



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 20 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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
10.0	4.28	5.34	6.60	8.08	9.80					
15.0	4.08	5.12	6.34	7.79	9.46					
20.0	3.87	4.88	6.08	7.48	9.10	10.95				
25.0	3.65	4.64	5.80	7.15	8.72	10.55	12.60			
30.0	3.44	4.39	5.51	6.81	8.32	10.05	12.05	14.35	15.30	
35.0	3.21	4.13	5.21	6.46	7.90	9.57	11.50	13.65	14.60	16.15
40.0	2.99	3.87	4.90	6.09	7.47	9.07	10.90	13.00	13.90	15.35
45.0	2.77	3.61	4.58	5.71	7.02	8.54	10.30	12.30	13.15	14.55
50.0		3.34	4.26	5.32	6.56	8.00	9.65	11.55	12.40	13.70
55.0			3.93	4.93	6.09	7.44	9.00	10.80	11.60	12.85
60.0				4.53	5.61	6.87	8.33	10.00	10.75	11.95
65.0					5.12	6.28	7.64	9.22	9.91	11.05
70.0					4.62	5.69	6.94	8.40	9.04	10.10

50 Hz

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Cond °C	Power, kW									
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	1.70	1.72	1.74	1.75	1.77					
15.0	1.81	1.84	1.86	1.89	1.92					
20.0	1.94	1.98	2.01	2.04	2.07	2.11				
25.0	2.08	2.12	2.17	2.21	2.25	2.29	2.33			
30.0	2.24	2.29	2.34	2.39	2.43	2.48	2.53	2.58	2.59	
35.0	2.42	2.48	2.53	2.58	2.64	2.69	2.75	2.80	2.82	2.85
40.0	2.62	2.68	2.74	2.80	2.86	2.92	2.98	3.04	3.07	3.10
45.0	2.84	2.91	2.98	3.04	3.11	3.17	3.24	3.30	3.33	3.37
50.0		3.16	3.23	3.30	3.37	3.44	3.52	3.59	3.62	3.66
55.0			3.51	3.59	3.66	3.74	3.82	3.89	3.92	3.97
60.0				3.90	3.98	4.06	4.14	4.23	4.26	4.31
65.0					4.33	4.41	4.50	4.58	4.62	4.67
70.0					4.70	4.79	4.88	4.97	5.01	5.06

Cond °C	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
10.0	10.29	10.33	10.38	10.42	10.47					
15.0	10.63	10.71	10.78	10.86	10.94					
20.0	11.03	11.14	11.25	11.36	11.48	11.59				
25.0	11.51	11.65	11.79	11.94	12.08	12.23	12.38			
30.0	12.07	12.24	12.42	12.59	12.77	12.95	13.12	13.30	13.38	
35.0	12.73	12.93	13.13	13.33	13.54	13.75	13.96	14.17	14.25	14.38
40.0	13.48	13.71	13.94	14.17	14.41	14.65	14.89	15.13	15.22	15.37
45.0	14.34	14.60	14.86	15.12	15.39	15.65	15.92	16.19	16.30	16.46
50.0		15.61	15.89	16.18	16.48	16.77	17.07	17.36	17.48	17.66
55.0			17.05	17.37	17.69	18.01	18.34	18.66	18.79	18.98
60.0				18.69	19.04	19.38	19.73	20.08	20.22	20.44
65.0					20.52	20.90	21.27	21.65	21.80	22.02
70.0					22.16	22.56	22.96	23.36	23.52	23.76

50 Hz

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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
10.0	13.00	15.95	19.35	23.30	27.70					
15.0	12.90	15.85	19.30	23.30	27.80					
20.0	12.75	15.80	19.25	23.30	27.80	32.90				
25.0	12.60	15.70	19.20	23.20	27.80	32.90	38.60			
30.0	12.45	15.55	19.10	23.10	27.70	32.80	38.60	45.00	47.80	
35.0	12.25	15.40	18.95	23.00	27.60	32.70	38.50	44.90	47.70	52.00
40.0	12.05	15.20	18.80	22.80	27.40	32.60	38.30	44.70	47.50	51.90
45.0	11.85	15.05	18.60	22.70	27.20	32.30	38.10	44.50	47.30	51.60
50.0		14.85	18.40	22.40	27.00	32.10	37.80	44.20	47.00	51.40
55.0			18.20	22.20	26.70	31.80	37.50	43.90	46.70	51.00
60.0				21.90	26.40	31.50	37.20	43.50	46.30	50.60
65.0					26.10	31.10	36.80	43.10	45.90	50.20
70.0					25.80	30.80	36.40	42.70	45.50	49.90

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	14.4
Length/Width, mm	254/266
Height, mm	442
Net Weight, kg	36.5
Gross Weight, kg	38.4
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
Oil type (original charge)	POE Hatcol 4467
Oil type (approved oils)	POE Hatcol 4467
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	65
Sound Power (HT), dBA	76
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Low Side Internal Free Volume, l	6.4
Max. High Side Internal Free Volume, l	0.6
Max. Internal Free Volume, l	7.00
High Side PS gauge, bar	28
Low Side PS gauge, bar	17
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 (220-240 V / 1~ / 50 Hz)

Locked Rotor Current, A	150
Winding Resistance, ohm	1.92/0.42 (R/S)
Default Enclosure Class	IP 65 (IEC 60529)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Discharge Temperature Protection	Discharge line thermostat
Single Phase Equipment	Run Capacitor
Crankcase Heater	55 W External
Single Phase Equipment	Start Relay and Capacitor

50 Hz

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MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
PFZ	220-240 V / 1~ / 50 Hz	230		PSC	1.00