

PERFORMANCE DATA (PRELIMINARY DATA)

Compressor Model(Code)	C-SBN753H8H (809 101 88)
Power Source	3PH 50Hz 380-415V
Suction Gas Superheat(K)	11.1
Sub Cooling(K)	8.3
Compressor Cooling	Natural Cooling
Refrigerant	R404A

CAPACITY(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	18,750	22,580	25,530	32,750	38,570	42,800	47,500	51,170
40.5	16,970	20,450	23,130	29,710	35,010	38,870	43,160	46,500
45.0	15,610	18,830	21,310	27,390	32,310	35,880	39,850	42,950
50.0	14,230	17,170	19,440	25,020	29,520	32,800	36,440	39,290
54.4		15,830	17,930	23,090	27,260	30,300	33,670	36,310
60.0			16,180	20,860	24,640	27,400	30,470	32,860
65.0				19,080	22,550	25,080	27,900	30,110

POWER(W)

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	6,930	6,940	6,950	6,960	6,960	6,970	6,970	6,980
40.5	7,650	7,680	7,690	7,720	7,740	7,750	7,760	7,770
45.0	8,320	8,350	8,370	8,420	8,450	8,470	8,490	8,500
50.0	9,130	9,190	9,220	9,290	9,330	9,360	9,390	9,410
54.4		9,990	10,030	10,130	10,190	10,230	10,270	10,290
60.0			11,170	11,290	11,380	11,430	11,490	11,530
65.0				12,430	12,550	12,620	12,690	12,740

CURRENT(A)

@380V

Condensing Temperature(°C)	Evaporating Temperature(°C)							
	-15	-10	-6.7	0	4.4	7.2	10	12
35.0	13.3	12.9	12.7	12.5	12.4	12.4	12.4	12.5
40.5	14.2	14.0	13.8	13.7	13.6	13.7	13.7	13.7
45.0	15.0	14.9	14.8	14.8	14.8	14.8	14.8	14.9
50.0	15.9	16.0	16.0	16.1	16.1	16.2	16.2	16.3
54.4		17.0	17.1	17.3	17.5	17.5	17.6	17.6
60.0			18.7	19.1	19.3	19.4	19.4	19.5
65.0				20.8	21.0	21.2	21.2	21.3

NOTE:

* The performance values subject to change without notice.

COEFFICIENTS OF PERFORMANCE CURVES



Compressor Model **C-SBN753H8H (809 101 88)**
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 Compressor Cooling **Natural Cooling**
 Refrigerant **R404A**

$$X=C1+C2*(S)+C3*D+C4*(S2)+C5*(S*D)+C6*(D2)+C7*(S3)+C8*(D*S2)+C9*(S*D2) +C10*(D3)$$

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)
C1	5.791669E+04	4.709690E+03	8.022628E+00	
C2	2.151190E+03	5.903698E+00	-3.442542E-02	
C3	-8.614039E+02	6.060682E-01	4.739885E-02	
C4	3.412910E+01	-5.402431E-02	6.968610E-03	
C5	-3.180413E+01	-6.087744E-01	-1.302258E-03	
C6	4.063376E+00	1.819241E+00	2.281411E-03	
C7	2.367140E-01	8.479096E-04	-6.208936E-06	
C8	-3.202912E-01	1.096057E-03	-1.403898E-04	
C9	1.513689E-01	1.388588E-02	4.525475E-05	
C10	-2.025824E-08	3.573029E-10	1.946780E-11	

Note:The polynomial coefficients subject to change without notice.