



Tabulated calculation - H

Input

Model	H3000CC
Refrigerant	R404A
Reference temperature	Dew temperature
Suction temperature	20.0 °C
Evaporator outlet temperature	20.0 °C
Liquid subcooling	0.0 K
Voltage / phases / frequency	380-420 V / 3 / 50 Hz

Cooling capacity - At evaporator W

	Te = -5.0	Te = -10.0	Te = -15.0	Te = -20.0	Te = -25.0	Te = -30.0	Te = -35.0	Te = -40.0
Tc = 20.0	79833	65659	53450	43035	34240	26893	20822	15855
Tc = 25.0	74626	61379	49975	40240	32004	25092	19333	14554
Tc = 30.0	69354	57038	46441	37391	29716	23242	17798	13211
Tc = 35.0	64026	52644	42858	34496	27385	21353	16227	11835
Tc = 40.0	58651	48206	39235	31564	25021	19434	14629	10436
Tc = 45.0	53238	43734	35580	28604	22632	17493	13014	9022
Tc = 50.0	47797	39237	31904	25625	20228	15540	11389	
Tc = 55.0	42336	34723	28214	22636	17817	13584	9765	

Cooling capacity - At compressor W

	Te = -5.0	Te = -10.0	Te = -15.0	Te = -20.0	Te = -25.0	Te = -30.0	Te = -35.0	Te = -40.0
Tc = 20.0	79833	65659	53450	43035	34240	26893	20822	15855
Tc = 25.0	74626	61379	49975	40240	32004	25092	19333	14554
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Tc = 50.0	47797	39237	31904	25625	20228	15540	11389	
Tc = 55.0	42336	34723	28214	22636	17817	13584	9765	

**Absorbed power kW**

	Te = -5.0	Te = -10.0	Te = -15.0	Te = -20.0	Te = -25.0	Te = -30.0	Te = -35.0	Te = -40.0
Tc = 20.0	14.26	14.08	13.51	12.63	11.52	10.28	8.99	7.72
Tc = 25.0	15.62	15.05	14.15	13.01	11.70	10.31	8.93	7.63
Tc = 30.0	16.90	15.96	14.76	13.36	11.86	10.34	8.89	7.59
Tc = 35.0	18.12	16.84	15.34	13.71	12.04	10.41	8.90	7.61
Tc = 40.0	19.32	17.70	15.93	14.09	12.26	10.53	8.99	7.71
Tc = 45.0	20.51	18.58	16.55	14.50	12.54	10.73	9.17	7.94
Tc = 50.0	21.73	19.49	17.22	15.00	12.91	11.04	9.48	
Tc = 55.0	22.99	20.47	17.97	15.59	13.39	11.48	9.93	

Absorbed current A

	Te = -5.0	Te = -10.0	Te = -15.0	Te = -20.0	Te = -25.0	Te = -30.0	Te = -35.0	Te = -40.0
Tc = 20.0	30.2	30.0	29.4	28.4	27.3	26.2	25.1	24.1
Tc = 25.0	31.8	31.1	30.1	28.8	27.5	26.2	25.0	24.1
Tc = 30.0	33.3	32.2	30.8	29.2	27.7	26.2	25.0	24.0
Tc = 35.0	34.8	33.3	31.4	29.6	27.9	26.3	25.0	24.1
Tc = 40.0	36.4	34.3	32.1	30.0	28.1	26.4	25.1	24.1
Tc = 45.0	38.0	35.4	32.9	30.5	28.4	26.6	25.2	24.3
Tc = 50.0	39.6	36.6	33.7	31.0	28.7	26.9	25.5	
Tc = 55.0	41.4	37.9	34.6	31.7	29.2	27.3	25.9	

Mass flow kg/h

	Te = -5.0	Te = -10.0	Te = -15.0	Te = -20.0	Te = -25.0	Te = -30.0	Te = -35.0	Te = -40.0
Tc = 20.0	1808.6	1469.5	1185.5	949.9	756.0	596.9	465.8	356.0
Tc = 25.0	1774.5	1441.4	1162.4	930.7	739.6	582.2	451.8	341.5
Tc = 30.0	1738.5	1411.4	1137.3	909.5	721.1	565.3	435.5	324.7
Tc = 35.0	1700.8	1379.6	1110.4	886.3	700.6	546.5	417.1	305.7
Tc = 40.0	1661.6	1346.3	1081.9	861.5	678.4	525.7	396.7	284.7
Tc = 45.0	1621.0	1311.6	1051.8	835.1	654.5	503.3	374.7	261.9
Tc = 50.0	1579.3	1275.5	1020.5	807.3	629.2	479.4	351.0	
Tc = 55.0	1536.5	1238.5	988.0	778.3	602.6	454.1	326.0	