hz

Suction Superheat 11.1K

Compressor Speed 50 1/s

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	30.0
15.0	2.27	2.79	3.38	4.08	4.89	5.84										
20.0	2.09	2.62	3.21	3.90	4.70	5.63	6.71	7.94								
25.0	1.92	2.45	3.04	3.72	4.51	5.42	6.47	7.67	9.06	9.67	10.65	11.50	12.45			
30.0	1.75	2.28	2.87	3.54	4.31	5.20	6.22	7.39	8.73	9.32	10.25	11.10	12.00	13.95		
35.0	1.60	2.12	2.70	3.36	4.11	4.96	5.95	7.09	8.39	8.96	9.87	10.70	11.55	13.45	15.60	
40.0	1.44	1.96	2.54	3.17	3.90	4.73	5.68	6.77	8.03	8.58	9.46	10.25	11.10	12.95	15.00	17.35
45.0	1.30	1.82	2.37	2.99	3.69	4.48	5.40	6.45	7.65	8.18	9.03	9.79	10.60	12.40	14.40	16.65
50.0	1.18	1.68	2.22	2.81	3.48	4.24	5.11	6.11	7.26	7.77	8.58	9.31	10.10	11.80	13.75	15.90
55.0	1.06	1.55	2.07	2.63	3.26	3.99	4.81	5.77	6.86	7.34	8.12	8.82	9.56	11.20	13.05	15.15
60.0	0.97	1.44	1.92	2.46	3.06	3.73	4.51	5.41	6.45	6.91	7.64	8.31	9.01	10.60	12.35	14.35
65.0			1.80	2.29	2.85	3.48	4.21	5.05	6.03	6.46	7.15	7.78	8.45	9.94	11.65	13.55
70.0				2.14	2.65	3.23	3.91	4.69	5.60	6.00	6.66	7.25	7.88	9.29	10.90	12.75
75.0					2.46	2.99	3.61	4.33	5.17	5.55	6.16	6.71	7.30	8.63	10.15	
80.0							3.32	3.97	4.75	5.09	5.66	6.17	6.73	7.97		

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	30.0
15.0	0.96	0.96	0.97	0.97	0.97	0.97										
20.0	1.05	1.06	1.06	1.08	1.08	1.08	1.09	1.10								
25.0	1.14	1.16	1.18	1.18	1.20	1.21	1.22	1.22	1.22	1.22	1.22	1.22	1.22			
30.0	1.23	1.26	1.28	1.30	1.32	1.34	1.35	1.36	1.36	1.36	1.36	1.36	1.36	1.35	1.34	
35.0	1.32	1.36	1.40	1.43	1.46	1.48	1.50	1.50	1.51	1.51	1.50	1.50	1.50	1.49	1.47	
40.0	1.40	1.46	1.51	1.56	1.60	1.62	1.64	1.66	1.67	1.68	1.68	1.67	1.66	1.66	1.64	1.60
45.0	1.49	1.56	1.64	1.69	1.74	1.78	1.81	1.84	1.85	1.85	1.86	1.86	1.85	1.84	1.82	1.78
50.0	1.58	1.68	1.76	1.83	1.90	1.94	1.98	2.02	2.04	2.04	2.05	2.05	2.05	2.04	2.02	1.99
55.0	1.68	1.78	1.88	1.98	2.05	2.12	2.17	2.21	2.24	2.25	2.26	2.26	2.27	2.26	2.24	2.21
60.0	1.76	1.90	2.02	2.13	2.22	2.30	2.37	2.42	2.46	2.47	2.48	2.49	2.50	2.50	2.48	2.46
65.0			2.16	2.28	2.39	2.49	2.57	2.64	2.69	2.71	2.73	2.74	2.75	2.75	2.74	2.72
70.0				2.44	2.58	2.69	2.79	2.87	2.93	2.95	2.98	3.00	3.01	3.03	3.03	3.01
75.0					2.76	2.90	3.01	3.11	3.19	3.22	3.25	3.27	3.29	3.32	3.33	
80.0							3.25	3.36	3.46	3.49	3.54	3.57	3.59	3.63		

Cond °C	Inverter 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	30.0
15.0	1.27	1.40	1.51	1.59	1.66	1.71										
20.0	1.45	1.58	1.68	1.77	1.84	1.90	1.93	1.95								
25.0	1.62	1.75	1.86	1.95	2.02	2.08	2.11	2.14	2.14	2.14	2.13	2.12	2.11			
30.0	1.78	1.92	2.03	2.12	2.20	2.26	2.30	2.33	2.34	2.34	2.33	2.33	2.32	2.29		
35.0	1.95	2.09	2.20	2.30	2.38	2.44	2.49	2.52	2.54	2.54	2.54	2.54	2.53	2.51	2.47	
40.0	2.12	2.26	2.38	2.48	2.57	2.64	2.69	2.73	2.76	2.76	2.77	2.77	2.76	2.75	2.72	2.68
45.0	2.30	2.44	2.57	2.68	2.77	2.85	2.91	2.95	2.99	2.99	3.00	3.01	3.01	3.00	2.99	2.96
50.0	2.49	2.64	2.77	2.89	2.99	3.07	3.14	3.19	3.23	3.25	3.26	3.27	3.28	3.28	3.27	3.25
55.0	2.69	2.85	2.99	3.11	3.22	3.31	3.39	3.45	3.50	3.52	3.54	3.56	3.57	3.58	3.59	3.58
60.0	2.91	3.08	3.23	3.36	3.47	3.58	3.66	3.74	3.80	3.82	3.85	3.87	3.88	3.91	3.93	3.93
65.0			3.48	3.63	3.75	3.87	3.96	4.05	4.12	4.15	4.18	4.21	4.23	4.27	4.30	4.32
70.0				3.92	4.06	4.19	4.30	4.39	4.48	4.51	4.55	4.58	4.61	4.67	4.71	4.74
75.0					4.40	4.54	4.66	4.77	4.87	4.91	4.96	5.00	5.03	5.10	5.16	
80.0							5.06	5.19	5.30	5.34	5.40	5.45	5.49	5.57		

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	30.0
15.0	6.79	8.19	9.76	11.55	13.60	16.00										
20.0	6.50	7.98	9.63	11.50	13.60	16.00	18.70	21.80								
25.0	6.22	7.78	9.48	11.40	13.55	15.95	18.75	21.80	25.40	26.90	29.30	31.40	33.70			
30.0	5.94	7.57	9.34	11.30	13.50	15.95	18.70	21.90	25.40	26.90	29.30	31.50	33.80	38.70		
35.0	5.66	7.37	9.19	11.20	13.40	15.90	18.70	21.80	25.40	26.90	29.40	31.50	33.80	38.70	44.20	
40.0	5.40	7.18	9.05	11.10	13.35	15.85	18.65	21.80	25.40	26.90	29.30	31.50	33.80	38.70	44.20	50.30
45.0	5.16	7.00	8.92	11.00	13.25	15.75	18.60	21.70	25.30	26.80	29.30	31.50	33.70	38.70	44.20	50.30
50.0	4.94	6.85	8.81	10.90	13.15	15.70	18.50	21.70	25.20	26.80	29.20	31.40	33.70	38.60	44.20	50.30
55.0	4.76	6.73	8.73	10.85	13.10	15.60	18.40	21.60	25.10	26.60	29.10	31.30	33.50	38.50	44.10	50.20
60.0	4.63	6.66	8.69	10.80	13.05	15.55	18.35	21.50	25.00	26.50	28.90	31.10	33.40	38.40	44.00	50.10
65.0			8.71	10.80	13.05	15.50	18.25	21.30	24.80	26.40	28.80	31.00	33.20	38.20	43.80	50.00
70.0				10.90	13.10	15.50	18.20	21.30	24.70	26.20	28.60	30.80	33.10	38.10	43.70	50.00
75.0					13.25	15.60	18.25	21.20	24.60	26.10	28.50	30.70	33.00	38.00	43.60	
80.0							18.40	21.30	24.70	26.10	28.50	30.70	33.00	38.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	8.40
Length/Width, mm	194/216
Height, mm	368
Net Weight, kg	17.5
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Drive Frequency Range, Hz	55 - 275
Compressor Speed Range, 1/min	1100 - 5500
Oil Quantity, l	0.74
Oil type (original charge)	Zerol RFL 68EP
Oil type (approved oils)	Zerol RFL 68EP
Base mounting (hole dia), mm	152 x 132 (0)
Sound Pressure @ 1m (HT), dBA	56
Sound Power (HT), dBA	67
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 60 Hz
PED Category	1
Max. Low Side Internal Free Volume, l	2.0
Max. High Side Internal Free Volume, l	0.3
Max. Internal Free Volume, l	2.30
High Side PS gauge, bar	42
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
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	26
Winding Resistance, ohm	0.58/0.58/0.58 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	Not Available

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
9E9	380-420 V / 3~ / 50 Hz	400	Y		1.00