



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											
	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
25	13.00	16.90	21.10	25.80	31.00	37.00	43.90	46.90	51.70			
30	11.45	15.55	19.90	24.60	29.80	35.60	42.20	45.10	49.70	53.90	58.30	
35	9.53	13.95	18.45	23.30	28.40	34.10	40.50	43.30	47.70	51.60	55.80	65.10
40		11.95	16.75	21.70	26.90	32.50	38.70	41.40	45.70	49.40	53.40	62.20
45			14.60	19.75	25.00	30.70	36.80	39.40	43.50	47.20	51.00	59.30
50				17.45	22.90	28.60	34.70	37.20	41.20	44.70	48.40	56.40
55					20.40	26.20	32.20	34.80	38.70	42.10	45.70	53.40
60						23.40	29.50	32.00	35.90	39.30	42.70	50.20
65							26.30	28.90	32.70	36.10	39.50	46.70
	Power Input kW											
	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
25	5.65	5.74	5.85	5.96	6.00	5.94	5.71	5.57	5.29			
30	6.31	6.34	6.46	6.59	6.71	6.76	6.69	6.62	6.46	6.27	6.02	
35	7.11	7.07	7.13	7.26	7.40	7.52	7.56	7.55	7.48	7.38	7.23	6.76
40		7.96	7.94	8.01	8.15	8.29	8.40	8.43	8.43	8.40	8.33	8.04
45			8.94	8.93	9.01	9.14	9.27	9.32	9.36	9.38	9.36	9.22
50				10.05	10.05	10.10	10.25	10.30	10.35	10.40	10.40	10.35
55					11.35	11.30	11.35	11.40	11.45	11.50	11.55	11.55
60						12.75	12.70	12.70	12.75	12.75	12.80	12.80
65							14.35	14.30	14.25	14.25	14.25	14.25
	Current 400V, A											
	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
25	12.48	12.61	12.72	12.84	13.03	13.36	13.88	14.16	14.66			
30	13.24	13.40	13.50	13.58	13.71	13.94	14.33	14.55	14.95	15.35	15.84	
35	14.14	14.34	14.44	14.51	14.59	14.74	15.02	15.19	15.50	15.82	16.22	17.24
40		15.44	15.57	15.63	15.68	15.77	15.96	16.08	16.32	16.57	16.88	17.73
45			16.88	16.96	16.99	17.04	17.16	17.24	17.41	17.60	17.84	18.52
50				18.49	18.53	18.55	18.62	18.67	18.78	18.92	19.10	19.64
55					20.31	20.32	20.35	20.38	20.45	20.54	20.67	21.08
60						22.35	22.36	22.37	22.41	22.47	22.56	22.86
65							24.66	24.66	24.68	24.71	24.77	24.97
	Mass Flow g/s											
	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
25	75.50	97.00	120.00	144.50	172.00	203.00	238.00	253.00	278.00			
30	69.20	93.00	117.00	143.00	171.00	202.00	237.00	252.00	276.00	297.00	320.00	
35	60.00	86.50	113.00	140.50	170.00	201.00	236.00	251.00	275.00	296.00	318.00	367.00
40		77.50	106.50	136.00	167.00	199.00	234.00	249.00	273.00	294.00	316.00	364.00
45			97.50	129.50	162.00	196.00	232.00	247.00	271.00	292.00	314.00	362.00
50				120.00	155.00	191.00	228.00	244.00	268.00	289.00	312.00	359.00
55					145.00	183.00	223.00	239.00	264.00	286.00	308.00	356.00
60						173.00	215.00	232.00	258.00	280.00	303.00	351.00
65							203.00	221.00	248.00	272.00	295.00	345.00

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

Displacement @ 50 Hz, cu.m/h	36.4
Length/Width, mm	264/285
Height, mm	552
Net Weight, kg	64.9
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.4
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	68
Sound Power, dBA	79
PED Category	2
High Side PS, bar(g)	32
Low Side PS, bar(g)	20
Low Side TS Max., °C	52
Low Side TS Min., °C	-35
Internal Free Volume, l	14

**COMPRESSOR ELECTRICAL DATA (380/420V - 3~ - 50Hz)**

Maximum Operating Current, A	28
Locked Rotor Current, A	140
Winding Resistance, ohm	1.1
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Enclosure Class	IP21
Mounting Grommets	Rubber Grommet For Single
Oil Service Valve	Schraeder Valve
Check Valve (NRV)	Discharge Low Leak Check Valve

**ACCESSORIES OPTIONAL**

Crankcase Heater	90W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Adapter Kit	R1"1/4 -B 1"1/8 For TPTL for Parallel Operation
Sound Attenuation	Sound Shell (12dBA)

**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>
380-420 V/3~/50H	400	TFD		Y	1.00