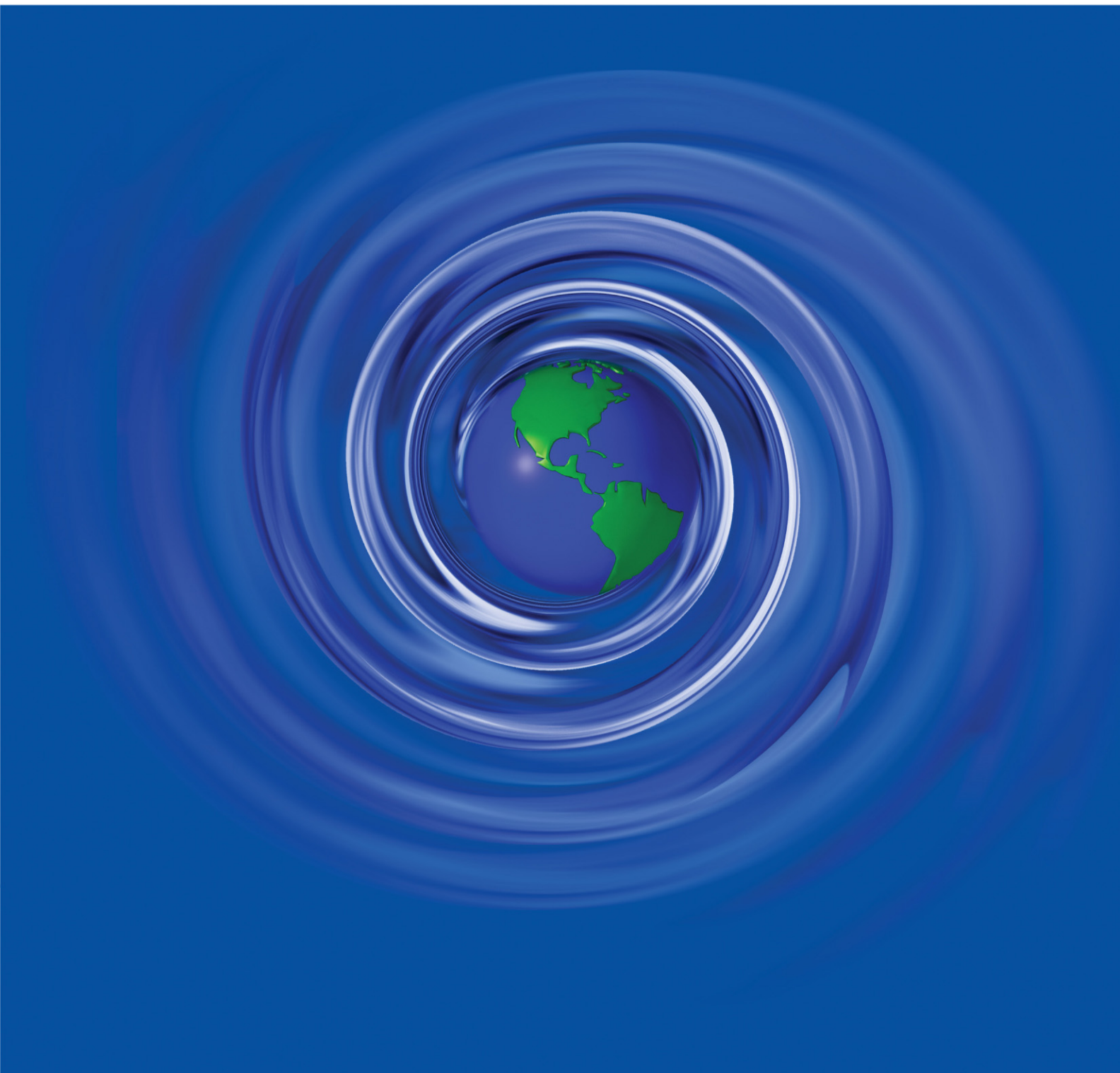




Scroll Compressor



DALIAN SANYO COMPRESSOR CO., LTD.



Profile

Company Name: Dalian SANYO Compressor Co.,Ltd.
 Total Investment Amount: USD 93.75 Million
 Occupied Area: 116,500 square meters
 Building Areas: 71,000 square meters
 Employees: 1700
 Date of Signing the Contract: Aug. 18, 1994
 Date of Getting Business Certificate: Sep. 15, 1994
 Date of Opening Ceremony: Oct. 18, 1995 (The First Plant)
 Oct. 18, 1998 (The Second Plant)



Certificates Award



Management Theme

We are committed to becoming an indispensable element in the lives of people all over the world.

Management Policy

Dedicating to perfection, Pursuing persistently,
 Initiating the future, Heading for the world.



Certificate of "Advanced Technology" in October 1997.
 ISO 9002 Quality Management System in November 1997.
 ISO 14001 international environment management system certificate in March 1998.
 Certificate of "High-Tech Enterprise" in September 1998.
 "AAA" level reputation certificate in October 1998.
 Certificate of Conformity for Electrical Equipment in March 1999(CCEE).
 "TUV" product certificate in May 2000.
 And was conferred with the honor of Dalian Advanced Technology Corporation.
 Besides, several national compressor standards were drawn out by us, thus we win high prize in compressor industry both domestically and abroad.
 Certificate for China Compulsory Product Certification in September 2002(CCC).
 ISO 9001 Quality Management System (2000) in October 2002.
 Approval of Japanese "Intensity Test Certificate" in August 2003 (No. 15 Intensity 23).
 "UL" product certificate in October 2003.
 "VDE" product certificate in June 2004.
 "CE" product certificate in October 2004.
 OHSAS18001:1999 Certificate in September 2005.
 "CRAA" product certificate in August 2006.



Products

Main Products

- 2~20HP Semi-Hermetic Compressor
- 3.5~12HP Scroll Compressor
- 1~6HP Hermetic Compressor Units
- 2~60HP Semi-Hermetic Compressor and Units
- 60~120HP Tandem Central Units
- 50~240HP Double-stage Inverter Screw Condensing Unit with Single Compressor
- 5HP Chiller



Products Features

1. Low sound and high adaptability to the ambient temperature.
2. Less space occupation in saving place and energy.
3. Simple installation with full-provided accessories before factory shipment.
4. Refrigerant R22, R404A, R407C, R410A, R134a.

THE HEART OF RESIDENTIAL AIR CONDITIONERS & LIGHT COMMERCIAL AIR CONDITIONERS

Tandem Series

- Range from 7HP to 24HP
- Reliable & Simple Design of Oil Balance
- Low Sound Level & Low Vibration
- Compact & Light Weight
- Refrigerant R22/R407C/R410A/R134a
- Support a wide variety of Power Source



C-SC Series



C-SB Series

THE HEART OF RESIDENTIAL AIR CONDITIONERS & LIGHT COMMERCIAL AIR CONDITIONERS (C-SB Series 3.5~7HP)

C-SB



C-SB SCROLL(3.5-7HP)

- High & low pressure baffle
- Low sound float valve
- Tip seal made of PPS resin
- Direct power breakdown for motor protection
- PTFE bearing: bronze with Teflon.



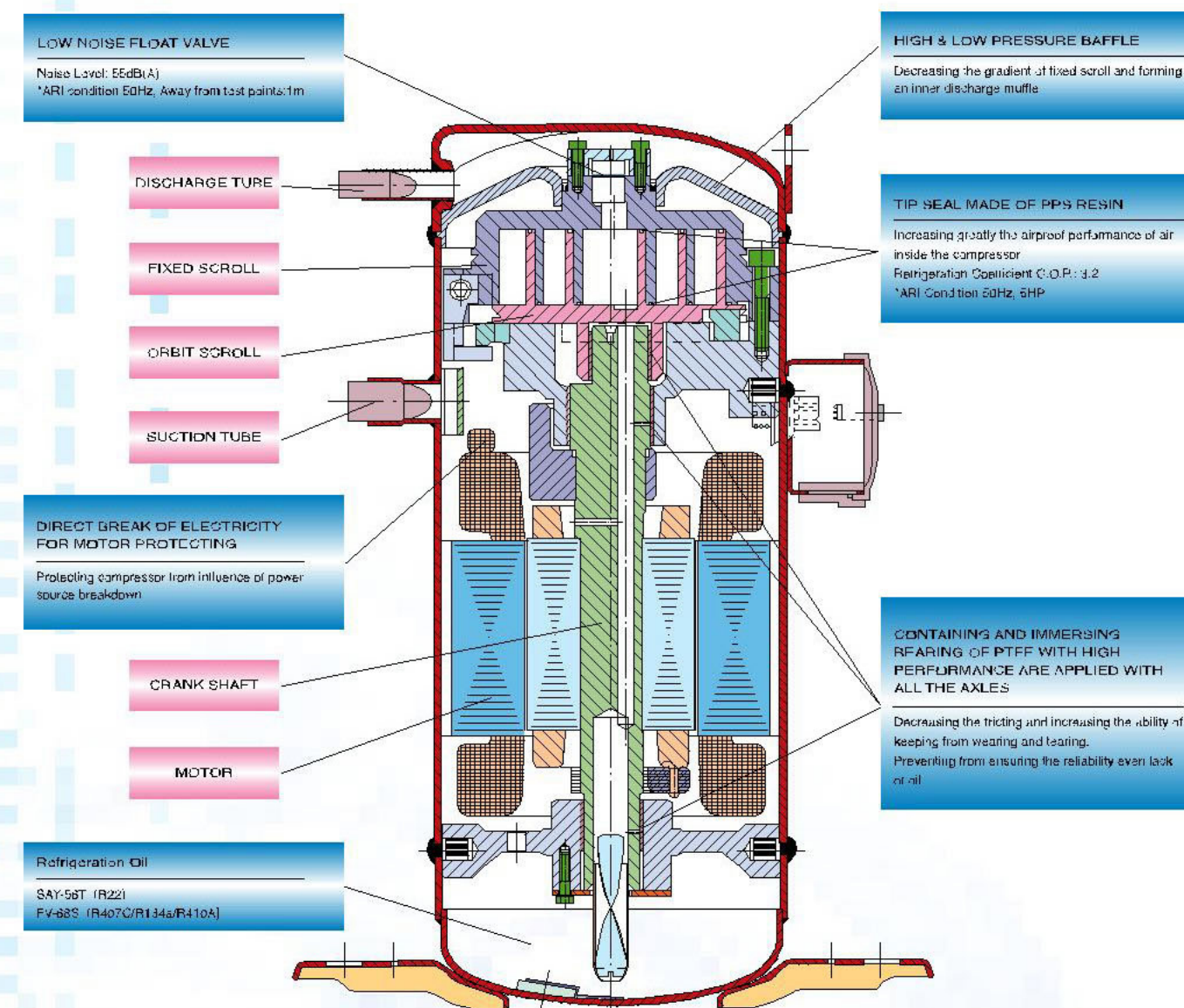
Refrigerant
HCFC22/HFC407C/HFC134a/HFC410A

Power Source

CODE	Phase	50Hz	60Hz
B3	3Phase	50Hz 200V	60Hz 200-220V
B5	1Phase	50Hz 220-240V	-
	3Phase	50Hz 220-240V	-
B6	1Phase	-	60Hz 208-230V
	3Phase	-	60Hz 208-230V
B8	3Phase	50Hz 380-415V	60Hz 440-460V
B9	3Phase	-	60Hz 380V



MODEL C-SB (3.5HP TO 7HP FOR AIR CONDITIONERS)

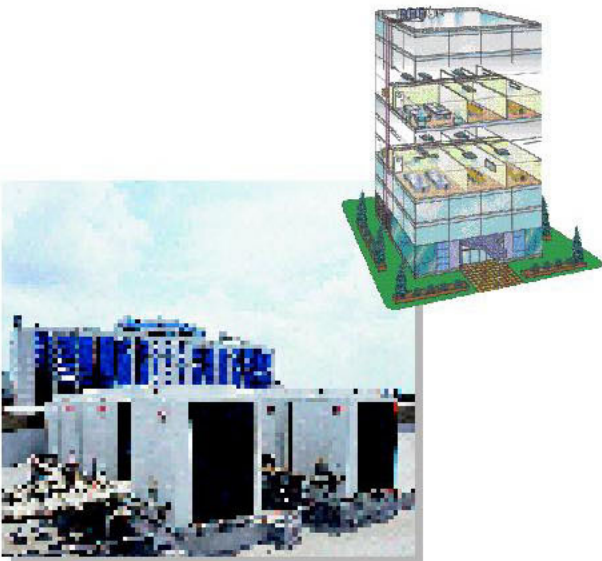


Refrigerant R22/R407C/R134a/R410A

THE HEART OF RESIDENTIAL AIR CONDITIONERS & LIGHT COMMERCIAL AIR CONDITIONERS (C-SC Series 8 ~ 12HP)

- High reliability
- High-performance rolling bearing is applied in the main frame and the bearing plate.
- Direct power breakdown for motor protection.
- The using of strainer in the suction inlet ensures the safety of compressor.

C-SC



C-SC SCROLL(8-12HP)

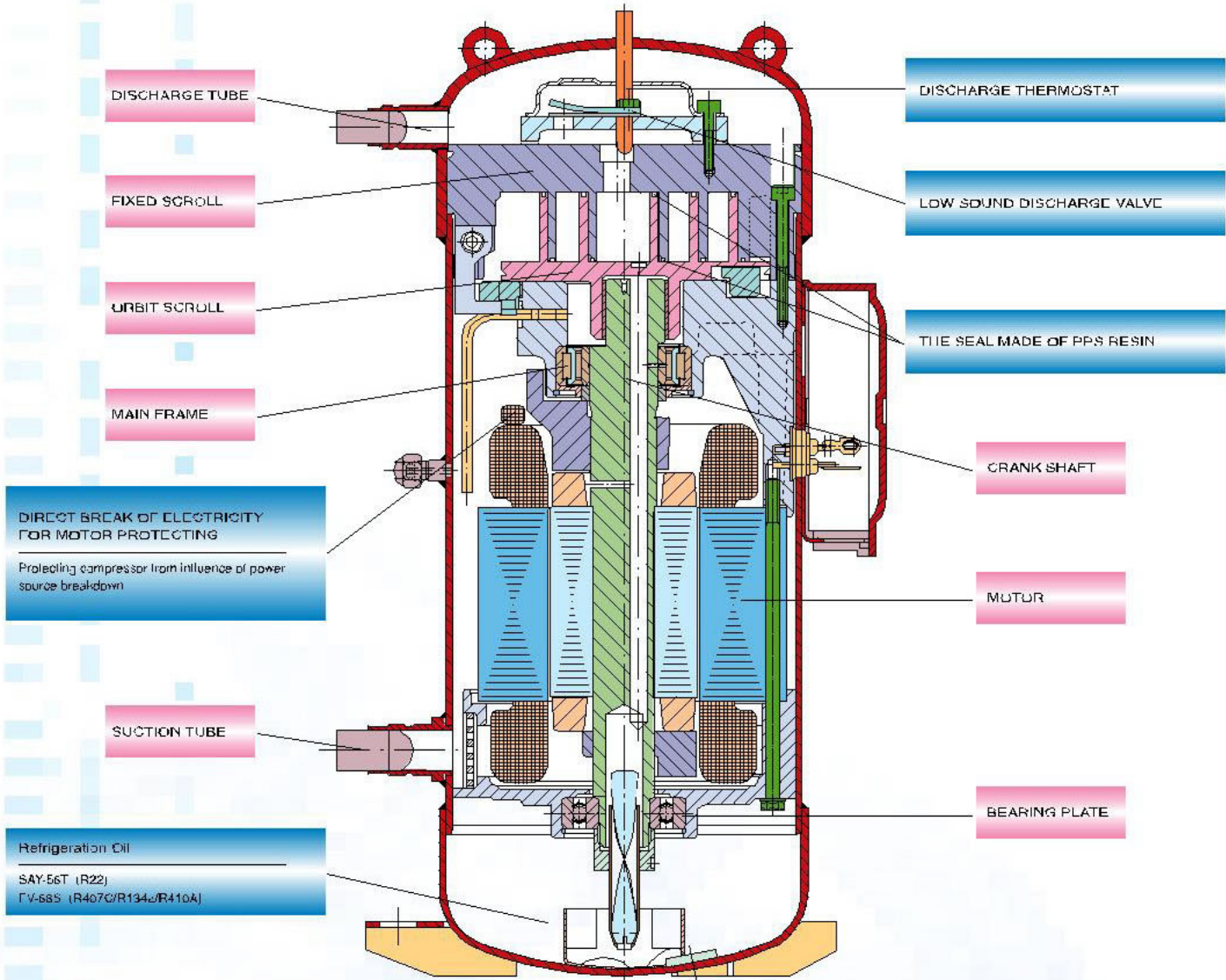


Refrigerant
HCFC22/HFC407C/HFC134a/HFC410A

Power Source

CODE	Phase	50Hz	60Hz
B3	3Phase	50Hz 200V	60Hz 200-220V
B5	3Phase	50Hz 220-240V	-
B6	3Phase	-	60Hz 208-230V
B8	3Phase	50Hz 380-415V	60Hz 440-460V
B9	3Phase	-	60Hz 380V

MODEL C-SC (8HP TO 12HP FOR AIR CONDITIONERS)



Refrigerant R22/R407C/R134a/R410A



APPLICATION STANDARD & LIMIT (R22)

The following requirements apply to Vertical type Hermetic Scroll Compressors:

Standard: Applicable to ordinary conditions in Japan JIS B8616 or equivalent conditions, such as standard rating conditions, maximum operating conditions, low temperature conditions, etc.

Limit: Applicable to transitional brief periods, such as start-up and beginning of defrost mode.

No.	Item	Standard	Limit	Note
1	Refrigerant	R22(Meet the standard of Japan JIS K1517)		
2	Evaporating Temp.	-15→+12℃/[5~54°F] 0.20~0.62MPa(G)/[29~90psig]	-25→+15℃/[-13~59°F] 0.10~0.69MPa(G)/[14.5~100psig]	Comp. Suction Pressure
3	Condensing Temp.	+30→+65℃/[86~149°F] 1.09~2.60MPa(G)/[158~377psig]	+68℃/[155°F] 2.78MPa(G)/[403psig]	Comp. Discharge Pressure
4	Compression Ratio	2~6	10	
5	Winding Temp.	115℃/[240°F] Max.	125℃/[257°F]	
6	Shell Bottom Temp.	Upper Limit:90℃/[194°F] Max. Lower Limit:Evaporating Temp.+12K/[21°F] Min. Ambient Temp.+11K/[20°F] Min.		When comp. is running
				When comp. shuts off
7	Discharge Gas Temp.	115℃/[240°F] Max	C-SB:130℃/[266°F] Max	Within 100mm(4in) of the discharge fitting.
			C-SC:135℃/[275°F] Max	Inside of the well pipe on the top of comp.
8	Suction Gas Temp.	Superheat:5K/[10°F] Min.	No excessive noise.	It should meet the requirement of item 5, 6, 7 and 14 within 300mm of the suction fitting.
9	Running Voltage	Within ± 10% of the rated voltage.		Voltage at comp. terminals.
10	Starting Voltage	Three Phase Models: 85% of the rated voltage min.		Dropped voltage at comp. terminals.
		Single Phase Models: 90% of the rated voltage min.		
11	On/Off Period	ON Period:Until the oil level returns to the center of the lower bearing. OFF Period:Until balance of high and low pressure is obtained.		For at least 7 minutes-ON/3 minutes-OFF is recommendable
12	Refrigerant Charge	Oil/Refrigerant(wt.) > 0.35		Specific gravity of the Oil:0.92.
13	Life Time	200,000 cycle		
14	Minimum Oil Level	C-SB:Center of the lower bearing.	C-SB:Bottom of the lower bearing.	
		No less than 70% of the initial oil charge.		
15	Abnormal Pressure Rise/Drop	Pressure Rise:3.0MPa(G)/[435psig] Max.		By high pressure switch
		Pressure Drop:0.03MPa(G)/[4.35psig] Min.		By low pressure switch
16	System Moisture Level	200ppm Max		
17	System Uncondensable Gas Level	1 Vol.% Max. Residual Oxygen 0.1Vol.% Max.		24 hrs. after vacuuming:1.01kPa Max.
18	Tilt	5° Deg.Max.		

■ Operation beyond the above limits must be approved by Dalian SANYO Compressor Co., Ltd.

(G): Gauge Pressure

APPLICATION STANDARD & LIMIT (R407C)

The following requirements apply to Vertical type Hermetic Scroll Compressors:

Standard: Applicable to ordinary conditions in Japan JIS B8616 or equivalent conditions, such as standard rating conditions, maximum operating conditions, low temperature conditions, etc.

Limit: Applicable to transitional brief periods, such as start-up and beginning of defrost mode.

No.	Item	Standard	Limit	Note
1	Refrigerant	R407C		
2	Evaporating Temp.	-15~+12℃/[5~54°F] 0.20~0.65MPa(G)/[29~94psig]	-25~+15℃/[-13~59°F] 0.07~0.73MPa(G)/[10~106psig]	Average temp. of evaporator inlet and outlet.
3	Condensing Temp.	+30~+60℃/[86~140°F] 1.17~2.56MPa(G)/[170~371psig]	+65℃/[149°F] 2.88MPa(G)/[418psig]	Average temp. of condensor inlet and outlet.
4	Compression Ratio	2~6	10	
5	Winding Temp.	115℃/[240°F] Max	125℃/[257°F]	
6	Shell Bottom Temp.	Upper Limit:90℃/[194°F] Max. Lower Limit:Evaporating Temp.+12K/[21°F] Min. Ambient Temp.+11K/[20°F] Min.	When comp. is running	
			When comp. shuts off	
7	Discharge Gas Temp.	115℃/[240°F] Max	C-SB:130℃/[266°F] Max	Within 100mm(4in) of the discharge fitting.
			C-SC:135℃/[275°F] Max	Inside of the well pipe on the top of comp.
8	Suction Gas Temp.	Superheat:5K/[10°F] Min.	No excessive noise.	It should meet the requirement of item 5, 6, 7 and 14 within 300mm of the suction fitting.
9	Running Voltage	Within ± 10% of the rated voltage.		Voltage at comp. terminals.
10	Starting Voltage	Three Phase Models: 85% of the rated voltage min.		Dropped voltage at comp. terminals.
		Single Phase Models: 90% of the rated voltage min.		
11	On/Off Period	ON Period:Until the oil level returns to the center of the lower bearing. OFF Period:Until balance of high and low pressure is obtained.		For at least 7 minutes-ON/3 minutes-OFF is recommendable
12	Refrigerant Charge	Oil/Refrigerant(wt.) > 0.35		Specific gravity of the Oil:0.94.
13	Life Time	200,000 cycle		
14	Minimum Oil Level	C-SB: Center of the lower bearing. C-SB: Bottom of the lower bearing.		
		C-SC:No less than 70% of the initial oil charge.		
15	Abnormal Pressure Rise/Drop	Pressure Rise:3.20MPa(G)/[464psig] Max.		By high pressure switch
		Pressure Drop:0.05MPa(G)/[7.3psig] Min.		By low pressure switch
16	System Moisture Level	200ppm Max		
17	System Uncondensable Gas Level	1 Vol.% Max. Residual Oxygen 0.1Vol.% Max.		24 hrs. after vacuuming:1.01kPa Max.
18	Tilt	5° Deg.Max.		

■ Operation beyond the above limits must be approved by Dalian SANYO Compressor Co., Ltd.

(G): Gauge Pressure



APPLICATION STANDARD & LIMIT (R410A)

The following requirements apply to Vertical type Hermetic Scroll Compressors:

Standard: Applicable to ordinary conditions in Japan JIS B8616 or equivalent conditions, such as standard rating conditions, maximum operating conditions, low temperature conditions, etc.

Limit: Applicable to transitional brief periods, such as start-up and beginning of defrost mode.

No.	Item	Standard	Limit	Note
1	Refrigerant	R410A		
2	Evaporating Temp.	-15~+12℃/[5~54°F] 0.38~1.05MPa(G)/[55~152psig]	-25~+15℃/[-13~59°F] 0.23~1.15MPa(G)/[33~167psig]	Comp. Suction Pressure
3	Condensing Temp.	+30~+60℃/[86~140°F] 1.78~3.75MPa(G)/[258~544psig]	+65℃/[149°F] 4.18MPa(G)/[606psig]	Comp. Discharge Pressure
4	Compression Ratio	2~6	8	
5	Winding Temp.	115℃/[240°F] Max	125℃/[257°F]	
6	Shell Bottom Temp.	Upper Limit:90℃/[194°F] Max. Lower Limit:Evaporating Temp.+12K/[21°F] Min. Ambient Temp.+11K/[20°F] Min.		When comp. is running When comp. shuts off
7	Discharge Gas Temp.	115℃/[240°F] Max	C-SB:130℃/[266°F] Max C-SC:135℃/[275°F] Max	Within 100mm(4in) of the discharge fitting. Inside of the well pipe on the top of comp.
8	Suction Gas Temp.	Superheat:5K/[10°F] Min.	No excessive noise.	It should meet the requirement of item 5, 6, 7 and 14 within 300mm of the suction fitting.
9	Running Voltage	Within ± 10% of the rated voltage.		Voltage at comp. terminals.
10	Starting Voltage	Three Phase Models: 85% of the rated voltage min. Single Phase Models: 90% of the rated voltage min.		Dropped voltage at comp. terminals.
11	On/Off Period	ON Period:Until the oil level returns to the center of the lower bearing. OFF Period:Until balance of high and low pressure is obtained.		For at least 7 minutes-ON/3 minutes-OFF is recommendable
12	Refrigerant Charge	Oil/Refrigerant(wt.) > 0.35		Specific gravity of the Oil:0.94.
13	Life Time	200,000 cycle		
14	Minimum Oil Level	C-SB: Center of the lower bearing. C-SB: Bottom of the lower bearing. No less than 70% of the initial oil charge.		
15	Abnormal Pressure Rise/Drop	Pressure Rise:4.15MPa(G)/[602psig] Max. Pressure Drop:0.15MPa(G)/[22psig] Min.		By high pressure switch By low pressure switch
16	System Moisture Level	200ppm Max		
17	System Uncondensable Gas Level	1 Vol.% Max. Residual Oxygen 0.1Vol.% Max.		24 hrs. after vacuuming:1.01kPa Max.
18	Tilt	5° Deg.Max.		

■ Operation beyond the above limits must be approved by Dalian SANYO Compressor Co., Ltd.

(G): Gauge Pressure

APPLICATION STANDARD & LIMIT (R134a)

The following requirements apply to Vertical type Hermetic Scroll Compressors:

Standard: Applicable to ordinary conditions in Japan JIS B8616 or equivalent conditions, such as standard rating conditions, maximum operating conditions, low temperature conditions, etc.

Limit: Applicable to transitional brief periods, such as start-up and beginning of defrost mode.

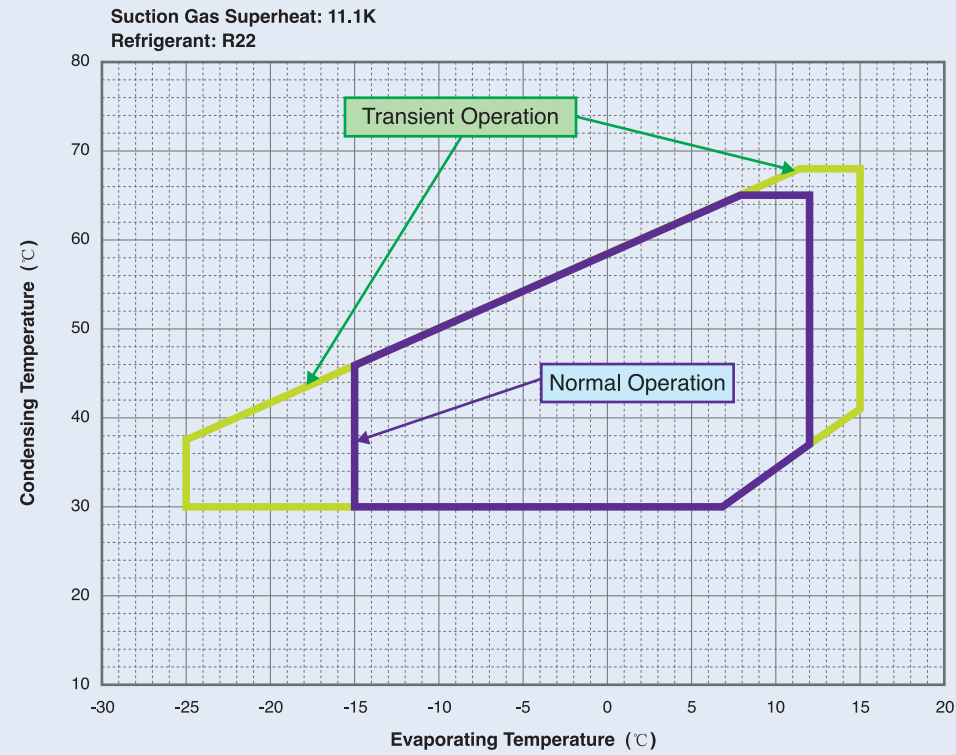
No.	Item	Standard	Limit	Note
1	Refrigerant	R134a		
2	Evaporating Temp.	-12~+12℃/[10~54°F] 0.09~0.34MPa(G)/[13~49psig]	-15~+15℃/[5~59°F] 0.06~0.39MPa(G)/[9~57psig]	Comp. Suction Pressure
3	Condensing Temp.	+30~+70℃/[86~158°F] 0.67~2.02MPa(G)/[97~293psig]	+75℃/[167°F] 2.26MPa(G)/[328psig]	Comp. Discharge Pressure
4	Compression Ratio	2~6	10	
5	Winding Temp.	115℃/[240°F] Max	125℃/[257°F]	
6	Shell Bottom Temp.	Upper Limit:90℃/[194°F] Max. Lower Limit:Evaporating Temp.+12K/[21°F] Min. Ambient Temp.+11K/[20°F] Min.		When comp. is running When comp. shuts off
7	Discharge Gas Temp.	115℃/[240°F] Max	C-SB:115℃/[240°F] Max C-SC:115℃/[240°F] Max	Within 100mm(4in) of the discharge fitting. Inside of the well pipe on the top of comp.
8	Suction Gas Temp.	Superheat:5K/[10°F] Min.	No excessive noise.	It should meet the requirement of item 5, 6, 7 and 14 within 300mm of the suction fitting.
9	Running Voltage	Within ± 10% of the rated voltage.		Voltage at comp. terminals.
10	Starting Voltage	Three Phase Models: 85% of the rated voltage min. Single Phase Models: 90% of the rated voltage min.		Dropped voltage at comp. terminals.
11	On/Off Period	ON Period:Until the oil level returns to the center of the lower bearing. OFF Period:Until balance of high and low pressure is obtained.		For at least 7 minutes-ON/3 minutes-OFF is recommendable
12	Refrigerant Charge	Oil/Refrigerant(wt.) > 0.35		Specific gravity of the Oil:0.94.
13	Life Time	200,000 cycle		
14	Minimum Oil Level	C-SB: Center of the lower bearing. C-SB: Bottom of the lower bearing. C-SC:No less than 70% of the initial oil charge.		
15	Abnormal Pressure Rise/Drop	Pressure Rise2.40MPa(G)/[348psig] Max. Pressure Drop:0.03MPa(G)/[4.35psig] Min.		By high pressure switch By low pressure switch
16	System Moisture Level	200ppm Max		
17	System Uncondensable Gas Level	1 Vol.% Max. Residual Oxygen 0.1Vol.% Max.		24 hrs. after vacuuming:1.01kPa Max.
18	Tilt	5° Deg.Max.		

■ Operation beyond the above limits must be approved by Dalian SANYO Compressor Co., Ltd.

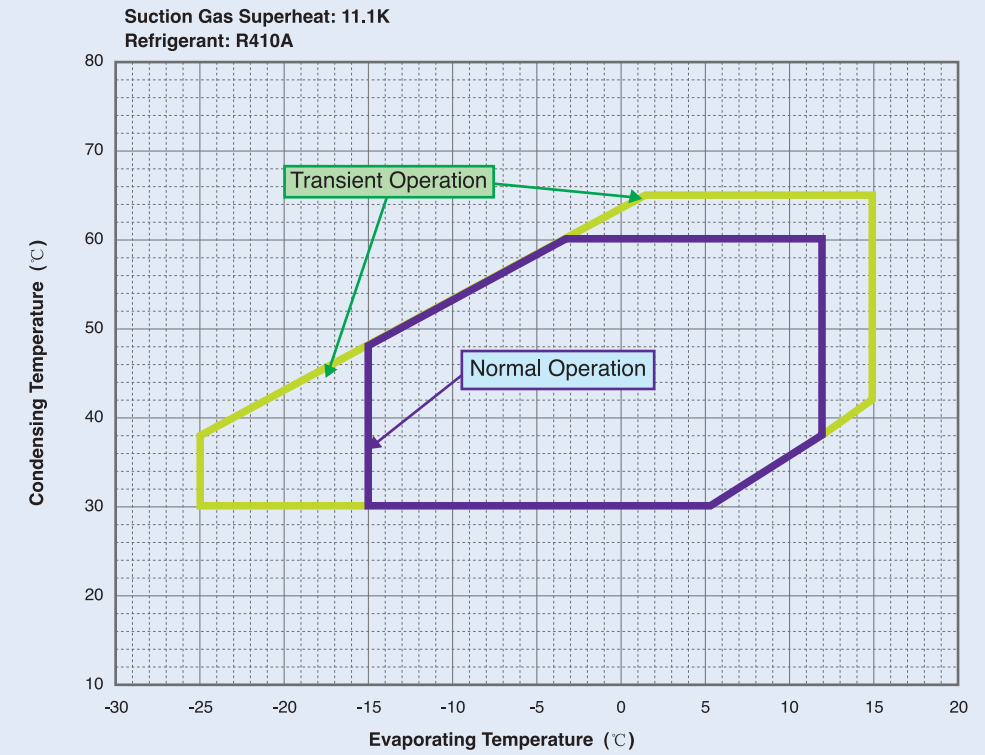
(G): Gauge Pressure



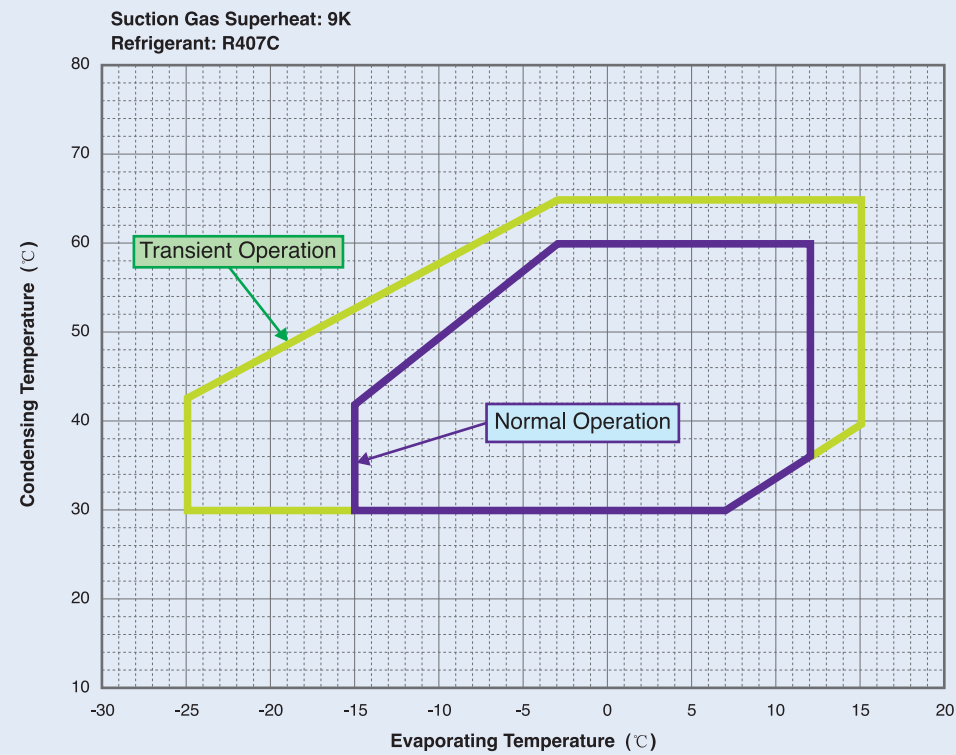
Operating Envelope (R22)



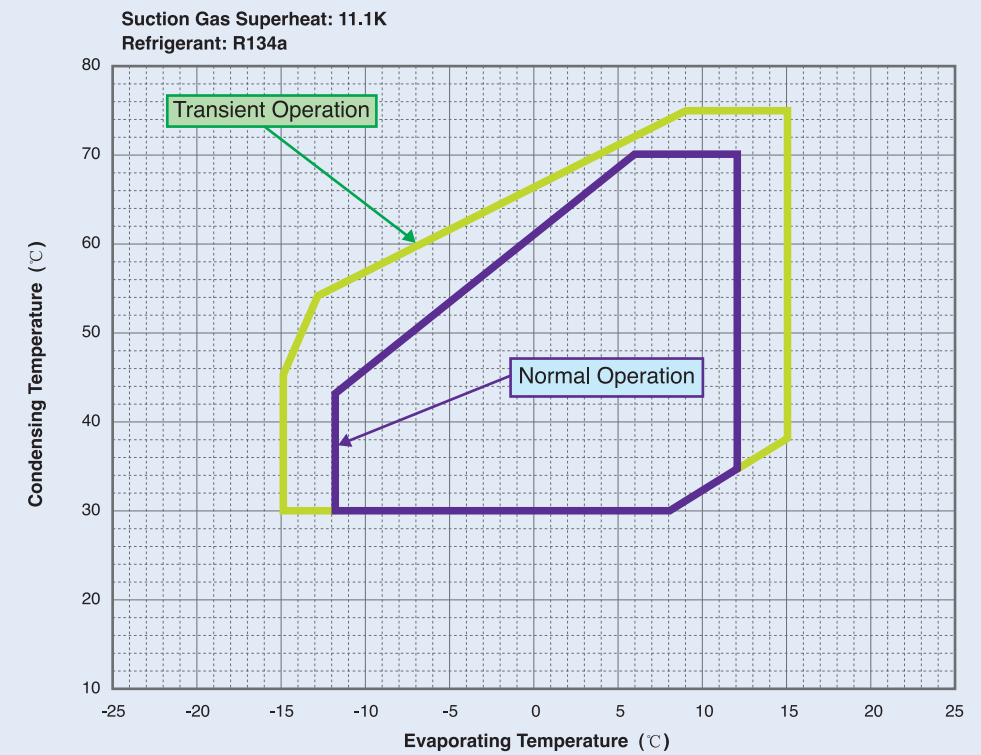
Operating Envelope (R410A)



Operating Envelope (R407C)



Operating Envelope (R134a)



■ R22 Series —— B8 (3Phase 50Hz 380-415V/60Hz 440-460V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	50Hz				60Hz				Outline Graph Code
				Capacity		COP		Capacity		COP		
	HP			cm³ / rev	kW	kBTU/h	W/W	BTU/Wh	kW	kBTU/h	W/W	
3.5	51.8	809 831 88	C-SB263H8B	9.15	31.2	3.10	10.6	11.2	38.2	3.20	10.9	B
	51.8	809 832 88	C-SB263H8C	9.15	31.2	3.10	10.6	11.2	38.2	3.20	10.9	A
	55.7	809 830 88	C-SB263H8A	9.60	32.8	3.10	10.6	11.8	40.3	3.19	10.9	B
4	66.8	809 840 88	C-SB303H8A	11.8	40.3	3.23	11.0	14.4	49.2	3.27	11.2	A
	66.8	809 846 88 *1	C-SB303H8G	11.8	40.3	3.23	11.0	14.4	49.2	3.27	11.2	At
4.5	77.4	809 842 88	C-SB353H8A	13.5	46.1	3.18	10.9	16.7	57.0	3.28	11.2	A
	77.4	809 847 88 *1	C-SB353H8G	13.5	46.1	3.18	10.9	16.7	57.0	3.28	11.2	At
5	83.2	809 850 88	C-SB373H8A	14.5	49.5	3.19	10.9	17.9	61.1	3.23	11.0	A
	83.2	809 856 88 *1	C-SB373H8G	14.5	49.5	3.19	10.9	17.9	61.1	3.23	11.0	At
	85.5	809 855 88	C-SB373H8F	15.0	51.2	3.19	10.9	18.4	62.8	3.20	10.9	A
6	100.0	809 860 88	C-SB453H8A	17.7	60.4	3.26	11.1	21.5	73.4	3.24	11.1	A
	100.0	809 865 88	C-SB453H8F	17.7	60.4	3.26	11.1	21.5	73.4	3.24	11.1	Jt
	100.0	809 866 88 *1	C-SB453H8G	17.7	60.4	3.26	11.1	21.5	73.4	3.24	11.1	At
8	131.9	809 284 88	C-SC583H8H	23.6	80.6	3.30	11.3	28.5	97.3	3.26	11.1	D
	131.9	809 286 88 *1	C-SC583H8K	23.6	80.6	3.30	11.3	28.5	97.3	3.26	11.1	Dt
	137.0	809 281 88	C-SC603H8H	24.5	83.6	3.31	11.3	29.6	101.1	3.29	11.2	D
	137.0	809 283 88 *1	C-SC603H8K	24.5	83.6	3.31	11.3	29.6	101.1	3.29	11.2	Dt
9	148.8	809 291 88	C-SC673H8H	26.5	90.5	3.29	11.2	32.0	109.3	3.27	11.2	D
	148.8	809 293 88 *1	C-SC673H8K	26.5	90.5	3.29	11.2	32.0	109.3	3.27	11.2	Dt
10	171.2	809 201 88	C-SC753H8H	30.6	104.5	3.38	11.5	36.9	126.0	3.32	11.3	E
	171.2	809 203 88 *1	C-SC753H8K	30.6	104.5	3.38	11.5	36.9	126.0	3.32	11.3	Et
12	199.1	809 224 88	C-SC863H8H	35.2	120.2	3.32	11.3	-	-	-	-	E
	205.4	809 221 88	C-SC903H8H	36.1	123.3	3.31	11.3	-	-	-	-	E
	205.4	809 223 88 *1	C-SC903H8K	36.1	123.3	3.31	11.3	-	-	-	-	Et

■ R22 Series —— B5 (1Phase 50Hz 220-240V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	Starting Method	Capacitor Specification		50Hz				Outline Graph Code
					Run Cap. (MFD/V)	Start Cap. (MFD/V)	Capacity		COP		
HP	cm³ / rev						kW	kBTU/h	W/W	BTU/Wh	
3.5	51.8	809 831 45	C-SB261H5B	PSC	60/440	-	9.10	31.1	2.94	10.0	A
	55.7	809 830 45	C-SB261H5A	PSC	60/440	-	9.70	33.1	2.98	10.2	A
4	66.8	809 840 45	C-SB301H5A	PSC	60/440	-	12.0	41.0	3.16	10.8	A
4.5	77.4	809 842 45	C-SB351H5A	PSC	70/440	-	13.6	46.4	3.06	10.4	A
5	83.2	809 850 45	C-SB371H5A	PSC	70 440	-	14.7	50.2	3.16	10.8	A
5.8	93.1	-	C-SBX200H15H	PSC	80/440	-	16.4	56.0	3.12	10.7	J

Rating Condition

	R22/R410A		R407C	
	℃	℉	℃	℉
Condensing Temperature	54.4	130	54.4	130
Evaporating Temperature	7.2	45	7.2	45
Liquid Temperature	46.1	115	43.8	111
Return Gas Temperature	18.3	65	18.3	65

*Condensing/Evaporating Temperature of R407C are Mid point temperature.

Remark

* 1	Tandem Type (the connection port of oil balance tube is attached)
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Starting Method

CSR	Capacitor Start and Run (Starting capacitor is necessary)
PSC	Permanent Split Condenser

■ R22 Series —— B5 (3Phase 50Hz 220-240V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	50Hz				Outline Graph Code
				Capacity		COP		
	HP			cm³ / rev	kW	kBTU/h	W/W	
4	66.8	809 840 85	C-SB303H5A	11.7	39.9	3.16	10.8	A
5	83.2	809 850 85	C-SB373H5A	14.7	50.2	3.16	10.8	A
6	100.0	809 860 85	C-SB453H5A	17.8	60.8	3.24	11.1	A
8	137.0	809 281 85	C-SC603H5H	24.2	82.6	3.29	11.2	D
10	171.2	809 201 85	C-SC753H5H	30.6	104.5	3.36	11.5	E
12	205.4	809 221 85	C-SC903H5H	36.0	122.9	3.30	11.3	E

■ R22 Series —— B6 (1Phase 60Hz 208-230V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	Starting Method	Capacitor Specification		60Hz				Outline Graph. Code
					Run Cap. (MFD/V)	Start Cap. (MFD/V)	Capacity		COP		
	HP						kW	kBTU/h	W/W	BTU/Wh	
3.5	51.8	809 832 46	C-SB261H6C	PSC	50/440	-	11.2	38.2	3.11	10.6	A
	55.7	809 830 46	C-SB261H6A	PSC	50/440	-	12.1	41.3	3.23	11.0	A
4	66.8	809 841 46	C-SB301H6B	PSC	50/440	-	14.5	49.5	3.26	11.1	A
4.5	77.4	809 842 46	C-SB351H6A	PSC	70/440	-	16.7	57.0	3.12	10.7	A
5	83.2	809 850 46	C-SB371H6A	PSC	80/440	-	18.0	61.5	3.13	10.7	A

■ R22 Series —— B6 (3Phase 60Hz 208-230V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	60Hz				Outline Graph Code
				Capacity		COP		
	HP			cm³ / rev	kW	kBTU/h	W/W	
3.5	51.8	809 832 86	C-SB263H6C	11.1	37.9	3.13	10.7	A
	55.7	809 831 86	C-SB263H6B	11.9	40.6	3.22	11.0	A
4	66.8	809 841 86	C-SB303H6B	14.4	49.2	3.27	11.2	A
	66.8	809 846 86 *1	C-SB303H6G	14.4	49.2	3.27	11.2	At
4.5	77.4	809 843 86	C-SB353H6B	16.8	57.4	3.29	11.2	A
	77.4	809 844 86	C-SB353H6C	16.8	57.4	3.29	11.2	A
5	83.2	809 851 86	C-SB373H6B	18.1	61.8	3.32	11.3	A
	83.2	809 856 86 *1	C-SB373H6G	18.1	61.8	3.32	11.3	At
6	100.0	809 861 86	C-SB453H6B	21.3	72.7	3.25	11.1	A
	100.0	809 866 86 *1	C-SB453H6G	21.3	72.7	3.25	11.1	At
8	131.9	809 284 86	C-SC583H6H	27.9	95.3	3.19	10.9	D
	137.0	809 281 86	C-SC603H6H	29.6	101.1	3.31	11.3	D
	137.0	809 283 86 *1	C-SC603H6K	29.6	101.1	3.31	11.3	Dt
10	171.2	809 201 86	C-SC753H6H	37.0	126.3	3.36	11.5	E
	171.2	809 203 86 *1	C-SC753H6K	37.0	126.3	3.36	11.5	Et

■ R22 Series — B9 (3Phase 60Hz 380V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	60Hz				Outline Graph Code
				Capacity		COP		
	HP			cm³ / rev	kW	kBTU/h	W/W	
3.5	51.8	809 831 89	C-SB263H9B	10.9	37.2	3.03	10.3	B
	51.8	809 832 89	C-SB263H9C	10.9	37.2	3.03	10.3	A
	55.7	809 830 89	C-SB263H9A	11.8	40.3	2.98	10.2	B
4	66.8	809 840 89	C-SB303H9A	14.2	48.5	3.23	11.0	A
	66.8	809 846 89 *1	C-SB303H9G	14.2	48.5	3.23	11.0	At
4.5	77.4	809 842 89	C-SB353H9A	16.6	56.7	3.25	11.1	A
5	83.2	809 850 89	C-SB373H9A	17.8	60.8	3.24	11.1	A
	83.2	809 856 89 *1	C-SB373H9G	17.8	60.8	3.24	11.1	At
6	100.0	809 860 89	C-SB453H9A	21.5	73.4	-	-	A
	100.0	809 866 89 *1	C-SB453H9G	21.5	73.4	-	-	At
8	137.0	809 281 89	C-SC603H9H	29.6	101.1	3.29	11.2	D
	137.0	809 283 89 *1	C-SC603H9K	29.6	101.1	3.29	11.2	Dt
10	171.2	809 201 89	C-SC753H9H	37.3	127.3	3.36	11.5	E
	171.2	809 203 89 *1	C-SC753H9K	37.3	127.3	3.36	11.5	Et

■ R22 Hi-COP Series — B8 (3Phase 50Hz 380-415V/60Hz 440-460V) Power Source

Out Put	Displacement	Compressor Model	50Hz				60Hz				Outline Graph Code
			Capacity		COP		Capacity		COP		
	HP		cm³ / rev	kW	kBTU/h	W/W	BTU/Wh	kW	kBTU/h	W/W	
4.5	76.0	C-SBX165H38A	13.5	46.1	3.33	11.4	16.3	55.7	3.33	11.4	A
	76.0	C-SBX165H38B *1	13.5	46.1	3.33	11.4	16.3	55.7	3.33	11.4	At
5	81.0	C-SBX180H38A	14.3	48.8	3.33	11.4	17.3	59.1	3.33	11.4	A
	81.0	C-SBX180H38B *1	14.3	48.8	3.33	11.4	17.3	59.1	3.33	11.4	At
	83.7	C-SBX180H38C	14.7	50.2	3.30	11.3	17.8	60.8	3.30	11.3	A
	83.7	C-SBX180H38D *1	14.7	50.2	3.30	11.3	17.8	60.8	3.30	11.3	At

■ R22 Hi-COP Series — B6 (1Phase 60Hz 208-230V) Power Source - DESIGNING

Out Put	Displacement	Compressor Model	Starting Method	Capacitor Specification		60Hz				Outline Graph Code
				Run Cap. (MFD/V)	Start Cap. (MFD/V)	Capacity		COP		
HP	cm³ / rev					kW	kBTU/h	W/W	BTU/Wh	
3.1	52.0	C-SBX110H16A	CSR	60/440	100~140/ 330	11.2	38.2	-	-	A
3.5	54.8	C-SBX120H16A	CSR	60/440	100~140/ 330	11.8	40.3	-	-	A
3.8	63.9	C-SBX140H16A	PSC	60/440	-	14.0	47.8	-	-	A
4	66.9	C-SBX145H16A	CSR	60/440	100~140/ 330	14.5	49.5	-	-	A
4.5	74.0	C-SBX160H16A	PSC	60/440	-	16.0	54.6	-	-	A

■ R22 Inverter Series — (3Phase 30-120Hz 150-380V)

Displacement	Compressor Model	90Hz				Outline Graph Code
		Capacity		COP		
cm ³ / rev		kW	kBTU/h	W/W	BTU/Wh	
55.7	C-SBV180H00A	18.0	61.5	3.0	10.2	J
	C-SBV180H00B	18.0	61.5	3.0	10.2	Jt

■ R407C Series — B8 (3Phase 50Hz 380-415V/60Hz 440-460V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	50Hz				60Hz				Outline Graph Code
				Capacity		COP		Capacity		COP		
	HP			cm³ / rev	kW	kBTU/h	W/W	BTU/Wh	kW	kBTU/h	W/W	
3.5	55.7	809 930 88	C-SBN263H8A	9.60	32.8	2.87	9.8	11.80	40.3	2.87	9.8	B
4	66.8	809 940 88	C-SBN303H8A	11.6	39.6	3.05	10.4	14.6	49.8	3.17	10.8	A
	66.8	809 946 88 *1	C-SBN303H8G	11.6	39.6	3.05	10.4	14.6	49.8	3.17	10.8	At
4.5	77.4	809 942 88	C-SBN353H8A	13.4	45.8	2.91	9.9	16.5	56.3	2.95	10.1	A
5	83.2	809 950 88	C-SBN373H8A	14.5	49.5	2.93	10.0	17.8	60.8	2.99	10.2	A
	83.2	809 956 88 *1	C-SBN373H8G	14.5	49.5	2.93	10.0	17.8	60.8	2.99	10.2	At
6	100.0	809 960 88	C-SBN453H8A	17.6	60.1	3.03	10.3	21.3	72.7	3.04	10.4	A
	100.0	809 966 88 *1	C-SBN453H8G	17.6	60.1	3.03	10.3	21.3	72.7	3.04	10.4	At
8	137.0	809 181 88	C-SCN603H8H	24.5	83.6	3.16	10.8	29.1	99.4	3.08	10.5	D
	137.0	809 183 88 *1	C-SCN603H8K	24.5	83.6	3.16	10.8	29.1	99.4	3.08	10.5	Dt
10	171.2	809 101 88	C-SCN753H8H	29.9	102.1	3.20	10.9	35.9	122.6	3.12	10.7	E
	171.2	809 103 88 *1	C-SCN753H8K	29.9	102.1	3.20	10.9	35.9	122.6	3.12	10.7	Et
12	205.4	809 121 88	C-SCN903H8H	34.9	119.2	3.09	10.5	-	-	-	-	E
	205.4	809 123 88 *1	C-SCN903H8K	34.9	119.2	3.09	10.5	-	-	-	-	Et

■ R407C Series — B5 (1Phase 50Hz 220-240V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	Starting Method	Capacitor Specification		50Hz				Outline Graph Code
					Run Cap. (MFD/V)	Start Cap. (MFD/V)	Capacity		COP		
HP	cm³ / rev						kW	kBTU/h	W/W	BTU/Wh	
3.5	55.7	809 930 45	C-SBN261H5A	PSC	60/440	-	9.70	33.1	2.85	9.7	A
4	66.8	809 940 45	C-SBN301H5A	PSC	60/440	-	11.8	40.3	2.95	10.1	A
4.5	77.4	809 942 45	C-SBN351H5A	PSC	70/440	-	13.5	46.1	2.84	9.7	A
5	83.2	809 950 45	C-SBN371H5A	PSC	70/440	-	14.7	50.2	2.91	9.9	A

■ R407C Series — B5 (3Phase 50Hz 220-240V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	50Hz				Outline Graph Code
				Capacity		COP		
	HP			cm³ / rev	kW	kBTU/h	W/W	
4	66.8	809 940 85	C-SBN303H5A	11.5	39.3	2.99	10.2	A
5	83.2	809 950 85	C-SBN373H5A	14.7	50.2	2.91	9.9	A
6	100.0	809 960 85	C-SBN453H5A	17.7	60.4	3.00	10.2	A
8	137.0	809 181 85	C-SCN603H5H	24.2	82.6	3.14	10.7	D
10	171.2	809 101 85	C-SCN753H5H	29.9	102.1	3.18	10.9	E
12	205.4	809 121 85	C-SCN903H5H	34.8	118.8	3.08	10.5	E

Rating Condition for Refrigeration (R22/R404A)

	C1		C2	
	℃	℉	℃	℉
Condensing Temperature	50	122	50	122
Evaporating Temperature	-15	5	-10	14
Liquid Temperature	50	122	50	122
Return Gas Temperature	18.3	65	18.3	65

■ R410A Series —— B8 (3Phase 50Hz 380-415V/60Hz 440-460V) Power Source

Out Put	Displacement	Compressor Code	Compressor Model	50Hz				60Hz				Outline Graph Code
				Nominal Capacity		COP		Nominal Capacity		COP		
HP	cm³ / rev			kW	kBTU/h	W/W	BTU/Wh	kW	kBTU/h	W/W	BTU/Wh	
3	35.0	809 934 88	C-SBN233H8E	8.60	29.4	-	-	-	-	-	-	A
3.5	37.5	809 933 88	C-SBN263H8D	8.85	30.2	2.49	8.50	11.6	39.6	2.76	9.42	A
4	39.9	809 943 88	C-SBN303H8D	9.80	33.5	2.68	9.15	12.2	41.7	2.87	9.80	A
	39.9	809 945 88 ⁺¹	C-SBN303H8F	9.80	33.5	2.68	9.15	12.2	41.7	2.87	9.80	Jt
	39.9	809 947 88 ⁺¹	C-SBN303H8H	9.80	33.5	2.68	9.15	12.2	41.7	2.87	9.80	At
4.5	51.8	809 948 88	C-SBN353H8D	13.0	44.4	2.80	9.56	16.2	55.3	2.97	10.14	A
	51.8	809 949 88 ⁺¹	C-SBN353H8H	13.0	44.4	2.80	9.56	16.2	55.3	2.97	10.14	At
5	55.7	809 953 88	C-SBN373H8D	14.1	48.1	2.97	10.1	17.1	58.4	3.05	10.4	A
	55.7	809 955 88 ⁺¹	C-SBN373H8F	14.1	48.1	2.97	10.1	17.1	58.4	3.05	10.4	Jt
	55.7	809 957 88 ⁺¹	C-SBN373H8H	14.1	48.1	2.97	10.1	17.1	58.4	3.05	10.4	At
6	66.8	809 963 88	C-SBN453H8D	16.4	56.0	2.85	9.73	20.3	69.3	3.01	10.3	A
	66.8	809 965 88 ⁺¹	C-SBN453H8F	16.4	56.0	2.85	9.73	20.3	69.3	3.01	10.3	Jt
	66.8	809 967 88 ⁺¹	C-SBN453H8H	16.4	56.0	2.85	9.73	20.3	69.3	3.01	10.3	At
7	77.4	809 973 88	C-SBN523H8D	19.2	65.6	2.84	9.70	-	-	-	-	A
	77.4	809 975 88 ⁺¹	C-SBN523H8F	19.2	65.6	2.84	9.70	-	-	-	-	Jt
	77.4	809 977 88 ⁺¹	C-SBN523H8H	19.2	65.6	2.84	9.70	-	-	-	-	At

■ R410A Series —— B5 (1Phase 50Hz 220-240V) Power Source

Out Put	Displacement	Compressor Code			Compressor Model	Starting Method	Capacitor Specification		50Hz				Outline Graph Code
							Run Cap. (MFD/V)	Start Cap. (MFD/V)	Nominal Capacity		COP		
HP	cm³ / rev			kW	kBTU/h	W/W			BTU/Wh				
3	35.0	809	934	45	C-SBN231H5E	PSC	60/440	-	8.60	29.4	-	-	A
3.5	37.5	809	933	45	C-SBN261H5D	PSC	60/440	-	9.15	31.2	2.47	8.4	A
4	39.9	809	943	45	C-SBN301H5D	PSC	60/440	-	9.35	31.9	2.49	8.5	A

■ R410A Hi-COP Series —— B8 (3Phase 50Hz 380-415V/60Hz 440-460V) - DESIGNING

Out Put	Displacement	Compressor Model	50Hz				60Hz				Outline Graph Code
			Nominal Capacity		COP		Nominal Capacity		COP		
HP	cm³ / rev		kW	kBTU/h	W/W	BTU/Wh	kW	kBTU/h	W/W	BTU/Wh	
3.5	39.6	C-SBP120H38A	10.0	34.1	3.0	10.2	12.2	41.7	3.0	10.2	A
4.6	52.0	C-SBP160H38A	13.2	45.1	3.0	10.2	15.9	54.3	3.0	10.2	A
5	54.8	C-SBP170H38A	13.9	47.	3	10.2	16.8	57.4	3.0	10.2	A
6	66.9	C-SBP205H38A	16.9	57.8	3.0	10.2	20.5	70.1	3.0	10.2	A
8	89.2	C-SCP270H38A	22.4	76.5	3.03	10.35	27.2	92.9	3.06	10.45	D
	89.2	C-SCP270H38B ⁺¹	22.4	76.5	3.03	10.35	27.2	92.9	3.06	10.45	Dt
10	104.1	C-SCP315H38A	26.0	88.8	3.02	10.31	31.4	107.2	3.02	10.31	E
	104.1	C-SCP315H38B ⁺¹	26.0	88.8	3.02	10.31	31.4	107.2	3.02	10.31	Et
11	120.2	C-SCP360H38A	29.8	101.7	3.01	10.28	35.9	122.6	3.02	10.31	E
	120.2	C-SCP360H38B ⁺¹	29.8	101.7	3.01	10.28	35.9	122.6	3.02	10.31	Et
12	131.9	C-SCP400H38A	32.8	111.9	3.01	10.28	-	-	-	-	E
	131.9	C-SCP400H38B ⁺¹	32.8	111.9	3.01	10.28	-	-	-	-	Et

■ R410A Inverter Series —— (3Phase 30-90Hz 150-380V) - DESIGNING

Displacement	Compressor Model	90Hz		90Hz	
		Capacity		COP	
		kW	kBTU/h	W/W	BTU/Wh
55.7	C-SBVP180H00A	18.0	61.5	2.8	9.6
	C-SBVP180H00B	18.0	61.5	2.8	9.6

■ R22 Series for Refrigeration —— B3 (3Phase 50Hz 200V/60Hz 200-220V) Power Source

Out Put	Displacement	Compressor Code			Compressor Model	Rating Condition C1							
						50Hz				60Hz			
						Capacity		Input	Current	Capacity		Input	Current
						kW	kBTU/h	kW	A	kW	kBTU/h	kW	A
5	89.2	809	250	63	C-SC373L3G	6.80	23.2	4.70	16.3	8.05	27.5	5.50	17.5
6	104.0	809	260	63	C-SC453L3G	7.95	27.1	5.20	18.0	9.35	31.9	6.10	19.3
7	120.0	809	270	63	C-SC523L3G	9.30	31.8	6.05	21.6	10.95	37.4	7.00	22.2
8	137.0	809	280	63	C-SC603L3G	10.40	35.5	7.00	23.5	12.30	42.0	8.25	26.0
10	171.2	809	200	63	C-SC753L3G	13.20	45.1	8.45	28.0	15.60	53.3	10.00	31.0

■ R22 Series for Refrigeration —— B8 (3Phase 50Hz 380-415V/60Hz 440-460V) Power Source

Out Put	Displacement	Compressor Code			Compressor Model	Rating Condition C1							
						50Hz				60Hz			
						Capacity		Input	Current	Capacity		Input	Current
						kW	kBTU/h	kW	A	kW	kBTU/h	kW	A
5	89.2	809	250	68	C-SC373L8G	6.80	23.2	4.64	8.3	8.15	27.8	5.39	8.1
6	104.0	809	260	68	C-SC453L8G	7.95	27.1	5.14	9.1	9.47	32.3	5.98	8.9
7	120.0	809	270	68	C-SC523L8G	9.30	31.8	5.98	11.0	11.09	37.9	6.86	10.2
8	137.0	809	280	68	C-SC603L8G	10.40	35.5	6.92	11.9	12.46	42.5	8.09	12.0
10	171.2	809	200	68	C-SC753L8G	13.20	45.1	8.35	14.2	15.80	53.9	9.80	14.3

■ R22 Inverter Series for Refrigeration —— (3Phase 20-70Hz)

Out Put	Displacement	Compressor Code			Compressor Model	Rating Condition C2							
						50Hz (161V)				70Hz (190V)			
						Capacity		Input	Current	Capacity		Input	Current
						kW	kBTU/h	kW	A	kW	kBTU/h	kW	A
8	144.1	809	280	60	C-SCV603L0G	13.40	45.7	7.40	29.2	18.60	63.5	10.60	35.2

■ R404A Series for Refrigeration —— B3 (3Phase 50Hz 200V/60Hz 200-220V) Power Source

Out Put	Displacement	Compressor Code			Compressor Model	Rating Condition C1							
						50Hz				60Hz			
						Capacity		Input	Current	Capacity		Input	Current
						kW	kBTU/h	kW	A	kW	kBTU/h	kW	A
5	89.2	809	151	63	C-SCN373L3H	6.95	23.7	5.10	19.2	8.20	28.0	5.90	19.3
6	104.0	809	161	63	C-SCN453L3H	8.10	27.7	5.85	21.6	9.55	32.6	6.80	21.9
7	120.0	809	171	63	C-SCN523L3H	9.25	31.6	6.50	23.6	10.90	37.2	7.55	24.2
8	137.0	809	181	63	C-SCN603L3H	10.50	35.8	7.45	27.0	12.40	42.3	8.85	28.3
10	171.2	809	101	63	C-SCN753L3H	13.05	44.6	9.15	32.5	15.20	51.9	10.75	34.4

■ R404A Series for Refrigeration —— B8 (3Phase 50Hz 380-415V/60Hz 440-460V) Power Source

Out Put	Displacement	Compressor Code			Compressor Model	Rating Condition C1							
						50Hz				60Hz			
						Capacity		Input	Current	Capacity		Input	Current
						kW	kBTU/h	kW	A	kW	kBTU/h	kW	A
5	89.2	809	151	68	C-SCN373L8H	6.95	23.7	5.10	9.6	8.20	28.0	5.90	9.7
6	104.0	809	161	68	C-SCN453L8H	8.10	27.7	5.85	10.8	9.55	32.6	6.80	11.0
7	120.0	809	171	68	C-SCN523L8H	9.25	31.6	6.50	11.8	10.90	37.2	7.55	12.1
8	137.0	809	181	68	C-SCN603L8H	10.50	35.8	7.45	13.5	12.40	42.3	8.85	14.2
10	171.2	809	101	68	C-SCN753L8H	13.05	44.6	9.15	16.3	15.20	51.9	10.75	17.2

■ R404A Inverter Series for Refrigeration —— (3Phase 20-70Hz)

Out Put	Displacement	Compressor Code			Compressor Model
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Outline Graph

R22/R407C/R410A/R134a C-SB Series

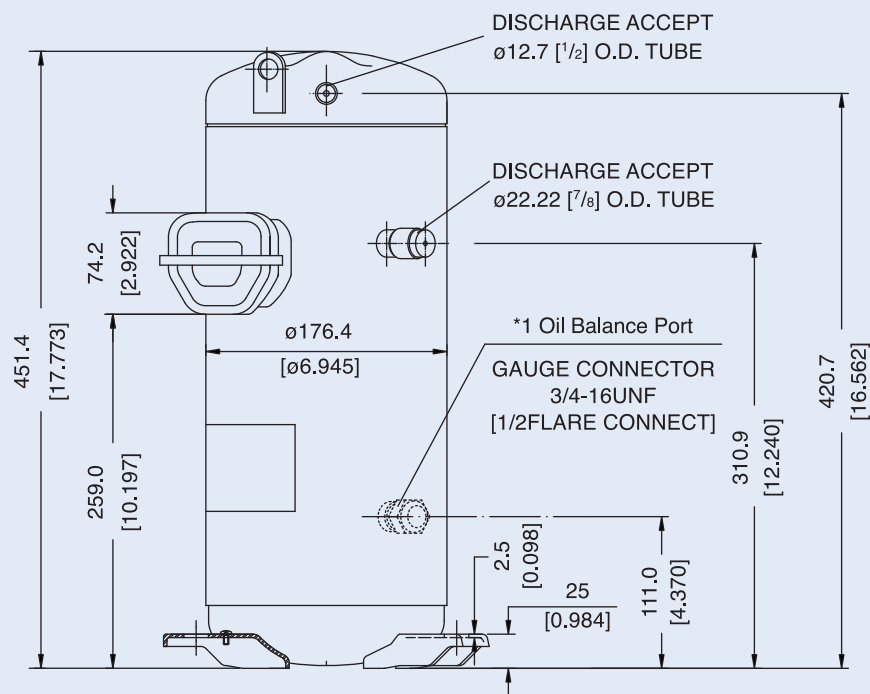
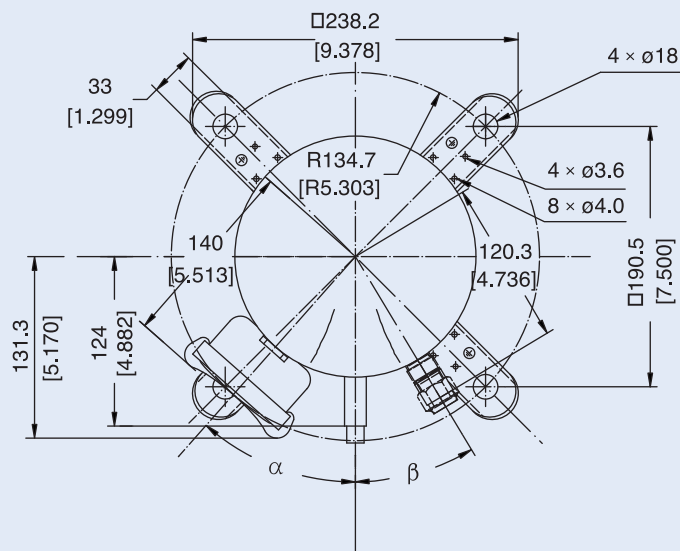
B Series-Single

CODE	α	β
A	41.5°	31.0°
B	27.5°	45.0°

B Series-Tandem

CODE	α	β
At	41.5°	31.0°

*1
The connection port of oil balance tube is attached to tandem model.



Outline Graph

R22/R407C/R410A/R134a C-SC Series

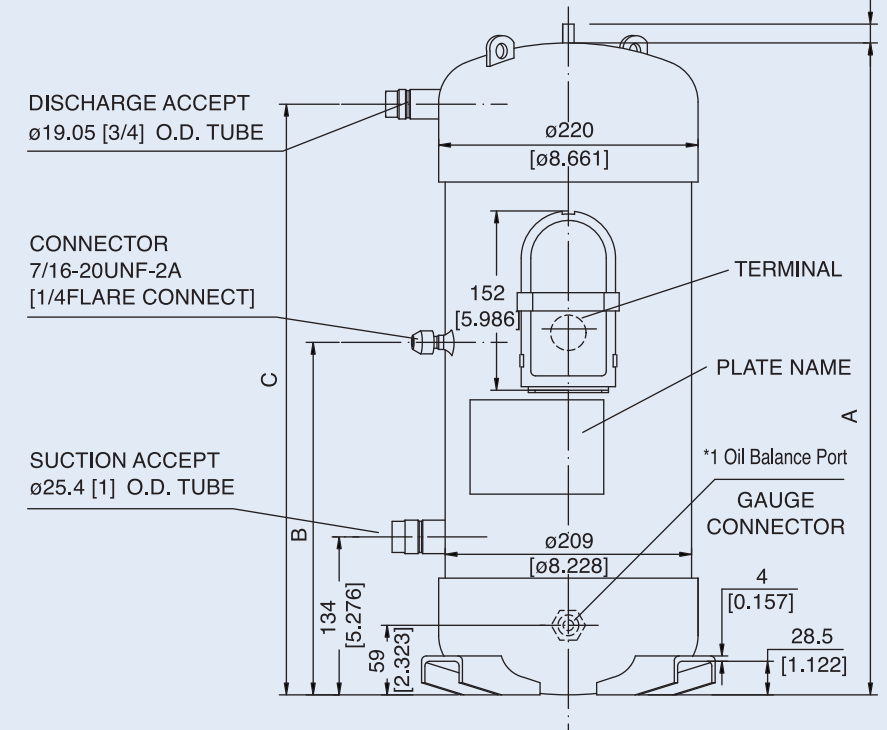
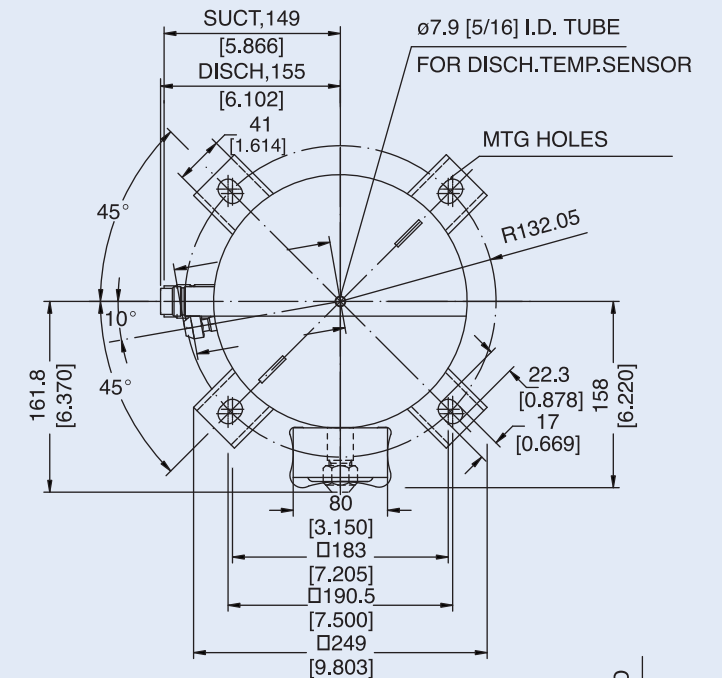
C Series-Single

CODE	A	B	C	D
D	538 [21.18]	284 [11.18]	486 [19.13]	8 [0.31]
E	553 [21.77]	299 [11.77]	501 [19.72]	9 [0.35]

C Series-Tandem

CODE	A	B	C	D
Dt	538 [21.18]	284 [11.18]	486 [19.13]	8 [0.31]
Et	553 [21.77]	299 [11.77]	501 [19.72]	9 [0.35]

*1 本并联机型附带并联接口。
The connection port of oil balance tube is attached to tandem model.



Outline Graph

R22/R410A Inverter Series

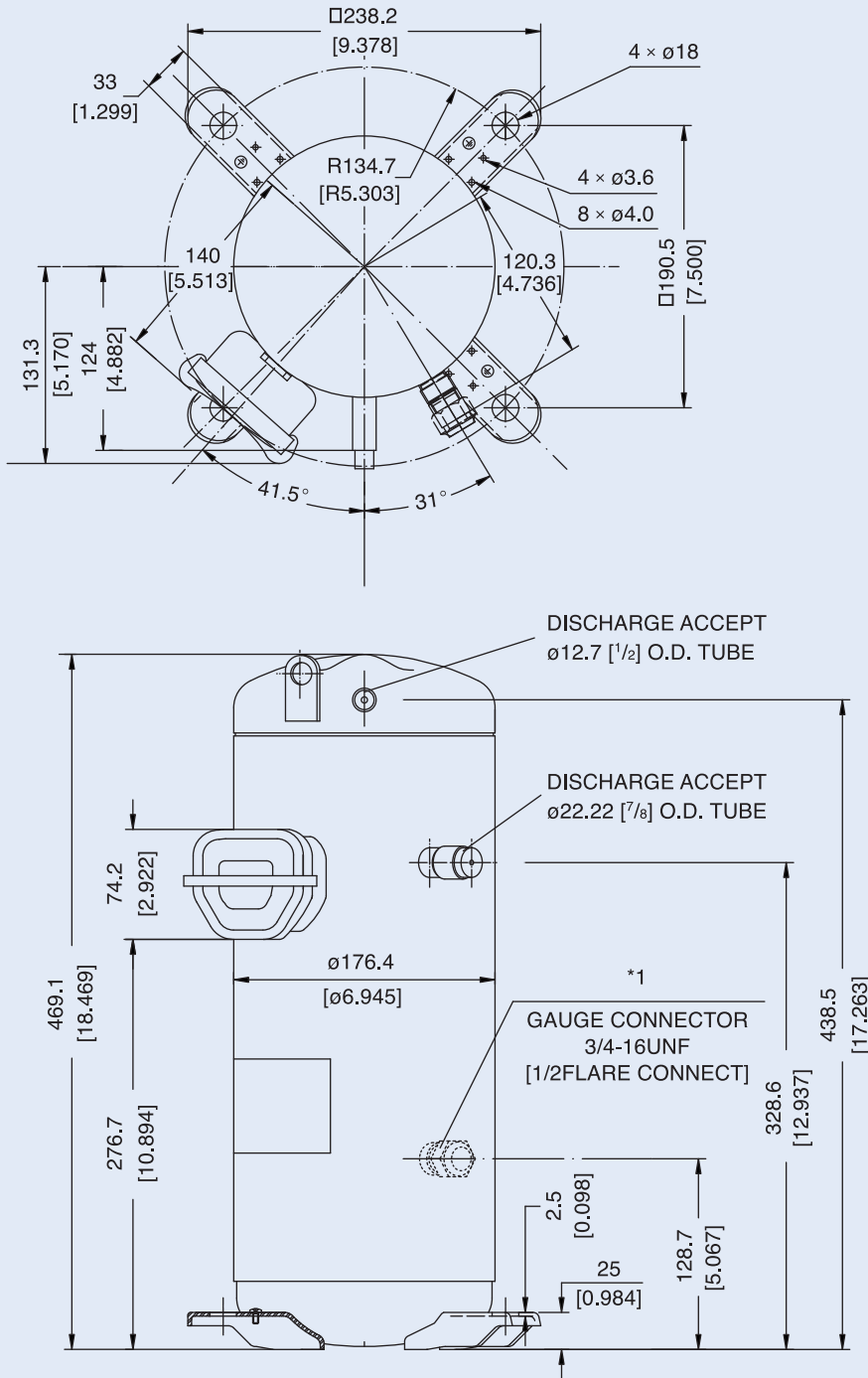
Inverter-Single

CODE
J

Inverter-Tandem
(B Series - Tandem)

CODE
Jt

*1
The connection port of oil balance
tube is attached to tandem model.



Model Nomenclatures

① C-SB, C-SBN, C-SC, C-SCN, C-SCV, C-SCVN Type

C-XXX	AA	B	C	D	E	Design Serial No.	A ~
							0:
							3: 50Hz 200V/ 60Hz 200, 220V
							5: 50Hz 220, 230, 240V
							6: 60Hz 208, 230V
							8: 50Hz 380, 415V/ 60Hz 440V, 460V
							9: 60Hz 380V
						Application	H: High Back Pressure L: Low Back Pressure
						Motor Phase	1: 1 Phase
							3: 3 Phase
						Output	AA × 100W
						Compressor Type	C-SB: B Series Scroll(R22)
							C-SBN: B Series Scroll(HFC)
							C-SC: C Series Scroll(R22)
							C-SCN: C Series Scroll(HFC)
							C-SCV: C Series Inverter Scroll(R22)
							C-SCVN: C Series Inverter Scroll(HFC)

② C-SBX, C-SBV, C-SBP, C-SBVP, C-SCP Type

C-XXX	AAA	B	C	D	E	Design Serial No.	A ~
							3: 50Hz 200V/ 60Hz 200, 220V
							5: 50Hz 220, 230, 240V
							6: 60Hz 208, 230V
							8: 50Hz 380, 415V/ 60Hz 440V, 460V
							9: 60Hz 380V
						Power Source (Phase)	1: Single Phase
							3: Three Phase
						Application	H: High Back Pressure
						Nomind Capacity	AAA × 100W
						Compressor Type	C-SBX: B Series Hi-COP Scroll (R22)
							C-SBP: B Series Hi-COP Scroll (R410A)
							C-SBV: B Series Inverter Scroll (R22)
							C-SBVP: B Series Inverter Scroll (R410A)
							C-SCP: C Series Hi-COP Scroll (R410A)

Notes

1. Installation should be completed within 15 minutes after removing the rubber plugs.
2. Do not use the compressor to compress air.
3. Do not energize the compressor under vacuumed conditon.
4. Evacuation and Refrigerant charge: Evacuate internal section in the refrigeration system from high and low pressure sides and charge liquid refrigerant from condenser outlet side. Additional charge shall be done with gas condition from low side.
5. Do not tilt over the compressor while carrying it.

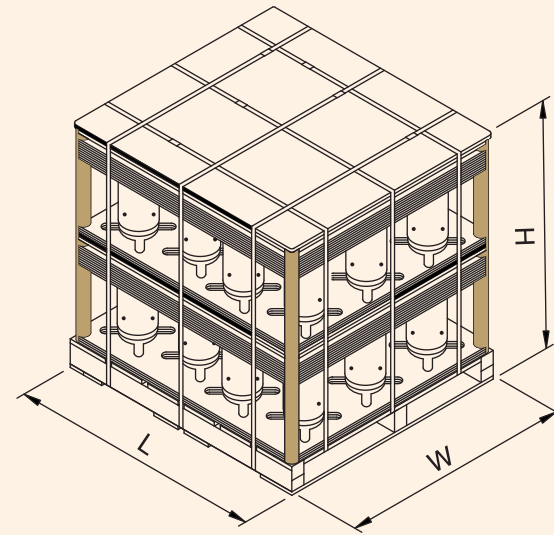
6. Do not remove the paint.
7. Crankcase heater is required when the oil sump temperature is too low to meet the requirement of item 6.
8. Voltage fluctuation between compressor terminals, during operation, shall be within 2% of the rated voltage.
9. Do not operate compressor in reverse rotational direction.
10. Suction strainers are recommended for all applications.
11. Copper Piping Stress

Start / Shutdown	34.32 N/mm ² Max.
Run	12.26 N/mm ² Max.



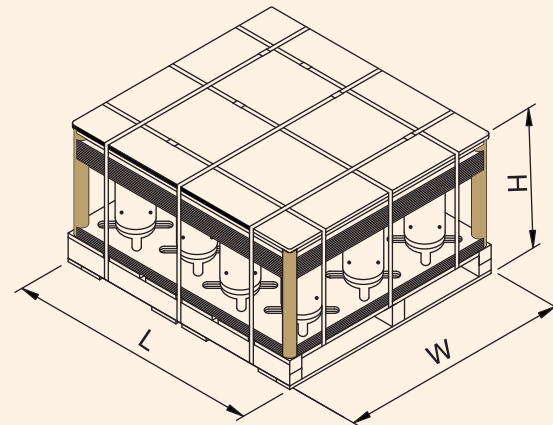
■ Packing

B series	Standard Package (24units)	Dimension (mm)	L	1100	1100
			W	1000	1000
			H	1086	1120
			Typical model	80985088	C-SBV180H00A
	FCL (20")	Packages in total	24units package	20	20
	Remark	Two layers both for transportation and storage (at most)			



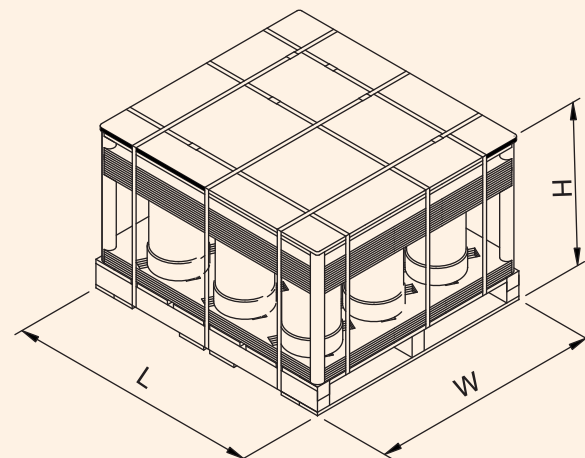
B series Packaging Drawing (24units Package)

B series	Small Package (12units)	Dimension (mm)	L	1100	1100
			W	1000	1000
			H	605	623
			Typical model	80985088	C-SBV180H00A
	FCL (20")	Packages in total	12units package	30	30
	Remark	Three layers both for transportation and storage (at most)			



B series Packaging Drawing (12units Package)

C series	Standard Package (9units)	Dimension (mm)	L	1100	1100	1100
			W	1000	1000	1000
			H	682	697	707
			Typical model	80928188	80920188	80922188
	FCL (20")	Packages in total	9units package	30	30	30
	Remark	Three layers both for transportation and storage (at most)				



C series Packaging Drawing

Notes:

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Parameters are subject to change without notice

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