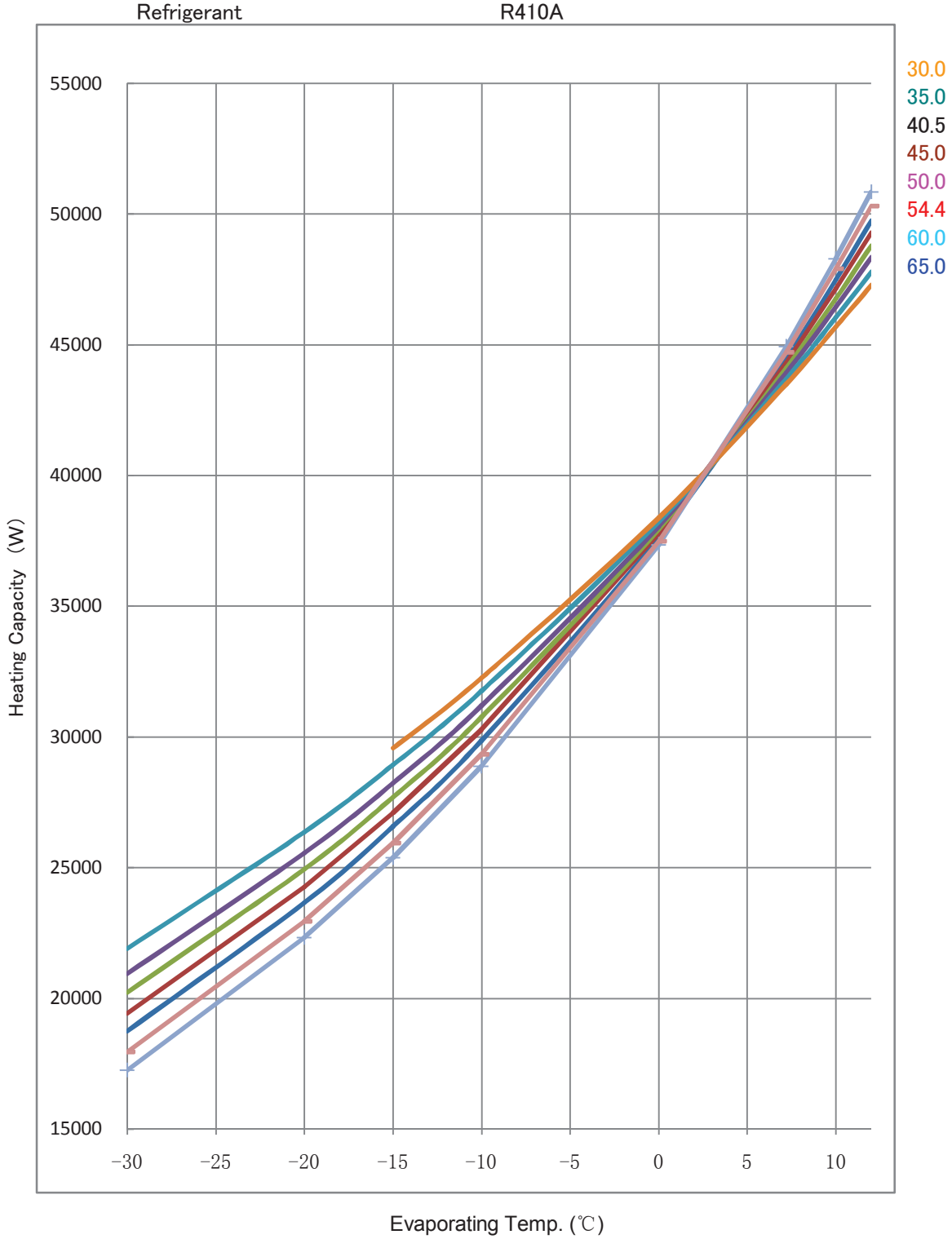
PERFORMANCE CURVE

Code No.	C-SCP360H38Q
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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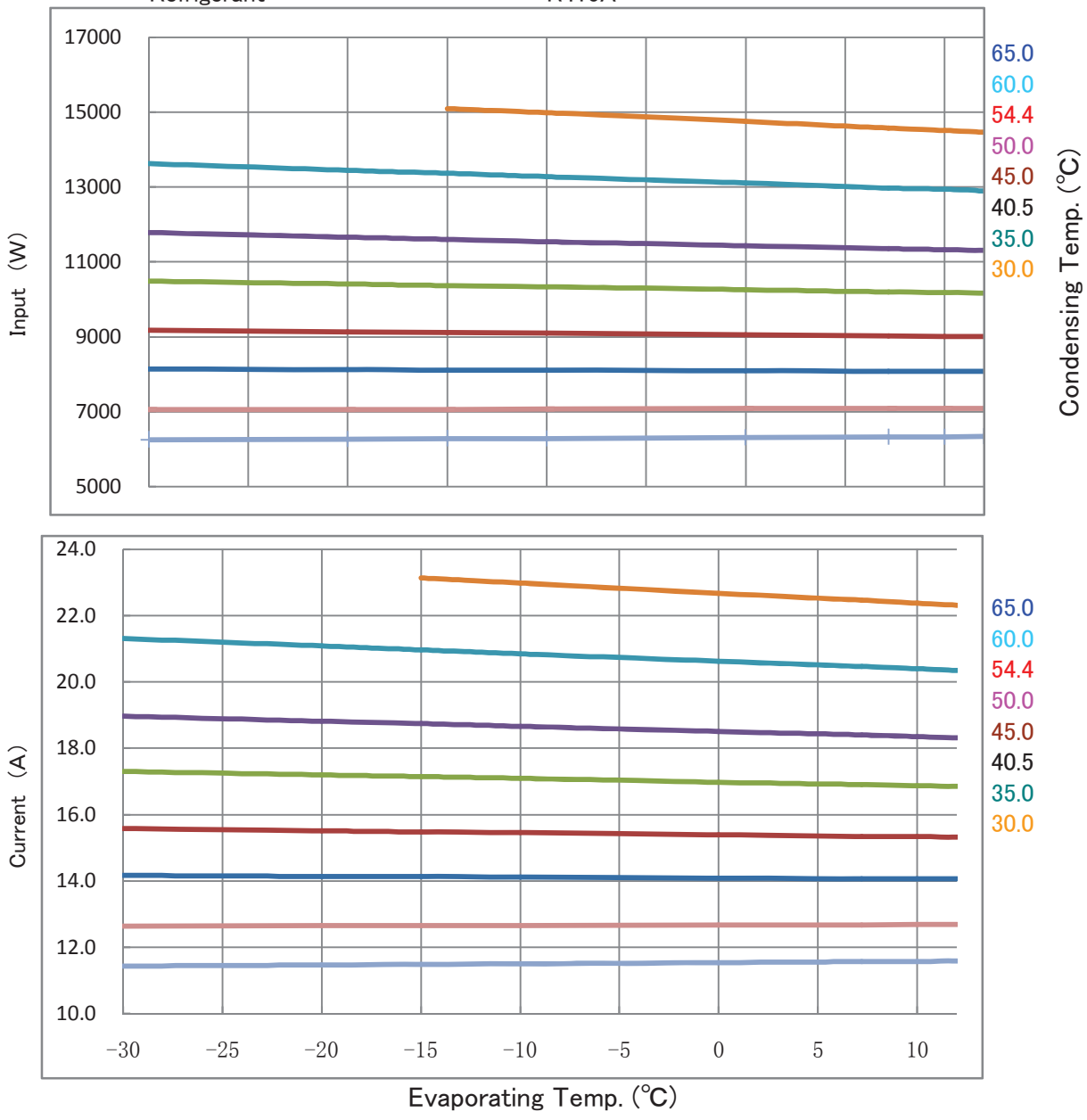

PERFORMANCE DATA

Code No.	C-SCP360H38Q
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Refrigerant	R410A

Heating Capacity (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	17,260	22,320	25,380	28,870	37,340	44,940	48,300	50,850
35	17,960	22,950	25,950	29,330	37,490	44,730	47,910	50,320
40.5	18,760	23,660	26,580	29,850	37,650	44,510	47,500	49,750
45.0	19,440	24,260	27,100	30,280	37,790	44,320	47,160	49,290
50.0	20,230	24,950	27,700	30,760	37,940	44,120	46,780	48,790
54.4	20,950	25,560	28,240	31,200	38,070	43,940	46,460	48,350
60.0	21,900	26,370	28,940	31,760	38,240	43,710	46,050	47,790
65.0			29,580	32,260	38,390	43,510	45,690	47,300

Input (W)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	6,250	6,270	6,280	6,290	6,320	6,340	6,340	6,350
35	7,060	7,070	7,070	7,080	7,090	7,090	7,090	7,090
40.5	8,150	8,130	8,120	8,110	8,100	8,090	8,080	8,080
45.0	9,180	9,140	9,120	9,100	9,060	9,030	9,010	9,010
50.0	10,490	10,410	10,370	10,340	10,260	10,210	10,190	10,170
54.4	11,780	11,670	11,610	11,550	11,440	11,360	11,330	11,310
60.0	13,630	13,450	13,370	13,280	13,110	12,980	12,940	12,900
65.0			15,100	14,990	14,750	14,580	14,520	14,470

Current (A)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	-30	-20	-15	-10	0	7.2	10	12
30	11.4	11.5	11.5	11.5	11.5	11.6	11.6	11.6
35	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7
40.5	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.1
45.0	15.6	15.5	15.5	15.5	15.4	15.3	15.3	15.3
50.0	17.3	17.2	17.1	17.1	17.0	16.9	16.9	16.9
54.4	19.0	18.8	18.7	18.7	18.5	18.4	18.4	18.3
60.0	21.3	21.1	21.0	20.9	20.6	20.5	20.4	20.4
65.0			23.1	23.0	22.7	22.5	22.4	22.3

MassFlow(kg/H)

Condensing Temp. (℃) \ Evaporating Temp. (℃)	−30	−20	−15	−10	0	7.2	10	12
30	179.4	270.5	331.8	403.6	578.9	731.1	796.1	844.6
35	178.9	266.0	325.9	396.6	570.8	723.1	788.4	837.2
40.5	178.4	261.2	319.4	389.0	562.0	714.4	780.0	829.1
45.0	178.0	257.3	314.3	382.9	554.9	707.4	773.2	822.5
50.0	177.6	253.0	308.6	376.2	547.1	699.7	765.7	815.2
54.4	177.2	249.3	303.7	370.4	540.4	693.0	759.2	808.8
60.0	176.7	244.7	297.6	363.1	531.9	684.6	751.0	800.8
65.0			292.3	356.8	524.5	677.1	743.7	793.8

EER

Condensing Temp. (℃) \ Evaporating Temp. (℃)	−30	−20	−15	−10	0	7.2	10	12
30	2.76	3.56	4.04	4.59	5.91	7.09	7.62	8.01
35	2.54	3.25	3.67	4.14	5.29	6.31	6.76	7.10
40.5	2.30	2.91	3.27	3.68	4.65	5.50	5.88	6.16
45.0	2.12	2.65	2.97	3.33	4.17	4.91	5.23	5.47
50.0	1.93	2.40	2.67	2.97	3.70	4.32	4.59	4.80
54.4	1.78	2.19	2.43	2.70	3.33	3.87	4.10	4.27
60.0	1.61	1.96	2.16	2.39	2.92	3.37	3.56	3.70
65.0			1.96	2.15	2.60	2.98	3.15	3.27

Coefficients of Polynominal Formula

	Heating Capacity （W）	Input （W）	Current （A）	MassFlow (kg/h)
C1	3.693738E+04	4.584395E+03	7.712996E+00	6.304657E+02
C2	1.205456E+03	-4.034673E+00	1.485433E-03	1.994758E+01
C3	1.168600E+01	-2.557694E+01	4.090079E-02	-1.806644E+00
C4	1.578325E+01	-2.582823E-02	-3.201749E-05	1.694323E-01
C5	-7.863302E+00	6.351578E-01	5.165995E-04	-1.186250E-02
C6	1.524837E-01	2.790763E+00	2.900974E-03	2.739690E-03
C7	6.021324E-02	-6.133465E-04	-2.318204E-07	-1.916630E-06
C8	-1.412189E-01	2.145458E-04	5.944646E-07	1.379301E-03
C9	-6.455540E-03	-1.416243E-02	-1.525584E-05	4.656014E-05
C10	7.732224E-08	3.233719E-07	4.198601E-10	-1.618930E-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