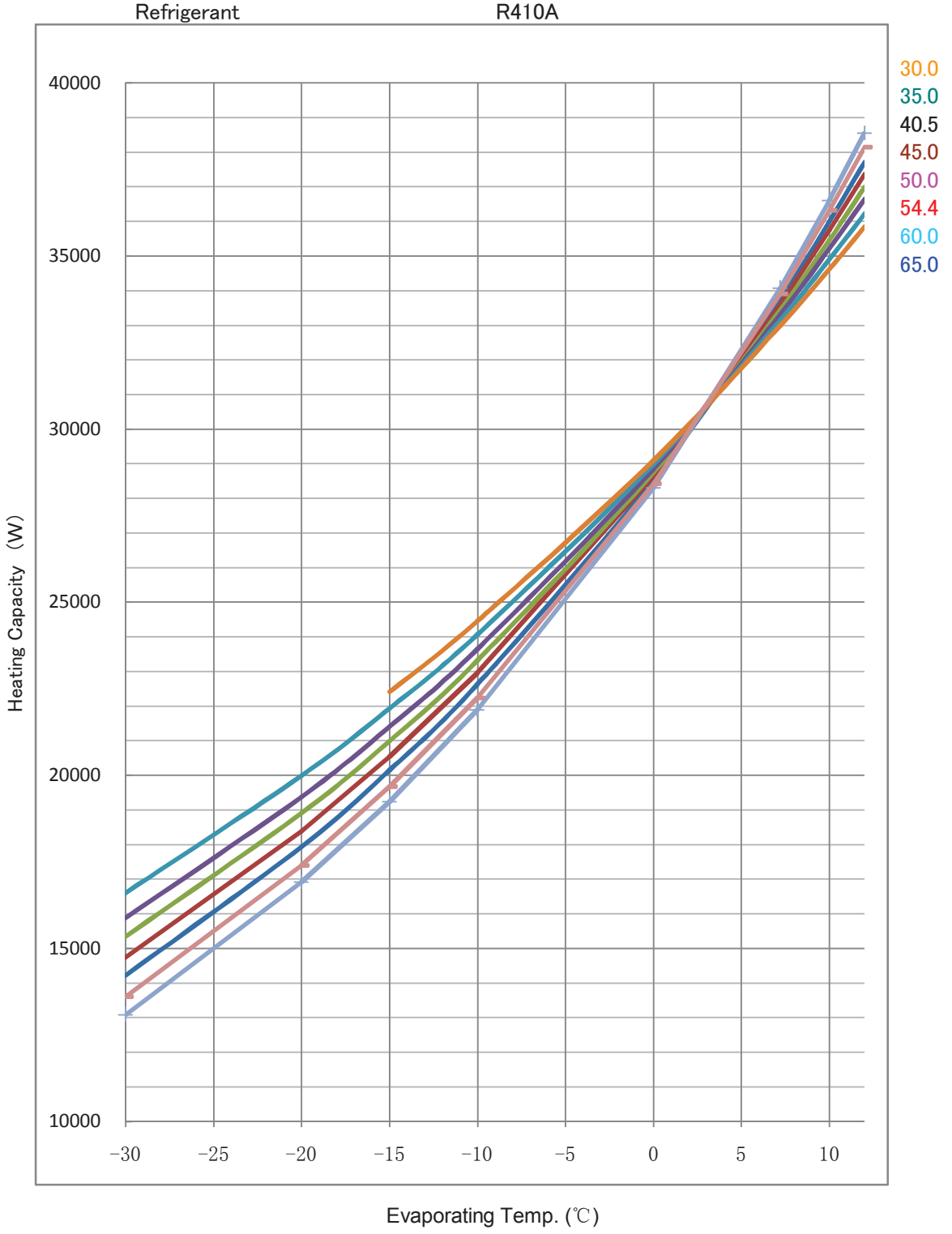
PERFORMANCE CURVE

Code No.	C-SCP270H38Q
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



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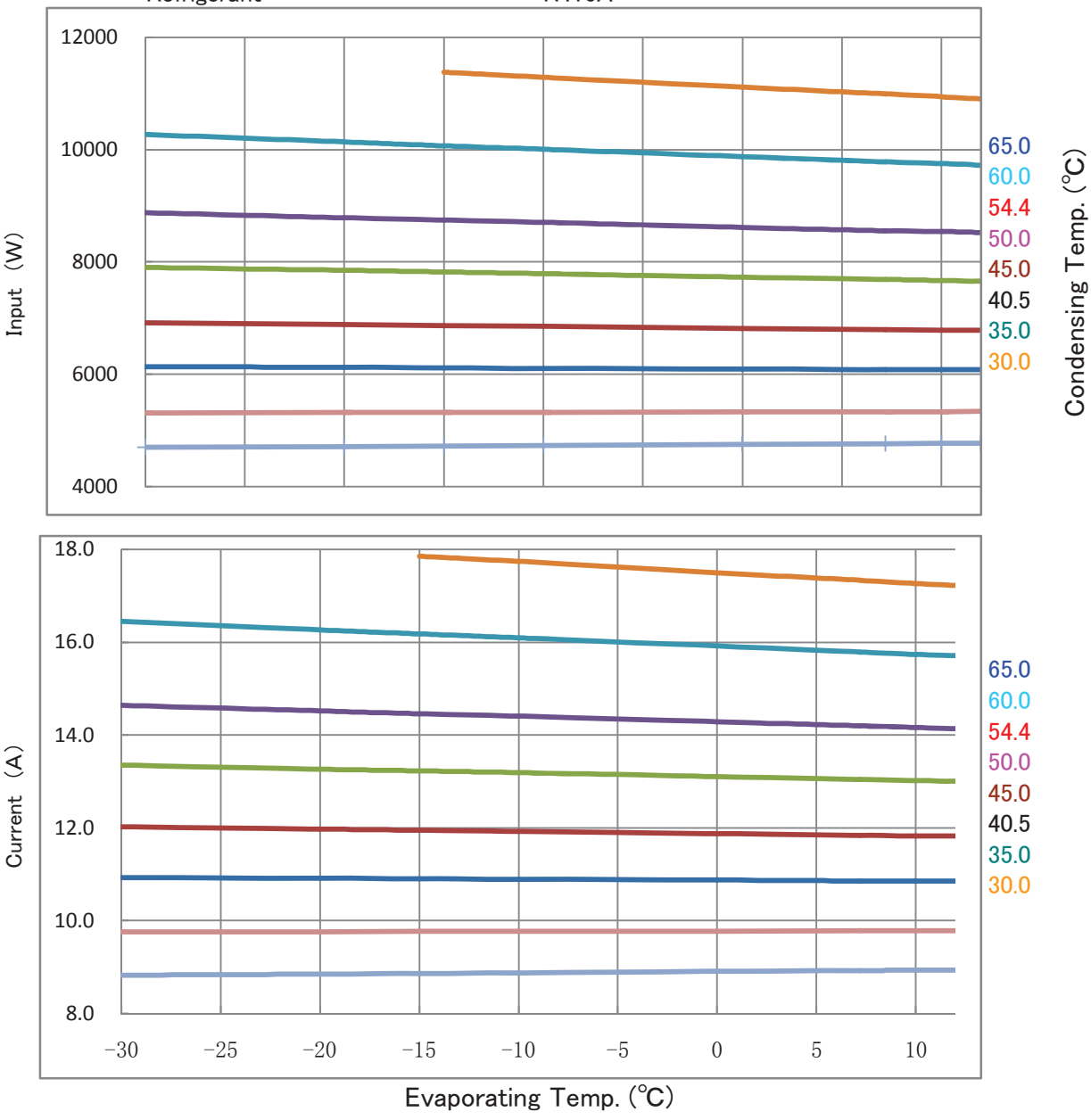

PERFORMANCE DATA

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Refrigerant	R410A

Heating Capacity (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	13,080	16,920	19,240	21,890	28,310	34,070	36,610	38,550
35	13,610	17,400	19,670	22,240	28,420	33,910	36,320	38,150
40.5	14,220	17,940	20,150	22,630	28,540	33,740	36,010	37,720
45.0	14,740	18,390	20,550	22,950	28,650	33,600	35,750	37,370
50.0	15,340	18,910	21,000	23,320	28,760	33,450	35,470	36,990
54.4	15,880	19,380	21,410	23,650	28,860	33,310	35,220	36,650
60.0	16,600	19,990	21,940	24,070	28,990	33,140	34,910	36,230
65.0			22,420	24,460	29,100	32,990	34,630	35,860

Input (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	4,710	4,720	4,730	4,740	4,760	4,770	4,780	4,780
35	5,320	5,330	5,330	5,330	5,340	5,340	5,340	5,350
40.5	6,140	6,130	6,120	6,110	6,100	6,090	6,090	6,090
45.0	6,920	6,890	6,870	6,860	6,820	6,800	6,790	6,790
50.0	7,900	7,850	7,820	7,790	7,730	7,690	7,670	7,660
54.4	8,880	8,790	8,750	8,710	8,620	8,560	8,540	8,520
60.0	10,270	10,140	10,070	10,010	9,880	9,780	9,750	9,720
65.0			11,380	11,290	11,110	10,990	10,940	10,900

Current (A)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9
35	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
40.5	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
45.0	12.0	12.0	11.9	11.9	11.9	11.8	11.8	11.8
50.0	13.4	13.3	13.2	13.2	13.1	13.0	13.0	13.0
54.4	14.6	14.5	14.5	14.4	14.3	14.2	14.2	14.1
60.0	16.5	16.3	16.2	16.1	15.9	15.8	15.7	15.7
65.0			17.9	17.7	17.5	17.3	17.3	17.2

MassFlow(kg/H)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	−30	−20	−15	−10	0	7.2	10	12
30	133.0	200.6	246.1	299.4	429.3	542.2	590.5	626.5
35	132.7	197.3	241.7	294.2	423.3	536.3	584.8	620.9
40.5	132.3	193.7	236.9	288.5	416.8	529.9	578.6	614.9
45.0	132.0	190.8	233.1	284.0	411.5	524.7	573.5	610.0
50.0	131.7	187.7	228.9	279.0	405.8	519.0	568.0	604.6
54.4	131.4	184.9	225.3	274.7	400.8	514.0	563.1	599.9
60.0	131.0	181.5	220.8	269.3	394.5	507.7	557.0	594.0
65.0			216.8	264.6	389.0	502.2	551.6	588.7

EER

Condensing Temp. (℃) \ Evaporating Temp. (℃)	−30	−20	−15	−10	0	7.2	10	12
30	2.78	3.58	4.07	4.62	5.95	7.14	7.66	8.06
35	2.56	3.26	3.69	4.17	5.32	6.35	6.80	7.13
40.5	2.32	2.93	3.29	3.70	4.68	5.54	5.91	6.19
45.0	2.13	2.67	2.99	3.35	4.20	4.94	5.27	5.50
50.0	1.94	2.41	2.69	2.99	3.72	4.35	4.62	4.83
54.4	1.79	2.20	2.45	2.72	3.35	3.89	4.12	4.30
60.0	1.62	1.97	2.18	2.40	2.93	3.39	3.58	3.73
65.0			1.97	2.17	2.62	3.00	3.17	3.29

Coefficients of Polynominal Formula

	Heating Capacity （W）	Input （W）	Current （A）	MassFlow (kg/h)
C1	2.800280E+04	3.450958E+03	5.951839E+00	4.675993E+02
C2	9.140720E+02	-2.285146E+00	1.142626E-03	1.479426E+01
C3	8.891179E+00	-1.935487E+01	3.159291E-02	-1.339164E+00
C4	1.194026E+01	2.220545E-03	-2.500067E-05	1.256796E-01
C5	-5.985168E+00	4.388411E-01	3.987701E-04	-8.752995E-03
C6	1.144389E-01	2.105281E+00	2.238476E-03	2.023116E-03
C7	4.587311E-02	1.105568E-05	-1.813200E-07	-1.288978E-06
C8	-1.063795E-01	-5.799770E-05	4.633787E-07	1.022884E-03
C9	-4.488475E-03	-1.025251E-02	-1.177371E-05	3.400396E-05
C10	6.324166E-08	2.438767E-07	3.279519E-10	-8.673286E-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)

S——EVAPORATING TEMP, °C

D——CONDENSING TEMP, °C