



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	9.18	11.50	14.25	17.50	21.20	25.50	30.50	32.60	36.10			
30	8.49	10.80	13.50	16.60	20.20	24.30	28.90	30.90	34.20	37.10	40.20	
35	7.67	10.00	12.65	15.65	19.05	22.90	27.40	29.30	32.30	35.10	37.90	44.20
40		9.06	11.70	14.60	17.90	21.60	25.80	27.60	30.50	33.00	35.70	41.60
45			10.55	13.45	16.60	20.20	24.10	25.80	28.50	30.90	33.50	39.00
50				12.10	15.20	18.60	22.40	24.00	26.60	28.80	31.20	36.40
55					13.65	16.90	20.50	22.00	24.40	26.60	28.80	33.60
60						15.00	18.45	19.90	22.10	24.10	26.20	30.70
65							16.05	17.45	19.55	21.40	23.30	27.40
	Power Input kW											
	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
25	3.98	4.03	4.04	4.02	4.01	4.00	4.04	4.06	4.12			
30	4.47	4.52	4.53	4.52	4.51	4.51	4.56	4.59	4.66	4.73	4.83	
35	5.04	5.08	5.07	5.06	5.04	5.04	5.09	5.12	5.19	5.27	5.38	5.66
40		5.73	5.70	5.67	5.63	5.63	5.66	5.69	5.76	5.84	5.94	6.22
45			6.45	6.38	6.32	6.29	6.31	6.33	6.39	6.46	6.56	6.83
50				7.23	7.13	7.07	7.05	7.07	7.11	7.17	7.25	7.50
55					8.09	7.98	7.93	7.92	7.94	7.98	8.05	8.27
60						9.07	8.96	8.94	8.93	8.94	8.99	9.16
65							10.20	10.15	10.10	10.05	10.10	10.20
	Current 400V, A											
	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
25	9.97	10.03	10.03	10.00	9.96	9.95	9.97	10.00	10.06			
30	10.45	10.51	10.51	10.49	10.47	10.47	10.52	10.56	10.64	10.73	10.85	
35	11.05	11.09	11.09	11.06	11.04	11.05	11.10	11.15	11.23	11.33	11.46	11.81
40		11.82	11.79	11.75	11.71	11.70	11.75	11.79	11.88	11.98	12.11	12.47
45			12.66	12.58	12.51	12.48	12.51	12.54	12.62	12.71	12.83	13.18
50				13.62	13.50	13.42	13.41	13.43	13.49	13.56	13.67	14.00
55					14.71	14.57	14.51	14.50	14.53	14.59	14.67	14.96
60						15.97	15.83	15.80	15.79	15.82	15.87	16.10
65							17.43	17.37	17.31	17.29	17.31	17.47
	Mass Flow g/s											
	-25	-20	-15	-10	-5	0	5	7	10	12.5	15	20
25	50.70	62.90	77.00	93.00	112.00	133.00	157.00	168.00	185.00			
30	49.20	61.90	76.50	92.50	111.00	132.50	156.00	167.00	183.00	198.00	213.00	
35	46.80	60.20	75.00	92.00	110.50	131.50	155.00	165.00	182.00	196.00	211.00	244.00
40		57.60	73.30	90.50	109.50	130.50	154.00	164.00	180.00	194.00	209.00	242.00
45			70.40	88.50	108.00	129.00	153.00	163.00	179.00	193.00	208.00	240.00
50				85.00	105.50	127.50	151.00	161.00	177.00	191.00	206.00	238.00
55					102.00	124.50	149.00	159.00	176.00	190.00	205.00	237.00
60						121.00	146.50	157.00	174.00	188.00	203.00	235.00
65							143.00	154.00	171.00	186.00	202.00	235.00

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

Displacement @ 50 Hz, cu.m/h	16.8
Length/Width, mm	264/284
Height, mm	533
Net Weight, kg	59
Gross Weight, kg	70
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	63
Sound Power, dBA	74
PED Category	2
High Side PS, bar(g)	45
Low Side PS, bar(g)	29.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Internal Free Volume, l	13.3

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

Maximum Operating Current, A	21
Locked Rotor Current, A	111
Winding Resistance, ohm	1.4
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Enclosure Class	IP21
Mounting Grommets	Hard Mounts for Paralleling
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	Rubber Grommet For Single
Adapter Kit	R1"1/4 -B 1"1/8 For TPTL for Parallel Operation
Sound Attenuation	Sound Shell (12dBA)

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TFD		Y	1.00
200-220 V/3~/50H	200	TF5		Y	2.09
200-230 V/3~/60H	230	TF5		Y	2.09
575 V/3~/60Hz	575	TFE		Y	0.80
380 V/3~/60Hz	380	TF7		Y	1.26
460 V/3~/60Hz	460	TFD		Y	1.04