

technical data

BS box

BSVQ-MV1

air conditioning systems

YRVII YRV-WII

TABLE OF CONTENTS

BS box

1	Specifications Technical specifications Electrical specifications Safety device settings	2
2	Accessories	2
3	Dimensions. Dimensional drawings Centre of gravity	3
4	Piping diagram	5
5	Wiring diagram	6

1 Specifications

1 - 1 Technical specifications

BSVQ-MV1				100	160	250
TOTAL CAPACITY INDEX OF CONNECTABLE INDOOR UNIT				≤ 100	100 < X ≤ 160	160 < X ≤ 250
MAXIMUM NUMBER OF CONNECTAL	5	8	5			
NOMINAL INPUT	NAL INPUT Cooling			21	21	21
Heating			W	21	21	21
DIMENSIONS	DIMENSIONS			185x310x280		
WEIGHT			kg	9	9	10
CASING				galvanised steel plate		
PIPING CONNECTIONS	Indoor unit	Indoor unit Liquid		9.5 (flare) *1	9.5 (flare)	9.5 (flare)
		Gas	mm	15.9 (flare) *1	15.9 (flare)	22.2 (flange) *2
	Outdoor unit	Liquid	mm	9.5 (flare) *1	9.5 (flare)	9.5 (flare)
		Suction gas	mm	15.9 (flare) *1	15.9 (flare)	22.2 (flange) *2
		Discharge gas	mm	12.7 (flare) *1	12.7 (flare)	19.1 (brazing) *3
SOUND ABSORBING THERMAL INSULATION MATERIAL				flame and heat resistant foamed polyethylene		

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NOTES

- 1 If the total capacity of all indoor units connected to the system is less than 7,1kW, connect the attached pipe to the field pipe. (Braze the connection between the attached pipe and the field pipe)
- 2 Use the field flanged pipe. Also with a 200 class indoor unit, connect the attached reducer to the field pipe. (Braze the connection between the attached pipe and field pipe)
- 3 Use the attached pipe
- 4 Information was not available at the time of publication
- Please note that connectable indoor unit for BSVQ250M is from size 50 onwards. This means that indoor size 20 to 40 should NOT be connected to BSVQ250M. The explanation of possible trouble is that there is mainly a problem with the refrigerant side: if only this BSVQ is in heating, and all the other BSVQ are in cooling, there is a high risk of liquid back to the suction side (by insufficient evaporation of liquid used for extra sub-cool). If such operation of BSVQ250M runs for a while with an indoor thermostat-on of index 40 or less, it can result in compressor failure. The communication itself will work as the BSVQ does not know its size, so it can not check if indoor index is correct or not.
- 6 BS boxes cannot be installed upside down
- 7 In case of sound sensitive application, please contact your local daikin reprensentative for more details and recommandations

1 - 2 Electrical specifications

BSVQ-MV1			100	160	250	
CURRENT	Minimum circuit amps (MCA)	Α	0.2			
	Maximum fuse amps (MFA)	Α	15			
POWER SUPPLY V			1~, 50Hz, 220-240V			
VOLTAGE RANGE	Min ~ Max		198 ~ 264			
-			• • •			

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NOTES

- 1 Voltage range: units are suitable for use on electrical systems where voltage supplied to units terminals is not below or above listed range limits.
- 2 Maximum allowable voltage unbalance between phases is 2 %
- 3 MCA / MFA: MCA = 1.25 x FLA MFA ≤ 4 x FLA (Next lower standard fuse rating. Min. 15A)

- 4 Select wire size based on the MCA
- 5 Instead of fuse, use circuit breaker
- For more details concerning conditional connections, see http://www.daikineurope.com/extranet, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button.

Finally, click on the document title of your choice.

1 - 3 Safety device settings

BSVQ-MV1	100	160	250
PC BOARD FUSE		250V, 5A	

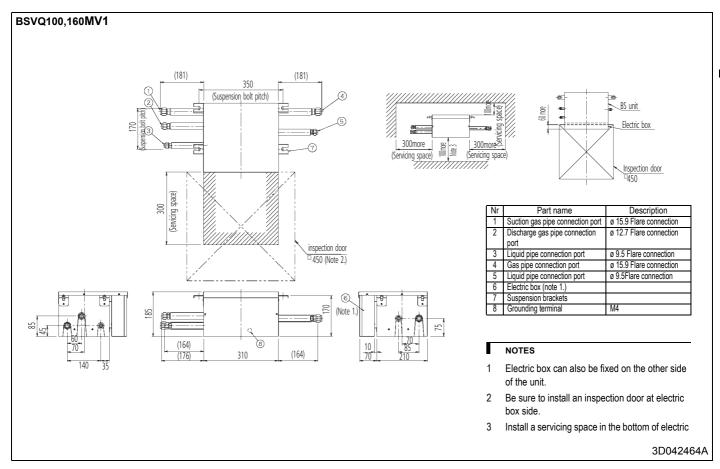
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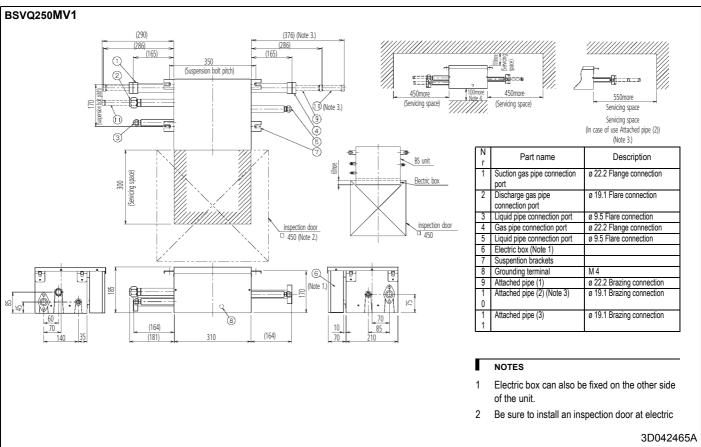
2 Accessories

BSVQ-MV1	100	250		
COOL/HEAT SELECTOR	KRC19-26A			
FIXING BOX	KJB111A			

3 Dimensions

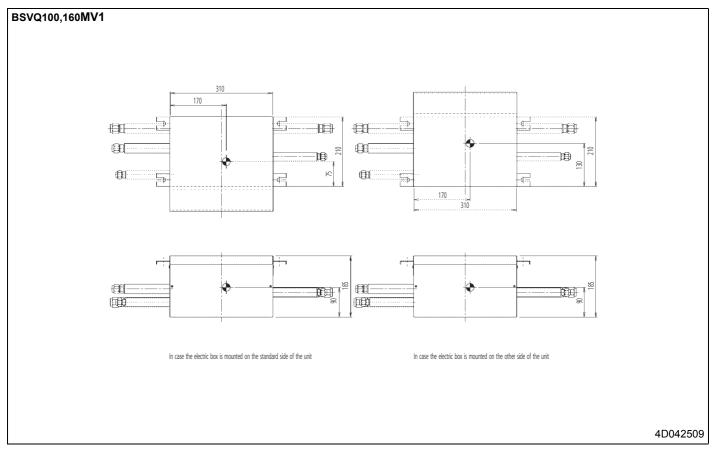
3 - 1 Dimensional drawings

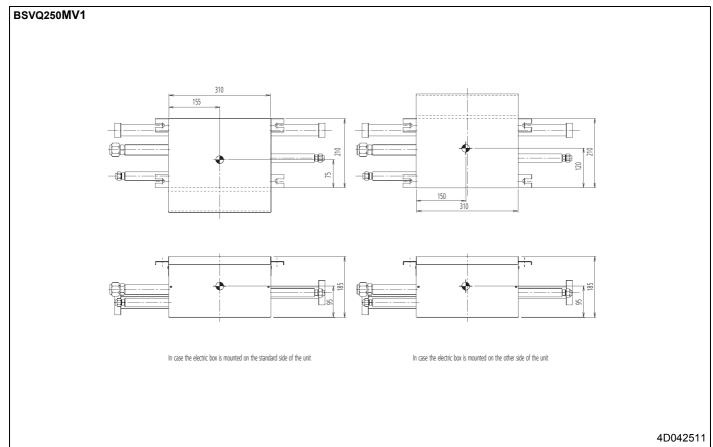




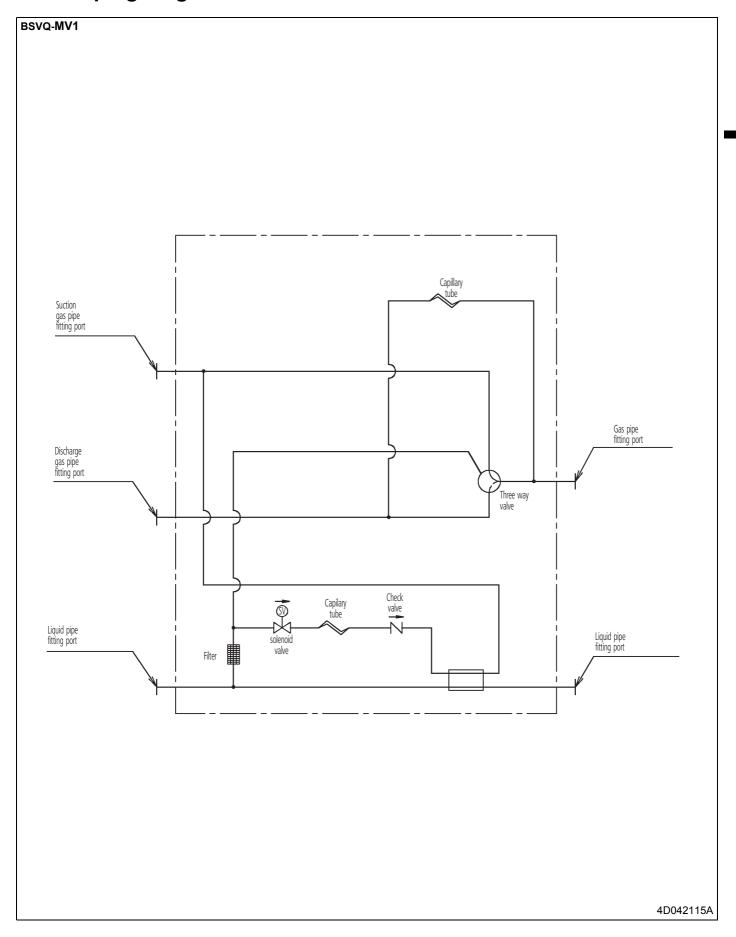
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3 - 2 Centre of gravity



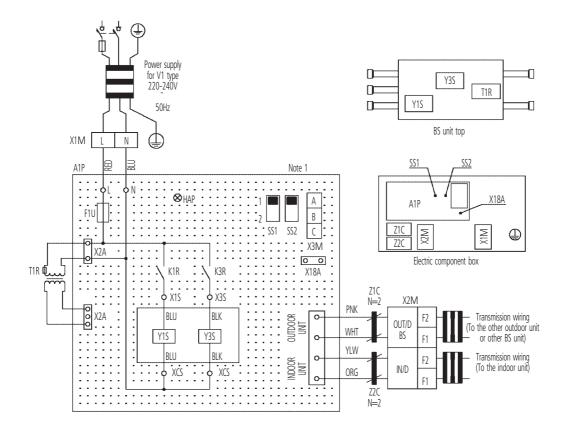


4 Piping diagram



5 Wiring diagram

BSVQ-MV1



L-RED	N-BLUE						
A1P	Printed circuit board	T1R	Transformer (220-240V/20V)	Y3S	4 way valve (Discharge line)		
F1U	Fuse (B, 250V, 5A,)	X1M	Terminal strip (Power)	Connector fo	Connector for optional parts		
HAP	Light emitting diode (Service monitor-	X2M	Terminal strip (Control)	X18A	Conntector (Wiring external control adaptor		
	green)				for outdoor unit)		
K1R, 3R	Magnetic relay	X3M	Terminal strip (C/H Selector)				
SS1, 2	Selector switch (Selection of remote	Y1S	Solenoid valve (Liquid line)	Z1C, 2c	Noise filter (Ferite core)		
	controlller)						

=■■ : Field wiring

: Connector : Wire clamp

: Terminal

COLORS : BLK : Black

ORG : Orange RED : Red WHT : White

BLU : Blue PNK : Pink YLW : Yellow

NOTES

When using the cool/heat selector (optional accessory), connect it to terminals A, band C on X3M (A1P).
In the case, set the selector switch SS1 & SS2 on the A1P according to below



2 As for wiring to the IN/D F1&F2 and OUT/D, BS F1&F2 on X2M, refer to

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VRVII VRV-WII

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Daikin units comply with the European regulations that guarantee the safety of the product.

VRV products are not within the scope of the Eurovent certification programme.

Daikin equipment is designed for comfort applications. For use in other applications, please contact your local Daikin representative.

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