



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
27	3.18	4.07	5.12	6.34	7.77	9.42	10.15	11.30	12.35
30	3.04	3.93	4.96	6.16	7.55	9.15	9.86	11.00	12.00
35	2.83	3.71	4.72	5.88	7.21	8.74	9.41	10.50	11.45
40	2.60	3.48	4.47	5.59	6.88	8.35	8.99	10.00	10.95
45		3.21	4.20	5.29	6.53	7.94	8.56	9.54	10.40
50			3.86	4.94	6.15	7.51	8.10	9.05	9.89
55			3.45	4.52	5.70	7.02	7.59	8.50	9.31
60				4.00	5.16	6.45	7.00	7.88	8.65
65					4.50	5.76	6.30	7.15	7.90
	Power Input kW								
	-20	-15	-10	-5	0	5	7	10	12.5
27	1.46	1.45	1.44	1.43	1.40	1.38	1.36	1.34	1.32
30	1.56	1.56	1.55	1.53	1.51	1.48	1.47	1.45	1.43
35	1.73	1.73	1.72	1.71	1.69	1.67	1.65	1.64	1.62
40	1.92	1.92	1.91	1.90	1.88	1.86	1.85	1.83	1.81
45		2.14	2.13	2.12	2.10	2.07	2.06	2.04	2.02
50			2.38	2.37	2.35	2.32	2.30	2.28	2.26
55			2.69	2.67	2.64	2.60	2.59	2.56	2.54
60				3.02	2.99	2.95	2.93	2.90	2.87
65					3.40	3.36	3.34	3.30	3.27
	Current 230V, A								
	-20	-15	-10	-5	0	5	7	10	12.5
27	7.20	7.16	7.12	7.05	6.95	6.82	6.76	6.65	6.55
30	7.61	7.58	7.54	7.48	7.40	7.28	7.22	7.11	7.01
35	8.33	8.31	8.27	8.22	8.14	8.03	7.97	7.87	7.78
40	9.14	9.11	9.07	9.02	8.94	8.83	8.77	8.68	8.59
45		10.05	10.00	9.94	9.85	9.73	9.68	9.58	9.48
50			11.12	11.03	10.93	10.80	10.74	10.63	10.53
55			12.47	12.37	12.24	12.09	12.01	11.90	11.79
60				13.99	13.83	13.65	13.56	13.43	13.31
65					15.76	15.54	15.44	15.29	15.15
	Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12.5
27	18.50	23.40	29.10	35.60	43.20	51.70	55.50	61.50	66.80
30	18.20	23.10	28.80	35.40	42.80	51.30	55.10	61.00	66.20
35	17.50	22.70	28.50	35.00	42.50	50.90	54.50	60.40	65.60
40	16.80	22.20	28.10	34.70	42.10	50.50	54.10	59.90	65.10
45		21.40	27.50	34.30	41.70	50.10	53.70	59.50	64.60
50			26.60	33.50	41.10	49.50	53.10	58.90	64.00
55			24.90	32.20	40.00	48.50	52.20	58.00	63.10
60				30.00	38.10	46.90	50.60	56.50	61.70
65					35.20	44.40	48.20	54.30	59.50

**Copeland Scroll - Compressor - Air Conditioning - Standard**

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	8.03
Length/Width, mm	246/246
Height, mm	400
Net Weight, kg	28.5
Gross Weight, kg	30
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	57
Sound Power (HT), dBA	68
PED Category	1
Internal Free Volume, l	2.6
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50

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

Maximum Operating Current, A	17.3
Locked Rotor Current, A	76
Winding Resistance, ohm	0.94/2.07 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Single Phase Equipment	Run Capacitor

**MOTOR OPTIONS**

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