PERFORMANCE DATA

Code No.	C−SBN453H8A
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）

		Evaporating Temp. (℃)							
		−15	−10	−6.7	0	4.4	7.2	10	12
Condensing Temp. (℃)	30	13,290	15,990	18,060	23,140	27,220	30,190	33,490	36,050
	35	11,840	14,290	16,180	20,810	24,560	27,280	30,310	32,680
	40.5	10,400	12,590	14,290	18,470	21,860	24,340	27,090	29,250
	45.0	9,340	11,340	12,890	16,730	19,850	22,130	24,680	26,670
	50.0	8,280	10,090	11,490	14,970	17,820	19,900	22,230	24,050
	54.4		9,100	10,390	13,590	16,200	18,130	20,280	21,970
	60.0			9,160	12,030	14,400	16,140	18,090	19,630
	65.0				10,850	13,010	14,610	16,410	17,830

Input （W）

		Evaporating Temp. (℃)							
		−15	−10	−6.7	0	4.4	7.2	10	12
Condensing Temp. (℃)	30	3,760	3,720	3,700	3,640	3,610	3,590	3,570	3,560
	35	4,210	4,160	4,130	4,080	4,040	4,020	3,990	3,980
	40.5	4,790	4,740	4,710	4,640	4,600	4,570	4,550	4,530
	45.0	5,340	5,290	5,250	5,180	5,130	5,100	5,070	5,050
	50.0	6,030	5,970	5,930	5,840	5,790	5,760	5,720	5,700
	54.4		6,640	6,590	6,500	6,440	6,400	6,360	6,330
	60.0			7,520	7,420	7,350	7,300	7,260	7,230
	65.0				8,320	8,240	8,190	8,140	8,110

Current （A）

		Evaporating Temp. (℃)							
		−15	−10	−6.7	0	4.4	7.2	10	12
Condensing Temp. (℃)	30	6.7	6.6	6.6	6.5	6.5	6.5	6.4	6.4
	35	7.4	7.4	7.3	7.2	7.2	7.2	7.1	7.1
	40.5	8.4	8.3	8.2	8.1	8.1	8.0	8.0	8.0
	45.0	9.2	9.1	9.1	9.0	8.9	8.9	8.8	8.8
	50.0	10.3	10.2	10.1	10.0	9.9	9.9	9.8	9.8
	54.4		11.2	11.2	11.0	10.9	10.9	10.8	10.8
	60.0			12.6	12.4	12.3	12.3	12.2	12.1
	65.0				13.8	13.7	13.6	13.5	13.5

MassFlow (kg/H)

		Evaporating Temp. (℃)							
		−15	−10	−6.7	0	4.4	7.2	10	12
Condensing Temp. (℃)	30	310	380	420	530	620	670	730	780
	35	300	360	410	520	600	660	710	760
	40.5	290	350	400	500	580	640	700	740
	45.0	280	340	380	490	570	620	680	720
	50.0	270	330	370	480	550	610	660	710
	54.4		320	360	470	540	590	650	690
	60.0			350	450	530	580	630	670
	65.0				440	510	560	620	660

EER

		Evaporating Temp. (℃)							
		−15	−10	−6.7	0	4.4	7.2	10	12
Condensing Temp. (℃)	30	3.53	4.30	4.88	6.36	7.54	8.41	9.38	10.13
	35	2.81	3.44	3.92	5.10	6.08	6.79	7.60	8.21
	40.5	2.17	2.66	3.03	3.98	4.75	5.33	5.95	6.46
	45.0	1.75	2.14	2.46	3.23	3.87	4.34	4.87	5.28
	50.0	1.37	1.69	1.94	2.56	3.08	3.45	3.89	4.22
	54.4		1.37	1.58	2.09	2.52	2.83	3.19	3.47
	60.0			1.22	1.62	1.96	2.21	2.49	2.72
	65.0				1.30	1.58	1.78	2.02	2.20

Coefficients of Polynominal Formula

	Capacity （W）	Input （W）	Current （A）	MassFlow (kg/h)
C1	4.128171E+04	2.695836E+03	4.634419E+00	6.272527E+02
C2	1.406490E+03	-7.168970E+00	-8.025456E-03	1.936757E+01
C3	-7.208307E+02	-1.546334E+01	-3.134690E-03	-3.357011E+00
C4	2.089757E+01	-7.054535E-04	-9.016270E-06	2.291124E-01
C5	-2.119163E+01	1.207681E-01	9.135064E-05	-4.525460E-02
C6	3.886791E+00	1.569087E+00	2.218011E-03	7.061325E-03
C7	1.473466E-01	-7.959233E-04	-7.937401E-09	-5.353211E-04
C8	-1.761180E-01	1.602423E-04	5.373748E-07	-8.601673E-04
C9	9.844415E-02	-4.449063E-03	-5.960820E-06	-1.319438E-04
C10	-5.373630E-09	-4.384157E-09	-1.858167E-12	6.114834E-10

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, ℃

D——CONDENSING TEMP, ℃