

## PERFORMANCE DATA

Compressor Model(Code)	<b>C-SBN301H5A (809 940 45)</b>
Power Source	<b>1PH 50Hz 220-240V</b>
Suction Gas Superheat(K)	<b>9</b>
Sub Cooling(K)	<b>8.3</b>
Compressor Cooling	<b>Natural Cooling</b>
Refrigerant	<b>R407C</b>



## CAPACITY(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	5,960	7,290	8,330	10,920	13,050	14,610	16,360	17,730
40.5	5,680	6,930	7,900	10,320	12,300	13,750	15,370	16,650
45.0	5,460	6,650	7,570	9,850	11,720	13,090	14,610	15,810
50.0	5,220	6,340	7,210	9,360	11,110	12,390	13,810	14,930
54.4		6,090	6,910	8,950	10,600	11,800	13,140	14,190
60.0			6,550	8,450	9,980	11,100	12,340	13,310
65.0				8,030	9,470	10,510	11,670	12,580

## POWER(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	2,720	2,720	2,720	2,720	2,730	2,730	2,730	2,730
40.5	3,020	3,020	3,020	3,030	3,040	3,040	3,040	3,040
45.0	3,290	3,300	3,300	3,310	3,320	3,320	3,330	3,330
50.0	3,620	3,630	3,640	3,650	3,660	3,670	3,670	3,680
54.4		3,960	3,960	3,980	3,990	4,000	4,010	4,010
60.0			4,410	4,430	4,450	4,460	4,470	4,470
65.0				4,870	4,890	4,900	4,910	4,920

## CURRENT(A)

@220V

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	13.8	13.8	13.8	13.8	13.8	13.9	13.9	13.9
40.5	15.1	15.1	15.2	15.2	15.2	15.2	15.3	15.3
45.0	16.3	16.3	16.4	16.4	16.5	16.5	16.5	16.5
50.0	17.7	17.8	17.8	17.9	17.9	18.0	18.0	18.0
54.4		19.1	19.2	19.3	19.4	19.4	19.4	19.5
60.0			21.1	21.2	21.3	21.4	21.4	21.5
65.0				23.0	23.2	23.2	23.3	23.4

## NOTE:

- \* The performance values subject to change without notice.
- \* The performance values are based on MID point method.

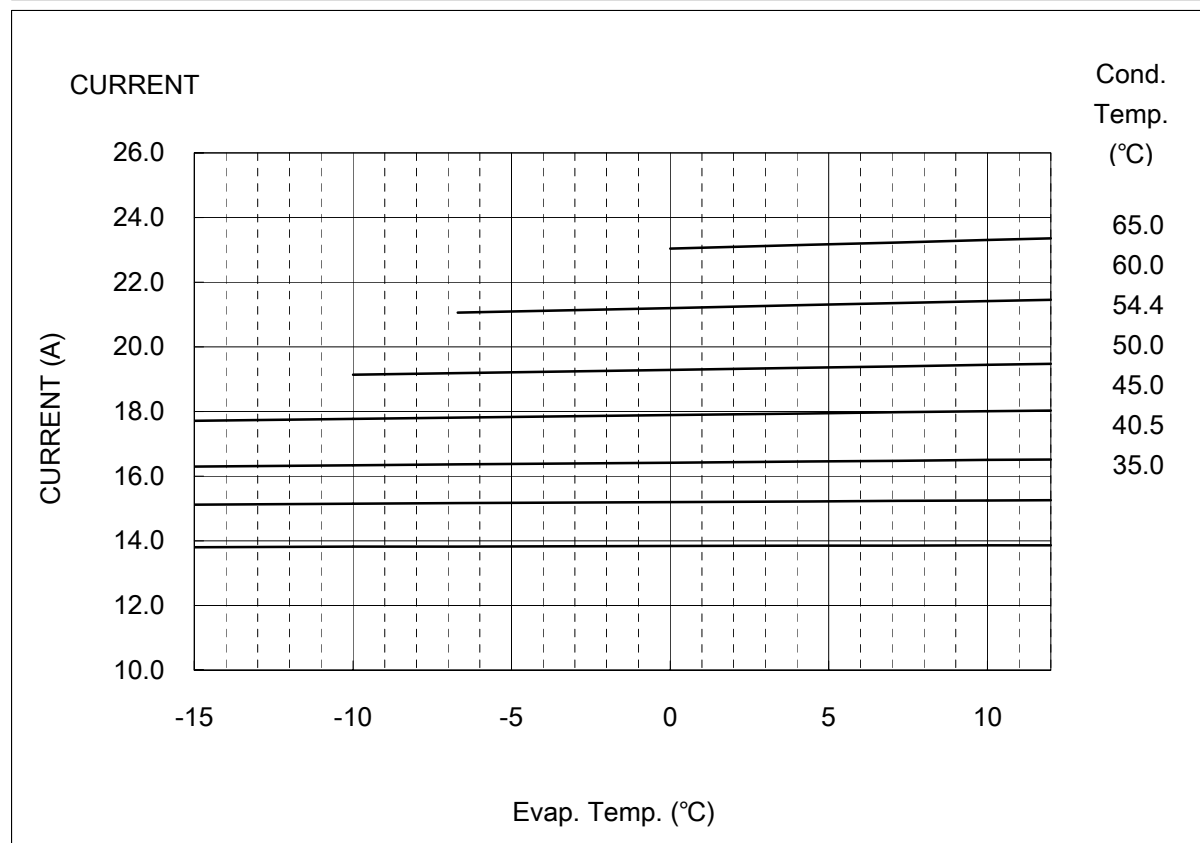
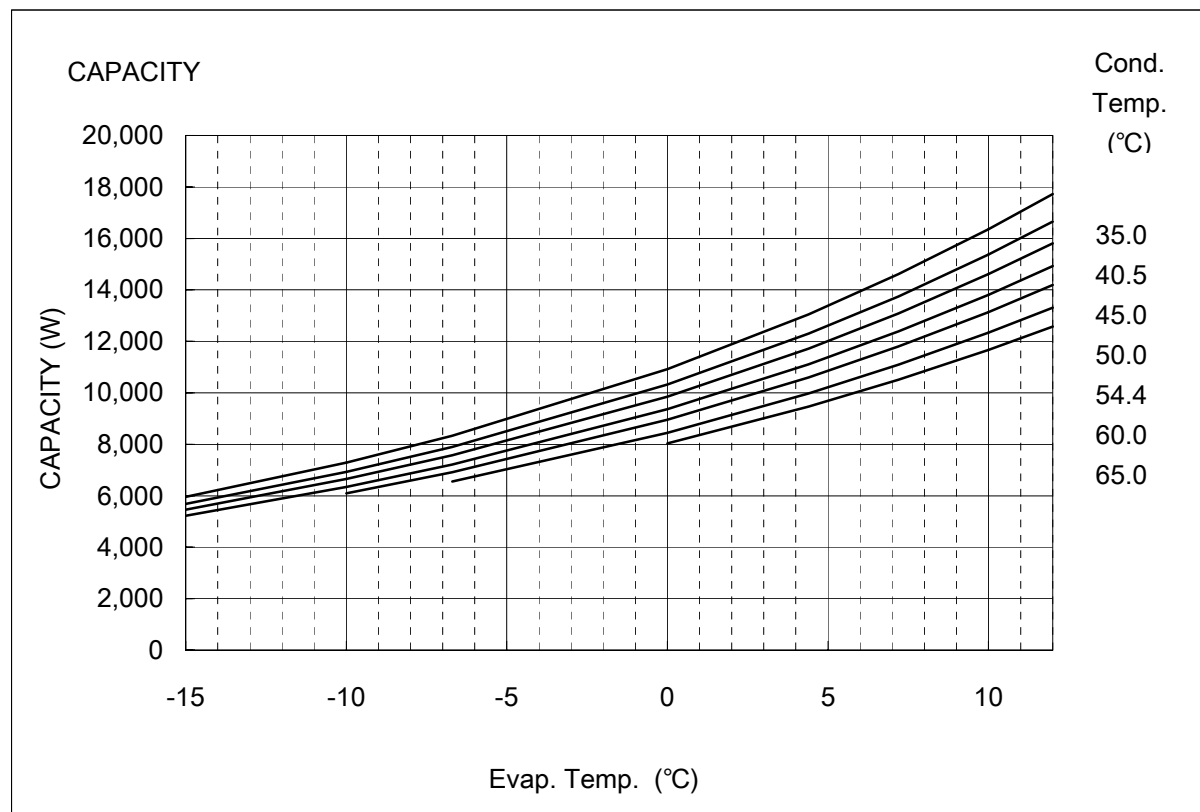
Dalian SANYO Compressor Co.,Ltd.

Compressor Model(Code)

**C-SBN301H5A (809 940 45)**

Power Source

**1PH 50Hz 220-240V**



## COEFFICIENTS OF PERFORMANCE CURVES



Compressor Model **C-SBN301H5A (809 940 45)**  
 Power Source **1PH 50Hz 220-240V**  
 Suction Gas Superheat (K) **9**  
 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

<b><u>220V-50Hz</u></b>	CAPACITY (W)	POWER (W)	CURRENT (A)
C1	1.548228E+04	1.686475E+03	8.644960E+00
C2	6.982396E+02	-1.952402E+00	-1.871089E-04
C3	-1.489618E+02	7.072906E+00	6.321151E-02
C4	1.329735E+01	3.411759E-03	-2.270360E-05
C5	-8.578110E+00	5.242794E-02	-3.279081E-04
C6	5.290973E-01	6.449352E-01	2.434503E-03
C7	9.688113E-02	-1.491473E-03	7.473732E-08
C8	-1.212843E-01	1.208341E-05	5.785545E-07
C9	3.766628E-02	6.433757E-04	1.133067E-05
C10	-1.326888E-08	-3.630497E-09	8.037393E-13

Note:The polynomial coefficients subject to change without notice.