



Minimum evaporating temp. with:  
 ——— 25°C Suction Gas Return  
 - - - 10K Suction Superheat

Suction Superheat 10.0K

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	1.92	2.46	3.11	3.88	4.78	5.82	6.28	7.02	7.69	8.39
35	1.79	2.31	2.94	3.68	4.54	5.54	5.99	6.70	7.34	8.03
40	1.64	2.15	2.75	3.45	4.28	5.24	5.67	6.35	6.97	7.62
45		1.98	2.54	3.21	4.00	4.91	5.32	5.97	6.56	7.19
50			2.33	2.96	3.70	4.56	4.95	5.57	6.12	6.72
55				2.70	3.39	4.20	4.56	5.14	5.66	6.23
60					3.06	3.81	4.15	4.69	5.18	5.71
65					2.73	3.42	3.73	4.23	4.68	5.17
67						3.26	3.55	4.04	4.48	4.96
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	1.01	1.00	1.00	0.99	0.98	0.96	0.95	0.93	0.91	0.89
35	1.13	1.13	1.12	1.11	1.10	1.08	1.07	1.05	1.04	1.02
40	1.28	1.27	1.26	1.25	1.24	1.22	1.21	1.20	1.18	1.16
45		1.44	1.42	1.41	1.39	1.38	1.37	1.35	1.34	1.32
50			1.62	1.60	1.58	1.56	1.55	1.53	1.52	1.50
55				1.83	1.80	1.77	1.76	1.74	1.73	1.71
60					2.06	2.03	2.01	1.99	1.97	1.95
65					2.37	2.32	2.30	2.28	2.26	2.23
67						2.45	2.43	2.41	2.38	2.36
	Current 230V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	5.20	5.18	5.15	5.12	5.07	4.99	4.95	4.87	4.79	4.70
35	5.77	5.73	5.70	5.67	5.62	5.55	5.52	5.45	5.38	5.30
40	6.42	6.36	6.32	6.29	6.24	6.17	6.14	6.07	6.01	5.93
45		7.09	7.04	6.99	6.93	6.87	6.83	6.77	6.71	6.64
50			7.86	7.80	7.73	7.66	7.62	7.56	7.50	7.43
55				8.73	8.65	8.56	8.52	8.46	8.39	8.32
60					9.71	9.60	9.56	9.49	9.42	9.34
65					10.93	10.80	10.75	10.67	10.59	10.51
67						11.33	11.27	11.19	11.11	11.03
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	11.20	14.20	17.60	21.60	26.20	31.50	33.80	37.50	40.80	44.20
35	11.00	13.90	17.40	21.40	26.10	31.40	33.70	37.40	40.70	44.20
40	10.60	13.60	17.10	21.10	25.80	31.10	33.40	37.10	40.40	43.90
45		13.20	16.70	20.70	25.40	30.60	33.00	36.70	40.00	43.50
50			16.20	20.20	24.80	30.10	32.40	36.10	39.40	42.90
55				19.60	24.20	29.40	31.70	35.40	38.70	42.20
60					23.40	28.60	30.80	34.50	37.80	41.30
65					22.50	27.60	29.90	33.50	36.80	40.20
67						27.20	29.50	33.10	36.30	39.80

**Copeland Scroll - Compressor - Air Conditioning - Standard**
**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	5.3
Length/Width, mm	242/242
Height, mm	363
Net Weight, kg	22
Gross Weight, kg	26
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	54
Sound Power, dBA	65
PED Category	1
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50
Internal Free Volume, l	2.9

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

Maximum Operating Current, A	11.4
Locked Rotor Current, A	47
Start Winding Resistance, ohm	2.8
Winding Resistance, ohm	1.6
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70W External
Single Phase Equipment	Run Capacitor

**MOTOR OPTIONS**

<b>Power Supply</b>	<b>Nominal Voltage</b>	<b>Motor Code</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
220-240 V/1~/50H	230	PFJ		PSC	1.00
265 V/1~/60Hz	265	PFJ		PSC	0.75