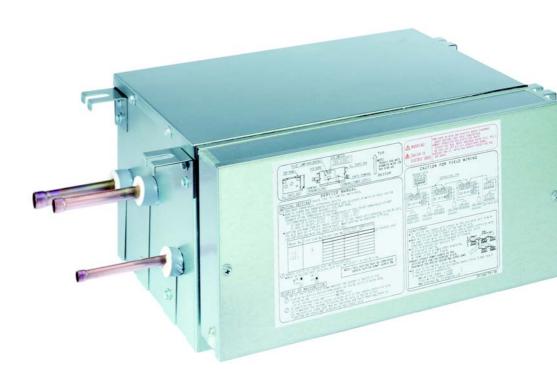


Air Conditioning **Technical Data**

Individual branch selector for VRV IV heat recovery



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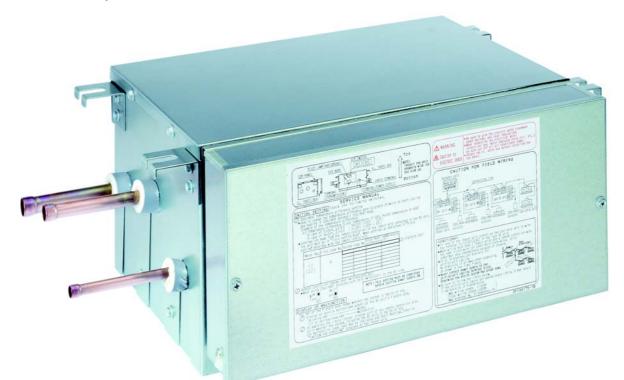
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BS1Q-A

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1 Features

- Unique range of single and multi BS boxes for flexible and fast design
- Compact & light to install
- Ideal for remote rooms as no drain piping is needed
- Allows integration of server rooms into the heat recovery solution thanks to technical cooling function
- Connect up to 250 class unit (28kW)
- Faster installation thanks to open connection
- Allows multi tenant applications
- Connectable to REYQ-T VRV IV heat recovery units



1

2 Specifications

2-1 Technical S	Specifications				BS1Q10A	BS1Q16A	BS1Q25A	
Power input Cooling No.		Nom.		kW	0.005			
	Heating	Nom.		kW	0.005			
Maximum number of	connectable indoor u	units			6 8			
Maximum capacity in	dex of connectable in	ndoor units			15 \< x ≤ 100	100\ <x≤160< td=""><td>160\<x≤250< td=""></x≤250<></td></x≤160<>	160\ <x≤250< td=""></x≤250<>	
Dimensions	Unit			mm	207x388x326			
Weight	Unit	•		kg	1	12	15	
Casing	Material					Galvanised steel plate		
Piping connections	Outdoor unit Liqui Gas	Liquid	uid Type		Brazing connection			
				mm	9.5			
		Gas Type			Brazing connection			
			OD	mm	15	5.9	22.2	
		Dischar	Туре		Brazing connection			
		ge gas	OD	mm	12	2.7	19.1	
	Indoor unit	Liquid	Туре		Brazing connection			
			OD	mm	9.5			
	Gas		Туре		Brazing connection			
			OD	mm	15	5.9	22.2	
Sound absorbing thermal insulation					Foamed polyurethane Flame-resistant needle felt			

Standard Accessories : Installation manual; Standard Accessories : Insulation; Standard Accessories : Accessory pipe; Standard Accessories : Clamps;

2-2 Electrical	Specifications			BS1Q10A	BS1Q16A	BS1Q25A
Power supply	Phase			1~		
	Frequency	Frequency Hz		50		
	Voltage V		220-240			
	Voltage range	Voltage range Min. %		-10		
	Max. %			10		
Total circuit	Minimum circuit amps (MCA) A		0.1			
	Maximum fuse am	ps (MFA)	А		15	

Notes

In case of connecting with a 15-50 type indoor unit, use the accessory pipe to match the size of the field pipe. Be sure to braze the connection between the accessory pipe and the field pipe.

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

 $MFA \le 4 \times FLA$

Next lower standard fuse rating minimum 15A

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

In case of connecting to a 150-160 type indoor unit, use the accessory pipe to match the size of the field pipe. Be sure to braze the connection between the accessory pipe and the field pipe.

In case of connecting to a 160-200 type indoor unit, use the accessory pipe to match the size of the field pipe. Be sure to braze the connection between the accessory pipe and the field pipe.

3 3 - 1 **Electrical data**

Electrical Data

BS1Q-A

	Category of unit		Power supply		Power input [W]		
Model	Hz	Voltage	Voltage range	MCA	MFA	Cooling	Heating
BS1Q10A7V1B			Maximum: ·264V·				
BS1Q16A7V1B	50	220-240	Minimum 400)/	0.1	15	5	5
BS1Q25A7V1B			Minimum: ·198V·				

Symbols

MCA: Minimum Circuit Ampere (A)

MFA: Maximum Fuse Ampere (A) See note ·5·.

Voltage range
 The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.

- 2. The maximum allowable voltage that is unbalanced between phases is ·2·%. 2. The maximum anomatic roung.

 3. MCA / FLA
 MCA = 1.25 x FLA
 MFA ≤ 4 x FLA
 The next lower standard fuse rating is minimum ·15· ampere.

- 4. Select the wire size according to the MCA.
- 5. Use a circuit breaker instead of a fuse.

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Safety device settings Safety Device Settings

4 - 1

BS1Q-A

Model	Safety devices
Wodel	PCB fuse
BS1Q10A7V1B	250V 3.15A
BS1Q16A7V1B	250V 3.15A
BS1Q25A7V1B	250V 3.15A

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BS1Q-A

Option list

Г		Item	BS1Q10A	BS1Q16A	BS1Q25A
7	1	PCB for multi-tenant indoor units	DTA114A61		
2	2	Sound reduction kit	EKBSVQLNI	See note ·2·.	

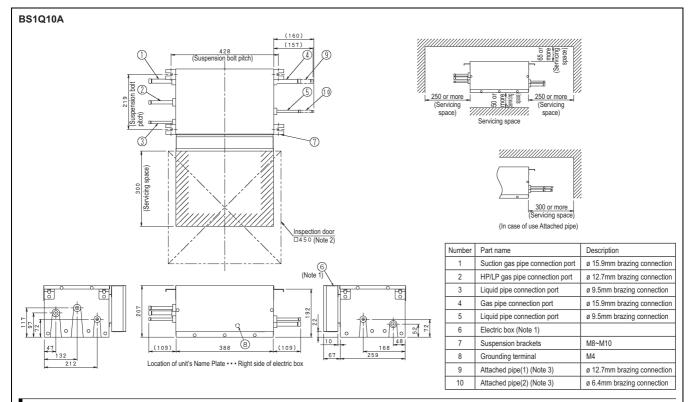
- 2. Only available for standard ·BS· units. Reduces the operating sound of the ·BS· unit (requires 1 kit per unit).

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6 Dimensional drawings

6 - 1 Dimensional Drawings

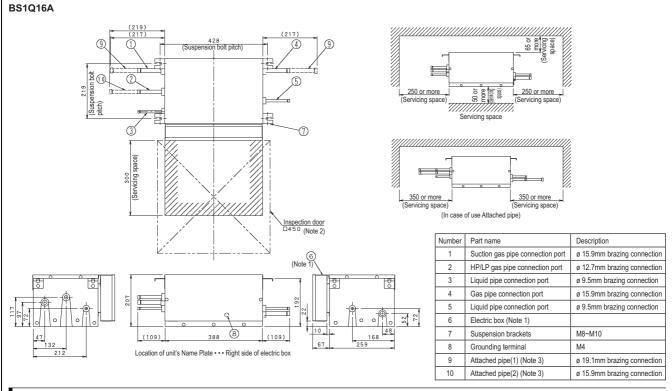


NOTES

- 1. Electric box can also be fixed on the other side of the unit.
- 2. Be sure to install an inspection door at electric box side.
- 3. Attached pipe is only used in case of connecting with a 20-50 class indoor unit.
- Small sound of refrigerant will be made, which may be disturbing.

 Do not install it at the place such as bedroom under roof.

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NOTES

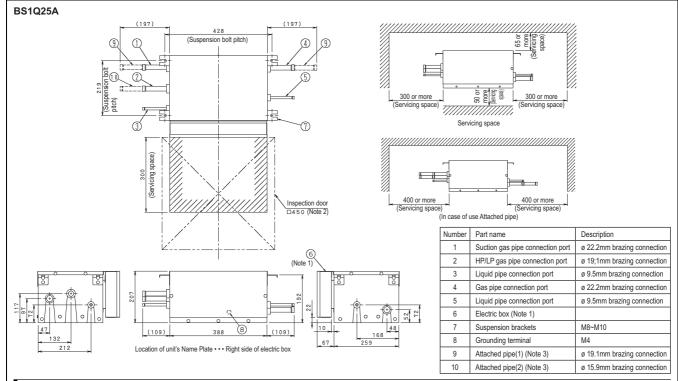
- 1. Electric box can also be fixed on the other side of the unit.
- 2. Be sure to install an inspection door at electric box side.
- 3. Attached pipe is only used in case of connecting with indoor unit capacity index 150 or more and 160 or less.
- 4. Small sound of refrigerant will be made, which may be disturbing.

Do not install it at the place such as bedroom under roof.

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6 Dimensional drawings

6 - 1 Dimensional Drawings

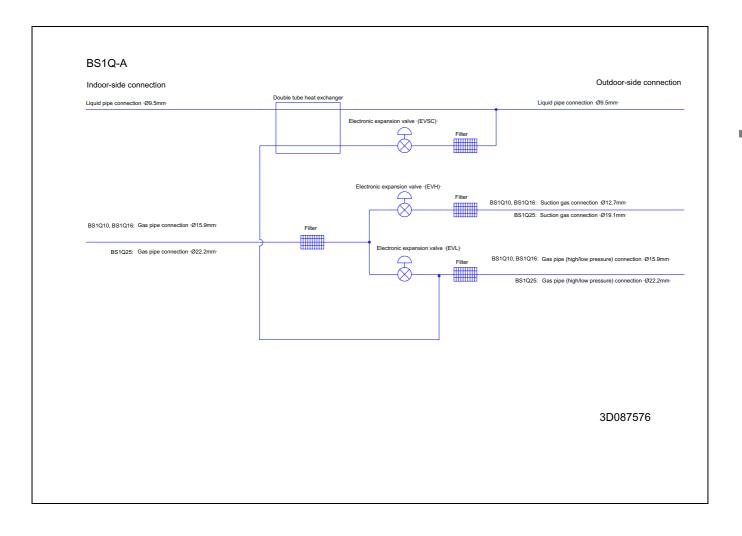


NOTES

- 1. Electric box can also be fixed on the other side of the unit.
- 2. Be sure to install an inspection door at electric box side.
- 3. Attached pipe(1) and Attached pipe(2) is used in case of connecting with indoor capacity index more than 160 and less than 200. In case of connecting one indoor unit of 200 type, only gas pipe connection port need Attached pipe(1).
- Small sound will be made when changing over the motor operated valve, which may be disturbing. Do not install it at the place such as bedroom under roof.

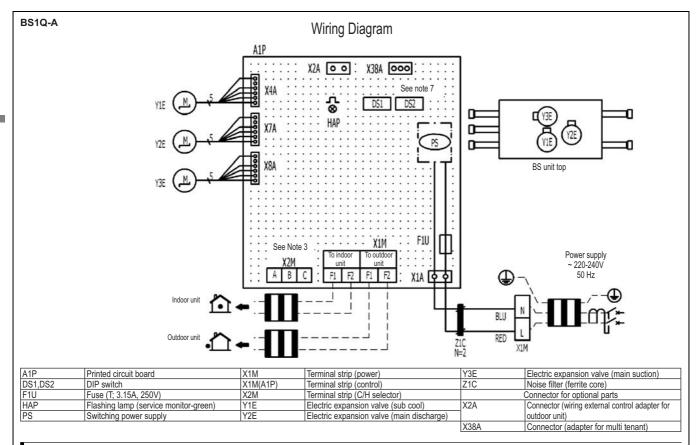
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Piping diagramsPiping Diagrams **7** 7 - 1



Wiring diagrams

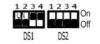
8 - 1 Wiring Diagrams - Single Phase



NOTES

- This wiring diagram applies to the BS unit only
- ☐☐☐ : Terminal strip, ☐☐ : Connector, ── : Terminal, ☐☐☐ : Field wiring, ⊕ : Protective earth
- 3. When using the cool/heat selector (optional accessory), connect it to terminals A, B and C on X2M.
- 4. As for wiring to the indoor unit (F1) (F2) and outdoor unit (F1) (F2)
- 5. Symbols shows as follows: (BLU: Blue, RED: Red)
- 6. Use copper conductors only.
- 7. DIP Switch (DS1, DS2) initial settings are as follows:



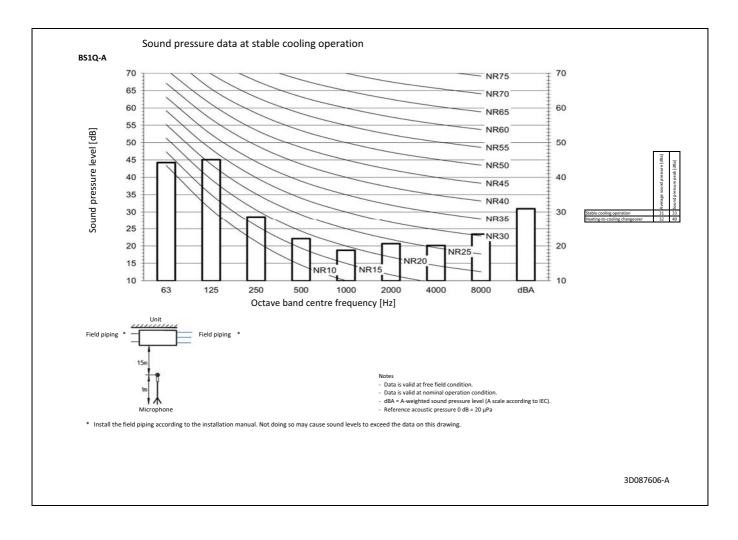


For using DIP Switch (DS1, DS2), refer to installation manual or "service precaution" label on EL. Compo. box cover.

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Sound data

9 9 - 1 Sound Pressure Spectrum









These products are not within the scope of the Eurovent certification program

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