# 1 Specifications

1-1 TECHNICAL SPECIFICATIONS			IS	BSV6Q100PV1	
Maximum capacity index of connectable indoor units				600	
Maximum capacity index of connectable indoor units				100	
per branch					
Number of branches				6	
Maximum number of connectable indoor units				30	
Maximum number of connectable indoor units per branch			per	5	
Power input (nominal)	Cooling kW		kW	0.030	
	Heating k		kW	0.030	
Casing	Material	Material		Galvanised steel	
Dimensions	Unit	Height	mm	209	
		Width	mm	1,577	
		Depth	mm	635	
Weight	Unit	kg		89	
Outdoor Unit	Liquid (OD)	Туре		Brazing connection	
		Diameter	mm	15.9	
	Gas	Туре		Brazing connection	
		Diameter	mm	28.6	
	Discharge Gas	Туре		Brazing connection	
		Diameter	mm	28.6	
Indoor Units	Liquid (OD)	Туре		Brazing connection	
		Diameter	mm	9.5	
	Gas	Туре	Brazing connection		
		Diameter	mm	15.9	
Sound absorbir	g thermal insulation	on material		Foamed polyurethane, Flame resisting needle felt	
Standard	Standard Item Accessories			Installation manual	
Accessories				Connection pipes	
				Insulation pipe cover	
				Clamps	
Notes				In case of connection with a 20~50 type indoor unit, match to the size of the field pipe using the attached pipe.	
				Connection between the attached pipe and the field pipe must be brazed.  In case the joint diameter does not fit on the triple piping side, a reducer is needed (field supply)	
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1-2 ELECTRICAL SPECIFICATIONS			BSV6Q100PV1		
Power Supply	Name		V1		
	Phase		1~		
	Frequency	Hz	50		
	Voltage	V	220-240		
Voltage range	Minimum	V	-10%		
	Maximum	V	+10%		
Total circuit	Minimum circuit amps (MCA)	Α	0.8		
	Maximum Fuse Amps	Α	15		
Notes			Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits		
			Maximum allowable voltage range variation between phases is 2%		
			MCA / MFA : MCA = 1.25 x FLA		
			MFA is smaller than or equal to 4 x FLA		
			Next lower standard fuse rating minimum 15A		
			Select wire size based on MCA		
			Instead of a fuse, use a circuit breaker		

2

## Safety device settings

BSV4Q100PV BSV6Q100PV		
	Model	Safety devices
	Model	PC board fuse
	BSV4Q100PV	250V 3.15A
	BSV6Q100PV	250V 3.15A

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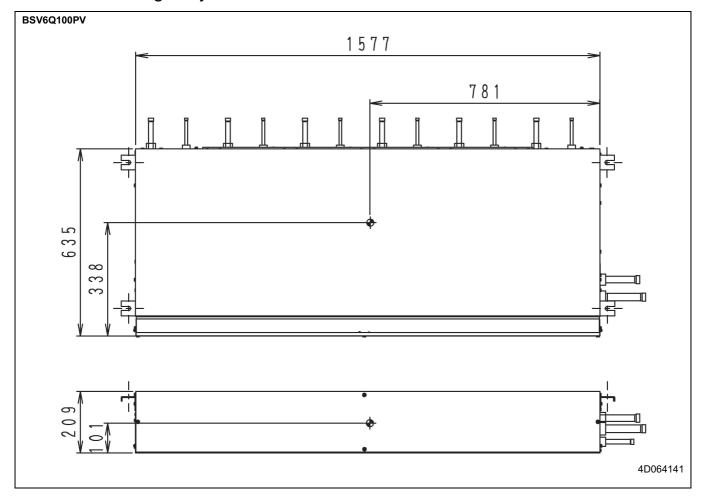
### 3 - 1 Dimensional drawing

Servicing space

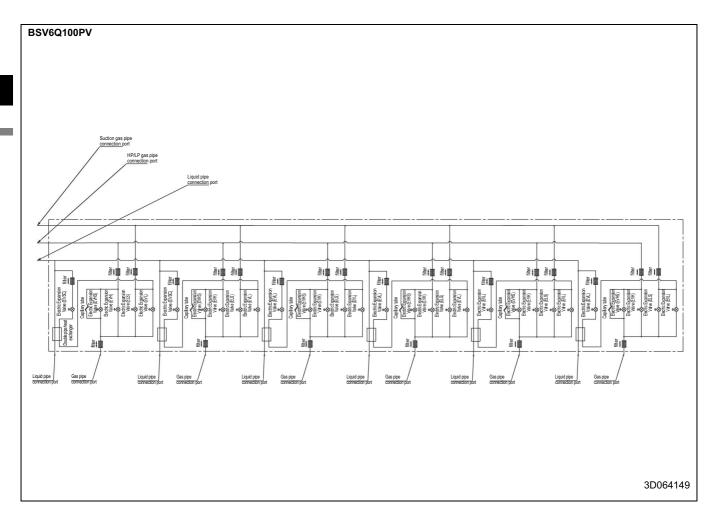
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## 3 Dimensional drawing & centre of gravity

## 3 - 2 Centre of gravity

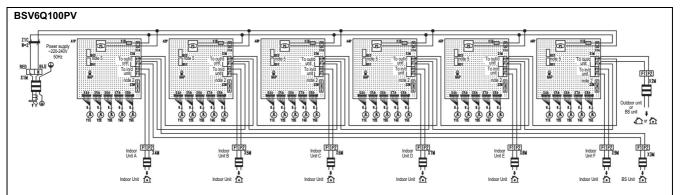


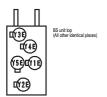


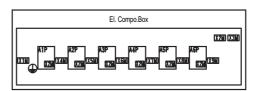


## 5 Wiring diagram

## 5 - 1 Wiring diagram







A1P (Unit A)	Printed circuit board (Indoor unit A)	X1M (A1P~A6P)	Terminal strip (control)
A1P (Unit B)	Printed circuit board (Indoor unit B)	X2M (A1P~A6P)	Terminal strip (C/H selector)
A1P (Unit C)	Printed circuit board (Indoor unit C)	X1M	Terminal strip (power)
A1P (Unit D)	Printed circuit board (Indoor unit D)	X2M	Terminal strip (control)
A1P (Unit E)	Printed circuit board (Indoor unit E)	Y1E	Electronical expansion valve (sub cool)
A1P (Unit F)	Printed circuit board (Indoor unit F)	Y2E	Electronical expansion valve (sub discharge)
DS1, DS2	Dip switch	Y3E	Electronical expansion valve (sub suction)
F1U	Fuse (T, 3.15A, 250V)	Y4E	Electronical expansion valve (main discharge)
HAP	Flashing lamp (service monitor green)	Y5E	Electronical expansion valve (main suction)
PS	Switching power supply (A1P~A6P))	Z1C	Noise filter (ferrite core)

: Terminal strip

: Connector

: Protective earth (screw)

Colors: BLU Blue

RED Red

3D063929B

### NOTES

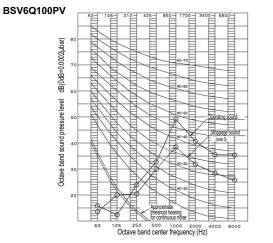
- 1 This wiring diagram applies to the BS unit only.
- 2 When using the COOL/HEAT selector (optional accessory), connect it to terminals A, B and C on X2M(A1P~A6P).
- 3 As for wiring to the X2M~X9M(control), refer to the installation manual.
- 4 Use copper conductors only.
- 5 Dip switch (DS1-2) initial settings are as follows.



For using dip switch (DS1-2), refer to the installation manual or to the 'service precaution' label on de el.compo.box cover.

#### 6 Sound data

#### 6 - 1 Sound pressure spectrum



4D064639

Stoppage sound 40

Operation sound 50

### NOTE

- Over All (dB):
  (B, G, N is already rectified)
  Operating conditions:

  Power source: 220-240V 50Hz
  Standard condition (JIS)
  Measuring place: Anechoic chamber.
  Operation noise differs with operation and ambient conditions.
- In case of other unit operating in the same system, operating sound will be generated, ever if indoor unit connected to BS unit is stopped.
- Location of microphone.

