

FXFQ-AVM

Ceiling Mounted Cassette

(Round Flow) Type

60 Hz

1. Lineup.....	2
2. Specifications	3
3. Dimensions.....	8
3.1 Standard Panel	8
3.2 Designer Panel	11
3.3 Auto Grille Panel	14
4. Piping Diagrams	17
5. Wiring Diagrams.....	18
6. Electric Characteristics	19
7. Safety Devices Setting	20
8. Capacity Tables.....	21
8.1 Cooling Capacity for Te: Auto	21
8.2 Cooling Capacity for Te: 6°C	21
8.3 Heating Capacity.....	22
9. Sound Levels.....	23
10. Centre of Gravity	27

1. Lineup

Capacity range	2.8 kW	3.6 kW	4.5 kW	5.6 kW	7.1 kW	9.0 kW	11.2 kW	14.0 kW	16.0 kW
	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3.2 HP	4 HP	5 HP	6 HP
Capacity index	25	31.25	40	50	62.5	80	100	125	140
FXFQ	25AVM	32AVM	40AVM	50AVM	63AVM	80AVM	100AVM	125AVM	140AVM

VM: 1 phase, 220-240/220-230 V, 50/60 Hz



2. Specifications

Model				FXFQ25AVM		FXFQ32AVM	
Power supply				1 phase, 220-240/220-230 V, 50/60 Hz		1 phase, 220-240/220-230 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	2,400		3,100	
			Btu/h	9,600		12,300	
			kW	2.8		3.6	
★2 ★3 Heating capacity			kcal/h	2,800		3,400	
			Btu/h	10,900		13,600	
			kW	3.2		4.0	
Power input	Cooling	50 Hz	kW	0.029		0.029	
		60 Hz	kW	0.029		0.029	
	Heating	50 Hz	kW	0.027		0.027	
		60 Hz	kW	0.027		0.027	
Casing / Colour				Galvanised steel plate		Galvanised steel plate	
Dimensions: (H×W×D)			mm	256×840×840		256×840×840	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	2×8×1.2 (φ5)		2×8×1.2 (φ5)	
	Face area		m²	0.244		0.244	
Fan	Model			QTS48G15M		QTS48G15M	
	Type			Turbo fan		Turbo fan	
	Motor output × Number of units		W	53×1		53×1	
	Airflow rate (H/HM/M/ML/L)	m³/min	13/12.5/11.5/11/10		13/12.5/11.5/11/10		
		l/s	217/208/192/183/167		217/208/192/183/167		
		cfm	459/441/406/388/353		459/441/406/388/353		
Drive			Direct drive		Direct drive		
Temperature control				Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Polyurethane form		Polyurethane form	
Piping connections	Liquid pipes		mm	φ6.4		φ6.4	
	Gas pipes		mm	φ12.7		φ12.7	
	Drain pipe		mm	φ26 (hole)		φ26 (hole)	
Mass			kg	19		19	
★4 Sound pressure level (H/HM/M/ML/L)			dB(A)	30.0/29.5/28.5/28.0/27.0		30.0/29.5/28.5/28.0/27.0	
Safety devices				Fuse		Fuse	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Decoration panel (option)	Model			BYCQ125EAF		BYCQ125EAF	
	Colour			Fresh white		Fresh white	
	Dimensions: (H×W×D)		mm	50×950×950		50×950×950	
	Air filter			Resin net (with mould resistance)		Resin net (with mould resistance)	
	Mass		kg	5.5		5.5	
Standard accessories				Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide		Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide	
Drawing No.	Specification			C: 3D112951B		C: 3D112951B	
	Sound level			C: 4D112880A		C: 4D112880A	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★4. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

kcal/h=kW×860
 Btu/h=kW×3412
 cfm=m³/min×35.3
 l/s=m³/min×1000/60

Model				FXFQ40AVM		FXFQ50AVM	
Power supply				1 phase, 220-240/220-230 V, 50/60 Hz		1 phase, 220-240/220-230 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	3,900		4,800	
			Btu/h	15,400		19,100	
			kW	4.5		5.6	
★2 ★3 Heating capacity			kcal/h	4,300		5,400	
			Btu/h	17,100		21,500	
			kW	5.0		6.3	
Power input	Cooling	50 Hz	kW	0.036		0.040	
		60 Hz	kW	0.036		0.040	
	Heating	50 Hz	kW	0.036		0.040	
		60 Hz	kW	0.036		0.040	
Casing / Colour				Galvanised steel plate		Galvanised steel plate	
Dimensions: (H×W×D)			mm	256×840×840		256×840×840	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	2×8×1.2 (φ5)		2×8×1.2 (φ5)	
	Face area		m ²	0.244		0.244	
Fan	Model			QTS48G15M		QTS48G15M	
	Type			Turbo fan		Turbo fan	
	Motor output × Number of units		W	53×1		53×1	
	Airflow rate (H/HM/M/ML/L)		m ³ /min	17/13.5/13/12/11		18/17/13.5/12.5/11	
			l/s	283/225/217/200/183		300/283/225/208/183	
			cfm	600/477/459/424/388		635/600/477/441/388	
Drive			Direct drive		Direct drive		
Temperature control				Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Polyurethane form		Polyurethane form	
Piping connections	Liquid pipes		mm	φ6.4		φ6.4	
	Gas pipes		mm	φ12.7		φ12.7	
	Drain pipe		mm	φ26 (hole)		φ26 (hole)	
Mass			kg	19		19	
★4 Sound pressure level (H/HM/M/ML/L)			dB(A)	35.0/29.5/29.0/28.0/27.0		35.0/33.5/29.5/28.5/27.0	
Safety devices				Fuse		Fuse	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Decoration panel (option)	Model			BYCQ125EAF		BYCQ125EAF	
	Colour			Fresh white		Fresh white	
	Dimensions: (H×W×D)		mm	50×950×950		50×950×950	
	Air filter			Resin net (with mould resistance)		Resin net (with mould resistance)	
	Mass		kg	5.5		5.5	
Standard accessories				Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide		Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide	
Drawing No.	Specification			C: 3D112951B		C: 3D112951B	
	Sound level			C: 4D112874A		C: 4D112902A	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★4. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

kcal/h=kW×860
 Btu/h=kW×3412
 cfm=m³/min×35.3
 l/s=m³/min×1000/60

Model				FXFQ63AVM		FXFQ80AVM	
Power supply				1 phase, 220-240/220-230 V, 50/60 Hz		1 phase, 220-240/220-230 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	6,100		7,700	
			Btu/h	24,200		30,700	
			kW	7.1		9.0	
★2 ★3 Heating capacity			kcal/h	6,900		8,600	
			Btu/h	27,300		34,100	
			kW	8.0		10.0	
Power input	Cooling	50 Hz	kW	0.063		0.096	
		60 Hz	kW	0.063		0.096	
	Heating	50 Hz	kW	0.063		0.096	
		60 Hz	kW	0.063		0.096	
Casing / Colour				Galvanised steel plate		Galvanised steel plate	
Dimensions: (H×W×D)			mm	256×840×840		256×840×840	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	2×10×1.2 (φ7)		2×10×1.2 (φ7)	
	Face area		m ²	0.446		0.446	
Fan	Model			QTS48G15M		QTS48G15M	
	Type			Turbo fan		Turbo fan	
	Motor output × Number of units		W	53×1		53×1	
	Airflow rate (H/HM/M/ML/L)		m ³ /min	21/20/16/15/13.5		22.5/21.5/21/20/15	
			l/s	350/333/267/250/225		375/358/350/333/250	
			cfm	741/706/565/530/477		794/759/741/706/530	
Drive			Direct drive		Direct drive		
Temperature control				Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Polyurethane form		Polyurethane form	
Piping connections	Liquid pipes		mm	φ9.5		φ9.5	
	Gas pipes		mm	φ15.9		φ15.9	
	Drain pipe		mm	φ26 (hole)		φ26 (hole)	
Mass			kg	22		22	
★4 Sound pressure level (H/HM/M/ML/L)			dB(A)	36.0/35.5/31.5/31.0/28.0		37.0/36.5/36.0/35.5/29.5	
Safety devices				Fuse		Fuse	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Decoration panel (option)	Model			BYCQ125EAF		BYCQ125EAF	
	Colour			Fresh white		Fresh white	
	Dimensions: (H×W×D)		mm	50×950×950		50×950×950	
	Air filter			Resin net (with mould resistance)		Resin net (with mould resistance)	
	Mass		kg	5.5		5.5	
Standard accessories				Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide		Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide	
Drawing No.	Specification			C: 3D112951B		C: 3D112951B	
	Sound level			C: 4D112877B		C: 4D112876B	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★4. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

kcal/h=kW×860
 Btu/h=kW×3412
 cfm=m³/min×35.3
 l/s=m³/min×1000/60

Model				FXFQ100AVM	FXFQ125AVM
Power supply				1 phase, 220-240/220-230 V, 50/60 Hz	1 phase, 220-240/220-230 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	9,600	12,000
			Btu/h	38,200	47,800
			kW	11.2	14.0
★2 ★3 Heating capacity			kcal/h	10,800	12,000
			Btu/h	42,700	47,800
			kW	12.5	14.0
Power input	Cooling	50 Hz	kW	0.158	0.178
		60 Hz	kW	0.158	0.178
	Heating	50 Hz	kW	0.150	0.166
		60 Hz	kW	0.150	0.166
Casing / Colour				Galvanised steel plate	Galvanised steel plate
Dimensions: (H×W×D)			mm	298×840×840	298×840×840
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	2×12×1.2 (φ7)	2×12×1.2 (φ7)
	Face area		m²	0.535	0.535
Fan	Model			QTS48G15M	QTS48G15M
	Type			Turbo fan	Turbo fan
	Motor output × Number of units		W	106×1	106×1
	Airflow rate (H/HM/M/ML/L)		m³/min	32/29/26/23/21	33/30.5/28/25.5/21
			l/s	533/483/433/383/350	550/508/467/425/350
			cfm	1,130/1,024/918/812/741	1,165/1,077/988/900/741
	Drive			Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material			Polyurethane form	Polyurethane form	
Piping connections	Liquid pipes		mm	φ9.5	φ9.5
	Gas pipes		mm	φ15.9	φ15.9
	Drain pipe		mm	φ26 (hole)	φ26 (hole)
Mass			kg	25	25
★4 Sound pressure level (H/HM/M/ML/L)			dB(A)	43.0/40.5/37.5/35.0/33.0	44.0/41.5/39.0/36.5/33.0
Safety devices				Fuse	Fuse
Refrigerant control				Electronic expansion valve	Electronic expansion valve
Decoration panel (option)	Model			BYCQ125EAF	BYCQ125EAF
	Colour			Fresh white	Fresh white
	Dimensions: (H×W×D)		mm	50×950×950	50×950×950
	Air filter			Resin net (with mould resistance)	Resin net (with mould resistance)
	Mass		kg	5.5	5.5
Standard accessories			Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide		Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide
Drawing No.	Specification			C: 3D112951B	C: 3D112951B
	Sound level			C: 4D112881A	C: 4D112872B

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★4. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

kcal/h=kW×860
 Btu/h=kW×3412
 cfm=m³/min×35.3
 l/s=m³/min×1000/60

Model				FXFQ140AVM	
Power supply				1 phase, 220-240/220-230 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	13,800	
			Btu/h	54,600	
			kW	16.0	
★2 ★3 Heating capacity			kcal/h	13,800	
			Btu/h	54,600	
			kW	16.0	
Power input	Cooling	50 Hz	kW	0.203	
		60 Hz	kW	0.203	
	Heating	50 Hz	kW	0.191	
		60 Hz	kW	0.191	
Casing / Colour				Galvanised steel plate	
Dimensions: (H×W×D)			mm	298×840×840	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×18×1.2 (φ5)	
	Face area		m ²	0.550	
Fan	Model		QTS48G15M		
	Type		Turbo fan		
	Motor output × Number of units		W	106×1	
	Airflow rate (H/HM/M/ML/L)		m ³ /min	35.5/32.5/29.5/26.5/23	
			l/s	592/542/492/442/383	
			cfm	1,253/1,147/1,041/935/812	
Drive		Direct drive			
Temperature control				Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Polyurethane form	
Piping connections	Liquid pipes		mm	φ9.5	
	Gas pipes		mm	φ15.9	
	Drain pipe		mm	φ26 (hole)	
Mass			kg	26	
★4 Sound pressure level (H/HM/M/ML/L)			dB(A)	46.0/43.5/40.5/38.0/35.0	
Safety devices				Fuse	
Refrigerant control				Electronic expansion valve	
Decoration panel (option)	Model		BYCQ125EAF		
	Colour		Fresh white		
	Dimensions: (H×W×D)		mm	50×950×950	
	Air filter		Resin net (with mould resistance)		
	Mass		kg	5.5	
Standard accessories				Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide	
Drawing No.	Specification			C: 3D112951B	
	Sound level			C: 4D509731A	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / equivalent piping length: 7.5 m, level difference: 0 m.
- ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★4. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

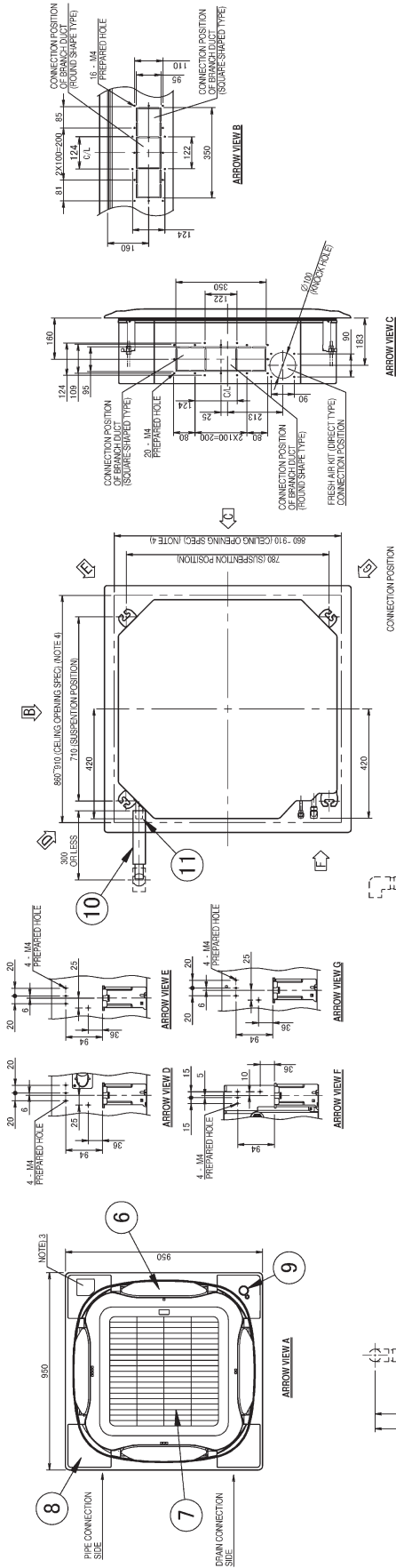
kcal/h=kW×860
 Btu/h=kW×3412
 cfm=m³/min×35.3
 l/s=m³/min×1000/60

3. Dimensions

3.1 Standard Panel

FXFQ25AVM / FXFQ32AVM / FXFQ40AVM / FXFQ50AVM

Unit: mm

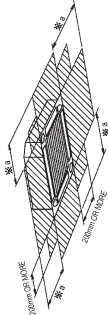


• DECORATION PANAL

BRQ02SEEF	SENSING PANEL (FRESH WHITE)
BRQ02SEBK	SENSING PANEL (BLACK)

Note: Option decoration panel has 2 types which external color are different. It can be chosen one of above 2 types depend on your specify.

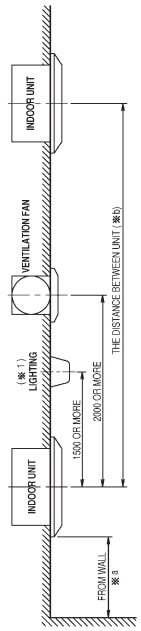
• INSTALLATION SPACE



* The necessary space is 500 mm or more when the air-outlet is blocked with the accessory.
* The necessary space is 200 mm or more when the air-outlet is not blocked (both right and left of the blocked air outlet).
* When the air-outlet is close to the wall surface (both side of the air-outlet), the recommend space is 2000 mm or more.

ITEM	PART NAME	REMARK
11	DRAIN HOSE CONNECTION PORT	VP29 (OD:25)
10	DRAIN HOSE (ACCESSORY)	LOCAL CONNECTION: OD:16.84 FOR THM (ONLY) OUTLET: 16.84mm (1/2")
9	SENSOR	HUMAN DETECT FLOOR TEMP SENSOR
8	CORNER DECORATION COVER	
7	SUCTION GRILLE	
6	AIR OUTLET	
5	CONNECTION WIRING / REMOTE CONTROL WIRING CONNECTION	
4	POWER SOURCE WIRING AND A UNIT WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	VP25 (OD:22, 1/4") FOR THM (ONLY)
2	GAS PIPE CONNECTION	OD:12.7 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	OD:9.4 (FLARE CONNECTION)

6 Please do not place the light, heat, damp and installed under air indoor unit, when the case where humidity is 80% or more, and the drain outlet are closed up and the air filter are dirty, dew may fall.
7 If put vent hole, lighting, equipment near the air flow disturb equipment, ceiling surface may get dirty, therefore shall install following to diagram as below.



8 For fixing position of human detection and temp sensor will be follow to diagram instruction (can not change position).

Model	FXFQ25-50
Valid	1500-5000
Calculation	5000 or more
at low	1500 or more
Invalid	4000 or more

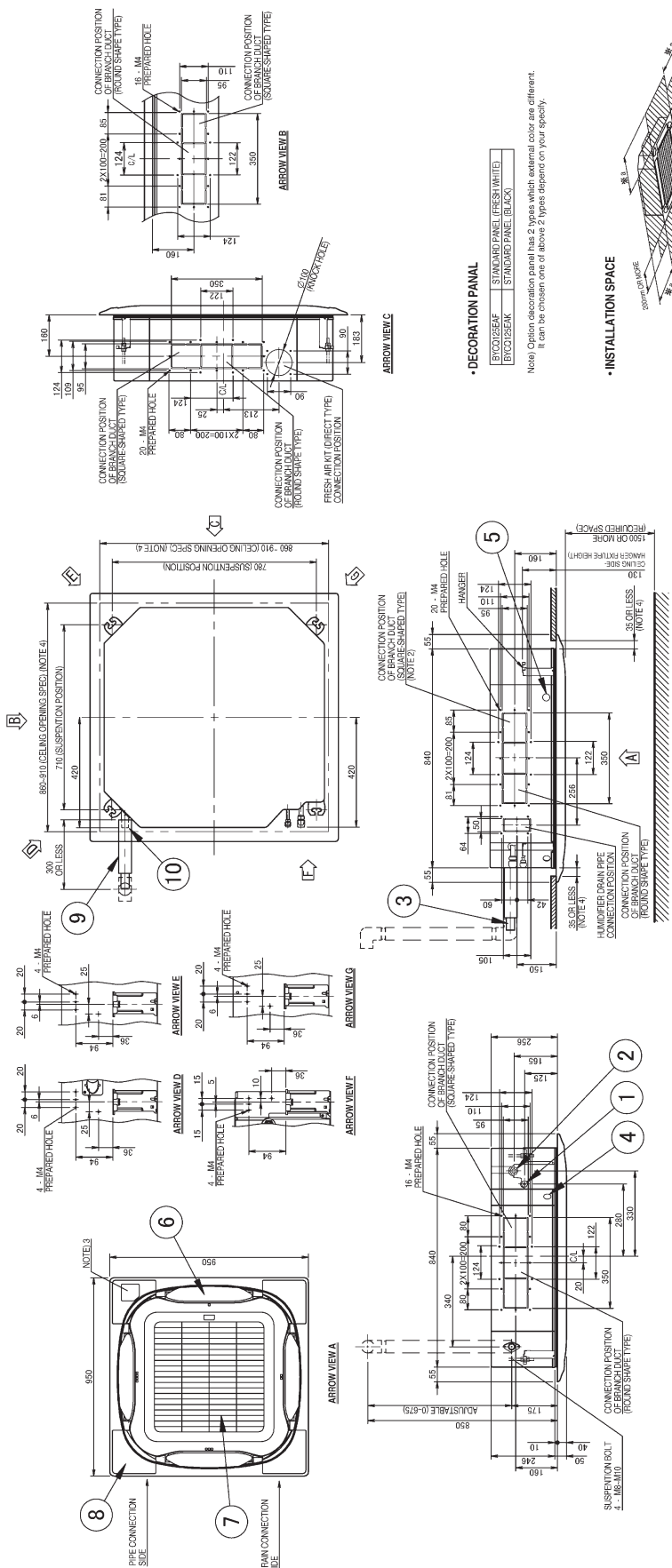
(※ 1) Lighting is targeted for exposed type (inverse fuji-shape etc.) for embed type (type for ceiling surface), there is no restriction.

NOTE

1. Sticking location for Manufacturer's label
Manufacturer's label for indoor unit
Manufacturer's label for Decoration panel's corner decoration cover indoor surface.
2. In case of having option part built-in, please refer outside drawing of option part.
Fresh air intake kit.....Need
Natural evaporate type humidifier.....Need
High efficiency filter unit.....Need
Branch dust chamber.....No Need
(both angle duct.....Gross duct)
3. In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail.
4. Though the installation is acceptable up to maximum of 910 mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.
5. When the temperature and humidity in the ceiling exceed 30°C and 80% RH, the ceiling surface may be damaged by the long-term continuous 24-hour operation. In addition, insulation (thickness 10mm or more of glasswool or polyethylene foam) is required.

FXFQ63AVM / FXFQ80AVM

Unit: mm

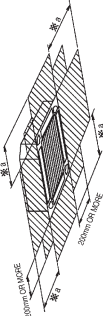


• DECORATION PANEL

BYCOLOR	STANDARD PANEL (FRESH WHITE)
BYCOLOR	STANDARD PANEL (BLACK)

Note) Option decoration panel has 2 types which external color are different.
It can be chosen one of above 2 types depend on your specify.

• INSTALLATION SPACE

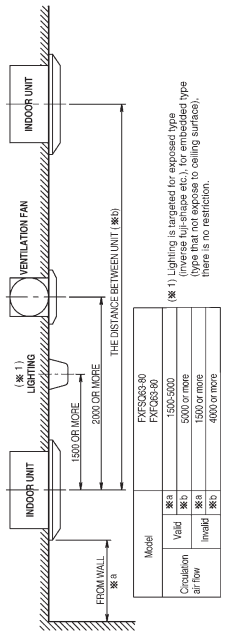


※ The necessary space is 500 mm or more when the air-outlet is blocked with the accessory.
Moreover when the corner areas are blocked (both right and left of the blocked air outlet),
the necessary space is 200 mm or more.
※ The necessary space is 200 mm or more to the wall surface (both side of the air outlet), the recommend
space is 2000 mm or more.

ITEM	PART NAME	REMARK
10	DRAIN HOSE CONNECTION PORT	VP25 (OD Ø25)
9	DRAIN HOSE (ACCESSORY)	LOCAL CONNECTION (OD Ø25) FOR THAI ONLY (OUTLET UNIT CONNECTIONS ARE)
8	CORNER DECORATION COVER	
7	4-M4 SCREW	
6	4-M4 SCREW	
5	REMOTE CONTROL WIRING CONNECTION	
4	POWER SOURCE WIRING	
3	DRAIN PIPE CONNECTION	VP25 (OD Ø25) FOR THAI ONLY (OD Ø25) FOR THAI ONLY
2	GAS PIPE CONNECTION	Ø15.9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	Ø9.5 (FLARE CONNECTION)

6 Please do not place the thing being damp and troubled under an indoor unit, when the case where humidity is 80% or more,
and the drain outlet are blocked up and the air filter are dirty, dew may fall.

7 If put vent hole, lighting, equipment near the air flow dislurb equipment, ceiling surface may get dirty, therefore shall install following
to diagram as below.



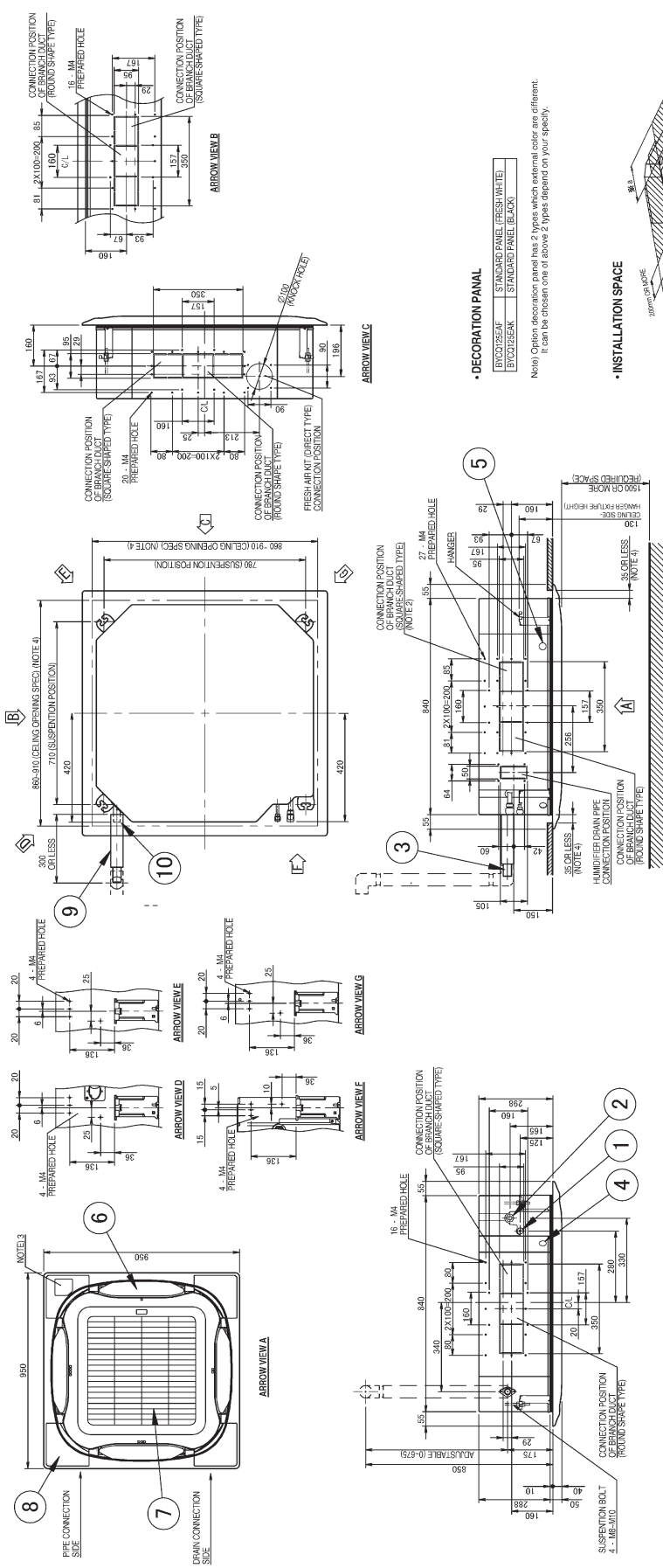
NOTE

1. Sticking location for Manufacturer's label
Manufacturer's label for Indoor unit : Suction grille inner side's electric
Manufacturer's label for Decoration panel : Decoration panel's corner decoration
cover inner surface.
2. In case of having option part built-in, please refer outside drawing of option part.
Fresh air intake kit : Inspection hole : Need
Natural exhauster type hum idler : Inspection hole : Need
High efficiency filter unit : Inspection hole : No Need
Branch duct chamber : Inspection hole : No Need
(both angle duct - duct duct)
3. In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail.
4. Though the installation is acceptable up to maximum of 910 mm square ceiling
opening, keep the clearance of 35mm or less between the indoor unit and
the ceiling opening so that the panel overlap allowance can be ensured.
5. When the temperature and humidity in the ceiling exceed 30°C and 80% RH
or the room air is introduced into the ceiling or the unit continues 24 hour
(thickness 10mm or more of glasswool
or polyethylene foam) is required.

3D112983B

FXFQ100AVM / FXFQ125AVM / FXFQ140AVM

Unit: mm



NOTE

1. Sliding location for Manufacturer's label
Manufacturer's label for indoor unit
Manufacturer's label for Decoration panel
Manufacturer's label for inner surface

2. In case of having other part built-in, please refer outside drawing of other part.
Fresh air intake kit..... inspection hole
Natural evaporate type humidifier..... inspection hole
Air purifier unit..... inspection hole
Branch duct chamber..... inspection hole
Branch duct (both angle duct - circle duct)
Refer to the drawing of wireless remote controller in detail.

3. In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail.

4. Though the installation is acceptable up to maximum of 910 mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.

5. When the temperature and humidity in the ceiling exceed 30°C and 80% RH or the fresh air is induced into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polystyrene foam) is required.

6. 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.

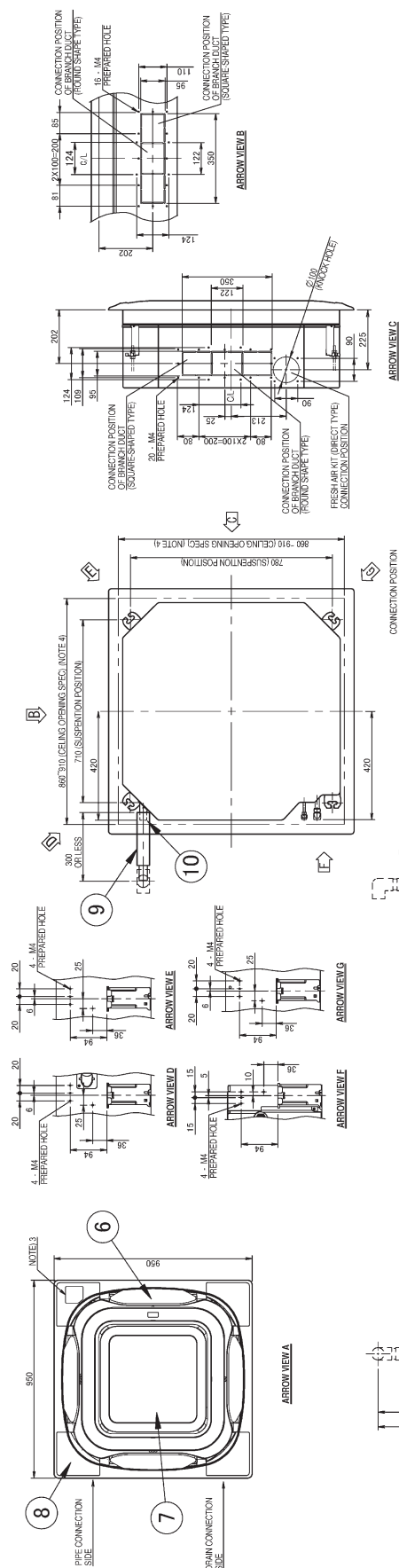
7. If put vent hole, lighting, equipment near the air flow disturb equipment, ceiling surface may get dirty, therefore shall install following to diagram as below.

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FXFQ100-A14
FXFQ100-A15
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FXFQ100-A797
FXFQ100-A798
FXFQ100-A799
FXFQ100-A800
FXFQ100-A801
FXFQ100-A802
FXFQ100-A803
FXFQ100-A804
FXFQ100-A805
FXFQ100-A806
FXFQ100-A807
FXFQ100-A808
FXFQ100-A809
FXFQ100-A810
FXFQ100-A811
FXFQ100-A812
FXFQ100-A813
FXFQ100-A814
FXFQ100-A815
FXFQ100-A816
FXFQ100-A817
FXFQ100-A818
FXFQ100-A819
FXFQ100-A820
FXFQ100-A821
FXFQ100-A822
FXFQ100-A823
FXFQ100-A824
FXFQ100-A825
FXFQ100-A826
FXFQ100-A827
FXFQ100-A828
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FXFQ100-A965
FXFQ100-A966
FXFQ100-A967
FXFQ100-A968
FXFQ100-A969
FXFQ100-A970
FXFQ100-A971
FXFQ100-A972
FXFQ100-A973
FXFQ100-A974
FXFQ

3.2 Designer Panel

FXFQ25AVM / FXFQ32AVM / FXFQ40AVM / FXFQ50AVM

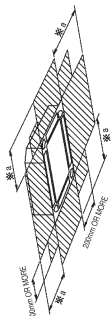
Unit: mm



DECORATION PANAL

BYCQ125EAPF	DESIGNER PANEL
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• INSTALLATION SPACE

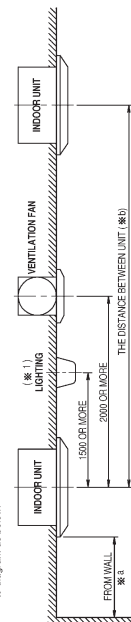


※ - When the air-outlet is close to the wall surface (both side of the air-outlet), the recommend space is 2000 mm or more

10	DRAIN HOSE CONNECTION PUPP	P250 (OC 0255)
9	DRAIN HOSE (ACCESSORY)	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)
8	CORNER DECONTAMINATION COVER	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)
7	SUCTION GRILLE	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)
6	AIR OUTLET	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)
5	CONNECTION WIRING	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)
4	REMOTE CONTROL WIRING CONNECTION	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)
3	REMOTE CONTROL WIRING CONNECTION	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)
2	DRAIN PIPE CONNECTION	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)
1	LIQUID PIPE CONNECTION	P250 (OC 0255, 0.4 for 1/4" ONLY) P250 (OC 0255, 0.4 for 1/2" ONLY) P250 (OC 0255, 0.4 for 3/4" ONLY)

※ 1) Lighting is targeted for exposed type (inverse full-expose etc.), for embedded type (type that not expose to ceiling surface), there is no restriction

Model	(案 2)	FXFSQ25-50、FXFQ25-50
Circulation air flow	案 a	1500~5000
	案 b	5000 or more
	案 a	1500 or more
	Invalid	



8. 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.

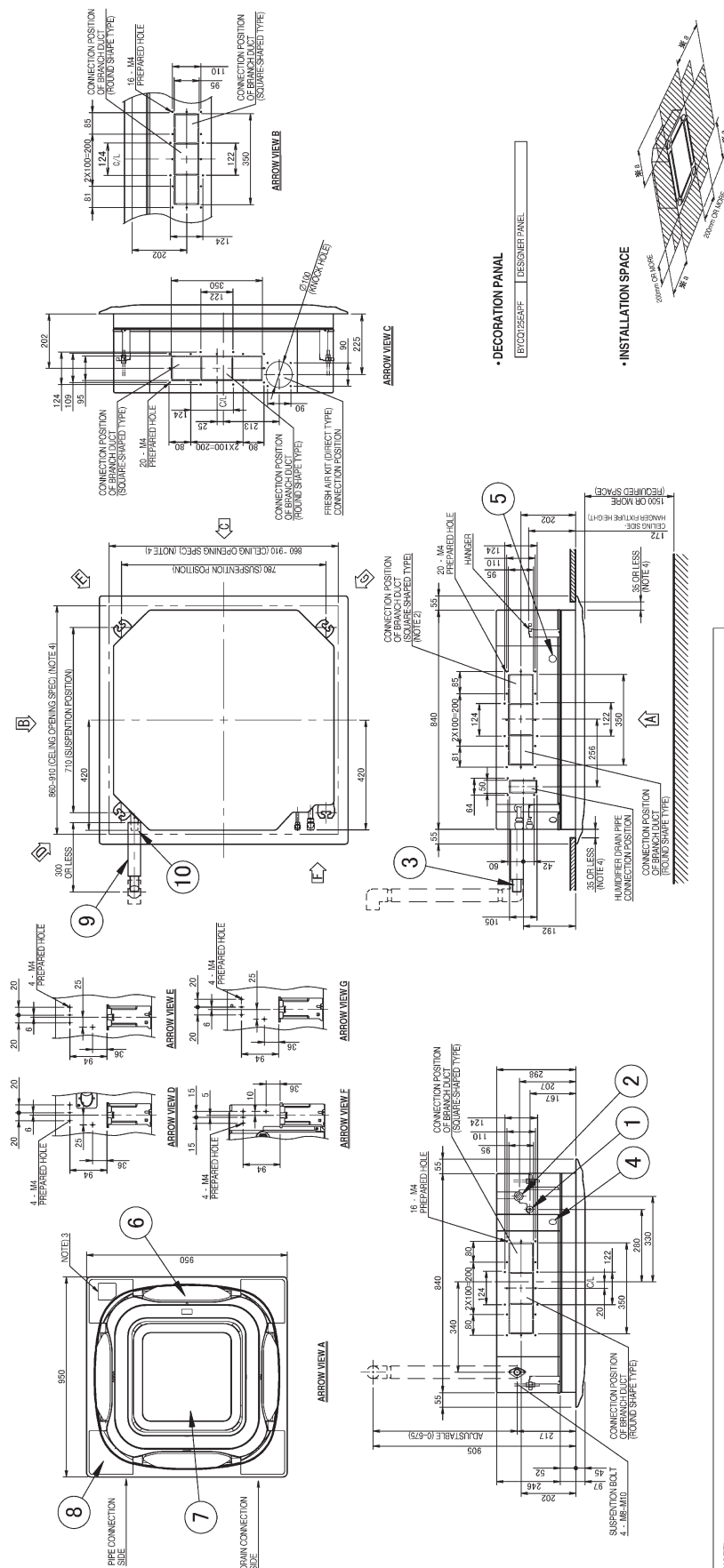
7. If put vent hole, lighting, equipment near the air flow disturb equipment, ceiling surface may get dirty, therefore shall install following to diagram as below.

(NOTE)

5. When the temperature and humidity in the ceiling exceed 30°C and 80% RH of the hole is included in the ceiling of this room, the ceiling must be removed and replaced with a ceiling of the same form or material (polyethylene film) is required.

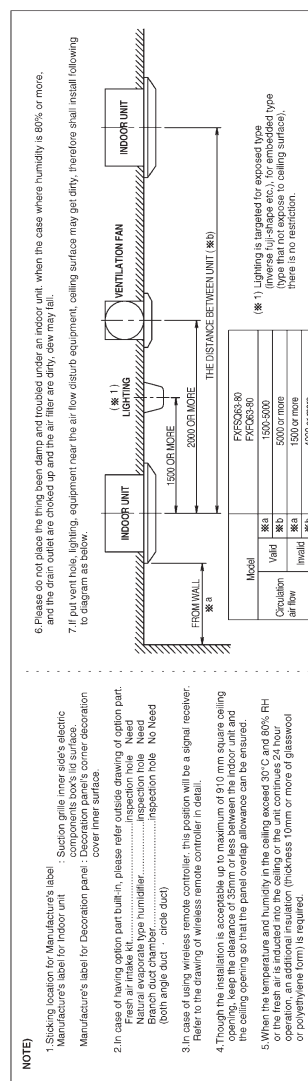
FXFQ63AVM / FXFQ80AVM

Unit: mm



✱ - When the air-outlet is close to the wall surface (both side of the air-outlet), the recommend space is 2000 mm or more.

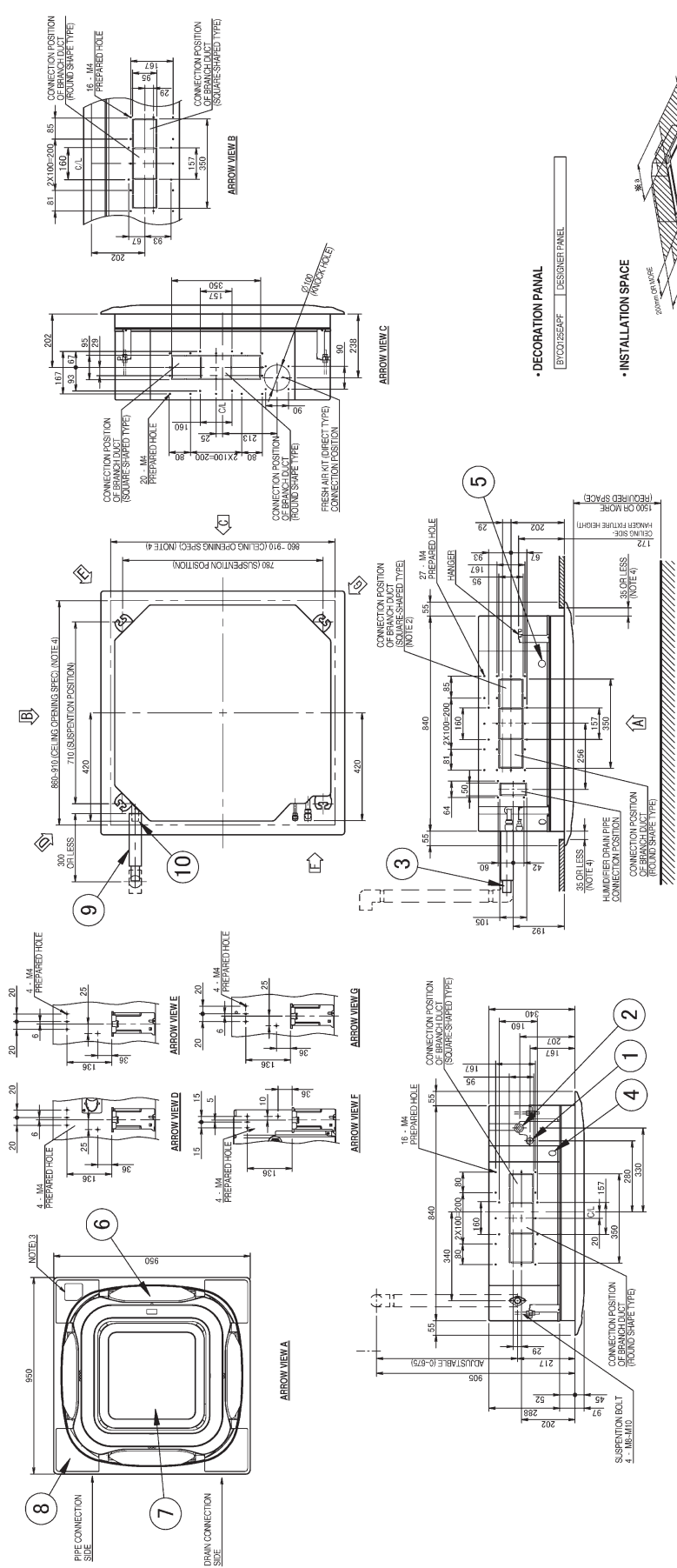
10	DRAIN HOSE CONNECTION PORT	VP25 (QD 0268)
9	DRAIN HOSE (ACCESSORY)	VP25 (QD 0268) (4' FOR TANK ONLY) (5' FOR TANK CONNECTION)
8	CORNER DECORATION COVER	
7	SUCTION GRILLE	
6	AIR OUTLET	
5	CONNECTION WIRING	
4	POWER SOURCE WIRING AND A UNIT WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	VP25 (QD 0324 (4' FOR TANK ONLY))
2	GAS PIPE CONNECTION	Q 0.9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	Q 0.5 (FLARE CONNECTION)



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FXFQ100AVM / FXFQ125AVM / FXFQ140AVM

Unit: mm



NOTE

1. Specify location for Manufacturer's label
Manufacturer's label for indoor unit :
Manufacturer's label for Decoration panel :
component box's lid surface.
cover inner surface.

2. In case of having option part built-in, please refer outside drawing of option part.
Natural separate type humidifier :
Natural separate type humidifier :
Branch duct chamber :
(both angle duct : circle duct)
No Need
No Need
No Need

3. In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail.

4. Though the installation is acceptable up to maximum of 810 mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.

5. When the temperature and humidity in the ceiling exceed 30°C and 80% RH or the fresh air is introduced into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polystyrene foam) is required.

6. 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 blocked up and the air filter are dirty, dew may fall.

7. If put vent hole, lighting, equipment near the air flow disturb equipment, ceiling surface may get dirty, therefore shall install following to diagram as below.

INDOOR UNIT

VENTILATION FAN

INDOOR UNIT

THE DISTANCE BETWEEN UNIT (※8)

FROM WALL

※a

※b

※c

※d

※e

※f

※g

※h

※i

※j

※k

※l

※m

※n

※o

※p

※q

※r

※s

※t

※u

※v

※w

※x

※y

※z

Model	FXFQ100-140	FXFQ100-140
Valid	※a	※b
Circulation	※c	※d
air flow	※e	※f
	※g	※h
	※i	※j
	※k	※l
	※m	※n
	※o	※p
	※q	※r
	※s	※t
	※u	※v
	※w	※x
	※y	※z

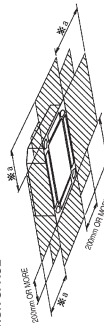
※1) Lighting is targeted for exposed type (inverse hui-shape etc.), for embedded type (type that not expose to ceiling surface), there is no restriction.

ITEM	PART NAME	REMARK
10	DRAIN HOSE CONNECTION PORT	VP20 (OD 22φ)
9	DRAIN HOSE (ACCESSORY)	LOCAL CONNECTION (8φ) FOR THE ONLY (OUTLET UNIT CONNECTION (3.6φ))
8	CORNER DECORATION COVER	
7	SUCTON GRILLE	
6	AIR OUTLET	
5	CONNECTION WIRING / REMOTE CONTROL WIRING CONNECTION	
4	POWER SOURCE WIRING	
3	INDOOR UNIT WIRING CONNECTION	
2	CASE PIPE CONNECTION	VP20 (OD 22φ) 8φ FOR THE ONLY (INVERSE FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	OD 15 FLARE CONNECTION

※ : When the air-outlet is close to the wall surface (both side of the air-outlet), the recommend space is 2000 mm or more.

• DECORATION PANEL
BY CO. DESAFT | DESIGNER PANEL

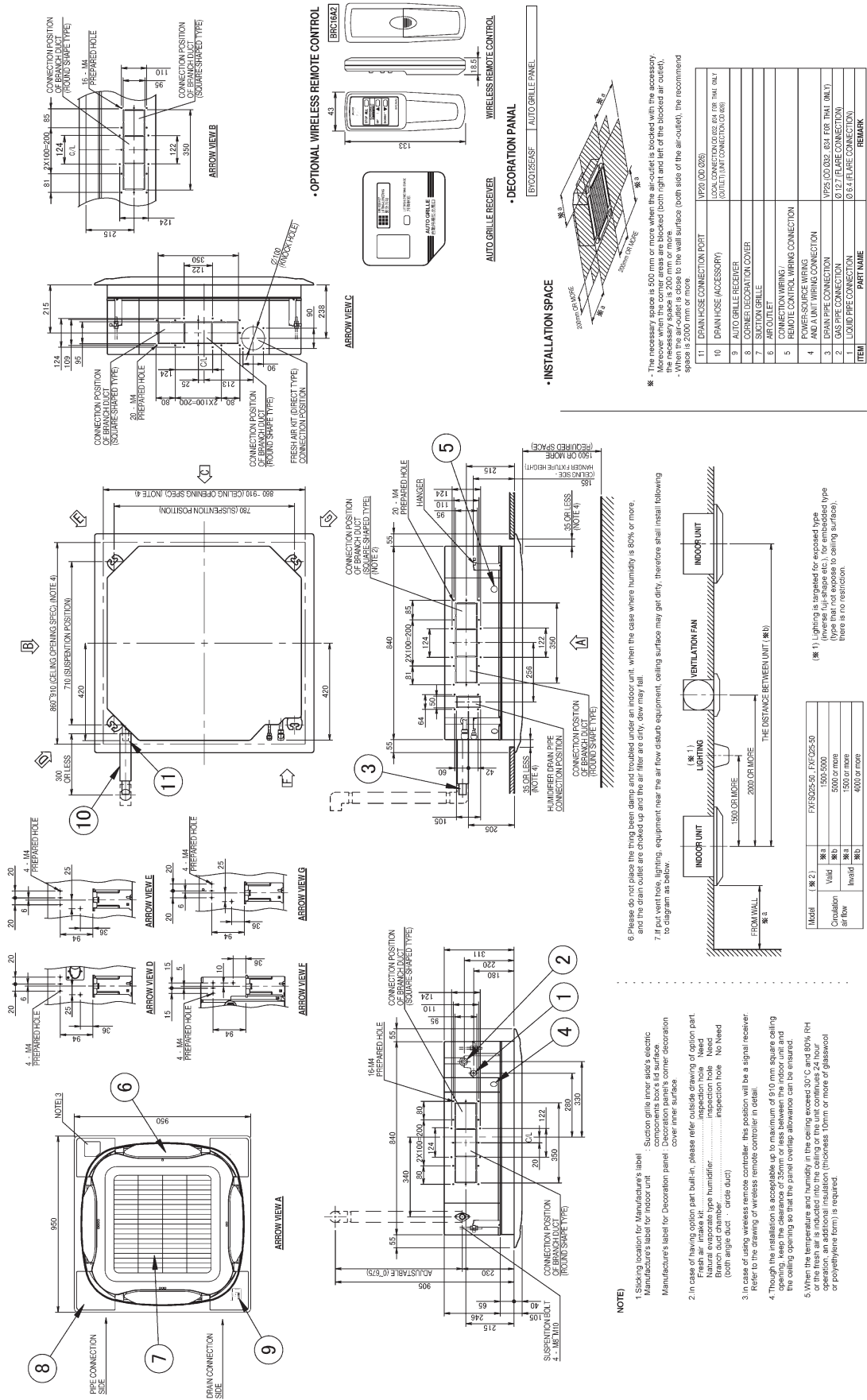
• INSTALLATION SPACE



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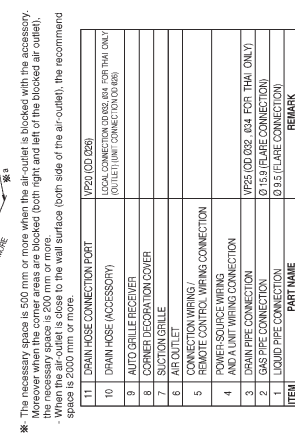
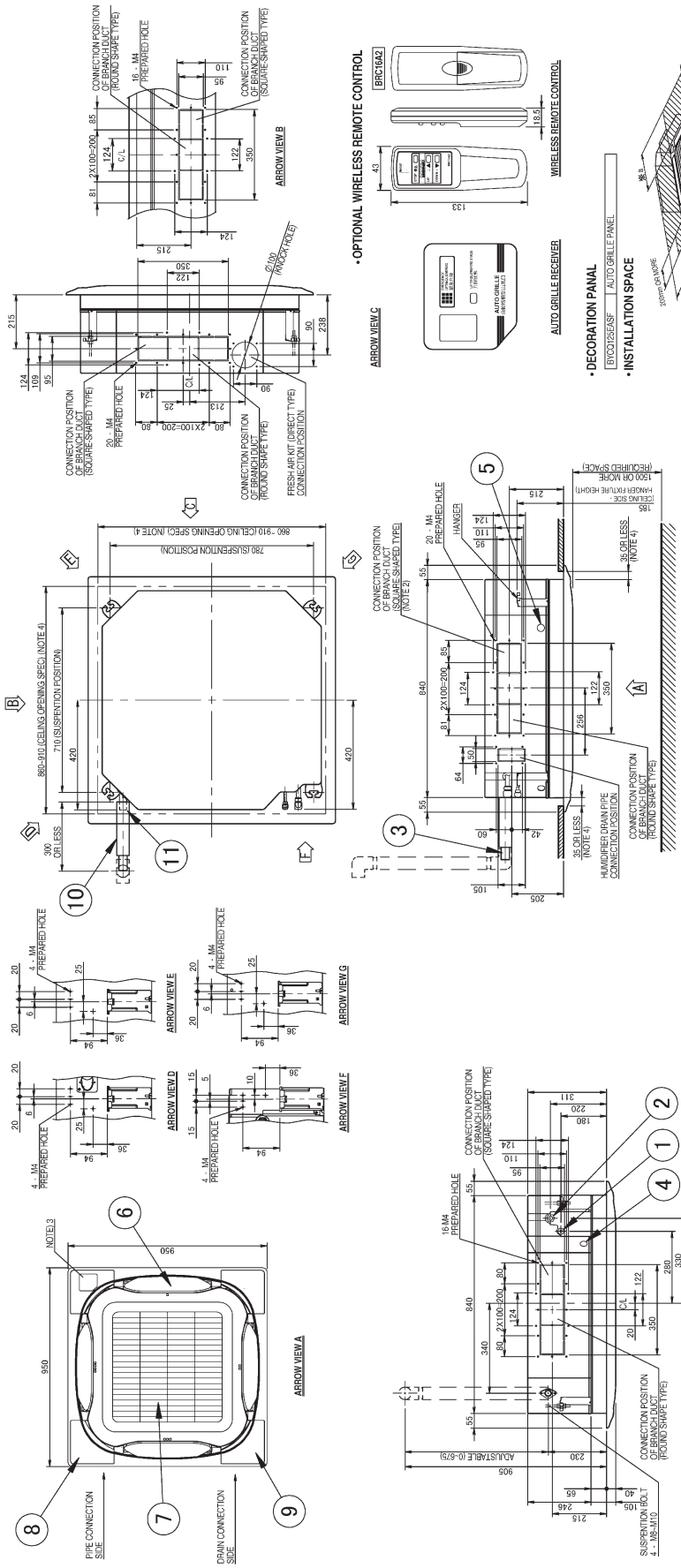
3.3 Auto Grille Panel
FXFQ25AVM / FXFQ32AVM / FXFQ40AVM / FXFQ50AVM

Unit: mm



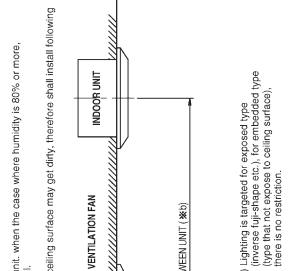
FXFQ63AVM / FXFQ80AVM

Unit: mm



* The necessary space is 500 mm or more when the air-outlet is blocked with the accessory. Moreover when the corner areas are blocked both right and left of the blocked air outlet).
* When the air-outlet is close to the wall surface (both side of the air-outlet), the recommend space is 2000 mm or more.

ITEM	PART NAME	REMARK
11	DRAIN HOSE CONNECTION PORT	VP20 (OD 20)
10	DRAIN HOSE (ACCESSORY)	LOCAL CONNECTION OR USE 844 FOR THAI ONLY (OUTLET LINE CONNECTION ONLY)
9	AUTO GRILLE RECEIVER	
8	CORNER DECORATION COVER	
7	SECTION GRILLE	
6	CONNECTION WIRING	
5	REMOTE CONTROL WIRING CONNECTION	
4	POWER SOURCE WIRING	
3	DRAIN PIPE CONNECTION	VP25 (OD 25) 844 FOR THAI ONLY
2	GAS PIPE CONNECTION	Ø 15.9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	Ø 9.5 (FLARE CONNECTION)



Model	FXFQ63-80	FXFQ80-80
Valid	1500-2000	1500-2000
Condition	5000 or more	5000 or more
air flow	1500 or more	1500 or more
Installation	4000 or more	4000 or more

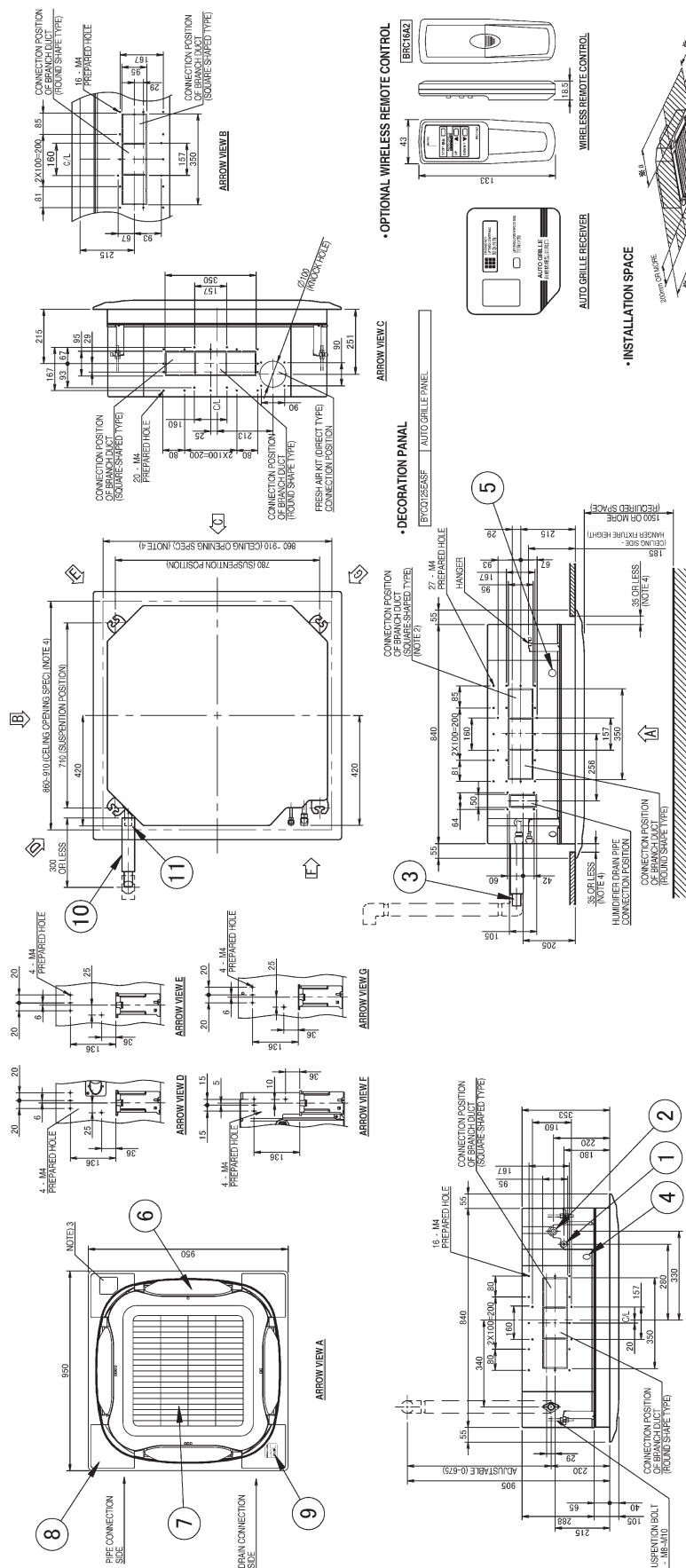
(※1) Lighting is targeted for exposed type (type that not expose to ceiling surface), there is no restriction.

NOTE)
1. Sticking location for Manufacturer's label
Manufacturer's label for indoor unit
Manufacturer's label for Decoration panel : Decoration panel's corner decoration cover (inner surface)
2. In case of having option part built-in, please refer outside drawing of option part.
Fresh air intake kit (low humidity) : inspection hole Need
Branch duct chamber : inspection hole No Need
(both angle duct : circle duct)
3. In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail.
4. Though the installation is acceptable up to maximum of 910 mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.
5. When the temperature and humidity in the ceiling exceed 30°C and 80% RH or the fresh air is induced into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polystyrene foam) is required.

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FXFQ100AVM / FXFQ125AVM / FXFQ140AVM

Unit: mm



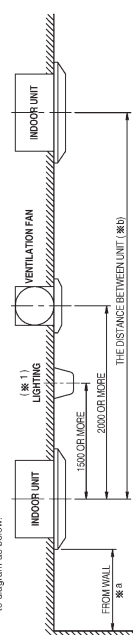
8. - The necessary space is 500 mm or more when the air-outlet is blocked with the accessory. Moreover when the corner areas are blocked (both right and left of the blocked air outlet), the necessary space is 200 mm or more.

- When the air-outlet is close to the wall surface (both side of the air-outlet), the recommend

11	DRAIN HOSE CONNECTION PORT	VP55 (CD 026)
10	DRAIN HOSE (ACCESSORY)	LOCAL CONNECTION ORDER #4 (FOR ONLY COUPLER) (ANT CORRECT FOR DO 806)
9	AUTO GAZE RECEPTER	
8	CHARGE RECEPTION COVER	
7	SUNCTION GRILLE	
6	AIR OUTLET	
5	CONNECTION WIRING / REMOTE CONTROL WIRING CONNECTION	
4	POWER-SOURCE WIRING AND A UNIT WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	VP55 (CD 032, 034 FOR THA ONLY)
2	GAS PIPE CONNECTION	0.15" FLARE CONNECTION
1	LIQUID PIPE CONNECTION	0.15" FLARE CONNECTION

g. Please do not place the thing been damp and troubled under an indoor unit, when the case where humidity is 80% or more,

If put vent hole, lighting, equipment near the air flow disturb equipment, ceiling surfaces may get dirty, therefore shall install following no. diagram as below



Model	Circulation air flow	
	Valid	Invalid
FXFSQ100-140	※a	
FXFQ100-140	※b	
1500-7000		
7000 or more		
1500 or more	※a	
4000-7000	※a	

※1) Lighting is targeted for exposed type (inverse fuji-shape etc.), for embedded (type that not expose to ceiling surface) there is no restriction.

(NOTE)

Sticking location for Manufacturer's label
 Manufacturer's label for Indoor unit
 : Suction grille inner side's electric components box's lid surface.
 Manufacturer's label for Decoration panel
 : Decoration panel's corner decoration cover inner surface

In case of having option part built-in, please refer outside drawing of option part.

Fresh air intake kit.....	Inspection hole	Need
Natural evaporate type humidifier.....	Inspection hole	Need
Branch duct chamber.....	Inspection hole	No Need
(both angle duct - circle duct)		

In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail

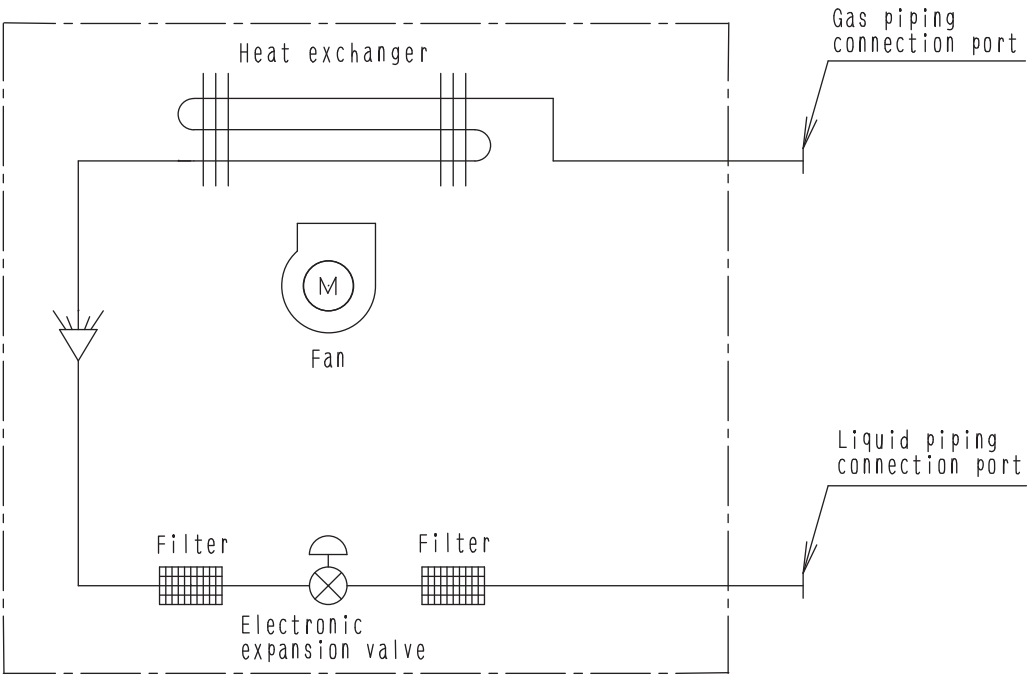
Though the installation is acceptable up to maximum of 910 mm square ceiling

opening, keep the clearance of 33mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.

When the temperature and humidity in the ceiling exceed 30°C and 80% RH or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene foam) is required.

4. Piping Diagrams

FXFQ25AVM / FXFQ32AVM / FXFQ40AVM / FXFQ50AVM / FXFQ63AVM / FXFQ80AVM /
FXFQ100AVM / FXFQ125AVM / FXFQ140AVM



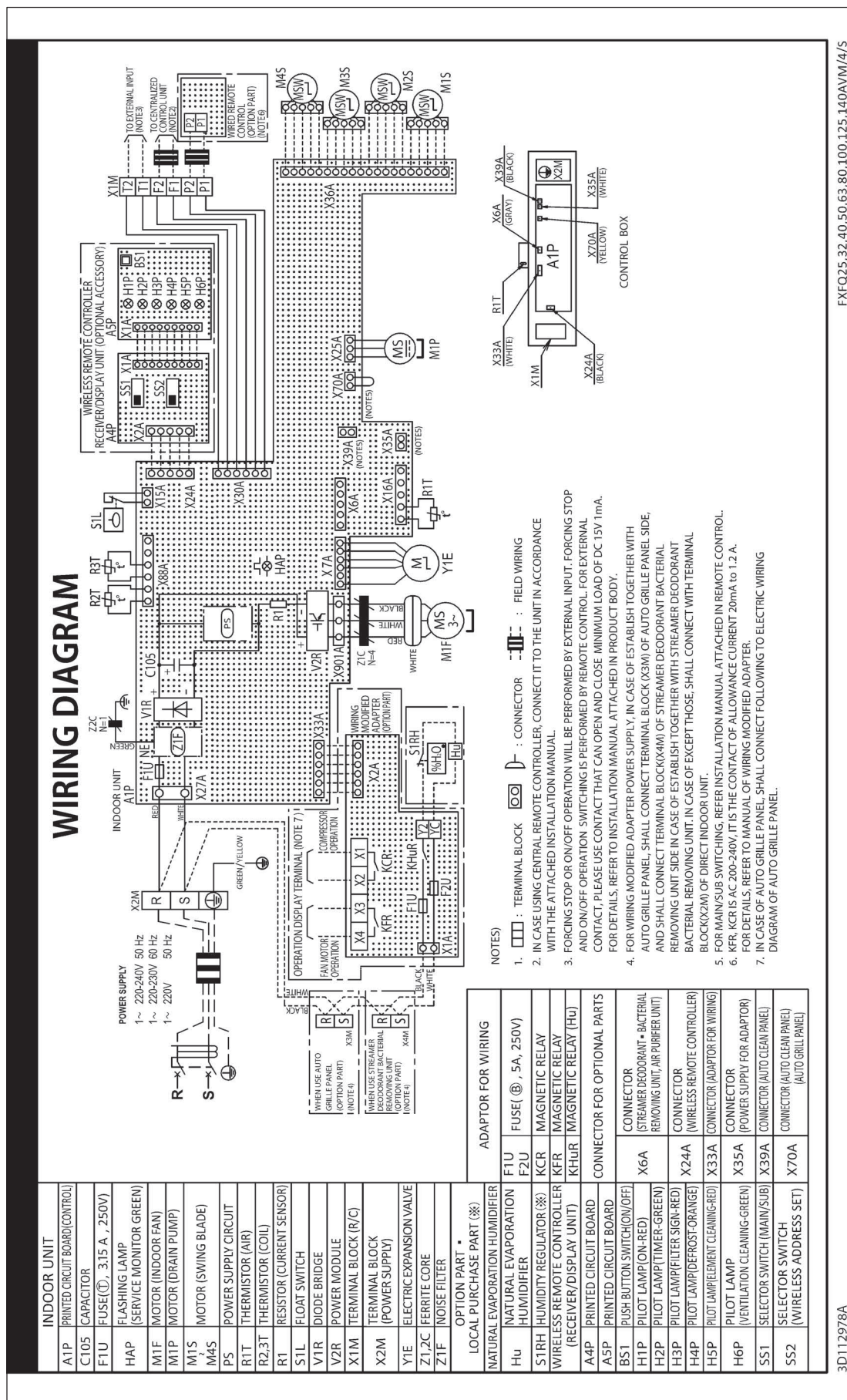
4D024460P

■ Refrigerant pipe connection port diameters

Model	Unit: mm	
	Gas	Liquid
FXFQ25AVM / FXFQ32AVM / FXFQ40AVM / FXFQ50AVM	φ12.7	φ6.4
FXFQ63AVM / FXFQ80AVM / FXFQ100AVM / FXFQ125AVM / FXFQ140AVM	φ15.9	φ9.5

5. Wiring Diagrams

FXFQ25AVM / FXFQ32AVM / FXFQ40AVM / FXFQ50AVM / FXFQ63AVM / FXFQ80AVM /
FXFQ100AVM / FXFQ125AVM / FXFQ140AVM



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6. Electric Characteristics

FXFQ25AVM / FXFQ32AVM / FXFQ40AVM / FXFQ50AVM / FXFQ63AVM / FXFQ80AVM /
FXFQ100AVM / FXFQ125AVM / FXFQ140AVM

Model	Power supply					IFM		Input (W)	
	Hz	Volts	Voltage	MCA	MFA	kW	FLA	Cooling	Heating
FXFQ25AVM/V4	50	220~240V	Max.264V Min.198V	0.3	16	0.053	0.2	29	27
FXFQ32AVM/V4				0.3	16	0.053	0.2	29	27
FXFQ40AVM/V4				0.4	16	0.053	0.3	36	36
FXFQ50AVM/V4				0.4	16	0.053	0.3	40	40
FXFQ63AVM/V4				0.6	16	0.053	0.5	63	63
FXFQ80AVM/V4				1.0	16	0.053	0.8	96	96
FXFQ100AVM/V4				1.4	16	0.106	1.1	158	150
FXFQ125AVM/V4				1.6	16	0.106	1.3	178	166
FXFQ140AVM/V4				1.8	16	0.106	1.4	203	191
FXFQ25AVM	60	220~230V	Max.253V Min.198V	0.3	16	0.053	0.2	29	27
FXFQ32AVM				0.3	16	0.053	0.2	29	27
FXFQ40AVM				0.4	16	0.053	0.3	36	36
FXFQ50AVM				0.4	16	0.053	0.3	40	40
FXFQ63AVM				0.6	16	0.053	0.5	63	63
FXFQ80AVM				1.0	16	0.053	0.8	96	96
FXFQ100AVM				1.4	16	0.106	1.1	158	150
FXFQ125AVM				1.6	16	0.106	1.3	178	166
FXFQ140AVM				1.8	16	0.106	1.4	203	191
FXFQ25AVS	50	220V	Max.242V Min.198V	0.3	16	0.053	0.2	29	27
FXFQ32AVS				0.3	16	0.053	0.2	29	27
FXFQ40AVS				0.4	16	0.053	0.3	36	36
FXFQ50AVS				0.4	16	0.053	0.3	40	40
FXFQ63AVS				0.6	16	0.053	0.5	63	63
FXFQ80AVS				1.0	16	0.053	0.8	96	96
FXFQ100AVS				1.4	16	0.106	1.1	158	150
FXFQ125AVS				1.6	16	0.106	1.3	178	166
FXFQ140AVS				1.8	16	0.106	1.4	203	191

Symbols:

- MCA** : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (See note 5)
kW : Fan Motor Rated Output (kW)
FLA : Full Load Amps (A)
IFM : Indoor Fan Motor

Note:

- Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- Maximum allowable voltage unbalance between phases is 2%.
- MCA/MFA
 $MCA = 1.25 \times FLA$
 $MFA \leq 4 \times FLA$
 (Next lower standard fuse rating Min. 16 A)
- Select wire size base on the MCA.
- Instead of fuse, use circuit breaker.

7. Safety Devices Setting

Model	FXFQ25AVM	FXFQ32AVM	FXFQ40AVM
PCB fuse	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal protector	—	—	—
Drain pump thermal protector °C	—	—	—

Model	FXFQ50AVM	FXFQ63AVM	FXFQ80AVM
PCB fuse	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal protector	—	—	—
Drain pump thermal protector °C	—	—	—

Model	FXFQ100AVM	FXFQ125AVM	FXFQ140AVM
PCB fuse	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Fan motor thermal protector	—	—	—
Drain pump thermal protector °C	—	—	—

C: 3D112954A

8. Capacity Tables

8.1 Cooling Capacity for Te: Auto

Model	Capacity indication	Indoor air temp.													
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB		24°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
FXFQ25AVM	25	2.5	2.5	2.6	2.7	2.8	2.9	2.8	2.7	2.8	2.6	2.9	2.5	3.0	2.4
FXFQ32AVM	32	3.2	3.2	3.4	3.4	3.5	3.4	3.6	3.2	3.6	3.1	3.7	2.9	3.8	2.8
FXFQ40AVM	40	4.0	4.0	4.2	4.4	4.4	4.4	4.5	4.0	4.6	4.0	4.7	3.8	4.8	3.7
FXFQ50AVM	50	4.9	4.8	5.3	4.9	5.5	5.1	5.6	4.7	5.7	4.6	5.8	4.5	5.9	4.3
FXFQ63AVM	63	6.3	5.8	6.7	6.2	7.0	6.2	7.1	5.7	7.2	5.6	7.3	5.3	7.5	5.0
FXFQ80AVM	80	7.9	6.9	8.5	7.1	8.8	7.3	9.0	6.8	9.1	6.6	9.3	6.4	9.5	6.1
FXFQ100AVM	100	9.9	9.0	10.5	9.4	11.0	9.6	11.2	8.8	11.3	8.6	11.6	8.4	11.8	8.1
FXFQ125AVM	125	12.3	10.4	13.2	10.8	13.8	11.1	14.0	10.3	14.2	10.2	14.5	9.8	14.8	9.4
FXFQ140AVM	140	14.1	11.8	15.0	12.3	15.7	12.5	16.0	11.6	16.2	11.5	16.5	11.1	16.9	10.5

TC: Total capacity: kW

SHC: Sensible heat capacity: kW

Notes:

- These capacity tables are for use when selecting a **VRV** indoor unit. The actual capacity of the **VRV** system depends on factors such as the selected model of outdoor units, outdoor air temperature and piping length. Please confirm that the corrected capacity of the **VRV** system satisfies the required heat load.
- ☐ shows rated condition.

8.2 Cooling Capacity for Te: 6°C

Model	Capacity indication	Indoor air temp.													
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB		24°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
FXFQ25AVM	25	1.9	1.9	2.3	2.3	2.6	2.6	2.8	2.7	2.8	2.6	2.9	2.5	3.0	2.4
FXFQ32AVM	32	2.4	2.4	2.9	2.8	3.4	3.1	3.6	3.2	3.6	3.1	3.7	2.9	3.8	2.8
FXFQ40AVM	40	3.0	3.0	3.6	3.6	4.2	4.0	4.5	4.0	4.6	4.0	4.7	3.8	4.8	3.7
FXFQ50AVM	50	3.8	3.6	4.5	4.1	5.2	4.6	5.6	4.7	5.7	4.6	5.8	4.5	5.9	4.3
FXFQ63AVM	63	4.8	4.4	5.7	5.1	6.6	5.6	7.1	5.7	7.2	5.6	7.4	5.3	7.5	5.0
FXFQ80AVM	80	6.1	5.2	7.2	5.9	8.4	6.6	9.0	6.8	9.1	6.6	9.3	6.4	9.5	6.1
FXFQ100AVM	100	7.6	6.8	9.0	7.8	10.5	8.7	11.2	8.8	11.3	8.6	11.6	8.4	11.9	8.1
FXFQ125AVM	125	9.4	7.8	11.3	9.0	13.1	10.1	14.0	10.3	14.2	10.2	14.5	9.8	14.9	9.5
FXFQ140AVM	140	10.8	8.9	12.9	10.2	15.0	11.4	16.0	11.6	16.2	11.5	16.6	11.1	17.0	10.6

TC: Total capacity: kW

SHC: Sensible heat capacity: kW

Notes:

- These capacity tables are for use when selecting a **VRV** indoor unit. The actual capacity of the **VRV** system depends on factors such as the selected model of outdoor units, outdoor air temperature and piping length. Please confirm that the corrected capacity of the **VRV** system satisfies the required heat load.
- ☐ shows rated condition.

8.3 Heating Capacity

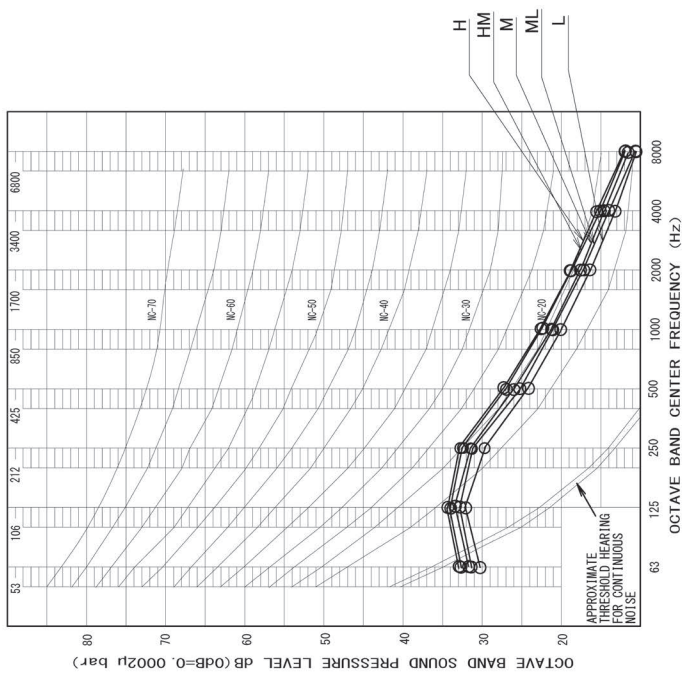
Model	Capacity indication	Indoor air temp.					
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB
		kW	kW	kW	kW	kW	kW
FXFQ25AVM	25	3.4	3.2	3.2	3.1	3.0	2.8
FXFQ32AVM	32	4.2	4.2	4.0	3.9	3.7	3.5
FXFQ40AVM	40	5.2	5.2	5.0	4.8	4.7	4.4
FXFQ50AVM	50	6.6	6.6	6.3	6.1	5.9	5.5
FXFQ63AVM	63	8.4	8.4	8.0	7.7	7.5	7.0
FXFQ80AVM	80	10.5	10.5	10.0	9.7	9.4	8.7
FXFQ100AVM	100	13.1	13.1	12.5	12.1	11.7	10.9
FXFQ125AVM	125	14.7	14.7	14.0	13.6	13.1	12.2
FXFQ140AVM	140	16.8	16.8	16.0	15.5	15.0	13.9

Notes:

- These capacity tables are for use when selecting a **VRV** indoor unit. The actual capacity of the **VRV** system depends on factors such as the selected model of outdoor units, outdoor air temperature and piping length. Please confirm that the corrected capacity of the **VRV** system satisfies the required heat load.
- ☐ shows rated condition.

9. Sound Levels

FXFQ25AVM / FXFQ32AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	30.0	29.5	28.5	28.0	27.0
C	38.3	38.0	37.3	36.8	35.9

(B. G. N IS ALREADY RECTIFIED)

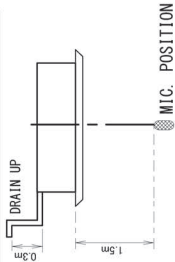
OPERATING CONDITIONS

POWER SOURCE : AVM 220-240V/220-230V 50Hz/60Hz
AV4 220-240V 50Hz
AVS 220V 50Hz

COOLING	: INDOOR 27DB°C/19WB°C OUTDOOR 35DB°C/24WB°C
HEATING	: INDOOR 20DB°C/15WB°C OUTDOOR 7DB°C/6WB°C

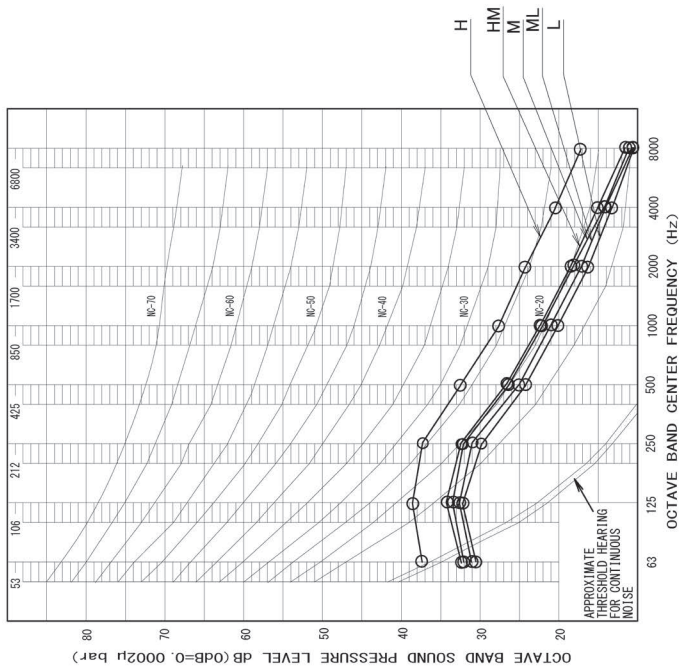
NOTE : Operation noise differs with operation and ambient conditions

LOCATION OF MICROPHONE



4D112880A

FXFQ40AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	35	29.5	29.0	28.0	27.0
C	42.9	38.0	37.6	36.8	35.9

(B. G. N IS ALREADY RECTIFIED)

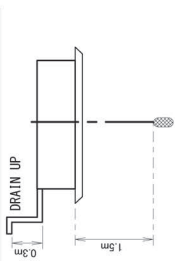
OPERATING CONDITIONS

POWER SOURCE : AVM 220-240V/220-230V 50Hz/60Hz
AV4 220-240V 50Hz
AVS 220V 50Hz

COOLING	: INDOOR 27DB°C/19WB°C OUTDOOR 35DB°C/24WB°C
HEATING	: INDOOR 20DB°C/15WB°C OUTDOOR 7DB°C/6WB°C

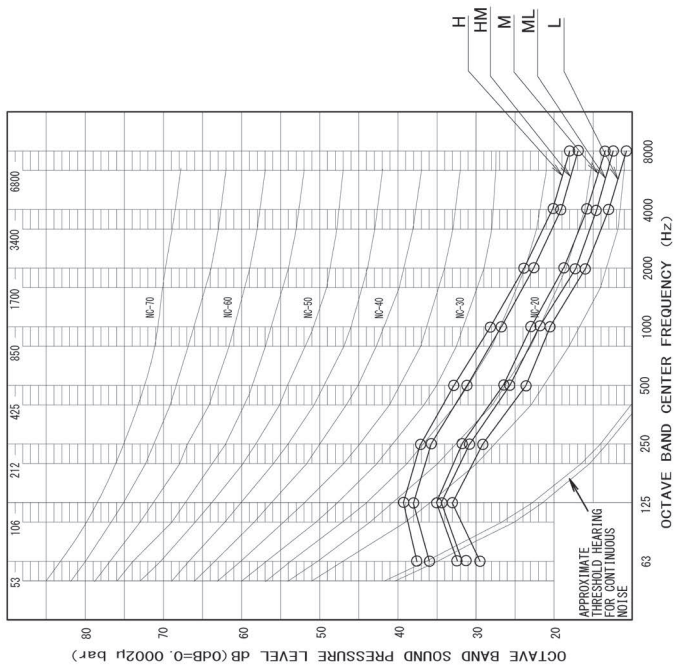
NOTE : Operation noise differs with operation and ambient conditions

LOCATION OF MICROPHONE



4D112874A

FXFQ50AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	35.0	33.5	29.5	28.5	27.0
B	43.2	41.7	38.3	37.3	35.9

(B. G. N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE : AVM 220-240V/220-230V 50Hz/60Hz
AV4 220-240V 50Hz
AVS 220V 50Hz

COOLING : INDOOR 27DB°C/19WB°C
OUTDOOR 35DB°C/24WB°C

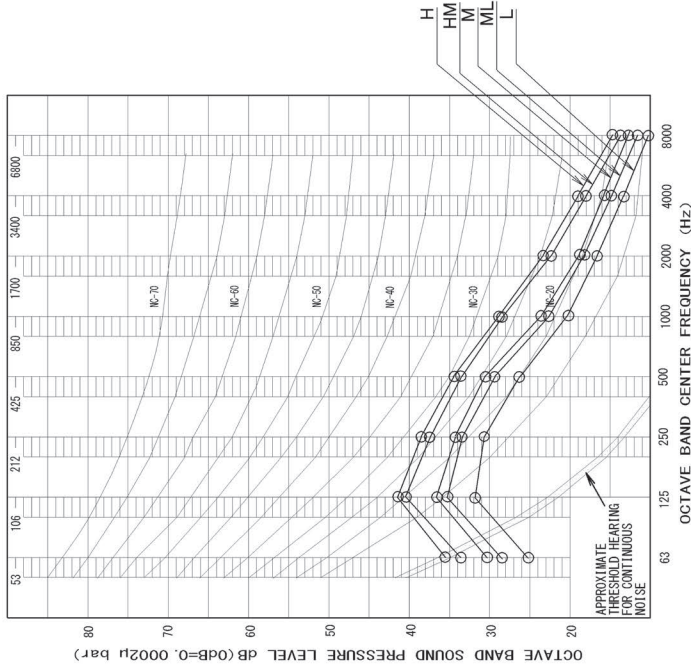
HEATING : INDOOR 20DB°C/15WB°C
OUTDOOR 7DB°C/6WB°C

LOCATION OF MICROPHONE

NOTE : Operation noise differs with operation and ambient conditions

4D112902A

FXFQ63AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	36.0	35.5	31.5	31.0	28.0
C	44.1	43.3	39.7	38.5	35.5

(B. G. N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE : AVM 220-240V/220-230V 50Hz/60Hz
AV4 220-240V 50Hz
AVS 220V 50Hz

COOLING : INDOOR 27DB°C/19WB°C
OUTDOOR 35DB°C/24WB°C

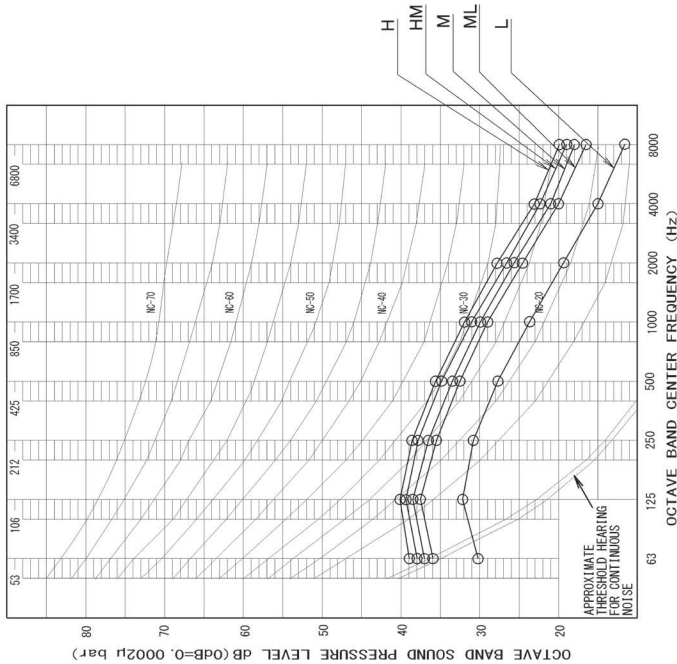
HEATING : INDOOR 20DB°C/15WB°C
OUTDOOR 7DB°C/6WB°C

LOCATION OF MICROPHONE

NOTE : Operation noise differs with operation and ambient conditions

4D112877B

FXFQ80AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	37.0	36.5	36	35.5	29.5
C	44.2	43.5	43.0	42.8	36.6

(B. G. N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

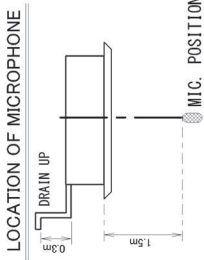
POWER SOURCE : AVM 220-240V/220-230V 50Hz/60Hz
AV4 220-240V 50Hz
AVS 220V 50Hz

COOLING : INDOOR 27DB°C/19WB°C

OUTDOOR 35DB°C/24WB°C

HEATING : INDOOR 20DB°C/15WB°C

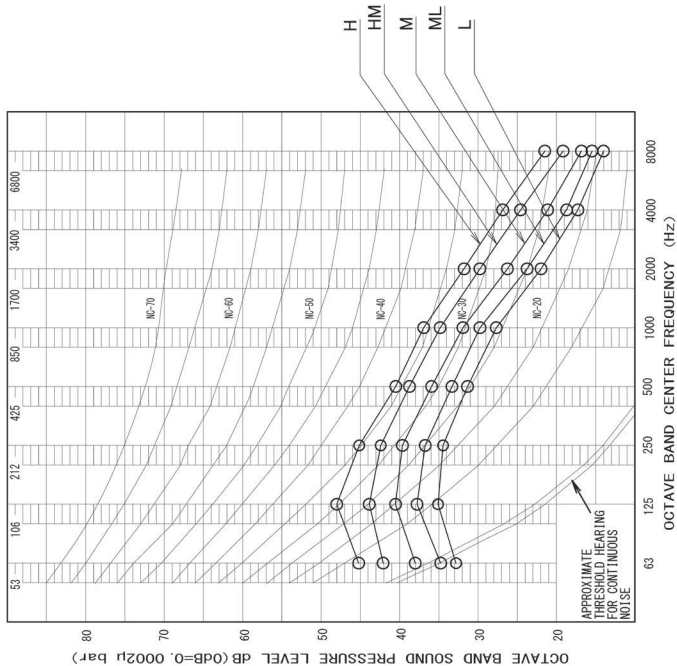
OUTDOOR 7DB°C/6WB°C



NOTE : Operation noise differs with operation and ambient conditions

4D112876B

FXFQ100AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	43.0	40.5	37.5	35.0	33.0
C	51.5	48.3	45.0	42.1	39.8

(B. G. N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

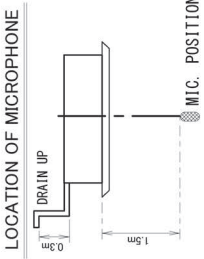
POWER SOURCE : AVM 220-240V/220-230V 50Hz/60Hz
AV4 220-240V 50Hz
AVS 220V 50Hz

COOLING : INDOOR 27DB°C/19WB°C

OUTDOOR 35DB°C/24WB°C

HEATING : INDOOR 20DB°C/15WB°C

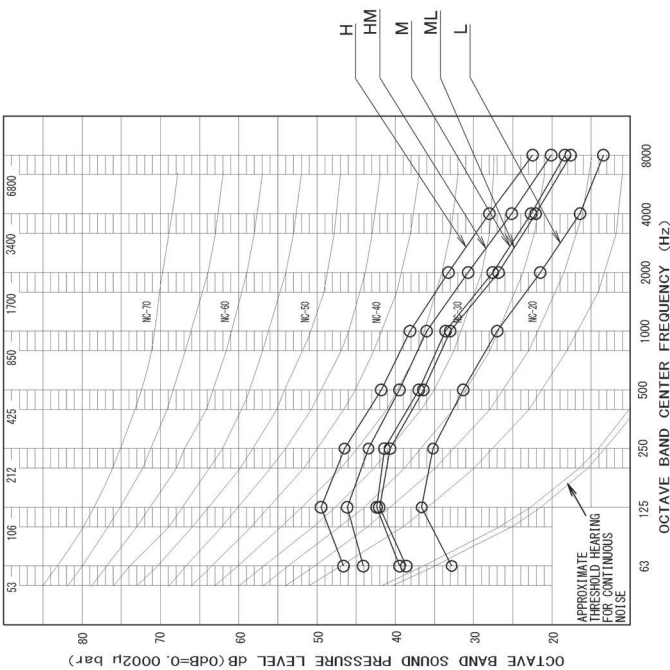
OUTDOOR 7DB°C/6WB°C



NOTE : Operation noise differs with operation and ambient conditions

4D112881A

FXFQ125AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	44.0	41.5	39.0	36.5	33.0
C	52.9	49.9	46.6	46.1	40.5

(B. G. N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE : AVM 220-240V/220-230V 50Hz/60Hz
AV4 220-240V 50Hz
AVS 220V 50Hz

COOLING : INDOOR 27DB°C/19WB°C

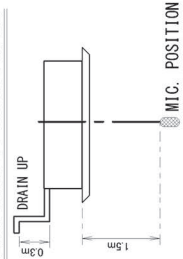
OUTDOOR 35DB°C/24WB°C

HEATING : INDOOR 20DB°C/15WB°C

OUTDOOR 7DB°C/6WB°C

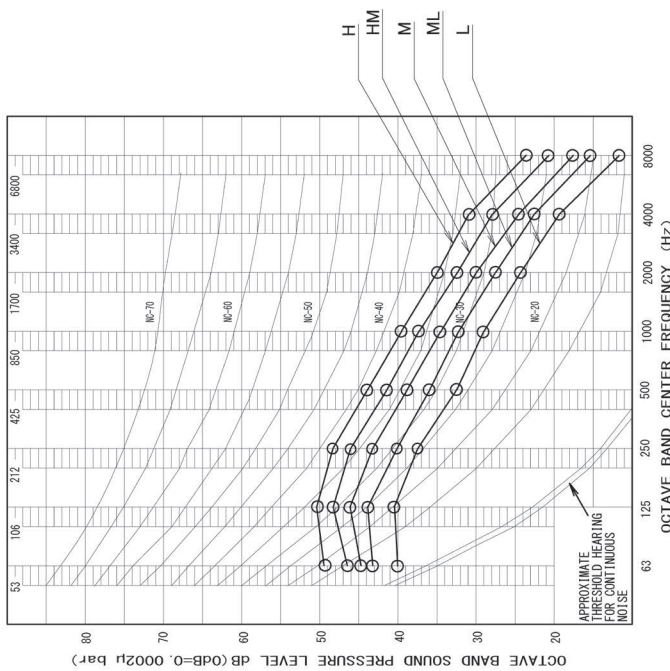
NOTE : Operation noise differents with operation and ambient conditions

LOCATION OF MICROPHONE



4D112872B

FXFQ140AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	46	43.5	40.5	38	35
C	53.3	53.7	52.5	48.8	41.8

(B. G. N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE : AVM 220-240V/220-230V 50Hz/60Hz
AV4 220-240V 50Hz
AVS 220V 50Hz

COOLING : INDOOR 27DB°C/19WB°C

OUTDOOR 35DB°C/24WB°C

HEATING : INDOOR 20DB°C/15WB°C

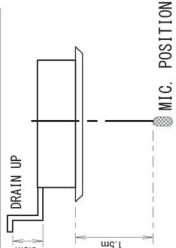
OUTDOOR 7DB°C/6WB°C

NOTE : Operation noise differents with operation and ambient conditions

APPLY MODEL

MODEL NAME
FXF(S)Q140AVM(AV4) (AVS)

LOCATION OF MICROPHONE

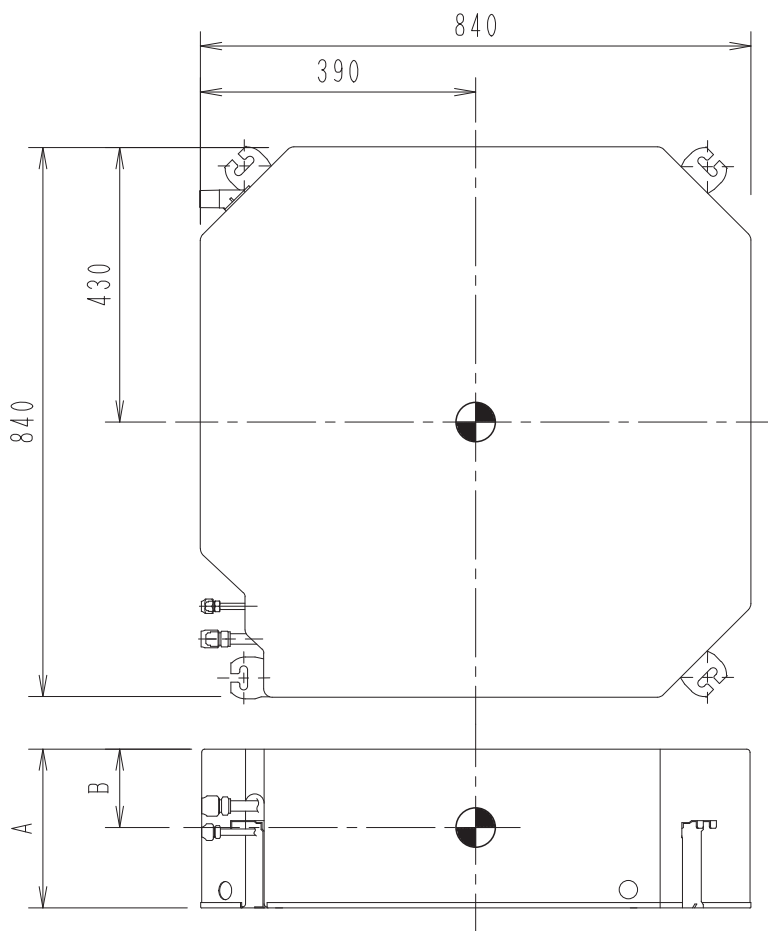


4D509731A

10. Centre of Gravity

FXFQ25AVM / FXFQ32AVM / FXFQ40AVM / FXFQ50AVM / FXFQ63AVM / FXFQ80AVM /
FXFQ100AVM / FXFQ125AVM / FXFQ140AVM

Unit: mm



適用機種名 MODEL NAME	A	B
FXYFP228~90MB, FXYFP28~90MC FXYFP228~90MD, FXYFP28~90MG FXYFP228~90B, FXYFP28~90BA FXYFP228~90C FXFQ25~80PVE(D) FXFQ25~80PAVD FHCXP228~90A, FHCXP28~90AM FHCXP228~90B, FHCXP28~90CB FXFQ25~80PVE FXFQ25~80LUV1, FXFQ25~80LV14 FXFQ25~80LV16 FXFQ25~80LV2S, FXFQ25~80SVM FXFQ50~80PAVD FXYFP228~80D, FXYFP28~80DA FXYFP228~112MJ, FXYFP28~112MK FHCXP56~90D FXF(S)Q25~80AVM(AV4)(AVS) FXYFA45~80A	246	90
FXYFP112~160MB, FXYFP112~160MC FXYFP112~160MD, FXYFP112~160MG FXYFP112~160B, FXYFP112~160BA FXYFP90~160C FXFQ100~125PVE(D) FXFQ100~125PAVD FHCXP112~160A, FHCXP112~160AM FHCXP112~160B, FHCXP112~160CB FXFQ100~125PVE FXFQ100~125LUV1, FXFQ100~125LV14 FXFQ100~125LV16 FXFQ100~125LV2S FXFQ100~125SVM FXYFP90~160D, FXYFP90~160DA FXYFP140~160MJ, FXYFP140~160MK FHCXP112~160D FXF(S)Q100~140AVM(AV4)(AVS) FXYFA112~140A	288	120