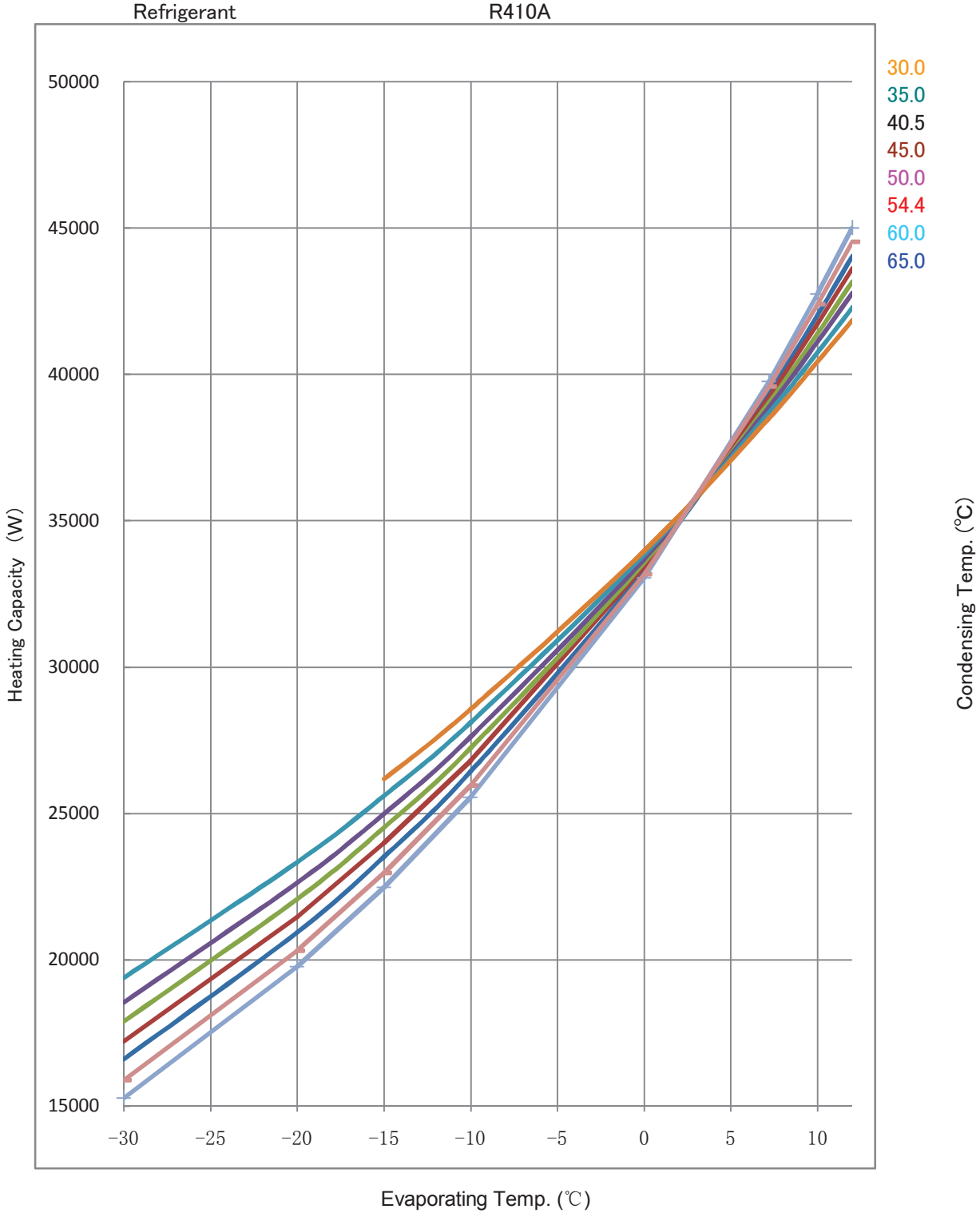
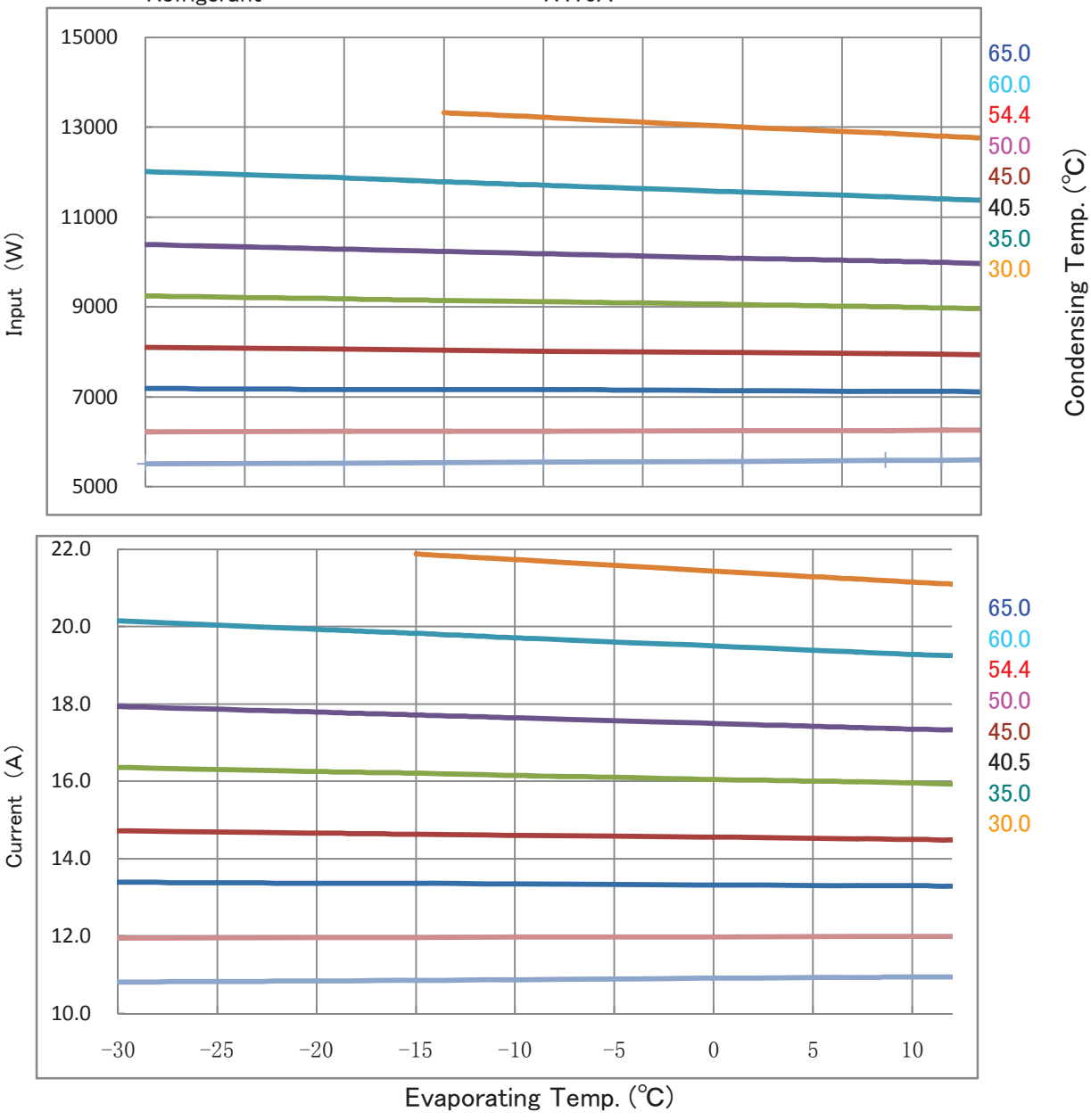
PERFORMANCE CURVE

Code No.	C-SCP315H38Q
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)	2
Compressor Cooling	Gas Injection
Refrigerant	R410A



PERFORMANCE CURVE

Code No.	C-SCP315H38Q
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)	2
Compressor Cooling	Gas Injection
Refrigerant	R410A



PERFORMANCE DATA

Code No.	C-SCP315H38Q
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)	2
Compressor Cooling	Gas Injection
Refrigerant	R410A

Heating Capacity (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	15,270	19,760	22,470	25,550	33,050	39,770	42,750	45,000
35	15,890	20,310	22,960	25,960	33,180	39,590	42,410	44,540
40.5	16,600	20,940	23,520	26,420	33,330	39,390	42,040	44,040
45.0	17,210	21,470	23,990	26,800	33,440	39,230	41,740	43,630
50.0	17,900	22,080	24,520	27,230	33,580	39,050	41,410	43,180
54.4	18,540	22,630	24,990	27,610	33,700	38,890	41,120	42,790
60.0	19,380	23,340	25,610	28,110	33,850	38,690	40,760	42,300
65.0			26,180	28,560	33,980	38,510	40,440	41,870

Input (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	5,510	5,530	5,540	5,550	5,570	5,590	5,590	5,600
35	6,230	6,240	6,240	6,240	6,250	6,250	6,260	6,260
40.5	7,190	7,170	7,160	7,160	7,140	7,130	7,130	7,120
45.0	8,100	8,060	8,040	8,020	7,990	7,960	7,950	7,940
50.0	9,250	9,180	9,150	9,120	9,050	9,000	8,980	8,970
54.4	10,390	10,290	10,240	10,190	10,090	10,020	9,990	9,970
60.0	12,020	11,870	11,790	11,710	11,560	11,450	11,410	11,380
65.0			13,320	13,220	13,010	12,860	12,800	12,760

Current (A)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	10.8	10.8	10.9	10.9	10.9	10.9	10.9	11.0
35	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
40.5	13.4	13.4	13.4	13.3	13.3	13.3	13.3	13.3
45.0	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.5
50.0	16.4	16.3	16.2	16.2	16.1	16.0	16.0	15.9
54.4	17.9	17.8	17.7	17.7	17.5	17.4	17.4	17.3
60.0	20.2	19.9	19.8	19.7	19.5	19.4	19.3	19.3
65.0			21.9	21.7	21.4	21.2	21.2	21.1

MassFlow(kg/H)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	−30	−20	−15	−10	0	7.2	10	12
30	155.3	234.2	287.3	349.5	501.2	633.0	689.3	731.3
35	154.9	230.3	282.1	343.4	494.2	626.1	682.6	724.8
40.5	154.5	226.1	276.6	336.8	486.5	618.6	675.4	717.8
45.0	154.1	222.7	272.1	331.5	480.4	612.5	669.5	712.1
50.0	153.7	219.1	267.2	325.7	473.7	605.8	663.0	705.8
54.4	153.4	215.9	263.0	320.7	467.8	600.0	657.3	700.3
60.0	153.0	211.9	257.7	314.4	460.5	592.7	650.2	693.4
65.0			253.1	308.9	454.1	586.2	643.9	687.2

EER

Condensing Temp. (℃) \ Evaporating Temp. (℃)	−30	−20	−15	−10	0	7.2	10	12
30	2.77	3.57	4.06	4.60	5.93	7.11	7.65	8.04
35	2.55	3.25	3.68	4.16	5.31	6.33	6.77	7.12
40.5	2.31	2.92	3.28	3.69	4.67	5.52	5.90	6.19
45.0	2.12	2.66	2.98	3.34	4.19	4.93	5.25	5.49
50.0	1.94	2.41	2.68	2.99	3.71	4.34	4.61	4.81
54.4	1.78	2.20	2.44	2.71	3.34	3.88	4.12	4.29
60.0	1.61	1.97	2.17	2.40	2.93	3.38	3.57	3.72
65.0			1.97	2.16	2.61	2.99	3.16	3.28

Coefficients of Polynominal Formula

	Heating Capacity （W）	Input （W）	Current （A）	MassFlow (kg/h)
C1	3.269002E+04	4.043348E+03	7.292497E+00	5.458422E+02
C2	1.066509E+03	-3.464372E+00	1.370689E-03	1.727022E+01
C3	1.042918E+01	-2.265731E+01	3.873801E-02	-1.563508E+00
C4	1.395259E+01	-2.747594E-03	-2.997379E-05	1.467023E-01
C5	-6.951011E+00	5.557610E-01	4.902393E-04	-1.025019E-02
C6	1.344910E-01	2.462556E+00	2.742657E-03	2.364668E-03
C7	5.344139E-02	-1.343261E-04	-2.182093E-07	-1.562024E-06
C8	-1.246006E-01	2.607443E-05	5.563829E-07	1.194109E-03
C9	-5.699450E-03	-1.247104E-02	-1.444687E-05	4.007567E-05
C10	5.872348E-08	2.934935E-07	4.128963E-10	-1.173303E-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