PERFORMANCE DATA

Code No.	C-SBS145H38Q
Power Source	3-PH 50Hz 380V
Condensing Temp.(℃)	30, 35, 40.5, 45, 50, 54.4, 60, 65
Suction Gas Superheat(K)	11.1
Sub Cooled(K)	4
Compressor Cooling	Gas Injection
Refrigerant	R407C
	Test Conditions are Mid point.

Heating Capacity (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	6,370	8,380	9,610	11,020	14,490	17,660	19,060	20,140
35	6,600	8,570	9,770	11,130	14,460	17,450	18,780	19,790
40.5	6,860	8,790	9,950	11,260	14,420	17,240	18,470	19,410
45.0	7,080	8,970	10,100	11,360	14,390	17,060	18,230	19,110
50.0	7,340	9,180	10,270	11,480	14,360	16,870	17,960	18,780
54.4	7,570	9,370	10,420	11,590	14,330	16,700	17,720	18,490
60.0		9,610	10,610	11,720	14,290	16,490	17,430	18,140
65.0			10,790	11,840	14,260	16,300	17,170	17,820

Input (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	2,790	2,680	2,620	2,570	2,470	2,390	2,370	2,350
35	3,060	2,950	2,890	2,840	2,740	2,670	2,640	2,630
40.5	3,390	3,290	3,240	3,190	3,100	3,030	3,010	2,990
45.0	3,710	3,610	3,570	3,520	3,430	3,370	3,350	3,330
50.0	4,090	4,000	3,960	3,920	3,850	3,790	3,770	3,750
54.4	4,450	4,380	4,350	4,310	4,250	4,200	4,180	4,170
60.0		4,910	4,880	4,860	4,810	4,780	4,760	4,750
65.0			5,400	5,390	5,360	5,350	5,340	5,330

Current (A)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	5.3	5.2	5.1	5.1	4.9	4.9	4.8	4.8
35	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.2
40.5	6.2	6.1	6.1	6.0	5.9	5.8	5.8	5.8
45.0	6.7	6.6	6.5	6.5	6.4	6.3	6.3	6.2
50.0	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.8
54.4	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.4
60.0		8.3	8.3	8.3	8.2	8.2	8.1	8.1
65.0			9.0	8.9	8.9	8.9	8.9	8.9

MassFlow(kg/h)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	128.8	158.6	181.1	233.1	272.1	298.9	327.3	348.5
35	125.9	155.5	177.6	229.2	267.9	294.5	322.7	343.7
40.5	122.9	152.0	174.0	225.0	263.4	289.7	317.6	338.5
45.0	120.5	149.3	171.0	221.7	259.7	285.9	313.6	334.3
50.0	117.8	146.3	167.8	218.0	255.7	281.7	309.2	329.8
54.4	115.5	143.7	165.0	214.7	252.2	278.0	305.3	325.8
60.0		140.5	161.5	210.7	247.8	273.4	300.5	320.8
65.0			158.5	207.2	244.0	269.4	296.3	316.4

EER

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	2.28	3.13	3.67	4.29	5.87	7.39	8.04	8.57
35	2.16	2.91	3.38	3.92	5.28	6.54	7.11	7.52
40.5	2.02	2.67	3.07	3.53	4.65	5.69	6.14	6.49
45.0	1.91	2.48	2.83	3.23	4.20	5.06	5.44	5.74
50.0	1.79	2.30	2.59	2.93	3.73	4.45	4.76	5.01
54.4	1.70	2.14	2.40	2.69	3.37	3.98	4.24	4.43
60.0		1.96	2.17	2.41	2.97	3.45	3.66	3.82
65.0			2.00	2.20	2.66	3.05	3.22	3.34

Coefficients of Polynominal Formula

	Heating Capacity （W）	Input （W）	Current （A）	MassFlow (kg/h)
C1	1.492354E+04	1.700681E+03	3.300138E+00	3.130876E+02
C2	5.217004E+02	-4.899096E+00	-9.576553E-03	8.001156E+00
C3	-1.565087E+01	-5.939296E-01	2.829395E-02	-1.529741E+00
C4	7.127418E+00	4.468609E-02	2.770208E-05	5.189118E-03
C5	-4.200106E+00	-3.438056E-01	-2.631495E-04	-9.354209E-02
C6	7.952906E-02	8.727583E-01	8.864671E-04	7.906141E-03
C7	2.937461E-02	-3.173069E-04	-1.908963E-07	-1.740917E-03
C8	-6.652320E-02	-8.806220E-04	-6.548237E-07	-8.660550E-04
C9	3.831696E-03	5.773077E-03	5.376691E-06	7.343433E-04
C10	-4.969552E-08	8.982829E-08	1.330059E-10	-3.489742E-09

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)

S——EVAPORATING TEMP, °C

D——CONDENSING TEMP, °C