



Minimum Evaporating Temp. With:
— 10 K Suction Superheat
— Maximum Evaporating Temperature
 Drive Frequency Range 60 - 360 Hz

Suction Superheat 11.1K

Compressor Speed 50 1/s

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW													
	-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	1.68	1.92	2.18	2.46	2.78	3.15	3.57							
15.0	1.38	1.67	1.97	2.30	2.66	3.07	3.54	4.08						
20.0	1.12	1.44	1.78	2.14	2.54	2.99	3.49	4.07	4.32	4.72				
25.0	0.90	1.25	1.60	1.99	2.41	2.89	3.42	4.02	4.29	4.70	5.08	5.48		
30.0	0.71	1.07	1.44	1.84	2.29	2.78	3.33	3.95	4.22	4.66	5.04	5.45	6.34	
35.0	0.56	0.92	1.30	1.72	2.16	2.66	3.23	3.86	4.13	4.57	4.96	5.37	6.28	7.30
40.0	0.44	0.80	1.18	1.59	2.04	2.54	3.10	3.73	4.01	4.45	4.84	5.26	6.17	7.19
45.0	0.36	0.71	1.08	1.48	1.92	2.41	2.96	3.59	3.86	4.29	4.68	5.10	6.00	7.02
50.0	0.31	0.64	0.99	1.37	1.79	2.26	2.80	3.41	3.68	4.10	4.49	4.89	5.78	6.79
55.0	0.31	0.61	0.93	1.28	1.67	2.12	2.63	3.21	3.47	3.88	4.25	4.65	5.52	6.50
60.0	0.35	0.61	0.89	1.20	1.56	1.96	2.44	2.99	3.23	3.62	3.98	4.36	5.20	6.15
65.0	0.44	0.64	0.87	1.14	1.44	1.80	2.23	2.74	2.97	3.33	3.67	4.02	4.83	5.74
70.0			0.88	1.08	1.34	1.64	2.01	2.47	2.67	3.01	3.32	3.65	4.40	5.28
75.0				1.06	1.24	1.48	1.78	2.17	2.35	2.65	2.93	3.23		

Cond °C	Power, kW													
	-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	0.45	0.44	0.43	0.43	0.42	0.42	0.43							
15.0	0.47	0.47	0.47	0.47	0.47	0.47	0.48	0.49						
20.0	0.50	0.50	0.51	0.51	0.52	0.53	0.54	0.55	0.55	0.56				
25.0	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.62	0.62	0.63	0.63	0.64		
30.0	0.58	0.60	0.61	0.63	0.64	0.66	0.68	0.69	0.69	0.70	0.71	0.71	0.72	
35.0	0.62	0.65	0.68	0.70	0.72	0.74	0.75	0.77	0.77	0.78	0.79	0.79	0.80	0.81
40.0	0.68	0.71	0.74	0.77	0.80	0.82	0.84	0.86	0.86	0.87	0.87	0.88	0.89	0.89
45.0	0.74	0.78	0.82	0.85	0.88	0.91	0.93	0.95	0.95	0.96	0.97	0.97	0.98	0.98
50.0	0.81	0.86	0.90	0.94	0.98	1.01	1.03	1.05	1.06	1.06	1.07	1.08	1.08	1.08
55.0	0.89	0.94	0.99	1.03	1.08	1.11	1.14	1.16	1.16	1.17	1.18	1.18	1.18	1.18
60.0	0.97	1.03	1.09	1.14	1.18	1.22	1.25	1.27	1.28	1.28	1.29	1.30	1.30	1.29
65.0	1.06	1.13	1.20	1.25	1.30	1.34	1.36	1.39	1.40	1.40	1.41	1.42	1.42	1.40
70.0			1.30	1.36	1.42	1.46	1.50	1.52	1.52	1.54	1.54	1.54	1.54	1.53
75.0				1.48	1.54	1.59	1.62	1.66	1.66	1.67	1.68	1.68		

Cond °C	Inverter Current at 230 V, A													
	-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	2.00	2.02	1.99	1.90	1.77	1.60	1.39							
15.0	2.70	2.75	2.74	2.68	2.57	2.42	2.24	2.04						
20.0	3.30	3.36	3.37	3.33	3.25	3.13	2.97	2.79	2.71	2.59				
25.0	3.81	3.89	3.92	3.90	3.84	3.74	3.61	3.45	3.38	3.27	3.18	3.08		
30.0	4.26	4.35	4.40	4.40	4.35	4.28	4.17	4.03	3.97	3.88	3.80	3.71	3.54	
35.0	4.67	4.78	4.84	4.86	4.83	4.77	4.68	4.57	4.52	4.44	4.36	4.29	4.14	3.99
40.0	5.07	5.19	5.27	5.30	5.28	5.24	5.17	5.07	5.03	4.96	4.90	4.84	4.71	4.58
45.0	5.49	5.62	5.70	5.74	5.74	5.72	5.66	5.58	5.55	5.49	5.44	5.38	5.28	5.17
50.0	5.94	6.08	6.17	6.22	6.23	6.22	6.17	6.11	6.08	6.03	5.99	5.95	5.86	5.77
55.0	6.45	6.60	6.70	6.75	6.78	6.77	6.74	6.69	6.67	6.63	6.59	6.56	6.48	6.41
60.0	7.05	7.20	7.30	7.37	7.40	7.40	7.38	7.34	7.32	7.29	7.26	7.23	7.17	7.12
65.0	7.76	7.91	8.02	8.09	8.12	8.13	8.12	8.09	8.07	8.05	8.02	8.00	7.95	7.91
70.0			8.87	8.94	8.98	8.99	8.98	8.96	8.95	8.93	8.91	8.89	8.85	8.82
75.0				9.94	9.98	9.99	9.99	9.97	9.96	9.95	9.93	9.92		

Cond °C	Suction Mass Flow, g/s														
	-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	4.75	5.34	5.96	6.62	7.36	8.20	9.17								
15.0	4.07	4.81	5.58	6.40	7.29	8.28	9.39	10.65							
20.0	3.44	4.32	5.23	6.18	7.21	8.33	9.58	11.00	11.60	12.55					
25.0	2.87	3.88	4.90	5.97	7.12	8.36	9.74	11.25	11.90	12.95	13.85	14.85			
30.0	2.36	3.48	4.60	5.78	7.02	8.38	9.86	11.50	12.20	13.30	14.30	15.30	17.55		
35.0	1.94	3.13	4.34	5.59	6.93	8.37	9.94	11.65	12.40	13.60	14.60	15.70	18.05	20.70	
40.0	1.60	2.85	4.12	5.43	6.83	8.33	9.98	11.80	12.55	13.80	14.90	16.00	18.45	21.20	
45.0	1.38	2.65	3.95	5.29	6.73	8.28	9.98	11.85	12.65	13.95	15.05	16.20	18.75	21.60	
50.0	1.28	2.55	3.84	5.19	6.63	8.20	9.93	11.85	12.65	13.95	15.10	16.30	18.95	21.80	
55.0	1.35	2.57	3.82	5.13	6.54	8.10	9.82	11.75	12.60	13.90	15.05	16.30	19.00	22.00	
60.0	1.64	2.75	3.90	5.12	6.47	7.97	9.66	11.55	12.40	13.70	14.90	16.15	18.85	21.90	
65.0	2.20	3.13	4.11	5.19	6.42	7.82	9.44	11.30	12.10	13.40	14.60	15.85	18.55	21.60	
70.0			4.51	5.37	6.40	7.64	9.13	10.90	11.65	12.95	14.10	15.35	18.05	21.20	
75.0				5.69	6.44	7.44	8.74	10.35	11.10	12.30	13.40	14.60			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	3.86
Length/Width, mm	194/216
Height, mm	335
Net Weight, kg	15.9
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Drive Frequency Range, Hz	60 - 360
Compressor Speed Range, 1/min	1200 - 7200
Oil Quantity, l	0.74
Oil type (original charge)	POE Hatcol 4467
Oil type (approved oils)	POE Hatcol 4467
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 75 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	2.90
High Side PS gauge, bar	32
Low Side PS gauge, bar	17
Low Side TS Max., °C	43
Low Side TS Min., °C	-35
Refrigerant's GWP	3
Refrigerant's classification	A3

COMPRESSOR ELECTRICAL DATA (220-240 V / 1~ / 50 Hz)

Maximum Operating Current, A	15
Locked Rotor Current, A	23
Winding Resistance, ohm	0.72/0.72/0.72 (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
3E9	220-240 V / 1~ / 50 Hz	230	PSC		1.00