PERFORMANCE DATA

Compressor Model	**C-SBS160H38A**
Power Source	**3PH 50Hz 380V**
Suction Gas Superheat(K)	**11.1**
Sub Cooling(K)	**8.3**
Compressor Cooling	**Natural Cooling**
Refrigerant	**R407C**

CAPACITY(W)

Condensing Temperature(℃)	Evaporating Temperature(℃)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	7,560	9,150	10,380	13,410	15,860	17,650	19,640	21,200
40.5	6,950	8,410	9,540	12,310	14,560	16,200	18,030	19,450
45.0	6,480	7,840	8,890	11,470	13,570	15,090	16,790	18,120
50.0	6,000	7,250	8,220	10,600	12,530	13,940	15,510	16,730
54.4		6,770	7,670	9,890	11,690	13,000	14,460	15,600
60.0			7,030	9,060	10,700	11,900	13,230	14,270
65.0				8,380	9,900	11,000	12,230	13,190

POWER(W)

Condensing Temperature(℃)	Evaporating Temperature(℃)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	2,780	2,740	2,730	2,710	2,710	2,710	2,720	2,720
40.5	3,090	3,070	3,050	3,040	3,040	3,040	3,050	3,060
45.0	3,390	3,370	3,360	3,360	3,360	3,360	3,370	3,370
50.0	3,750	3,750	3,750	3,750	3,760	3,760	3,760	3,760
54.4		4,120	4,130	4,140	4,150	4,150	4,150	4,150
60.0			4,660	4,690	4,700	4,700	4,700	4,690
65.0				5,230	5,240	5,240	5,230	5,230

CURRENT(A)

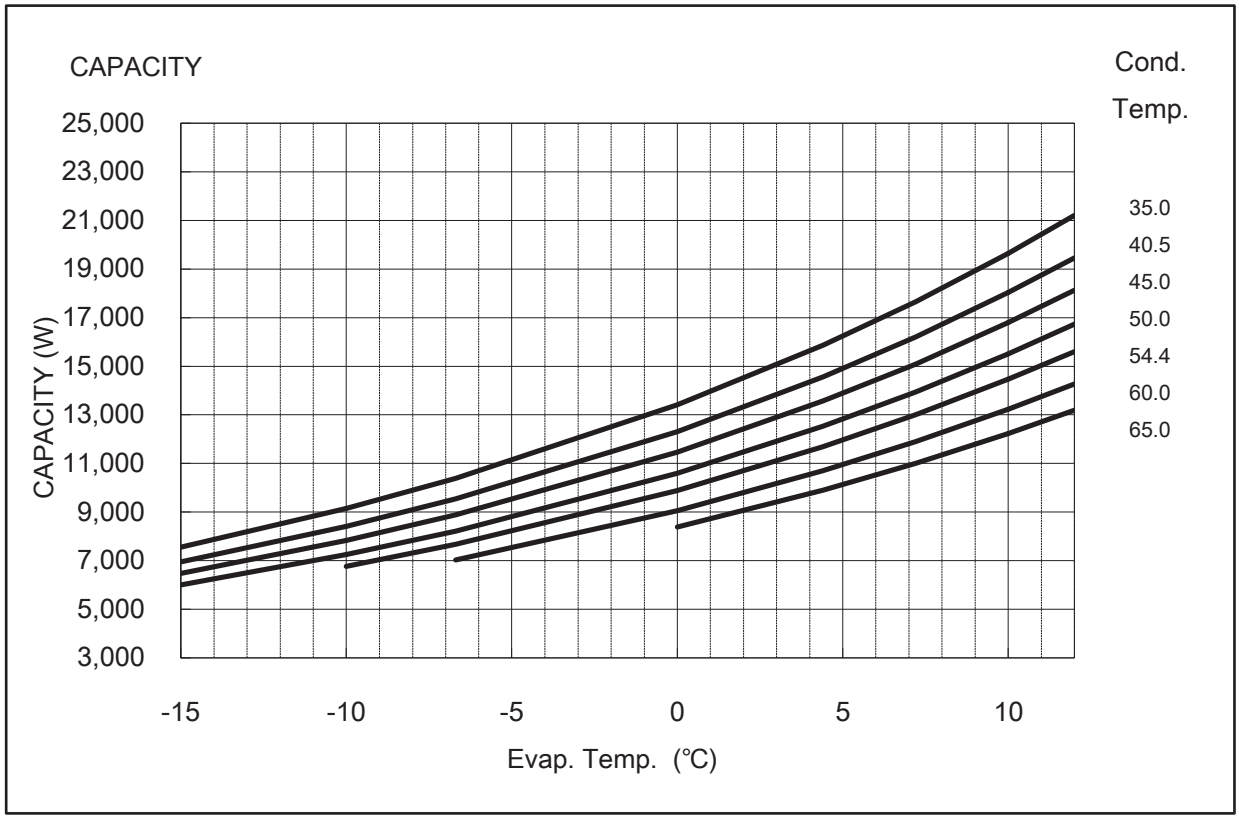
Condensing Temperature(℃)	Evaporating Temperature(℃)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.3
40.5	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8
45.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
50.0	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9
54.4		7.4	7.4	7.4	7.4	7.4	7.4	7.4
60.0			8.1	8.1	8.2	8.2	8.1	8.1
65.0				8.9	8.9	8.9	8.9	8.9

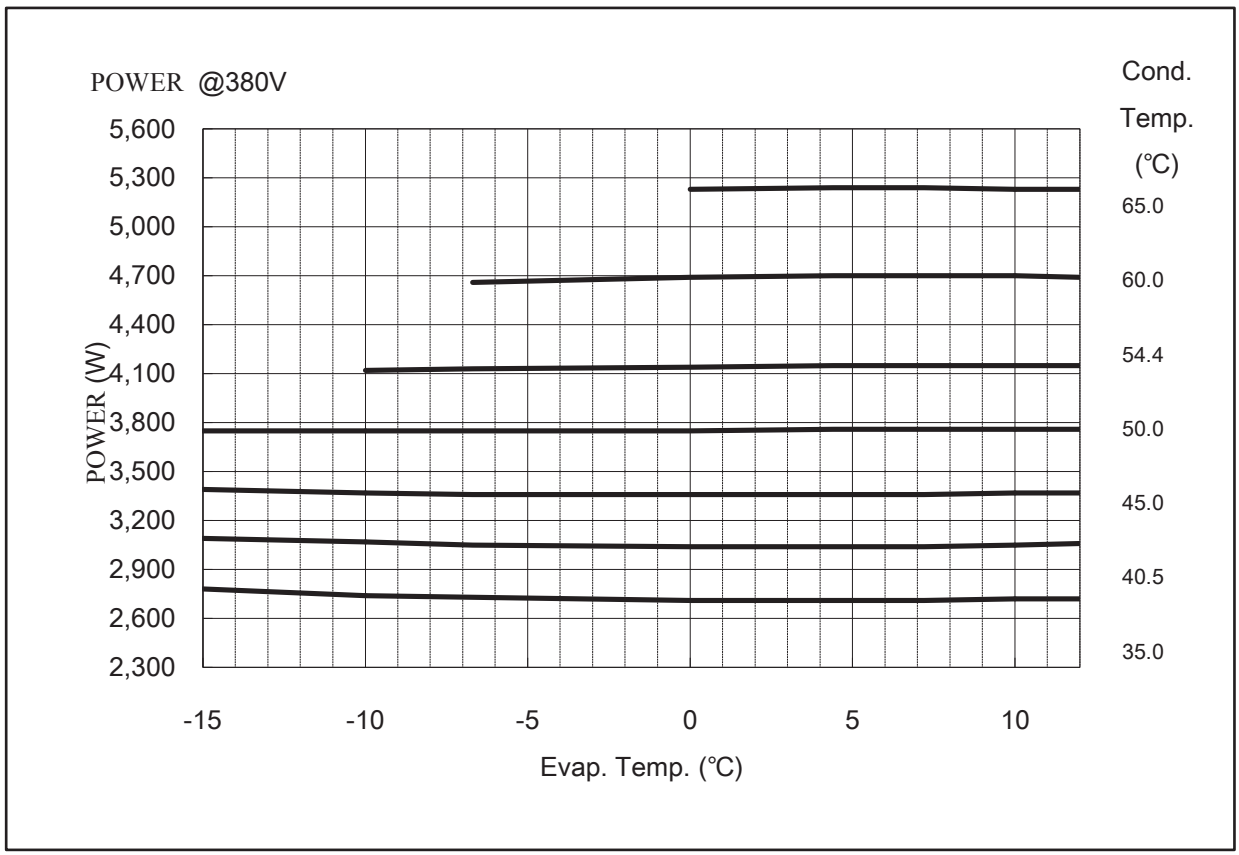
MASS FLOW(kg/h)

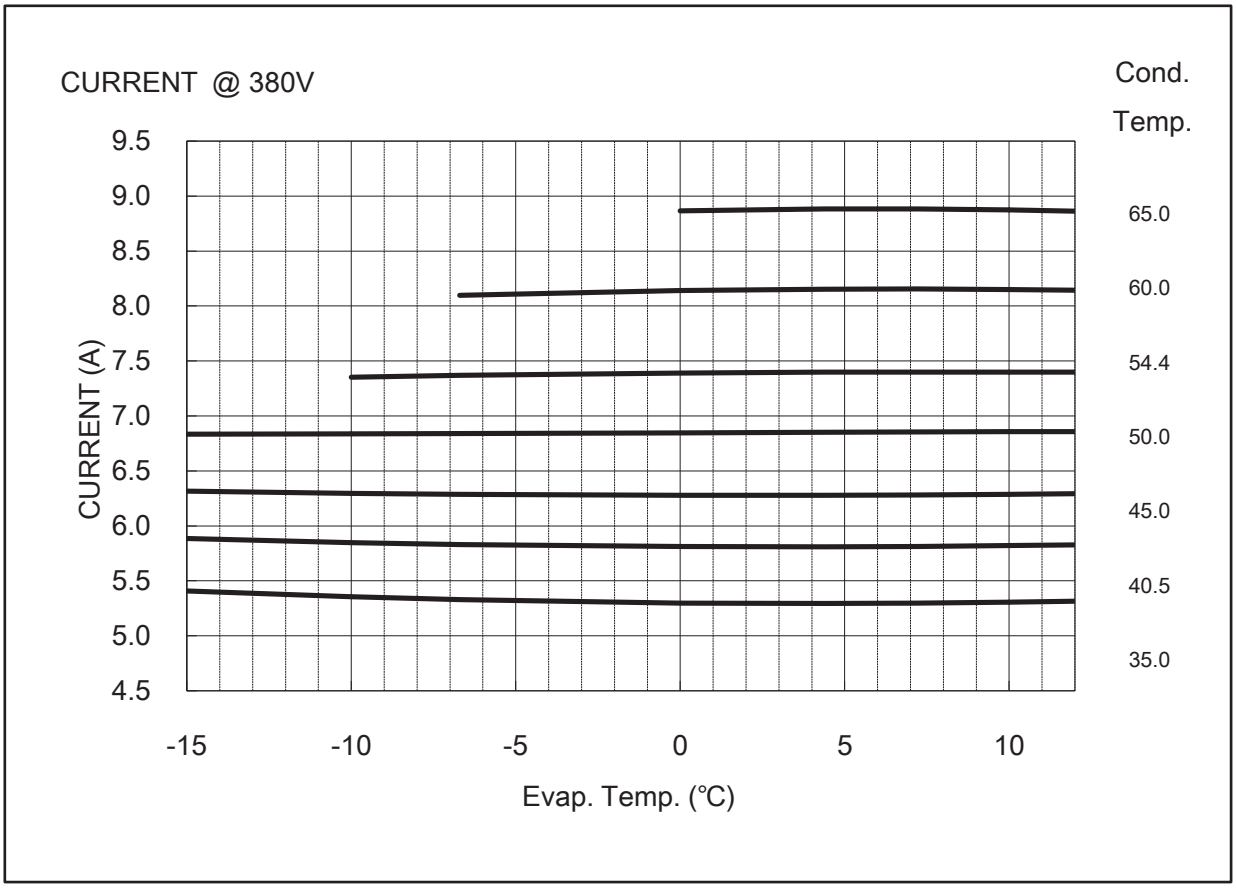
Condensing Temperature(℃)	Evaporating Temperature(℃)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	154	183	205	258	301	331	365	391
40.5	150	178	199	251	292	322	355	380
45.0	147	174	195	246	286	315	347	371
50.0	143	170	190	240	279	307	338	362
54.4		166	186	234	273	300	330	354
60.0			181	228	265	292	321	344
65.0				222	258	284	313	335

Compressor Model(Code) **C-SBS160H38A**

Power Source **3PH 50Hz 380V**







COEFFICIENTS OF PERFORMANCE CURVES

Compressor Model	**C-SBS160H38A**
Power Source	**3PH 50Hz 380V**
Suction Gas Superheat (K)	**11.1**
Sub Cooling (K)	**8.3**
Compressor Cooling	**Natural Cooling**
Refrigerant	**R407C**

$X=C1+C2*(S)+C3*D+C4*(S^2)+C5*(S*D)+C6*(D^2)+C7*(S^3)+C8*(D*S^2)+C9*(S*D^2)+C10*(D^3)$

X——CAPACITY(W) OR POWER(W) OR CURRENT(A) OR FLOW(kg/h)

S——EVAPORATING TEMP, °C

D——CONDENSING TEMP, °C

380V-50Hz	CAPACITY (W)	POWER (W)	CURRENT (A)	FLOW (kg/h)
1	2.228058E+04	1.902503E+03	3.456887E+00	3.069585E+02
2	8.757531E+02	-1.901594E+00	-3.910400E-03	1.085288E+01
3	-3.000712E+02	-9.885655E+00	1.686478E-02	-1.500045E+00
4	1.463218E+01	8.071802E-01	1.262967E-03	1.869499E-01
5	-1.230067E+01	-4.336196E-02	-6.712255E-05	-5.990095E-02
6	1.328390E+00	9.387876E-01	1.019686E-03	3.011536E-03
7	1.035349E-01	-2.647639E-03	-1.442863E-06	1.628324E-03
8	-1.355072E-01	-1.613966E-02	-2.581202E-05	-8.604242E-04
9	5.663379E-02	1.982864E-03	3.324388E-06	1.498941E-04
10	-2.319991E-08	-6.354715E-10	5.294839E-12	8.616898E-11

Note: **1、The polynomial coefficients subject to change without notice.**

2、The compressor being tested under middle point condition.