



Minimum evaporating temp. with:
 ——— 10K Suction Superheat
 - - - 20°C Suction Gas Return

Suction Return Temperature 20.0°C

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW								
	-25	-20	-15	-10	-5	0	5	7	10
20	13.55	16.65	20.30	24.60	29.60	35.40			
25	12.80	15.80	19.30	23.40	28.10	33.50	39.70		
30	12.05	14.90	18.25	22.10	26.60	31.60	37.40	39.90	43.90
35	11.20	13.95	17.10	20.80	24.90	29.70	35.10	37.40	41.20
40	10.30	12.90	15.90	19.35	23.20	27.70	32.70	34.80	38.30
45		11.80	14.65	17.85	21.40	25.50	30.20	32.20	35.30
50			13.25	16.20	19.55	23.30	27.50	29.40	32.30
55			11.75	14.50	17.50	20.90	24.80	26.40	29.10
60				12.60	15.35	18.40	21.90	23.40	25.70
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
20	4.65	4.77	4.88	4.99	5.08	5.15			
25	5.16	5.27	5.38	5.49	5.59	5.67	5.71		
30	5.74	5.84	5.94	6.05	6.15	6.24	6.29	6.31	6.32
35	6.42	6.50	6.59	6.69	6.79	6.87	6.93	6.95	6.97
40	7.20	7.26	7.33	7.42	7.50	7.58	7.64	7.66	7.68
45		8.13	8.18	8.25	8.32	8.39	8.44	8.46	8.47
50			9.15	9.19	9.24	9.29	9.33	9.35	9.36
55			10.25	10.25	10.30	10.30	10.35	10.35	10.35
60				11.50	11.45	11.45	11.45	11.45	11.45
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
20	11.14	11.29	11.43	11.55	11.64	11.69			
25	11.62	11.77	11.91	12.04	12.14	12.21	12.24		
30	12.22	12.36	12.49	12.62	12.74	12.82	12.87	12.87	12.86
35	12.97	13.08	13.21	13.33	13.45	13.54	13.61	13.62	13.62
40	13.89	13.97	14.07	14.19	14.30	14.39	14.47	14.49	14.50
45		15.04	15.12	15.21	15.31	15.40	15.48	15.50	15.52
50			16.37	16.43	16.51	16.59	16.66	16.68	16.71
55			17.84	17.87	17.92	17.98	18.04	18.05	18.08
60				19.54	19.56	19.59	19.63	19.64	19.66
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
20	83.50	103.00	126.50	155.00	188.00	226.00			
25	83.00	102.50	126.00	154.00	187.00	226.00	271.00		
30	82.00	102.00	125.50	153.00	186.00	224.00	269.00	289.00	321.00
35	80.50	101.00	124.50	152.00	185.00	223.00	268.00	288.00	320.00
40	78.50	99.00	123.00	151.00	184.00	222.00	266.00	286.00	318.00
45		97.00	121.50	149.00	182.00	219.00	263.00	283.00	315.00
50			118.50	146.50	179.00	217.00	261.00	280.00	313.00
55			114.50	143.00	176.00	213.00	258.00	277.00	310.00
60				138.50	171.00	209.00	254.00	274.00	308.00

Copeland Scroll - Compressor - Refrigeration - Digital

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	28.8
Length/Width, mm	293/285
Height, mm	533
Net Weight, kg	61.7
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.25
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	66
Sound Power (MT), dBA	77
Sound Power with Sound Shell (MT), dBA	67
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	20.4
Locked Rotor Current, A	118
Winding Resistance, ohm	1.24/1.24/0 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Solenoid valve	Standard
----------------	----------

ACCESSORIES OPTIONAL

Crankcase Heater	66W External
Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)
Valve Coil	220 V
Valve Coil	24 V AC
Digital Control Kit	EC2-552
Digital Control Kit	EC3-652
Digital Driver	EC3-D13

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
460 V/3~/60Hz	460	TFD		Y	1.04