SANYO SCROLL COMPRESSORS

Code : 809 930 88

Model : C-SBN263H8A

DALIAN SANYO COMPRESSOR CO.,LTD.

Rev. 2009-8

SANYO Scroll Compressor

Model	C-SBN263H8A
Refrigerant	R134a
Electrical	380-415 Volts 3 Phase 50Hz

Nominal Performance at ARI

Power Source		50Hz-380V
Capacity	(W)	6500
Power	(W)	2150
Current	(A)	4.4
COP	(W/W)	3.02
Mass Flow	(kg/h)	-

Rating Conditions at ARI

Condensing Temperature(℃)	54.4
Evaporating Temperature(℃)	7.2
Return Gas temperature(℃)	18.3
Liquid Temperature(℃)	46.1
Ambient Temperature(℃)	35

Motor

	50Hz
Voltage Range(V)	342-456
RLA (A)	-
MCC (A)	-
LRA (A)	42
RPM (min^{-1})	2900

Compressor

Maximum Discharge Temp(℃)	130
Displacement (cm^3/rev)	55.7
Weight (with oil kg)	36.5

Oil

Oil Type	FV68S
Initial Charge (ml)	1700
Re-charge (ml)	1600

Electrical Components

Motor Protector Type	Internal
Run Capacitor Rating (MFD/Volts)	n/a

Nominal performance values +/-5% with 1 hr run-in.

Ratings with air over compressor.

Specifications subject to change without notice.

Made by: Dalian ***SANYO*** Compressor Co., Ltd.

PERFORMANCE DATA

Compressor Model(Code)	**C-SBN263H8A (809 930 88)**
Power Source	**3PH 50Hz 380-415V**
Suction Gas Superheat(K)	**11.1**
Sub Cooling(K)	**8.3**
Compressor Cooling	**Natural Cooling**
Refrigerant	**R134a**

CAPACITY(W)

Condensing	Evaporating Temperature(℃)							
Temperature(℃)	-15	-10	-6.7	0	4.4	7.2	10	12
40.5	3,310	4,010	4,550	5,880	6,960	7,750	8,630	9,310
45.0	3,100	3,760	4,270	5,540	6,570	7,320	8,160	8,820
50.0	2,880	3,500	3,980	5,180	6,160	6,870	7,670	8,300
54.4	2,690	3,280	3,740	4,880	5,820	6,500	7,260	7,860
60.0		3,030	3,460	4,530	5,410	6,050	6,780	7,340
65.0			3,230	4,240	5,070	5,690	6,370	6,910
70.0				3,970	4,760	5,340	6,000	6,510

POWER(W)

Condensing	Evaporating Temperature(℃)							
Temperature(℃)	-15	-10	-6.7	0	4.4	7.2	10	12
40.5	1,570	1,590	1,600	1,610	1,610	1,600	1,590	1,580
45.0	1,720	1,750	1,760	1,770	1,760	1,760	1,750	1,740
50.0	1,920	1,940	1,950	1,960	1,960	1,960	1,950	1,940
54.4	2,110	2,130	2,140	2,150	2,150	2,150	2,150	2,140
60.0		2,390	2,400	2,410	2,420	2,420	2,420	2,420
65.0			2,660	2,670	2,680	2,690	2,690	2,700
70.0				2,960	2,970	2,980	2,990	3,000

CURRENT(A) @380V

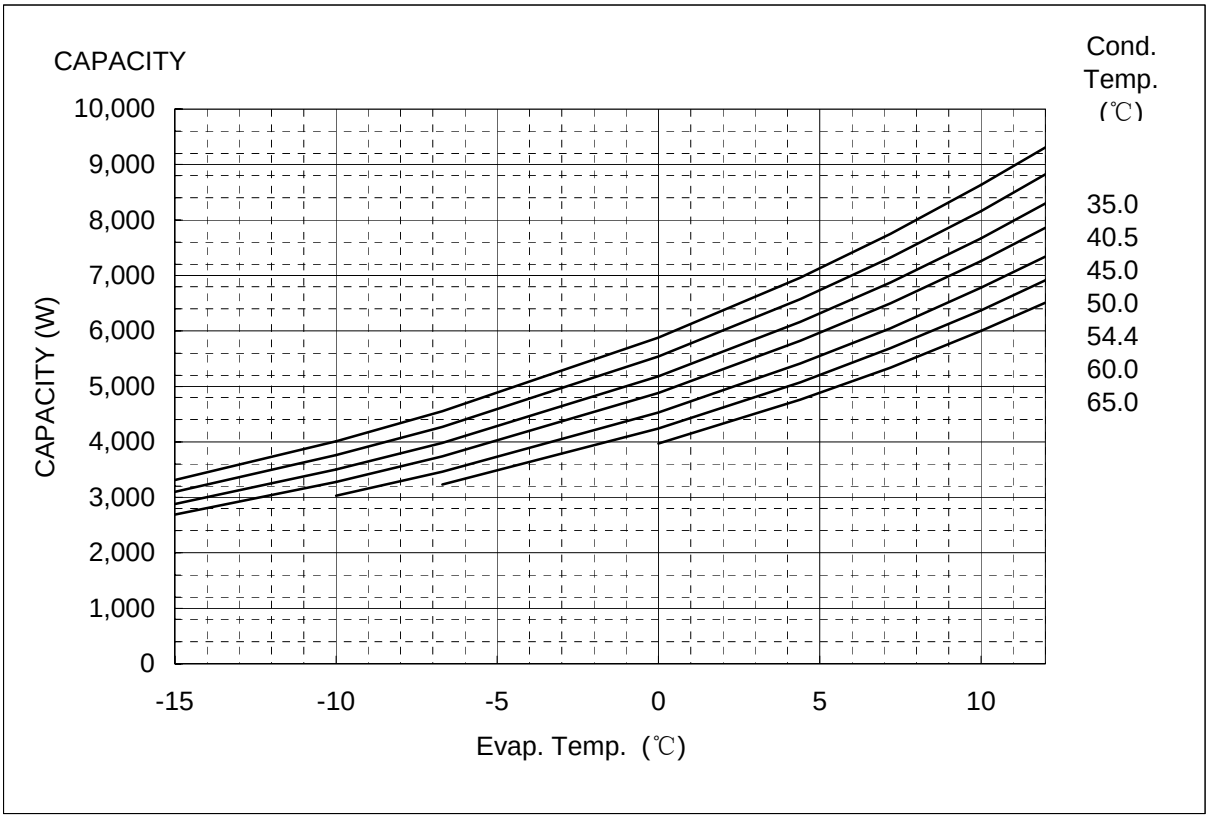
Condensing	Evaporating Temperature(℃)							
Temperature(℃)	-15	-10	-6.7	0	4.4	7.2	10	12
40.5	3.5	3.6	3.6	3.6	3.6	3.6	3.5	3.5
45.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
50.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
54.4	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4
60.0		4.7	4.7	4.8	4.8	4.8	4.8	4.8
65.0			5.1	5.1	5.2	5.2	5.2	5.2
70.0				5.5	5.6	5.6	5.6	5.6

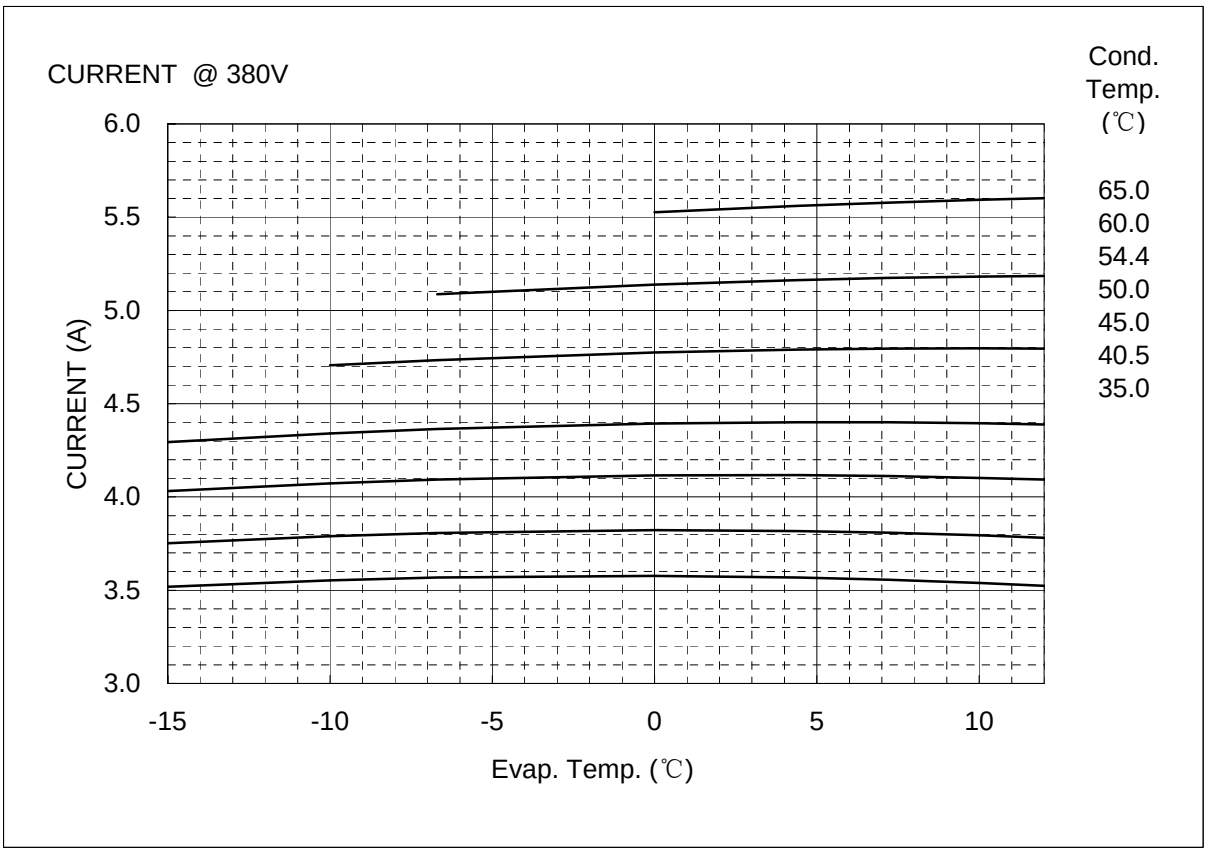
NOTE:

*** The performance values subject to change without notice.**

Compressor Model(Code) **C-SBN263H8A (809 930 88)**

Power Source **3PH 50Hz 380-415V**





COEFFICIENTS OF PERFORMANCE CURVES

Compressor Model	**C-SBN263H8A (809 930 88)**
Power Source	**3PH 50Hz 380-415V**
Suction Gas Superheat (K)	**11.1**
Sub Cooling (K)	**8.3**
Compressor Cooling	**Natural Cooling**
Refrigerant	**R134a**

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

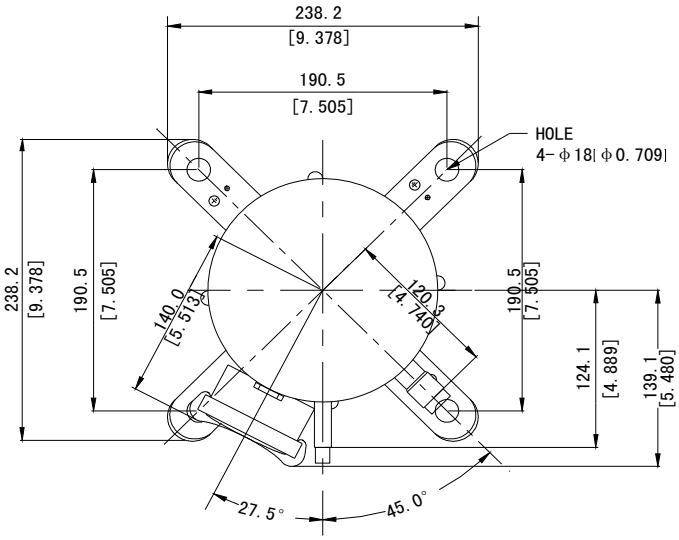
D——CONDENSING TEMP, °C

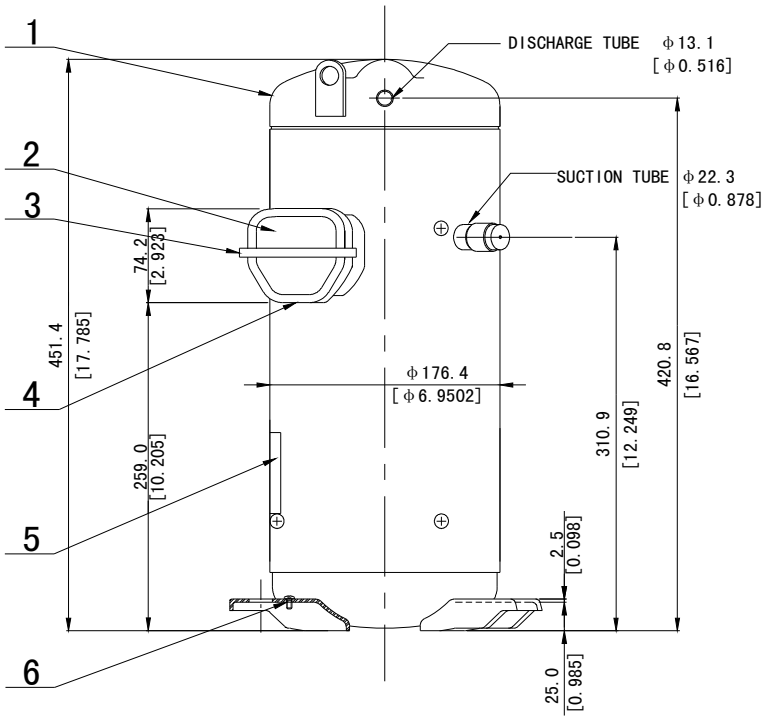
380V-50Hz	CAPACITY (W)	POWER (W)	CURRENT (A)
C1	9.793346E+03	1.051744E+03	2.236175E+00
C2	3.451317E+02	3.111205E+00	-1.272297E-03
C3	-1.151676E+02	-4.472434E+00	1.404188E-02
C4	5.761999E+00	-5.512762E-01	-4.854029E-04
C5	-3.416605E+00	-1.892371E-01	-1.631614E-04
C6	4.570461E-01	4.527244E-01	4.710434E-04
C7	4.940704E-02	-1.911305E-04	2.971111E-07
C8	-3.355162E-02	8.075287E-03	4.138540E-06
C9	1.173239E-02	2.717954E-03	4.327694E-06
C10	8.431755E-10	3.225635E-09	1.413410E-12

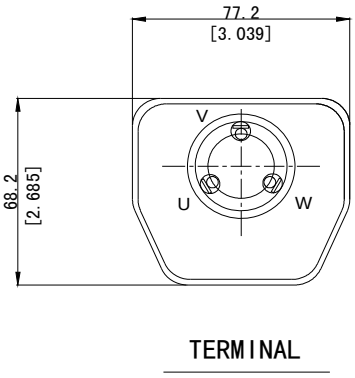
Note:The polynomial coefficients subject to change without notice.

DIMENSIONAL SKETCH

C-SB Series (3.5HP)







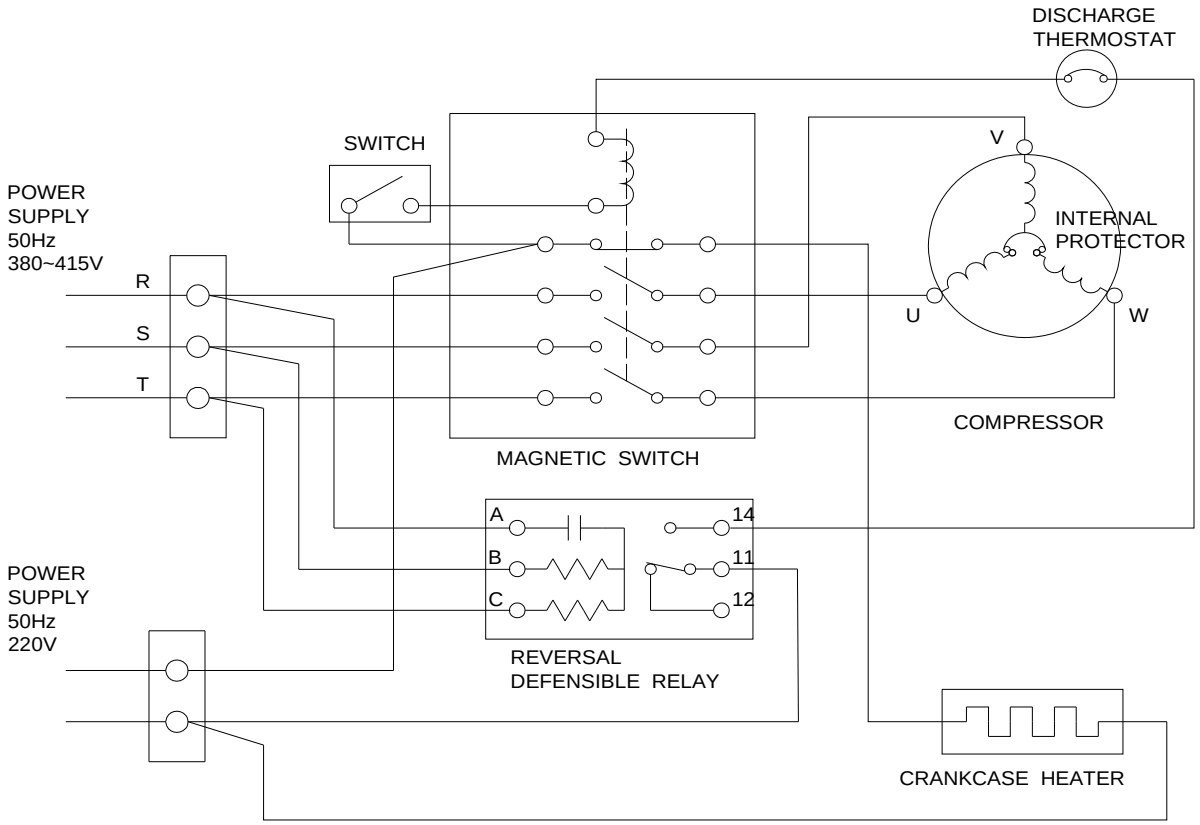
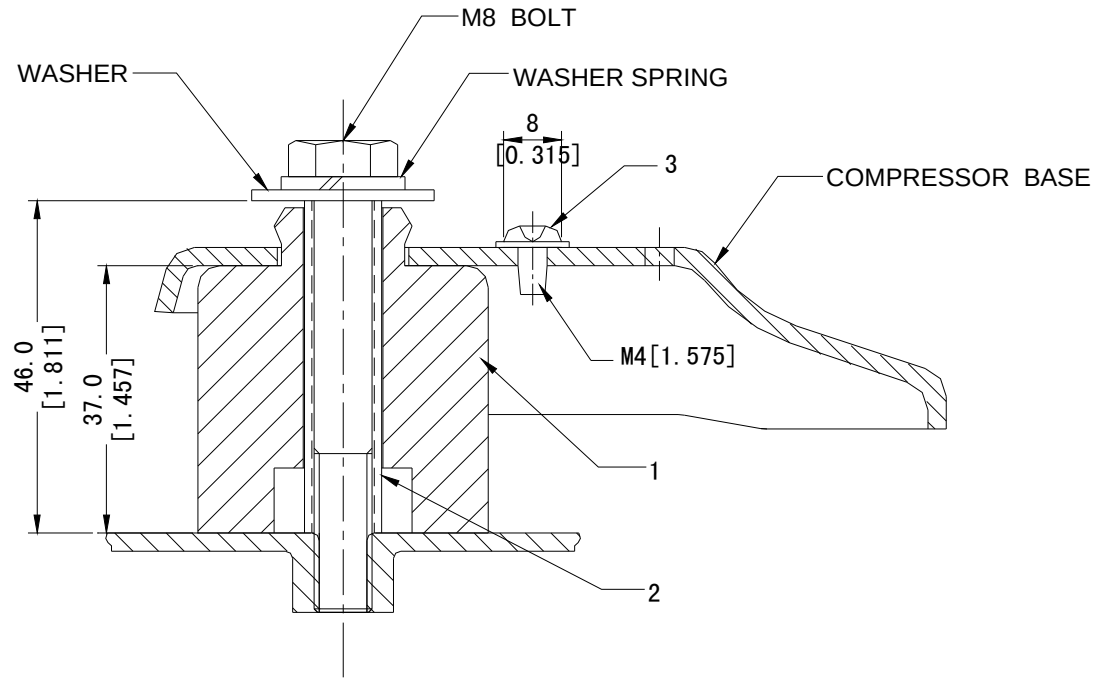
TERMINAL

No.	Qty	Name
1	1	Compressor
2	1	Terminal Box Cover
3	1	Terminal Box Clip
4	1	Insulating Grommet
5	1	Nameplate
6	1	Screw Special

WIRING & MOUNTING SKETCH

WIRING DIAGRAM

C-SB Series 3phase B8



MOUNTING SKETCH