PERFORMANCE DATA

Compressor Model	C-SBS145H15C
Power Source	3PH 50Hz 220V
Suction Gas Superheat(K)	11.1
Sub Cooling(K)	8.3
Compressor Cooling	Natural Cooling
Refrigerant	R407C

CAPACITY(W)

Condensing	Evaporating Temperature(℃)							
Temperature(℃)	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	6,310	7,770	8,910	11,790	14,160	15,910	17,880	19,440
40.5	5,830	7,180	8,240	10,890	13,080	14,700	16,520	17,960
45.0	5,470	6,730	7,720	10,210	12,260	13,770	15,470	16,820
50.0	5,090	6,260	7,180	9,490	11,390	12,800	14,380	15,630
54.4		5,870	6,740	8,900	10,680	12,000	13,480	14,650
60.0			6,210	8,200	9,840	11,060	12,420	13,490
65.0				7,630	9,160	10,290	11,550	12,550

POWER(W)

Condensing	Evaporating Temperature(℃)							
Temperature(℃)	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	2,480	2,480	2,480	2,480	2,480	2,480	2,470	2,470
40.5	2,810	2,810	2,810	2,810	2,810	2,800	2,800	2,790
45.0	3,130	3,130	3,130	3,130	3,120	3,110	3,110	3,100
50.0	3,530	3,540	3,530	3,530	3,520	3,510	3,500	3,490
54.4		3,930	3,930	3,920	3,910	3,900	3,890	3,880
60.0			4,500	4,480	4,470	4,450	4,440	4,430
65.0				5,040	5,020	5,000	4,980	4,970

CURRENT(A)

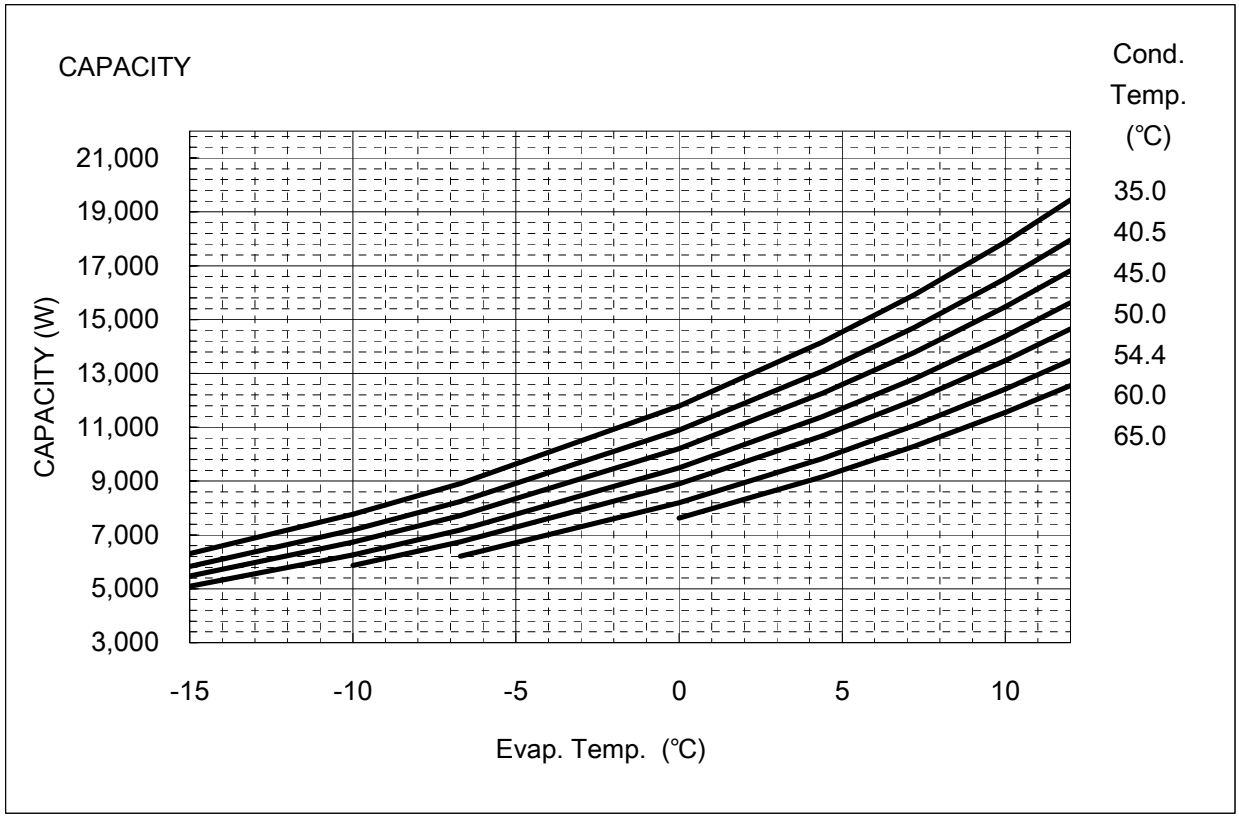
Condensing	Evaporating Temperature(℃)							
Temperature(℃)	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
40.5	12.9	12.9	12.9	12.9	12.8	12.8	12.8	12.8
45.0	14.3	14.3	14.3	14.3	14.3	14.3	14.2	14.2
50.0	16.2	16.2	16.2	16.2	16.1	16.1	16.0	16.0
54.4		18.1	18.0	18.0	17.9	17.9	17.8	17.8
60.0			20.7	20.6	20.5	20.5	20.4	20.3
65.0				23.2	23.1	23.0	22.9	22.9

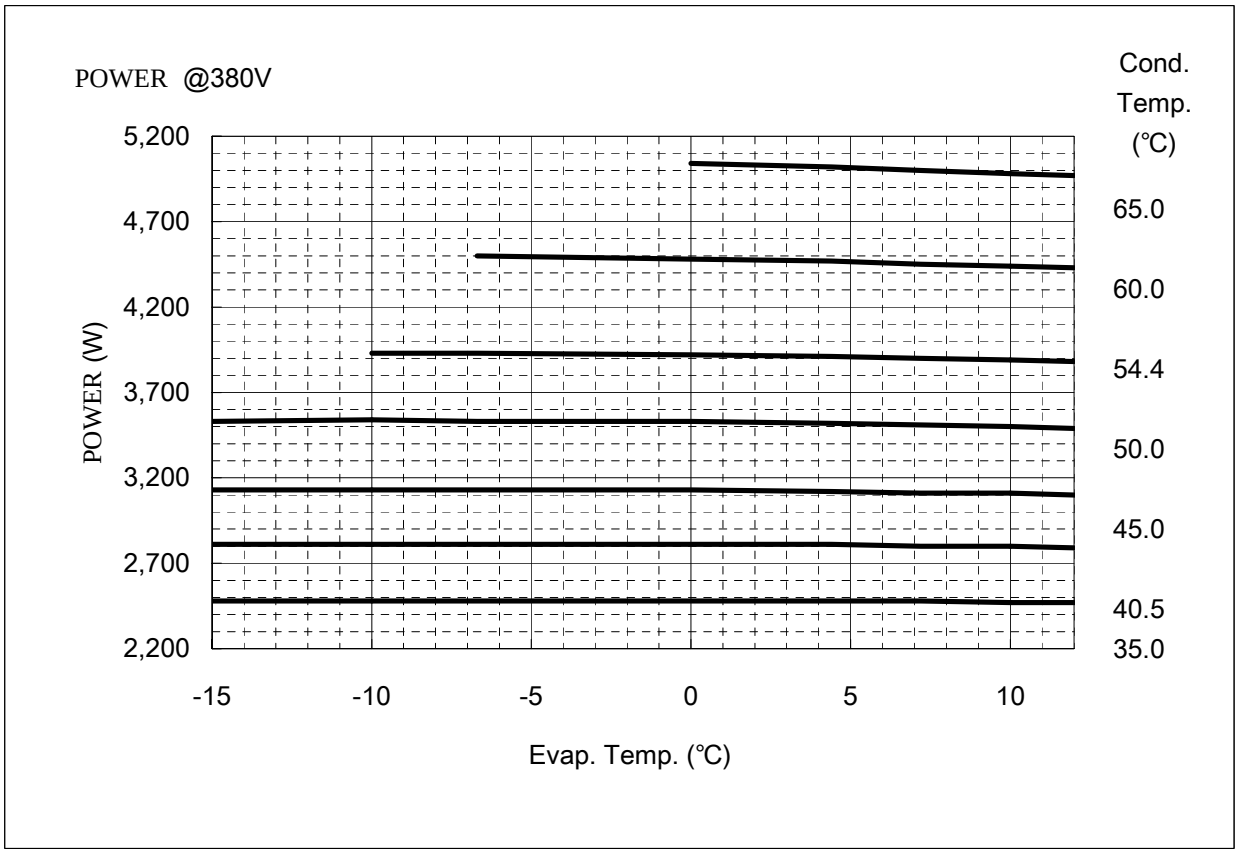
REFRIG FLOW(kg/h)

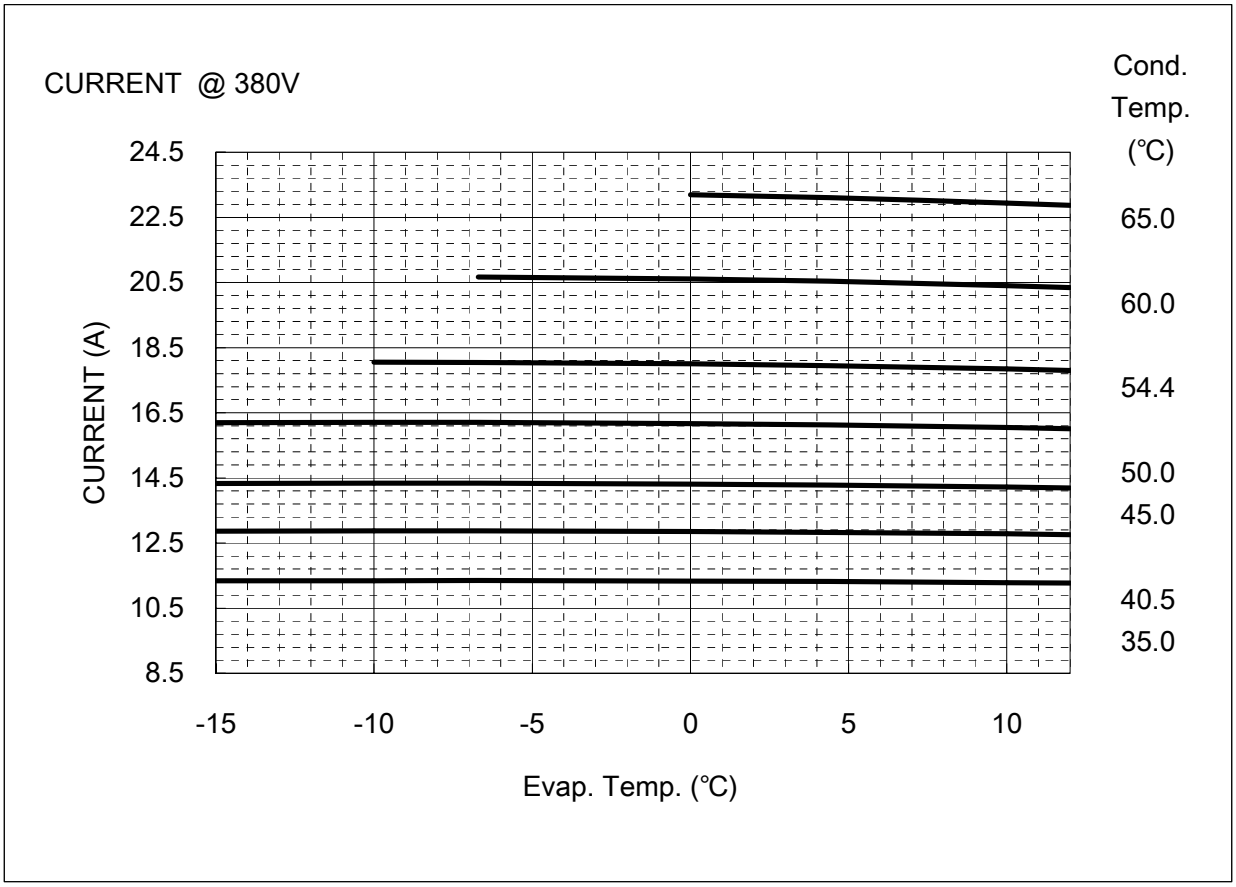
Condensing	Evaporating Temperature(℃)							
Temperature(℃)	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	130	158	179	231	273	304	339	366
40.5	128	155	176	227	268	298	332	358
45.0	126	153	173	223	264	293	326	352
50.0	125	151	170	219	259	288	320	345
54.4		149	168	216	255	283	314	339
60.0			165	212	250	277	308	331
65.0				208	245	272	302	325

Compressor Model(Code) **C-SBS145H15C**

Power Source **3PH 50Hz 220V**







COEFFICIENTS OF PERFORMANCE CURVES

Compressor Model	**C-SBS145H15C**
Power Source	**3PH 50Hz 220V**
Suction Gas Superheat (K)	**11.1**
Sub Cooling (K)	**8.3**
Compressor Cooling	**Natural Cooling**
Refrigerant	**R407C**

X=C1+C2*(S)+C3*D+C4*(S2)+C5*(S*D)+C6*(D2)+C7*(S3)+C8*(D*S2)+C9*(S*D2) +C10*(D3)
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	1.890147E+04	1.854202E+03	8.529177E+00	2.604735E+02
2	8.139523E+02	-1.635509E+00	-8.982828E-03	1.052584E+01
3	-2.386321E+02	-1.832843E+01	-8.966212E-02	-8.950514E-01
4	1.513926E+01	6.382246E-02	4.745354E-04	2.059729E-01
5	-1.083445E+01	1.273146E-01	5.228649E-04	-5.174045E-02
6	1.004993E+00	1.035605E+00	4.849435E-03	1.416327E-03
7	1.196885E-01	-1.525597E-03	-1.144619E-06	1.966578E-03
8	-1.341300E-01	-3.180437E-03	-1.854365E-05	-9.425044E-04
9	4.863552E-02	-2.490210E-03	-1.006077E-05	1.291036E-04
10	-6.060268E-09	-1.567268E-09	8.307274E-12	4.664416E-11