



Tabulated calculation - H

Input

Model	H755CC
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	29838	24567	19972	16009	12634	9800	7464	5579
Tc = 25.0	27968	22999	18672	14943	11766	9097	6890	5101
Tc = 30.0	26041	21383	17333	13846	10877	8380	6312	4627
Tc = 35.0	24063	19726	15961	12725	9972	7657	5736	4163
Tc = 40.0	22041	18032	14562	11585	9057	6933	5167	3716
Tc = 45.0	19981	16310	13142	10433	8139	6214	4613	3291
Tc = 50.0	17889	14564	11708	9276	7224	5506	4078	
Tc = 55.0	15772	12801	10265	8119	6317	4816	3570	

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	29838	24567	19972	16009	12634	9800	7464	5579
Tc = 25.0	27968	22999	18672	14943	11766	9097	6890	5101
Tc = 30.0	26041	21383	17333	13846	10877	8380	6312	4627
Tc = 35.0	24063	19726	15961	12725	9972	7657	5736	4163
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Tc = 50.0	17889	14564	11708	9276	7224	5506	4078	
Tc = 55.0	15772	12801	10265	8119	6317	4816	3570	

**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	5.33	5.22	5.01	4.70	4.32	3.88	3.41	2.93
Tc = 25.0	5.96	5.74	5.41	5.01	4.55	4.04	3.51	2.98
Tc = 30.0	6.55	6.21	5.78	5.28	4.74	4.17	3.59	3.01
Tc = 35.0	7.08	6.63	6.10	5.52	4.90	4.27	3.64	3.03
Tc = 40.0	7.56	7.00	6.38	5.72	5.03	4.34	3.66	3.02
Tc = 45.0	8.00	7.34	6.63	5.89	5.13	4.39	3.67	2.99
Tc = 50.0	8.38	7.63	6.83	6.02	5.20	4.40	3.65	
Tc = 55.0	8.73	7.88	7.00	6.11	5.24	4.40	3.61	

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	10.7	10.6	10.3	10.0	9.6	9.2	8.8	8.5
Tc = 25.0	11.4	11.2	10.8	10.4	9.9	9.4	8.9	8.5
Tc = 30.0	12.2	11.7	11.2	10.7	10.1	9.5	9.0	8.5
Tc = 35.0	12.8	12.3	11.6	10.9	10.2	9.6	9.0	8.5
Tc = 40.0	13.5	12.7	12.0	11.2	10.4	9.7	9.0	8.5
Tc = 45.0	14.1	13.2	12.3	11.4	10.5	9.7	9.0	8.5
Tc = 50.0	14.6	13.6	12.5	11.5	10.6	9.7	9.0	
Tc = 55.0	15.1	13.9	12.7	11.6	10.6	9.7	9.0	

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	676.5	550.4	443.4	353.4	278.5	216.7	165.9	124.3
Tc = 25.0	665.9	540.9	434.8	345.6	271.4	210.3	160.1	118.9
Tc = 30.0	653.8	529.9	424.9	336.8	263.6	203.2	153.8	113.3
Tc = 35.0	640.1	517.6	414.0	327.1	254.9	195.6	147.2	107.6
Tc = 40.0	624.9	504.1	401.9	316.4	245.6	187.6	140.3	101.7
Tc = 45.0	608.3	489.3	388.8	305.0	235.7	179.1	133.2	95.9
Tc = 50.0	590.5	473.4	374.8	292.8	225.3	170.3	125.9	
Tc = 55.0	571.3	456.4	360.0	280.0	214.4	161.3	118.6	