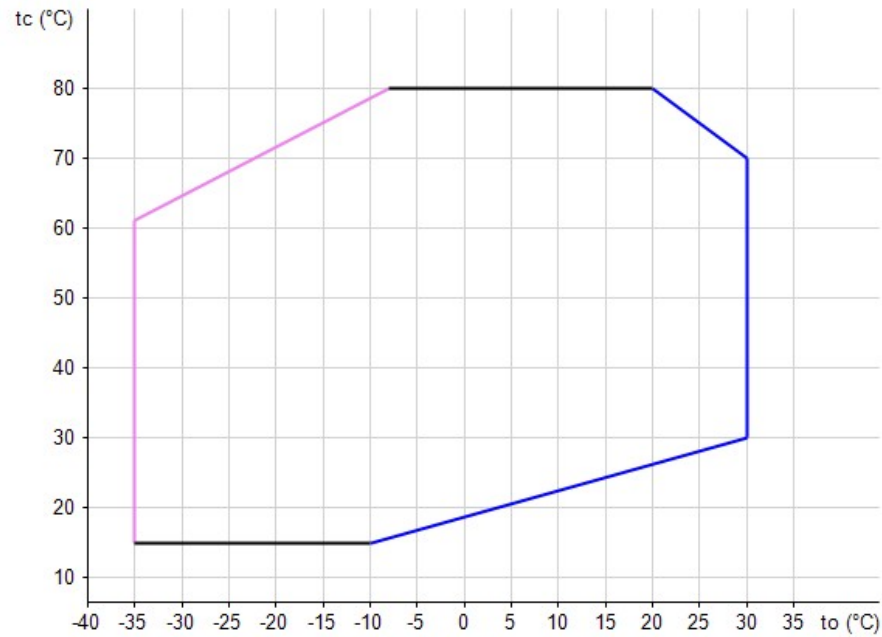




Minimum Evaporating Temp. With:

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	4.80	5.84	7.08	8.53	10.20	12.15										
20.0	4.47	5.52	6.76	8.20	9.86	11.80	14.00	16.45								
25.0	4.16	5.21	6.44	7.86	9.50	11.40	13.55	16.00	18.75	19.95	21.90	23.50	25.30			
30.0	3.87	4.91	6.12	7.52	9.13	11.00	13.10	15.50	18.20	19.35	21.20	22.90	24.60	28.40		
35.0	3.60	4.62	5.81	7.17	8.74	10.55	12.60	14.95	17.55	18.70	20.50	22.10	23.80	27.50	31.60	
40.0	3.35	4.35	5.49	6.82	8.34	10.10	12.05	14.35	16.90	18.00	19.75	21.30	23.00	26.60	30.50	34.90
45.0	3.12	4.08	5.18	6.46	7.92	9.60	11.50	13.70	16.15	17.25	18.95	20.50	22.10	25.50	29.40	33.70
50.0	2.91	3.83	4.88	6.09	7.49	9.10	10.95	13.05	15.40	16.45	18.10	19.55	21.10	24.50	28.20	32.30
55.0	2.72	3.58	4.58	5.72	7.05	8.57	10.35	12.35	14.60	15.60	17.20	18.60	20.10	23.30	26.90	30.90
60.0	2.55	3.36	4.28	5.35	6.59	8.03	9.68	11.60	13.75	14.70	16.20	17.55	19.00	22.10	25.60	29.40
65.0			3.99	4.98	6.12	7.46	9.01	10.80	12.85	13.75	15.20	16.45	17.85	20.80	24.20	27.90
70.0				4.60	5.65	6.88	8.32	9.99	11.90	12.75	14.10	15.35	16.65	19.45	22.70	26.20
75.0					5.16	6.28	7.60	9.14	10.95	11.75	13.00	14.15	15.40	18.10	21.10	
80.0							6.86	8.28	9.94	10.70	11.85	12.95	14.10	16.65		

Cond	Power, kW																
°C	-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	1.92	1.98	2.00	2.00	1.99	1.95											
20.0	2.12	2.19	2.23	2.25	2.26	2.24	2.20	2.14									
25.0	2.30	2.39	2.45	2.49	2.52	2.52	2.50	2.46	2.40	2.37	2.31	2.26	2.21				
30.0	2.48	2.58	2.67	2.73	2.77	2.79	2.79	2.76	2.72	2.70	2.66	2.62	2.57	2.47			
35.0	2.66	2.78	2.88	2.96	3.02	3.06	3.07	3.07	3.05	3.03	3.00	2.97	2.94	2.85	2.74		
40.0	2.84	2.98	3.10	3.19	3.27	3.33	3.37	3.38	3.38	3.37	3.35	3.33	3.30	3.24	3.15	3.04	
45.0	3.02	3.18	3.32	3.44	3.54	3.61	3.67	3.70	3.72	3.71	3.71	3.70	3.68	3.63	3.56	3.47	
50.0	3.23	3.40	3.56	3.70	3.81	3.91	3.98	4.04	4.07	4.07	4.08	4.08	4.07	4.04	3.99	3.92	
55.0	3.45	3.65	3.82	3.98	4.11	4.22	4.32	4.39	4.44	4.45	4.47	4.48	4.48	4.47	4.44	4.38	
60.0	3.70	3.91	4.10	4.28	4.43	4.56	4.68	4.77	4.84	4.86	4.88	4.90	4.91	4.92	4.91	4.87	
65.0			4.42	4.61	4.78	4.93	5.06	5.17	5.26	5.29	5.33	5.35	5.38	5.40	5.41	5.39	
70.0				4.98	5.17	5.34	5.49	5.61	5.72	5.76	5.81	5.84	5.87	5.92	5.94	5.95	
75.0					5.59	5.78	5.95	6.09	6.22	6.27	6.33	6.37	6.41	6.47	6.52		
80.0							6.45	6.62	6.77	6.82	6.89	6.94	6.99	7.07			

Cond	Inverter Current at 400 V, A																
°C	-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	3.65	3.71	3.74	3.74	3.72	3.68											
20.0	4.07	4.15	4.21	4.24	4.24	4.22	4.18	4.10									
25.0	4.43	4.54	4.62	4.68	4.71	4.71	4.69	4.65	4.57	4.54	4.48	4.42	4.35				
30.0	4.75	4.89	5.00	5.08	5.13	5.16	5.17	5.15	5.10	5.07	5.03	4.98	4.93	4.80			
35.0	5.05	5.21	5.34	5.45	5.53	5.59	5.62	5.62	5.60	5.58	5.55	5.52	5.48	5.38	5.25		
40.0	5.33	5.51	5.67	5.81	5.91	5.99	6.05	6.08	6.08	6.08	6.06	6.04	6.01	5.94	5.84	5.71	
45.0	5.61	5.82	6.00	6.16	6.29	6.40	6.48	6.53	6.56	6.57	6.57	6.56	6.54	6.49	6.42	6.32	
50.0	5.89	6.13	6.34	6.52	6.68	6.81	6.92	7.00	7.05	7.07	7.08	7.08	7.08	7.06	7.01	6.94	
55.0	6.20	6.46	6.70	6.91	7.09	7.25	7.38	7.48	7.56	7.59	7.62	7.63	7.65	7.65	7.62	7.57	
60.0	6.55	6.83	7.09	7.33	7.54	7.72	7.87	8.01	8.11	8.15	8.19	8.22	8.24	8.27	8.27	8.25	
65.0			7.54	7.79	8.03	8.24	8.42	8.57	8.70	8.75	8.81	8.85	8.89	8.94	8.97	8.97	
70.0				8.32	8.58	8.81	9.02	9.20	9.36	9.41	9.49	9.54	9.59	9.67	9.72	9.75	
75.0					9.21	9.47	9.70	9.91	10.09	10.15	10.24	10.31	10.37	10.47	10.55		
80.0							10.46	10.69	10.90	10.97	11.08	11.16	11.23	11.36			

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	14.35	17.15	20.40	24.20	28.40	33.30										
20.0	13.90	16.85	20.20	24.10	28.50	33.40	39.00	45.20								
25.0	13.50	16.55	20.10	24.00	28.50	33.60	39.20	45.50	52.50	55.50	60.20	64.30	68.70			
30.0	13.10	16.30	19.90	24.00	28.50	33.70	39.40	45.80	52.90	55.90	60.70	64.80	69.20	78.50		
35.0	12.80	16.05	19.75	23.90	28.50	33.70	39.60	46.00	53.10	56.20	61.00	65.20	69.70	79.10	89.40	
40.0	12.50	15.85	19.60	23.80	28.50	33.80	39.60	46.10	53.40	56.40	61.30	65.60	70.00	79.50	89.90	101.00
45.0	12.30	15.70	19.50	23.70	28.50	33.80	39.70	46.20	53.50	56.60	61.50	65.80	70.30	79.90	90.40	102.00
50.0	12.15	15.60	19.40	23.60	28.40	33.70	39.60	46.20	53.50	56.60	61.60	65.90	70.40	80.10	90.70	102.00
55.0	12.15	15.55	19.35	23.60	28.30	33.60	39.50	46.10	53.40	56.60	61.50	65.90	70.40	80.20	90.90	102.50
60.0	12.20	15.60	19.30	23.50	28.20	33.40	39.30	45.90	53.30	56.40	61.40	65.80	70.40	80.20	91.00	103.00
65.0			19.35	23.40	28.00	33.20	39.10	45.60	53.00	56.10	61.10	65.50	70.10	80.10	91.00	103.00
70.0				23.40	27.90	33.00	38.80	45.30	52.60	55.80	60.80	65.20	69.80	79.90	90.90	103.00
75.0					27.80	32.70	38.40	44.80	52.10	55.30	60.30	64.80	69.40	79.60	90.70	
80.0							38.00	44.40	51.60	54.80	59.90	64.30	69.10	79.30		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	16.9
Length/Width, mm	261/228
Height, mm	435
Net Weight, kg	29.5
Stub Suction, inch	7/8
Stub Discharge, inch	3/4
Drive Frequency Range, Hz	55 - 275
Compressor Speed Range, 1/min	1100 - 5500
Oil Quantity, l	1.18
Oil type (original charge)	Zerol RFL 68EP
Oil type (approved oils)	Zerol RFL 68EP
Sound Pressure @ 1m (HT), dBA	59
Sound Power (HT), dBA	70
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 60 Hz
PED Category	2
Max. Low Side Internal Free Volume, l	3.9
Max. High Side Internal Free Volume, l	0.6
Max. Internal Free Volume, l	4.50
High Side PS gauge, bar	42
Low Side PS gauge, bar	30
Low Side TS Max., °C	70
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	28
Locked Rotor Current, A	41
Winding Resistance, ohm	0.3/0.3/0.3 (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
4E9	380-420 V / 3~ / 50 Hz	400	Y		1.00
4X9	380-420 V / 3~ / 50 Hz	400	Y		1.00