DAIKIN

Air Conditioners

Technical Data

Wall mounted unit

EEDEN12-100

FAQ-C

TABLE OF CONTENTS

FAQ-C

1 Features

- Seasonal efficiency, optimized for all seasons.
- Seasonal efficiency gives an indication on how efficient an air conditioner operates over an entire heating or cooling season.
- Ideal solution for shops, restaurants or offices without false ceilings
- Can be installed in both new and existing buildings
- Flat, stylish front panel blends easily within any interior décor and is more easy to clean
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- 5 different discharge angles can be programmed via the remote control
- Both horizontal flaps and front panel can easily be removed and washed
- Maintenance operations can be performed from the front of the unit
- Automatic fan speed selection: 3 fan speeds can be freely selected
- No optional adapter needed for DIII-connection: standard plug and play connection with centralised control systems, intelligent touch controller, intelligent manager, ...
- Home leave operation maintains the indoor temperature at your specified comfort level during absence, thus saving energy

3 steps

optional

2 Specifications

2-1 Technical Specifications					FAQ71CVEB	FAQ100CVEB
Power input	Cooling	Nom.		kW	0.051	0.061
	Heating	Nom.		kW	0.068	0.061
Casing	Colour				Fresh White	
	Material				Resin	
Dimensions	Unit	Height/Width/Depth		mm	290/1,050/238	340/1,200/240
	Packed unit	Height/Width/Depth		mm	366/1,147/337	429/1,310/325
Weight	Unit			kg	13	17
	Packed unit			kg	19	24
Heat exchanger	Length			mm	863	963
	Rows	Quantity			2	
	Fin pitch			mm	1.2	
	Passes	Quantity			4	6
	Face area			m²	0.279	0.347
	Stages	Quantity			18	20
	Empty tubeplate hole	Quantity			0	
	Fin	Type			Cross fin coil (Multi slit fins and Hi-XB tubes)	
Fan	Type				Cross flow fan	
	Quantity				1	
	Air flow rate	Cooling	High	m³/min	18	26
			Nom.	m³/min	16	23
			Low	m³/min	14	19
		Heating	High	m³/min	18	26
			Nom.	m³/min	16	23
			Low	m³/min	14	19
Fan motor	Model				QCL9663MA	QCL1096M
	Speed	Steps			3	
	Output	High		W	48	64
Sound power level	Cooling	High/Nom./Low		dBA	61/58/56	65/62/58
	Heating	High/Nom./Low		dBA	61/58/56	65/62/58
Sound pressure level	Cooling	High/Nom./Low		dBA	45/42/40	49/45/41
	Heating	Super high/High/Nom./Low		dBA	-/45/42/40	-/49/45/41
Refrigerant	Type				R-410A	
Piping connections	Liquid	Type/OD		mm	Flare connection/9.52	
	Gas	Type/OD		mm	Flare connection/15.9	
	Drain				VP13 (I.D. 13/O.D. 18)	
	Heat insulation				Foamed polystyrene / Foamed polyethylene	

Standard Accessories : Clamps;

Standard Accessories : Screws;

Standard Accessories : Insulation tape;

Standard Accessories : Installation panel;

Standard Accessories : Installation and operation manual; Quantity : 1;

Standard Accessories : Screw cover;

2-2 Electrical Specifications			FAQ71CVEB	FAQ100CVEB
Power supply	Phase		1~	
	Frequency	Hz	50/60	
	Voltage	V	220-240/220	
Current - 60Hz	Nominal running current	A	-	

3 Safety device settings

3 - 1 Safety Device Settings

FAQ71-100C

Safety devices		71	100
FAQ~CVEB	Fuse	–	–
	Fan motor thermal fuse (°C)	–	–
	Fan motor thermal protector (°C)	–	–

DU423-9101M

4 Options

4 - 1 Options

FAQ71-100C

Item	Type		FAQ71CVEB	FAQ100CVEB
Remote controller	Infrared	H/P	BRC7EB518	
		C/O	BRC7EB519	
	Wired		BRC1E52A7, BRC1E51A7,BRC1D528	
Wiring adapter for electrical appendices (2)			*KRP4AA51	
Installation box for adapter PCB.			Note 1 KRP4AA93	
Central remote controller			DCS302CA51	
Electrical box with earth terminal (3 blocks)			KJB311AA	
Unified ON/OFF controller			DCS301BA51	
Electrical box with earth terminal (2 blocks)			KJB212AA	
Noise filter (for electromagnetic interface use only)			KEK26-1A	
Schedule timer			DST301BA51	
Remote sensor			KRCS01-4B	
Drain up kit			K-KDU572EVE	
I-touch controller			DCS601C51	

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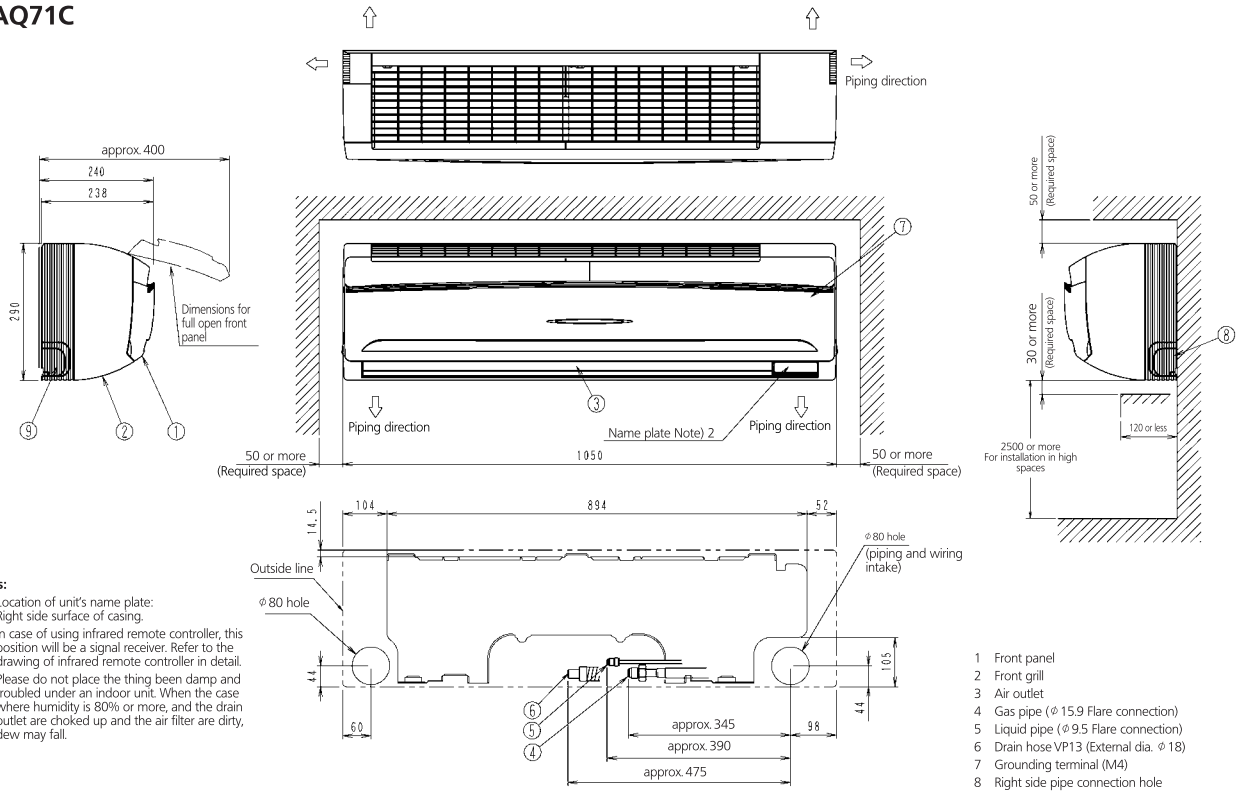
Notes:

1. Installation box (No. 6) is necessary for each adapter marked.*

5 Dimensional drawings

5 - 1 Dimensional Drawings

FAQ71C



Notes:

1 Location of unit's name plate: Right side surface of casing.
2 In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
3 Please do not place the thing been damp and troubled under an indoor unit. When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.

1 Front panel
2 Front grill
3 Air outlet
4 Gas pipe (ϕ 15.9 Flare connection)
5 Liquid pipe (ϕ 9.5 Flare connection)
6 Drain hose VP13 (External dia. ϕ 18)
7 Grounding terminal (M4)
8 Right side pipe connection hole
9 Left side pipe connection hole

Mounting location

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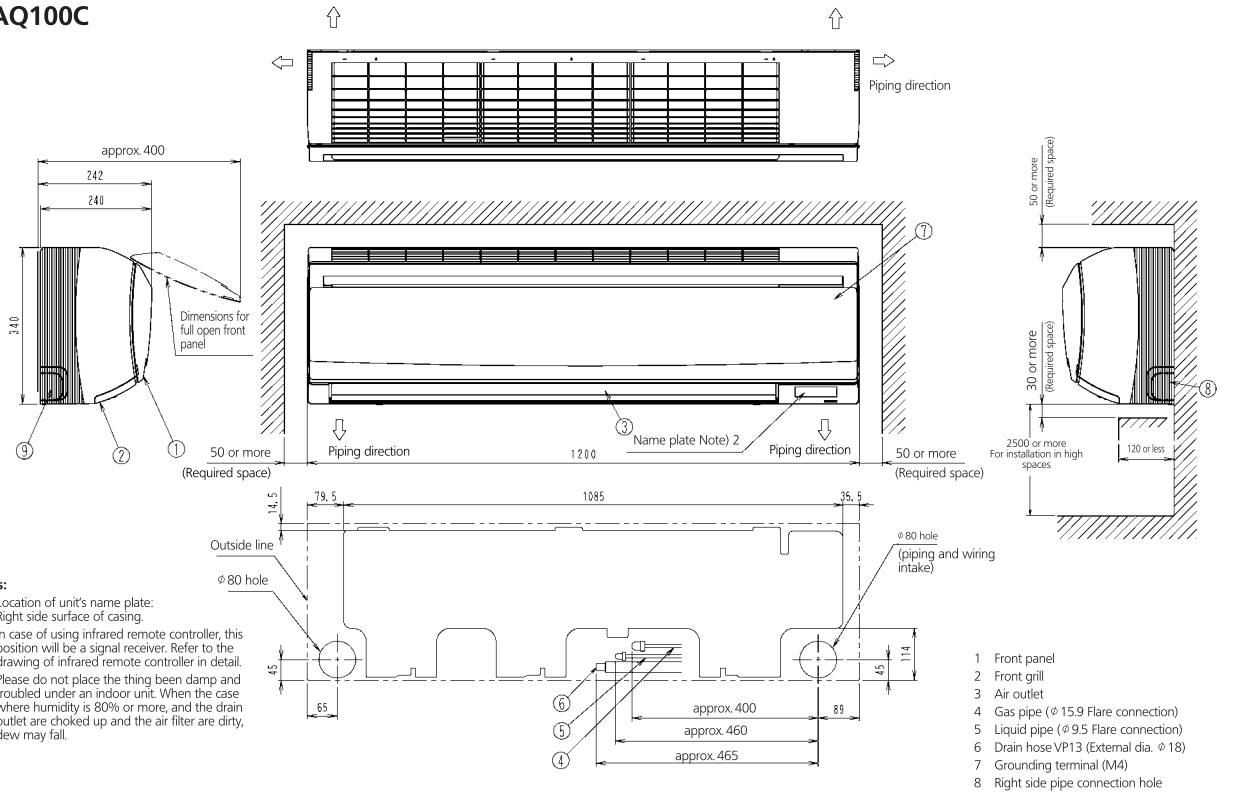
FAQ100C



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Mounting location

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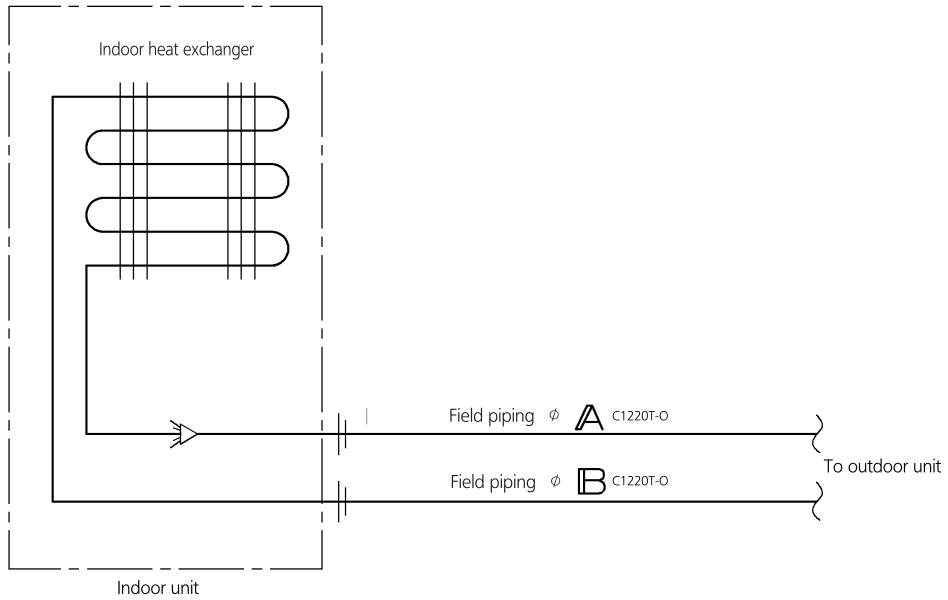
6 Piping diagrams

6 - 1 Piping Diagrams

FAQ-CVEB



Model	A	B
FAQ71, 100CVEB	9.5	15.9

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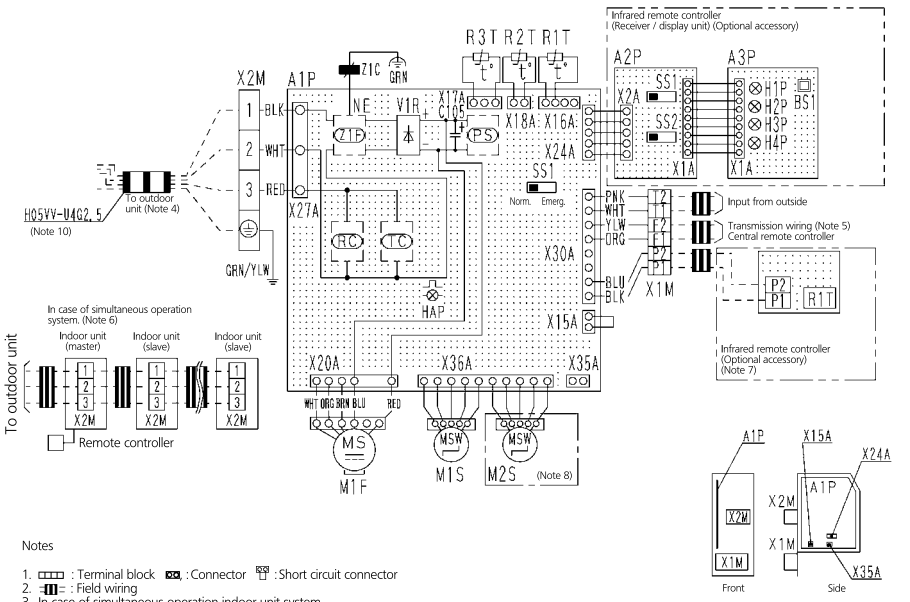
7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FAQ71-100C

Indoor unit	
A1P	Printed circuit board
C105	Capacitor
HAP	Flashing lamp (service monitor-green)
M1F	Motor (indoor fan)
M1S	Motor (swing flap)
M2S	Motor (swing flap)
R1T	Thermistor (air)
R2T-R3T	Thermistor (coil)
SS1	Selector switch (emergency)
V1R	Diode bridge
X1M	Terminal block (Remote controller)
X2M	Terminal block (Transmission wiring)
Z1C	Ferrite core (Noise filter)
(ZTP)	Noise filter
(PS)	Switching power supply
(RC)	Signal receiver circuit
(TC)	Signal transmission circuit
Infrared remote controller (Receiver/display unit)	
A2P	Printed circuit board
A3P	Printed circuit board
BS1	Push button switch (On/Off)
H1P	Pilot lamp (ON-Red)
H2P	Pilot lamp (Timer-Green)
H3P	Pilot lamp (Filter sign-Red)
H4P	Pilot lamp (Defrost-Orange)
SS1	Selector switch (main/sub)
SS2	Selector switch (wireless address set)
Wired remote controller	
R1T	Thermistor (air)
Connector for optional parts	
X15A	Connector (float switch)
X24A	Connector (Infrared remote controller)
X35A	Connector (Power supply for adapter)



Notes

1. ▭▭ : Terminal block ⊠ : Connector ⊤ : Short circuit connector
2. ⊣⊢ : Field wiring
3. In case of simultaneous operation indoor unit system, See the indoor unit wiring only.
4. For the detail, see wiring diagram attached to outdoor unit.
5. In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
6. In case of connection units varies according to the combination system, confirm engineering guide and catalogs, etc, before connecting.
7. In case of main/sub changeover, see the installation manual attached to remote controller.
8. M2S is 100 only.
9. Symbols shows as follows: BLK:Black RED:Red BLU:Blue WHT:White PNK:Pink YLW:Yellow GRY:Gray GRN:Green ORG:Orange BRN:Brown
10. Shows only in case of protected pipes, use HO7RN-F in case of no protection.

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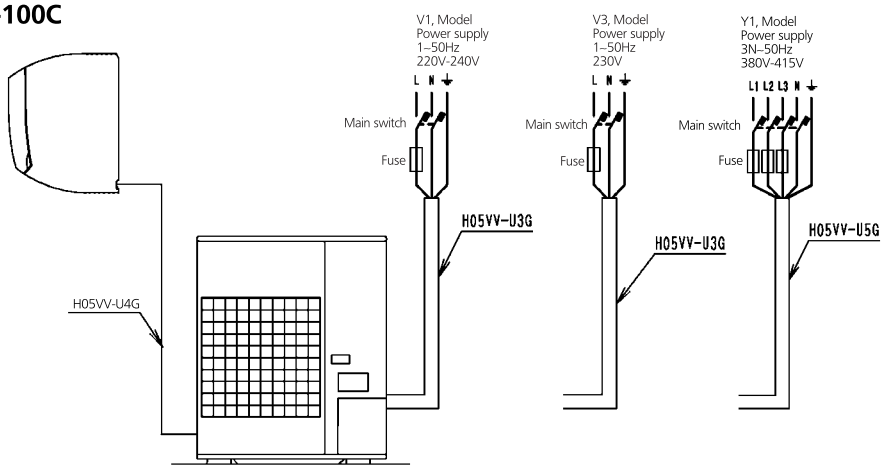
8 External connection diagrams

8 - 1 External Connection Diagrams

FAQ71-100C



NOTES

1 ——— Line voltage wiring
——— Control circuit wiring
2 All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
3 Use copper conductor only.
4 As for details, see wiring diagrams.
5 Install fuse and mainswitch for safety.
6 All field wiring and components must be provided by a licensed electrician.
7 Unit shall be grounded in compliance with the applicable local and national codes.
8 Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
9 Never share a common power source with other equipment.

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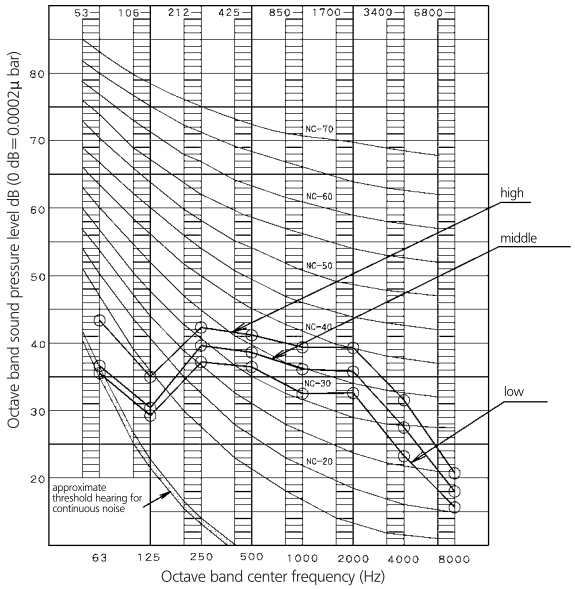
9 Sound data

9 - 1 Sound Pressure Spectrum

FAQ71C



NOTES

1 Overall (dB)

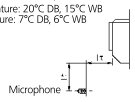
Scale	230V		
	high	middle	low
A	45	42	40
C	48	45	43

(B,G,N is already rectified)

Power level (dB)

230V		
high	middle	low
61	58	56

2 Measuring place: Anechoic chamber
3 Operation noise differs with operation and ambient conditions.
4 Operating conditions: Power source: 230V 50Hz
5 Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
6 Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
230V
7 Location of microphone



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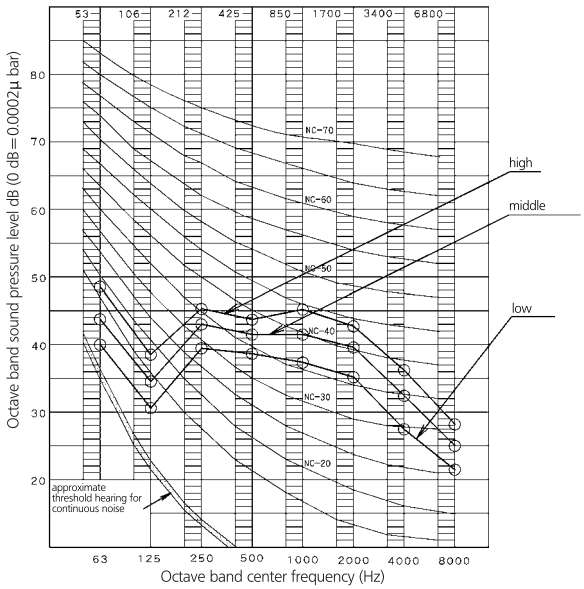

NOTES

1 Overall (dB)

Scale	230V		
	high	middle	low
A	49	45	41
C	52.5	48	44.5

(B,G,N is already rectified)

Power level (dB)

230V		
high	middle	low
65	62	58

2 Measuring place: Anechoic chamber
3 Operation noise differs with operation and ambient conditions.
4 Operating conditions: Power source: 230V 50Hz
5 Cooling: Return air temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB
6 Heating: Return air temperature: 20°C DB, 15°C WB
Outdoor temperature: 7°C DB, 6°C WB
230V
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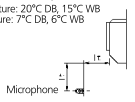

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Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU), Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com"

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