



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	2.97	3.83	4.83	6.01	7.38	8.97	9.68	10.80	11.85	12.95
35	2.76	3.59	4.56	5.68	7.00	8.53	9.21	10.30	11.30	12.35
40	2.55	3.34	4.26	5.34	6.60	8.07	8.72	9.76	10.70	11.70
45		3.08	3.96	4.98	6.18	7.57	8.19	9.19	10.10	11.05
50			3.63	4.60	5.72	7.04	7.63	8.57	9.43	10.35
55				4.19	5.25	6.48	7.03	7.93	8.73	9.60
60					4.74	5.89	6.41	7.24	8.00	8.82
65					4.21	5.27	5.75	6.52	7.23	7.99
67						5.02	5.48	6.23	6.91	7.65
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	1.53	1.51	1.50	1.49	1.47	1.44	1.42	1.39	1.36	1.32
35	1.71	1.70	1.70	1.69	1.67	1.64	1.63	1.60	1.57	1.53
40	1.92	1.91	1.91	1.90	1.88	1.85	1.84	1.81	1.78	1.74
45		2.16	2.15	2.14	2.12	2.09	2.08	2.04	2.01	1.97
50			2.44	2.42	2.40	2.37	2.35	2.31	2.28	2.24
55				2.76	2.73	2.69	2.67	2.63	2.59	2.54
60					3.12	3.07	3.05	3.00	2.96	2.90
65					3.60	3.53	3.50	3.45	3.40	3.34
67						3.74	3.71	3.65	3.60	3.53
	Current 230V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	7.42	7.36	7.31	7.26	7.17	7.04	6.97	6.83	6.69	6.53
35	8.20	8.16	8.13	8.10	8.02	7.89	7.82	7.69	7.55	7.38
40	9.08	9.06	9.04	9.00	8.93	8.80	8.73	8.59	8.45	8.28
45		10.10	10.08	10.04	9.97	9.83	9.75	9.60	9.45	9.27
50			11.32	11.27	11.18	11.02	10.94	10.78	10.61	10.42
55				12.76	12.64	12.45	12.36	12.18	12.00	11.79
60					14.40	14.18	14.07	13.87	13.67	13.43
65					16.53	16.26	16.13	15.90	15.67	15.42
67						17.21	17.07	16.82	16.59	16.32
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
30	17.40	22.00	27.30	33.50	40.50	48.60	52.10	57.70	62.80	68.10
35	17.00	21.60	27.00	33.10	40.20	48.30	51.80	57.50	62.50	67.90
40	16.50	21.20	26.50	32.70	39.80	47.80	51.40	57.00	62.10	67.50
45		20.60	26.00	32.10	39.20	47.20	50.70	56.40	61.50	66.90
50			25.30	31.40	38.40	46.40	49.90	55.60	60.60	66.00
55				30.50	37.40	45.40	48.90	54.60	59.60	65.00
60					36.30	44.20	47.70	53.30	58.30	63.70
65					34.80	42.70	46.10	51.70	56.70	62.10
67						42.00	45.40	51.00	56.00	61.40

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

Displacement @ 50 Hz, cu.m/h	8
Length/Width, mm	242/242
Height, mm	386
Net Weight, kg	26
Gross Weight, kg	30
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.1
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	57
Sound Power, dBA	68
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	3.4

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

Maximum Operating Current, A	17.3
Locked Rotor Current, A	76
Start Winding Resistance, ohm	2.1
Winding Resistance, ohm	0.9
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

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