



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
25	30.80	39.00	48.80	60.30	73.70	89.20	96.10	107.00		
30	28.50	36.50	45.80	56.80	69.70	84.60	91.20	101.50	111.00	121.50
40	24.00	31.20	39.70	49.70	61.40	75.00	81.00	90.70	99.30	108.50
45		28.60	36.60	46.10	57.20	70.10	75.80	85.00	93.20	102.00
50			33.50	42.40	52.80	65.00	70.40	79.10	87.00	95.40
55				38.60	48.40	59.90	65.00	73.20	80.60	88.60
60					43.90	54.60	59.40	67.20	74.20	81.70
65						49.30	53.80	61.00	67.60	74.60
68						46.10	50.40	57.30	63.60	70.30
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
25	11.05	11.25	11.50	11.80	12.10	12.45	12.60	12.85		
30	12.30	12.45	12.65	12.90	13.20	13.55	13.65	13.90	14.10	14.30
40	15.55	15.60	15.70	15.85	16.05	16.30	16.40	16.60	16.80	16.95
45		17.60	17.65	17.75	17.85	18.05	18.15	18.35	18.50	18.65
50			19.95	19.95	20.00	20.20	20.20	20.40	20.50	20.60
55				22.50	22.50	22.60	22.60	22.70	22.80	22.90
60					25.50	25.40	25.40	25.50	25.60	25.60
65						28.70	28.70	28.70	28.70	28.70
68						30.90	30.80	30.80	30.80	30.80
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
25	24.37	24.64	24.86	25.10	25.38	25.77	25.96	26.30		
30	25.73	26.00	26.22	26.42	26.67	27.00	27.16	27.45	27.74	28.08
40	29.21	29.49	29.69	29.85	30.01	30.23	30.34	30.55	30.75	31.00
45		31.78	31.97	32.11	32.23	32.40	32.48	32.64	32.81	33.02
50			34.72	34.84	34.93	35.04	35.10	35.22	35.35	35.51
55				38.12	38.18	38.24	38.27	38.35	38.44	38.56
60					42.06	42.07	42.08	42.12	42.17	42.24
65						46.62	46.61	46.60	46.61	46.65
68						49.73	49.70	49.67	49.66	49.67
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
25	172.00	215.00	264.00	322.00	388.00	463.00	496.00	549.00		
30	167.00	210.00	259.00	317.00	383.00	458.00	491.00	543.00	590.00	640.00
40	155.00	198.00	247.00	304.00	370.00	445.00	477.00	530.00	576.00	626.00
45		191.00	241.00	297.00	362.00	437.00	470.00	522.00	568.00	618.00
50			233.00	289.00	354.00	429.00	461.00	513.00	560.00	609.00
55				281.00	345.00	419.00	452.00	504.00	550.00	600.00
60					336.00	410.00	442.00	494.00	540.00	590.00
65						399.00	431.00	484.00	530.00	580.00
68						392.00	425.00	477.00	524.00	574.00

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

Number of cylinders	1
Displacement @ 50 Hz, cu.m/h	71.4
Length/Width, mm	448/392
Height, mm	715
Net Weight, kg	160
Gross Weight, kg	188
Rotalock Suction, inch	2 1/4 x 12 UN
Rotalock Discharge, inch	1 3/4 x 12 UN
Stub Suction, inch	1 5/8 ID
Stub Discharge, inch	1 3/8 ID
Oil Quantity, l	6.8
Base mounting (hole dia), mm	266.7 x 266.7 (22.6)
Sound Pressure @ 1m, dBA	74
Sound Power, dBA	85
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	34.8

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

Maximum Operating Current, A	52
Locked Rotor Current, A	272
Winding Resistance, ohm	0.5
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermistor
Discharge Temperature Protection	PTC in Scroll Discharge Port
Enclosure Class	IP 54
Mounting Grommets	Standard
Mounting Grommets	Rubber Grommet For Single
Oil Service Valve	Schraeder Valve
Check Valve (NRV)	Discharge Low Leak Check Valve

**ACCESSORIES OPTIONAL**

Crankcase Heater	150W External
Mounting Grommets	Rubber Grommet For Parallel Operation
Adapter Kit	R1"3/4 - B1"3/8 For TPTL for Parallel Operation

**MOTOR OPTIONS**

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TWD		Y	1.00
460 V/3~/60Hz	460	TWD		Y	1.00