PERFORMANCE DATA

Code No.	C−SCN903H8H
Power Source	3Ph 50Hz 380V
Condensing Temp.(℃)	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）

Condensing Temp. (℃)	Evaporating Temp. (℃)							
	−15	−10	−6.7	0	4.4	7.2	10	12
30	24,760	30,120	34,290	44,600	53,000	59,160	66,030	71,420
35	22,330	27,190	30,970	40,320	47,950	53,540	59,790	64,690
40.5	19,890	24,240	27,620	36,000	42,850	47,870	53,480	57,880
45.0	18,070	22,030	25,120	32,770	39,030	43,620	48,750	52,780
50.0	16,230	19,810	22,590	29,500	35,160	39,310	43,950	47,600
54.4		18,040	20,580	26,910	32,080	35,890	40,140	43,480
60.0			18,320	23,980	28,610	32,020	35,830	38,830
65.0				21,710	25,930	29,030	32,500	35,240

Input （W）

Condensing Temp. (℃)	Evaporating Temp. (℃)							
	−15	−10	−6.7	0	4.4	7.2	10	12
30	7,150	7,250	7,320	7,460	7,560	7,620	7,680	7,720
35	7,860	7,970	8,050	8,210	8,310	8,380	8,450	8,500
40.5	8,750	8,880	8,970	9,140	9,260	9,340	9,420	9,470
45.0	9,580	9,720	9,810	10,010	10,140	10,220	10,300	10,370
50.0	10,590	10,740	10,850	11,060	11,210	11,300	11,390	11,460
54.4		11,730	11,840	12,080	12,240	12,340	12,440	12,520
60.0			13,220	13,490	13,670	13,780	13,900	13,980
65.0				14,860	15,060	15,180	15,310	15,400

Current （A）

Condensing Temp. (℃)	Evaporating Temp. (℃)							
	−15	−10	−6.7	0	4.4	7.2	10	12
30	12.5	12.6	12.7	12.9	13.1	13.1	13.2	13.3
35	13.6	13.8	13.9	14.1	14.3	14.4	14.5	14.6
40.5	15.1	15.3	15.4	15.6	15.8	15.9	16.1	16.1
45.0	16.4	16.6	16.7	17.0	17.2	17.4	17.5	17.6
50.0	17.9	18.2	18.4	18.7	18.9	19.1	19.2	19.3
54.4		19.7	19.9	20.3	20.6	20.7	20.9	21.0
60.0			22.1	22.5	22.8	23.0	23.2	23.3
65.0				24.7	25.0	25.2	25.4	25.6

MassFlow (kg/H)

		Evaporating Temp. (℃)							
		−15	−10	−6.7	0	4.4	7.2	10	12
Condensing Temp. (℃)	30	600	720	810	1,030	1,190	1,310	1,440	1,530
	35	590	700	790	1,000	1,170	1,280	1,400	1,500
	40.5	580	690	770	980	1,140	1,250	1,370	1,460
	45.0	560	670	760	960	1,120	1,230	1,340	1,430
	50.0	550	660	740	940	1,090	1,200	1,310	1,400
	54.4		640	730	920	1,070	1,180	1,290	1,370
	60.0			710	900	1,050	1,150	1,260	1,340
	65.0				880	1,020	1,120	1,230	1,310

EER

		Evaporating Temp. (℃)							
		−15	−10	−6.7	0	4.4	7.2	10	12
Condensing Temp. (℃)	30	3.46	4.15	4.68	5.98	7.01	7.76	8.60	9.25
	35	2.84	3.41	3.85	4.91	5.77	6.39	7.08	7.61
	40.5	2.27	2.73	3.08	3.94	4.63	5.13	5.68	6.11
	45.0	1.89	2.27	2.56	3.27	3.85	4.27	4.73	5.09
	50.0	1.53	1.84	2.08	2.67	3.14	3.48	3.86	4.15
	54.4		1.54	1.74	2.23	2.62	2.91	3.23	3.47
	60.0			1.39	1.78	2.09	2.32	2.58	2.78
	65.0				1.46	1.72	1.91	2.12	2.29

Coefficients of Polynominal Formula

	Capacity （W）	Input （W）	Current （A）	MassFlow (kg/h)
C1	7.802182E+04	5.191020E+03	8.906103E+00	1.165114E+03
C2	2.982085E+03	1.572374E+01	2.139267E-02	4.170166E+01
C3	-1.322705E+03	1.315412E+01	4.107493E-02	-4.835989E+00
C4	4.666943E+01	2.592669E-03	-2.829557E-05	5.742295E-01
C5	-4.771331E+01	-4.305632E-03	-1.076743E-04	-2.164210E-01
C6	7.026614E+00	2.085960E+00	3.096173E-03	6.692608E-03
C7	3.081073E-01	-2.333381E-03	-4.108378E-08	-2.564048E-04
C8	-4.423780E-01	6.617358E-04	2.011058E-06	-2.387291E-03
C9	2.328438E-01	6.907089E-03	1.413433E-05	7.600328E-04
C10	-7.880338E-09	-2.071139E-09	-5.099515E-12	-1.500763E-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