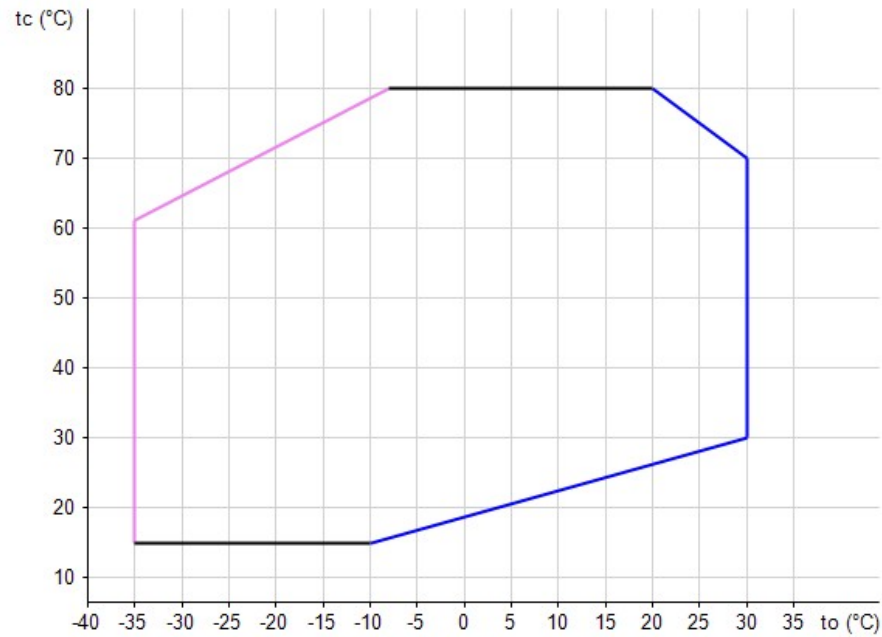




Minimum Evaporating Temp. With:

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 °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	1.84	1.90	1.92	1.92	1.91	1.88										
20.0	2.03	2.10	2.15	2.17	2.17	2.16	2.12	2.06								
25.0	2.21	2.29	2.36	2.40	2.42	2.42	2.40	2.36	2.30	2.27	2.22	2.17	2.11			
30.0	2.38	2.48	2.56	2.62	2.66	2.68	2.68	2.66	2.62	2.59	2.55	2.51	2.47	2.36		
35.0	2.54	2.67	2.77	2.85	2.90	2.94	2.96	2.95	2.93	2.91	2.88	2.85	2.82	2.73	2.62	
40.0	2.71	2.85	2.97	3.07	3.15	3.20	3.24	3.25	3.25	3.24	3.22	3.20	3.17	3.10	3.01	2.90
45.0	2.89	3.05	3.19	3.31	3.40	3.47	3.53	3.56	3.57	3.57	3.56	3.55	3.53	3.48	3.41	3.31
50.0	3.09	3.26	3.42	3.55	3.67	3.76	3.83	3.88	3.91	3.92	3.92	3.92	3.91	3.87	3.82	3.75
55.0	3.30	3.49	3.67	3.82	3.95	4.06	4.15	4.22	4.27	4.28	4.30	4.30	4.30	4.29	4.25	4.19
60.0	3.53	3.74	3.94	4.11	4.26	4.39	4.50	4.58	4.65	4.67	4.69	4.71	4.72	4.72	4.71	4.67
65.0			4.24	4.43	4.59	4.74	4.87	4.97	5.06	5.09	5.12	5.15	5.17	5.19	5.19	5.17
70.0				4.78	4.96	5.13	5.28	5.40	5.50	5.54	5.59	5.62	5.65	5.69	5.71	5.70
75.0					5.37	5.56	5.72	5.86	5.99	6.03	6.09	6.13	6.17	6.22	6.26	
80.0							6.21	6.37	6.51	6.56	6.63	6.68	6.73	6.81		

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	6.61	6.76	6.84	6.85	6.79	6.66											
20.0	7.01	7.22	7.35	7.42	7.42	7.36	7.22	7.01									
25.0	7.43	7.70	7.89	8.02	8.08	8.07	7.99	7.85	7.63	7.52	7.34	7.18	6.99				
30.0	7.88	8.21	8.47	8.65	8.77	8.82	8.80	8.72	8.56	8.48	8.33	8.19	8.04	7.67			
35.0	8.38	8.76	9.08	9.33	9.51	9.61	9.65	9.63	9.53	9.47	9.36	9.25	9.12	8.82	8.44		
40.0	8.92	9.36	9.74	10.05	10.28	10.45	10.55	10.58	10.54	10.51	10.44	10.36	10.26	10.01	9.70	9.31	
45.0	9.51	10.02	10.45	10.82	11.11	11.34	11.50	11.59	11.61	11.60	11.56	11.51	11.45	11.26	11.00	10.68	
50.0	10.16	10.73	11.22	11.65	12.00	12.29	12.51	12.66	12.74	12.75	12.75	12.73	12.69	12.57	12.37	12.10	
55.0	10.88	11.51	12.06	12.55	12.96	13.31	13.59	13.80	13.93	13.97	14.00	14.01	14.01	13.94	13.80	13.59	
60.0	11.68	12.36	12.97	13.52	13.99	14.40	14.74	15.00	15.20	15.26	15.33	15.37	15.39	15.38	15.31	15.16	
65.0			13.96	14.57	15.10	15.57	15.96	16.29	16.55	16.63	16.74	16.81	16.86	16.91	16.89	16.80	
70.0				15.71	16.30	16.82	17.28	17.67	17.98	18.09	18.23	18.33	18.41	18.52	18.56	18.53	
75.0					17.59	18.17	18.69	19.13	19.51	19.64	19.82	19.95	20.06	20.23	20.33		
80.0							20.20	20.70	21.14	21.29	21.50	21.66	21.80	22.03			

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	79.40		

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
Winding Resistance, ohm	0.3/0.3/0.3 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	Not Available

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

50 1/s

YHV094RG-4X9

R290

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
4X9	380-420 V / 3~ / 50 Hz	400	Y		1.00