

PERFORMANCE DATA

Code No.	C-SCN603H8H
Power Source	3Ph 50Hz 380V
Condensing Temp.(°C)	30, 35, 40.5, 45, 50, 54.4, 60, 65
Suction Gas Superheat(K)	11.1
Sub Cooled(K)	8.3
Compressor Cooling	Natural Cooling
Refrigerant	R404A

Capacity (W)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	17,270	20,810	23,540	30,220	35,610	39,530	43,890	47,280
	35	15,560	18,800	21,290	27,430	32,400	36,010	40,030	43,180
	40.5	13,840	16,770	19,030	24,610	29,130	32,430	36,110	38,990
	45.0	12,560	15,250	17,340	22,490	26,670	29,740	33,150	35,830
	50.0	11,270	13,720	15,620	20,330	24,170	26,990	30,130	32,590
	54.4		12,510	14,260	18,610	22,170	24,780	27,700	29,990
	60.0			12,720	16,660	19,900	22,280	24,940	27,030
	65.0				15,150	18,130	20,320	22,780	24,720

Input (W)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	5,300	5,280	5,260	5,230	5,210	5,200	5,190	5,180
	35	5,780	5,770	5,760	5,740	5,730	5,720	5,710	5,710
	40.5	6,380	6,380	6,380	6,380	6,370	6,370	6,370	6,370
	45.0	6,920	6,930	6,940	6,960	6,970	6,970	6,980	6,980
	50.0	7,580	7,610	7,630	7,660	7,690	7,700	7,720	7,730
	54.4		8,260	8,290	8,340	8,380	8,410	8,430	8,450
	60.0			9,190	9,290	9,350	9,390	9,430	9,460
	65.0				10,200	10,280	10,340	10,390	10,430

Current (A)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	9.7	9.6	9.6	9.6	9.5	9.5	9.5	9.5
	35	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.3
	40.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.3
	45.0	12.2	12.2	12.2	12.3	12.3	12.3	12.3	12.3
	50.0	13.2	13.2	13.3	13.3	13.4	13.4	13.4	13.4
	54.4		14.2	14.3	14.4	14.4	14.5	14.5	14.5
	60.0			15.6	15.8	15.9	15.9	16.0	16.0
	65.0				17.1	17.2	17.3	17.4	17.5

MassFlow (kg/H)

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	400	480	550	700	810	880	970	1,030
	35	390	480	540	680	790	870	950	1,010
	40.5	390	470	530	670	780	850	930	990
	45.0	380	460	520	660	770	840	920	980
	50.0	380	450	510	650	750	830	900	960
	54.4		440	500	640	740	810	890	950
	60.0			490	620	730	800	870	930
	65.0				610	710	780	860	920

EER

		Evaporating Temp. (°C)							
		-15	-10	-6.7	0	4.4	7.2	10	12
Condensing Temp. (°C)	30	3.26	3.94	4.48	5.78	6.83	7.60	8.46	9.13
	35	2.69	3.26	3.70	4.78	5.65	6.30	7.01	7.56
	40.5	2.17	2.63	2.98	3.86	4.57	5.09	5.67	6.12
	45.0	1.82	2.20	2.50	3.23	3.83	4.27	4.75	5.13
	50.0	1.49	1.80	2.05	2.65	3.14	3.51	3.90	4.22
	54.4		1.51	1.72	2.23	2.65	2.95	3.29	3.55
	60.0			1.38	1.79	2.13	2.37	2.64	2.86
	65.0				1.49	1.76	1.97	2.19	2.37

Coefficients of Polynomial Formula

	Capacity (W)	Input (W)	Current (A)	MassFlow (kg/h)
C1	5.156920E+04	3.611624E+03	6.597224E+00	7.626185E+02
C2	1.824618E+03	-1.410123E+00	-9.404015E-03	2.823099E+01
C3	-8.415092E+02	1.347085E+01	4.447550E-02	-2.099629E+00
C4	2.886751E+01	2.866217E-02	-2.911072E-05	2.855975E-01
C5	-2.689908E+01	-4.682240E-01	-4.468059E-04	-1.714819E-01
C6	4.329723E+00	1.352041E+00	1.804921E-03	-3.883350E-03
C7	2.240456E-01	1.532961E-03	2.916708E-07	5.297504E-04
C8	-2.535990E-01	-6.222095E-04	8.577807E-07	1.773521E-04
C9	1.273837E-01	1.205675E-02	1.618716E-05	1.128954E-03
C10	-4.109737E-09	1.348929E-08	8.523053E-12	-1.016724E-08

Note: The polynomial coefficients subject to change without notice.

$$X=C1+C2*(S)+C3*D+C4*(S^2)+C5*(S*D)+C6*(D^2)+C7*(S^3)+C8*(D*S^2)+C9*(S*D^2)+C10*(D^3)$$

X—CAPACITY(W) OR POWER(W) OR CURRENT(A) OR MassFlow(kg/H)

S—EVAPORATING TEMP, °C

D—CONDENSING TEMP, °C