

FXFSQ-AVM

Ceiling Mounted Cassette

(Round Flow with Sensing) Type

60 Hz

1. Lineup.....	2
2. Specifications	3
3. Dimensions.....	8
3.1 Standard Panel with Sensing Sensor	8
3.2 Standard Panel	11
3.3 Designer Panel	14
3.4 Auto Grille Panel	17
4. Piping Diagrams	20
5. Wiring Diagrams.....	21
6. Electric Characteristics	22
7. Safety Devices Setting	23
8. Capacity Tables.....	24
8.1 Cooling Capacity for Te: Auto	24
8.2 Cooling Capacity for Te: 6°C	24
8.3 Heating Capacity.....	25
9. Sound Levels.....	26
10. Centre of Gravity	30

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
FXFSQ	25AVM	32AVM	40AVM	50AVM	63AVM	80AVM	100AVM	125AVM	140AVM

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



2. Specifications

Model				FXFSQ25AVM		FXFSQ32AVM	
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	0.028		0.028	
		60 Hz	kW	0.028		0.028	
	Heating	50 Hz	kW	0.026		0.026	
		60 Hz	kW	0.026		0.026	
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: 3D112945B		C: 3D112945B	
	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				FXFSQ40AVM		FXFSQ50AVM	
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	0.035		0.056	
		60 Hz	kW	0.035		0.056	
	Heating	50 Hz	kW	0.034		0.056	
		60 Hz	kW	0.034		0.056	
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)		3×15×1.2 (φ5)	
	Face area		m²	0.244		0.427	
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	17/13.5/12.5/12/11		23/20.5/19/14.5/11	
			l/s	283/225/208/200/183		383/342/317/242/183	
			cfm	600/477/441/424/388		812/724/671/512/388	
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		24	
★4 Sound pressure level (H/HM/M/ML/L)			dB(A)	35/29.5/29.0/28.0/27.0		38.0/35.0/34.5/29.5/27.0	
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: 3D112945B		C: 3D112945B	
	Sound level			C: 4D112874A		C: 4D112898A	

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				FXFSQ63AVM	FXFSQ80AVM
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	0.061	0.092
		60 Hz	kW	0.061	0.092
	Heating	50 Hz	kW	0.060	0.092
		60 Hz	kW	0.060	0.092
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	23.5/21/20/16/13.5		24.5/22/20.5/20/15
		l/s	392/350/333/267/225		408/367/342/333/250
		cfm	830/741/706/565/477		865/777/724/706/530
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)	38.0/36.0/35.5/31.5/28.0	39.0/37.0/36.0/35.5/31.0
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: 3D112945B	C: 3D112945B
	Sound level			C: 4D112879B	C: 4D112878B

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				FXFSQ100AVM		FXFSQ125AVM	
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		13,800	
			Btu/h	42,700		54,600	
			kW	12.5		16.0	
Power input	Cooling	50 Hz	kW	0.164		0.170	
		60 Hz	kW	0.164		0.170	
	Heating	50 Hz	kW	0.144		0.159	
		60 Hz	kW	0.144		0.159	
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)		2×18×1.2 (φ5)	
	Face area		m ²	0.535		0.550	
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)		m ³ /min	33.5/30.5/27/23.5/21		34.5/31.5/28.5/25.5/23	
			l/s	558/508/450/392/350		575/525/475/425/383	
			cfm	1,183/1,077/953/830/741		1,218/1,112/1,006/900/812	
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)	44.0/41.0/38.0/35.0/33.0		45.0/42.5/39.5/37.0/35.0	
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: 3D112945B		C: 3D112945B	
	Sound level			C: 4D509733A		C: 4D509732A	

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				FXFSQ140AVM	
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	0.194	
		60 Hz	kW	0.194	
	Heating	50 Hz	kW	0.183	
		60 Hz	kW	0.183	
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: 3D112945B		
	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

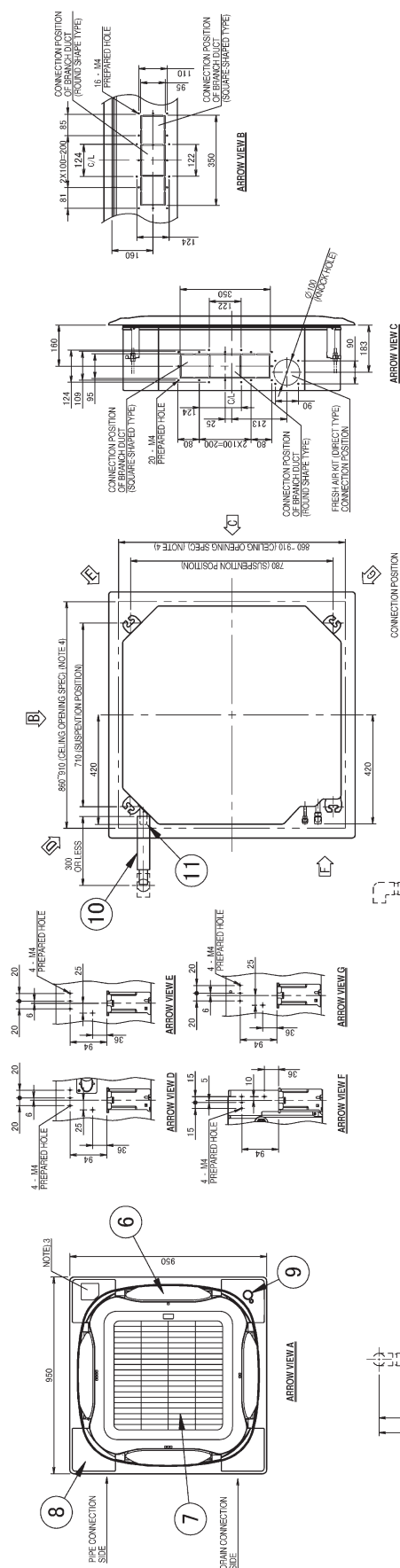
kcal/h=kW×860
 Btu/h=kW×3412
 cfm=m³/min×35.3
 l/s=m³/min×1000/60

3. Dimensions

3.1 Standard Panel with Sensing Sensor

FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM

Unit: mm

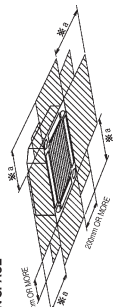


• DECORATION PANEL

BYCQ125EEF	SENSING PANEL (FRESH WHITE)
BYCQ125EEK	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



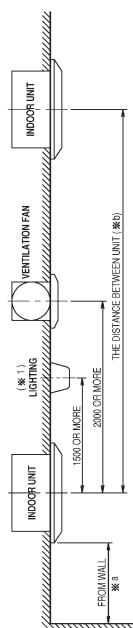
- The necessary space is 500 mm or more when the air-outlet is blocked with the accessory. Moreover when the corner areas are blocked (both right and left of the blocked air outlet), the necessary space is 200 mm or more.
- When the air-outlet is close to the wall surface (both side of the air-outlet),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

11	DRAIN HOSE CONNECTION PART	
10	DRAIN HOSE (ACCESSORY)	
9	SENSOR	W250 001 026
8	CONNECTION COVER	LOCAL CONNECTION BOX, 8/4 IN. (ONLY)
7	CONNECTION COVER	HUMAN DETECT FLOOR TEMP SENSOR
6	AIR OUTLET	
5	CONNECTION WIRING / REMOTE CONTROL WIRING CONNECTION	
4	POWER SOURCE WIRING AND A UNIT WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	W250 00 002, 8/4 IN. (ONLY)
2	GAS PIPE CONNECTION	Ø 12.7 IN. (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	Ø 6.6 IN. (FLARE CONNECTION)

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,

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.



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

Model		
Circulation air flow	Valid	※a
		※b
	Invalid	※a
		※b

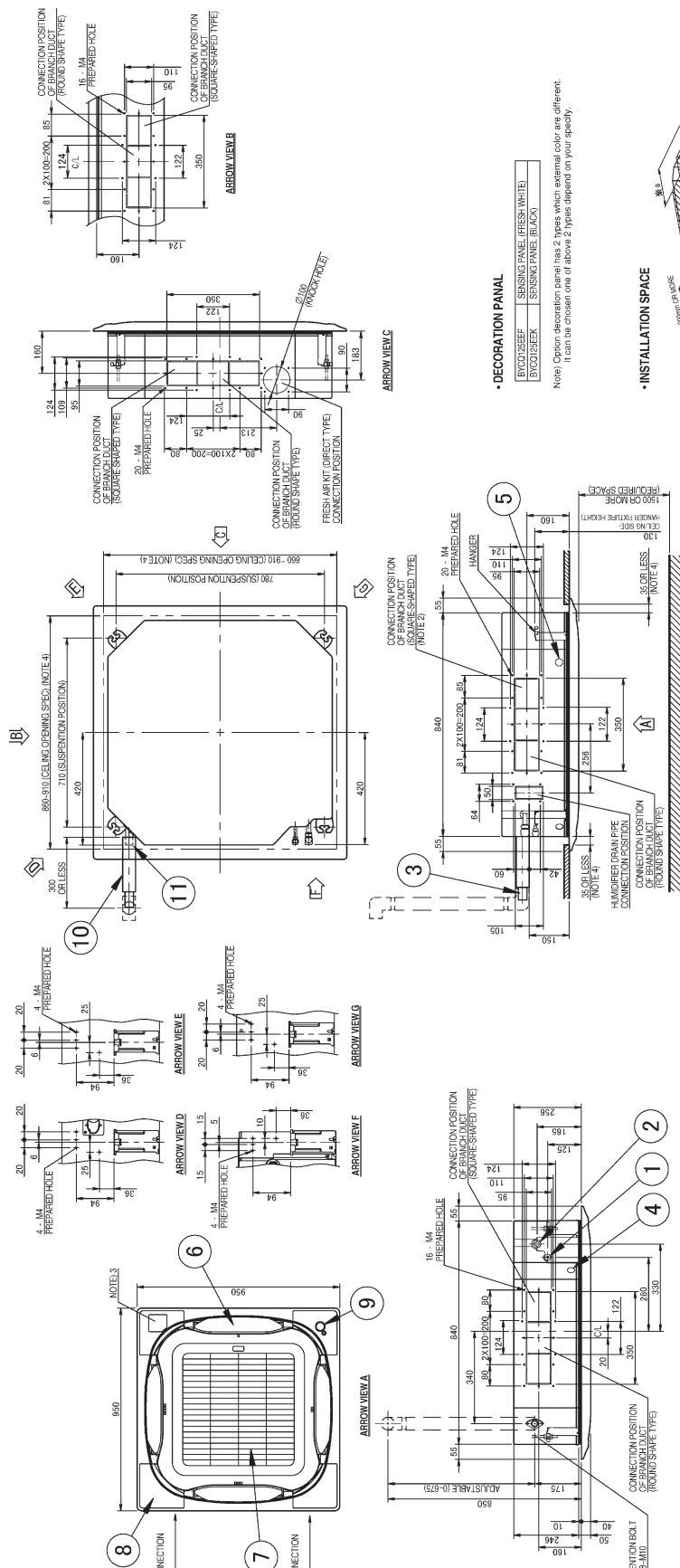
※ 1) Lighting is targeted for exposed type (inverse full-shape etc.), for embedded type (type that not expose to ceiling surface), there is no restriction.

(NOTE)

- Shipping location for indoor unit label
Suction grille inner side's electric components box lid surface.
Cover the label with a transparent cover after completion of the installation.
Manufacturer's label for Decoration panel
In case of having option part built-in, please refer drawing of option part.
Natural evaporative type humidifier. No Need
Air purifier type. No Need
Air purifier type. No Need
Branch duct diameter. No Need
(both angle duct + oride 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 35mm or less between the indoor unit and the ceiling opening so that the panel oversize accident can be avoided.
When the temperature and humidity in the ceiling space is 30°C or 80% RH or the fresh air is introduced into the ceiling of the unit continues 24 hour or more, the ceiling space must be ventilated (in the form of moisture of glassless or polyethylene film) is required.

FXFSQ63AVM / FXFSQ80AVM

Unit: mm



NOTE)

Sticking location for Manufacturer's label

1. 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.

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

Fresh air intake kit	 inspection hole	Need
Natural evaporator type humidifier	 inspection hole	Need
Air purifier unit	 inspection hole	No Need
High efficiency filter unit	 inspection hole	No 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.

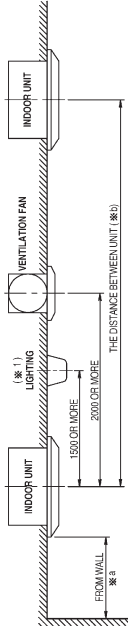
4. Though the installation is acceptable up to maximum of 910 mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and

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 polyethylene form) is required.

5. 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 door, outlet was blocked up, and the air filter was dirty, dusts may fall.

If put vent hole, lighting, equipment near the air flow disturb equipment, ceiling surface may get dirty, therefore shall install following and the drain outlet are clogged up and the air filter are dirty, dew may fall.

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		FXFSQ 63-80
Circulation air flow	Valid	1500-5000
	※a	5000 or more
	Invalid	1500 or more

i) Lighting is targeted for exposed type (inverse fuji-shape etc.), for embedded type (type that not expose to ceiling surface).

11	DRAIN HOSE CONNECTION PORT	VP20 (OD Ø26)
10	DRAIN HOSE (ACCESSORY)	JOAL CONNECTION Ø82.84 FOR THAT ONLY (DO NOT GET JOAL CONNECTION Ø66)
9	SENSOR	HUMAN DETECT FLOOR TEMP SENSOR
8	CORNER DECONTAMINATION COVER	
7	WATER INLET VALVE	
6	AIR OUTLET	
5	CONNECTION WIRING	RELAYOTE CONTROL WIRING CONNECTION
4	POWER SOURCE WIRING	AND A UNIT WIRING CONNECTION
3	DRAIN PIPE CONNECTION	VP25 (OD Ø26.84 FOR THAT ONLY)
2	GAS PIPE CONNECTION	Ø 19.9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	Ø 9.5 (FLARE CONNECTION)

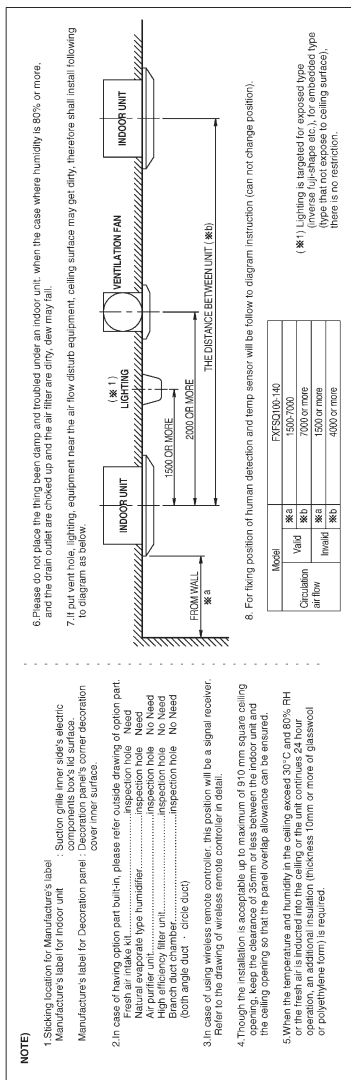
3D112982B

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), the necessary space is 200 mm or more.

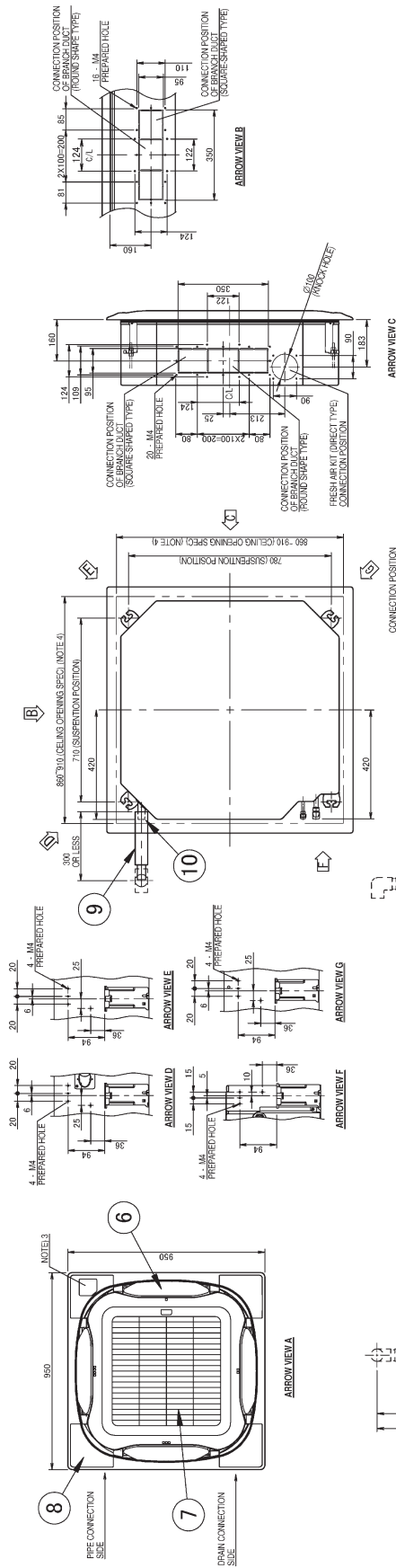
11	DRAIN HOSE CONNECTION PORT	1/2" (Ø 0.62)
10	DRAIN HOSE (ACCESSORY)	1/2" (Ø 0.62) ONLY FOR FTS-TX ONLY (UNIT CONNECTION Ø 0.62)
9	SENSOR	HUMAN DETECT FLOOR TEMP SENSOR
8	CORNER DECONTAMINATION COVER	
7	SUCTION GRILLE	
6	AIR OUTLET	
5	CONNECTION WIRING / REMOTE CONTROL WIRING CONNECTION	
4	POWER-SOURCE WIRING AND A UNIT WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	1/2" (Ø 0.62 - Ø0.4 FOR TX ONLY)
2	GAS PIPE CONNECTION	Ø 1.5" (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	Ø 3" (FLARE CONNECTION)



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3.2 Standard Panel
FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM

Unit: mm

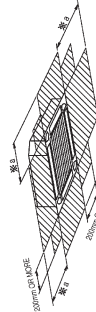


• DECORATION PANEL

Table with 2 columns: BY COLOR, STANDARD PANEL (FRESH WHITE), STANDARD PANEL (BLACK). Rows include BY COLOR, STANDARD PANEL (FRESH WHITE), and STANDARD PANEL (BLACK).

Note: Option decoration panel has 2 types which external color are different. It can be chosen one of above 2 type 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). When the air-outlet is close to the wall surface (both side of the air-outlet), the recommend space is 2000 mm or more.

Table with 2 columns: ITEM, PART NAME. Rows include 10. DRAIN HOSE CONNECTION PORT, 9. DRAIN HOSE (ACCESSORY), 8. CORNER DECORATION COVER, 7. SUCTION GRILLE, 6. AIR OUTLET, 5. CONNECTION WIRING, 4. REMOTE CONTROL WIRING CONNECTION AND A UNIT WIRING CONNECTION, 3. DRAIN PIPE CONNECTION, 2. GAS PIPE CONNECTION, 1. LIQUID PIPE CONNECTION.

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 dry, 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 diagram as below.

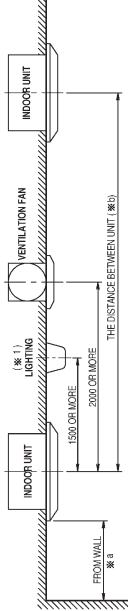


Table with 2 columns: Model, FXFSQ25-50, FXFSQ32-50, FXFSQ40-50, FXFSQ50-50. Rows include Model, Valid, Invalid, Circulation, and air flow.

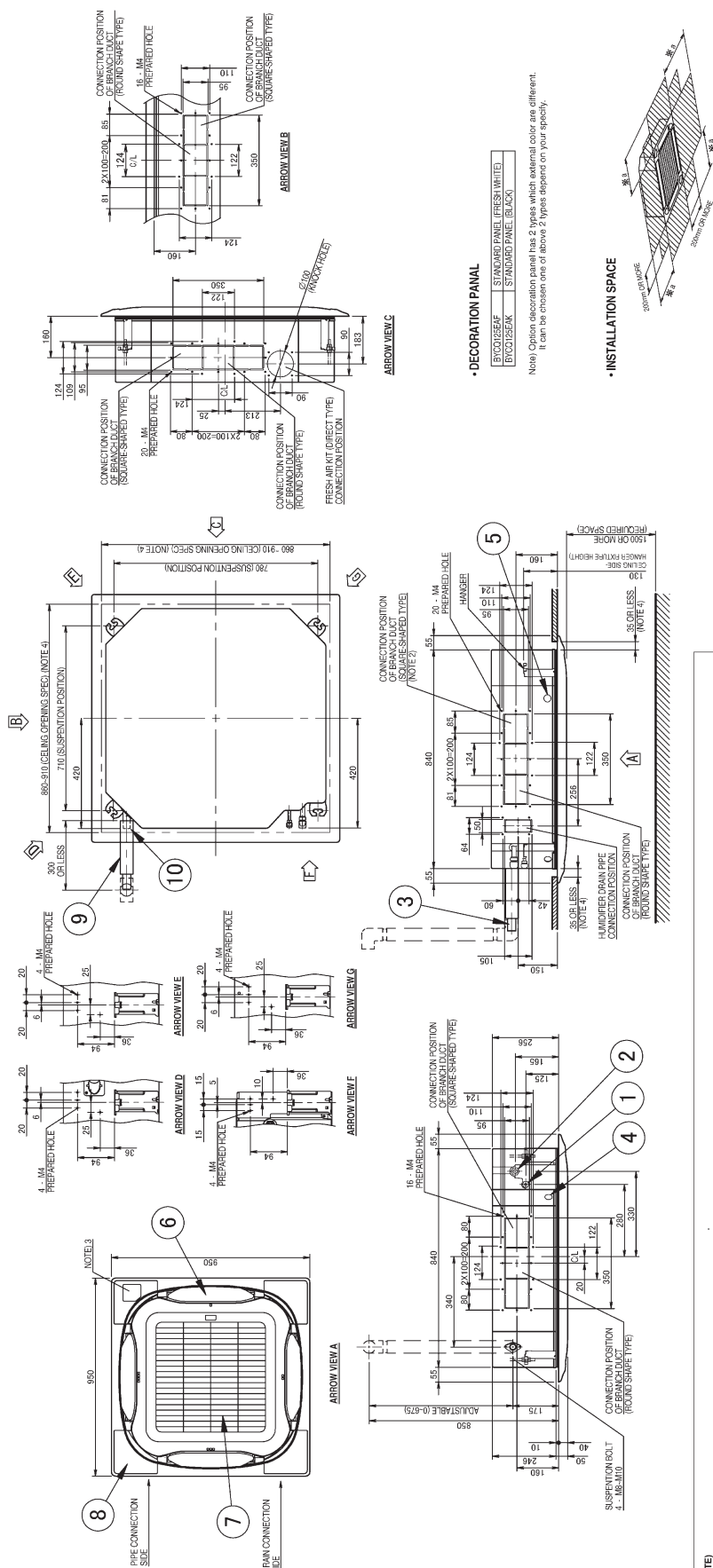
(※ 1) Lighting is targeted for exposed type (inverse full-shape etc.), for embedded type (inverse full-shape etc.), for ceiling surface, there is no restriction.

NOTE

- 1 Sticking location for Manufacturer's label. Suction grille inner side's electric components box's lid surface. Manufacturer's label for Indoor unit. Manufacturer's label for Decoration panel. Manufacturer's label for corner decoration cover inner surface.
- 2 In case of having option part built-in, please refer outside drawing of option part. Air purifier unit: No Need. Natural evaporative type humidifier: No Need. Air purifier unit: No Need. Branch duct diameter: 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 610 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 85% RH or the fresh air is induced into the ceiling or the unit continues 24 hour or more, the ceiling material (thickness 10mm or more of glasswool or polyethylene foam) is required.

FXFSQ63AVM / FXFSQ80AVM

Unit: mm



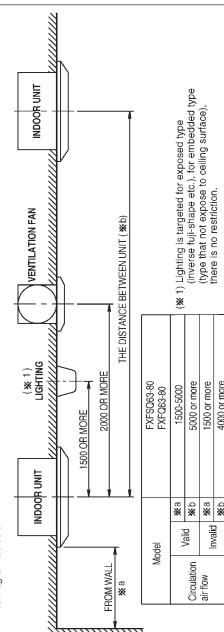
* The necessary space is 500 mm or more when the air-outlet is blocked with the accessory. Moreover when the corner areas are blocked (both right and left of the blocked air outlet), the necessary space is 200 mm or more.

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

10	DRAIN HOSE CONNECTION PORT	VP25 (OD 0.68)
9	DRAIN HOSE (ACROSS/UP)	1/4" NPT (OD 0.64) FOR TH1 (ONLY)
8	CORNER DECORATION COVER	OUTLET UNIT CONNECTION (OD 0.58)
7	SUCTION GRILLE	
6	AIR OUTLET	
5	CONNECTION WIRING/PLUMBING CONNECTION	
4	POWER/SOURCE WIRING	
3	AIR UNIT WIRING CONNECTION	
2	DRAIN PIPE CONNECTION	VP25 (OD 0.62) FOR TH1 (ONLY)
1	GAS PIPE CONNECTION	Ø 15.9 (FLARE CONNECTION)
	LIQUID PIPE CONNECTION	Ø 9.5 (FLARE CONNECTION)

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.

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



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

Model	FXFSQ63-80 FXFQ63-80	
	Circulation air flow	※a
	Valid	※a
		※b
		※a
	Invalid	Invalid

(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.

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 humidifier	 inspection hole	Need
Air purifier unit	 inspection hole	No Need
High efficiency filter unit	 inspection hole	No Need
Branch duct chamber	 inspection hole	No Need
(both angle duct - circle duct)		

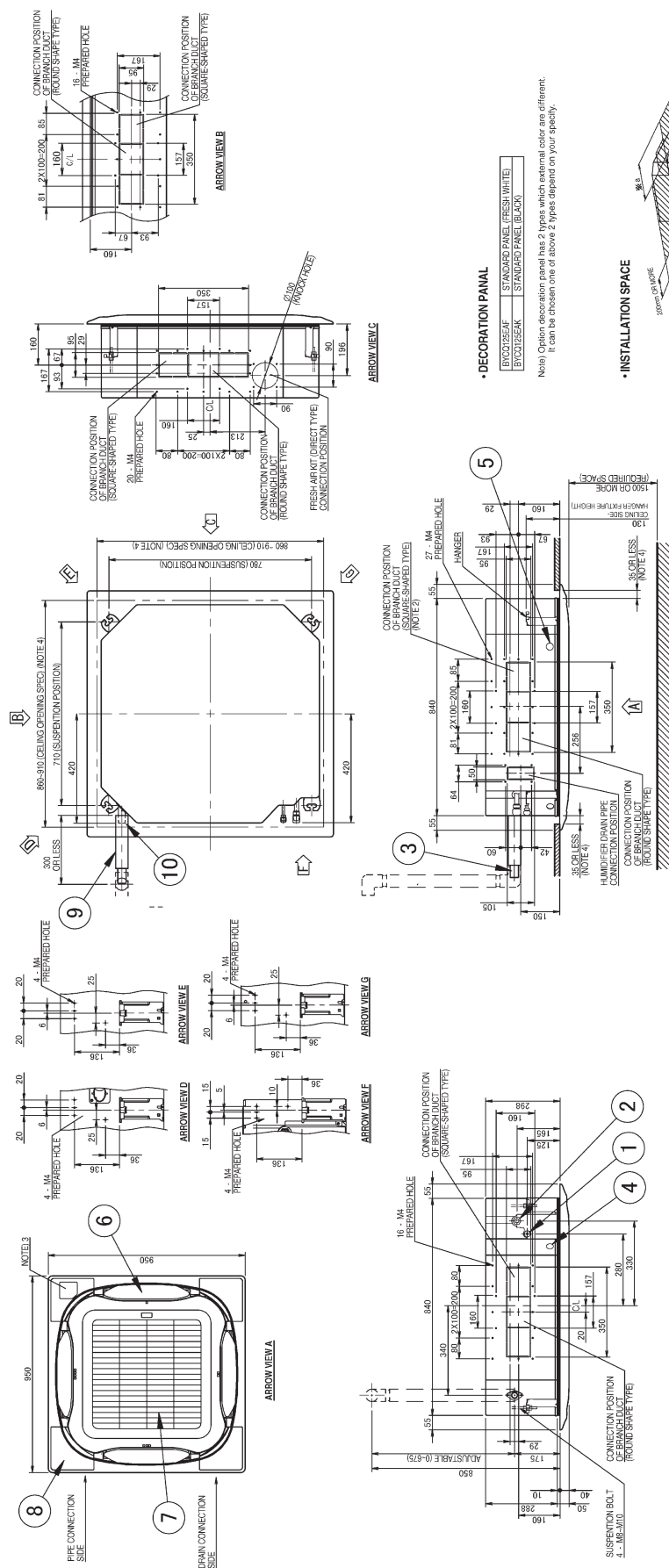
3. In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

3. 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 polyethylene form) is required.

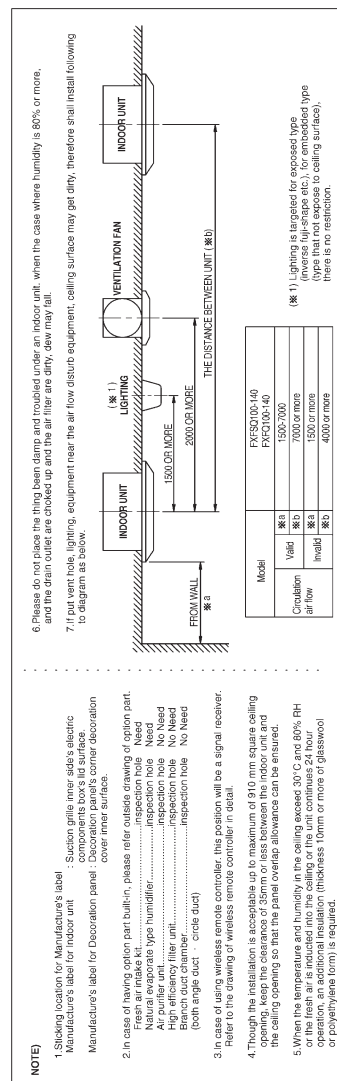
FXFSQ100AVM / FXFSQ125AVM / FXFSQ140AVM

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), 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 space is 2000 mm or more.

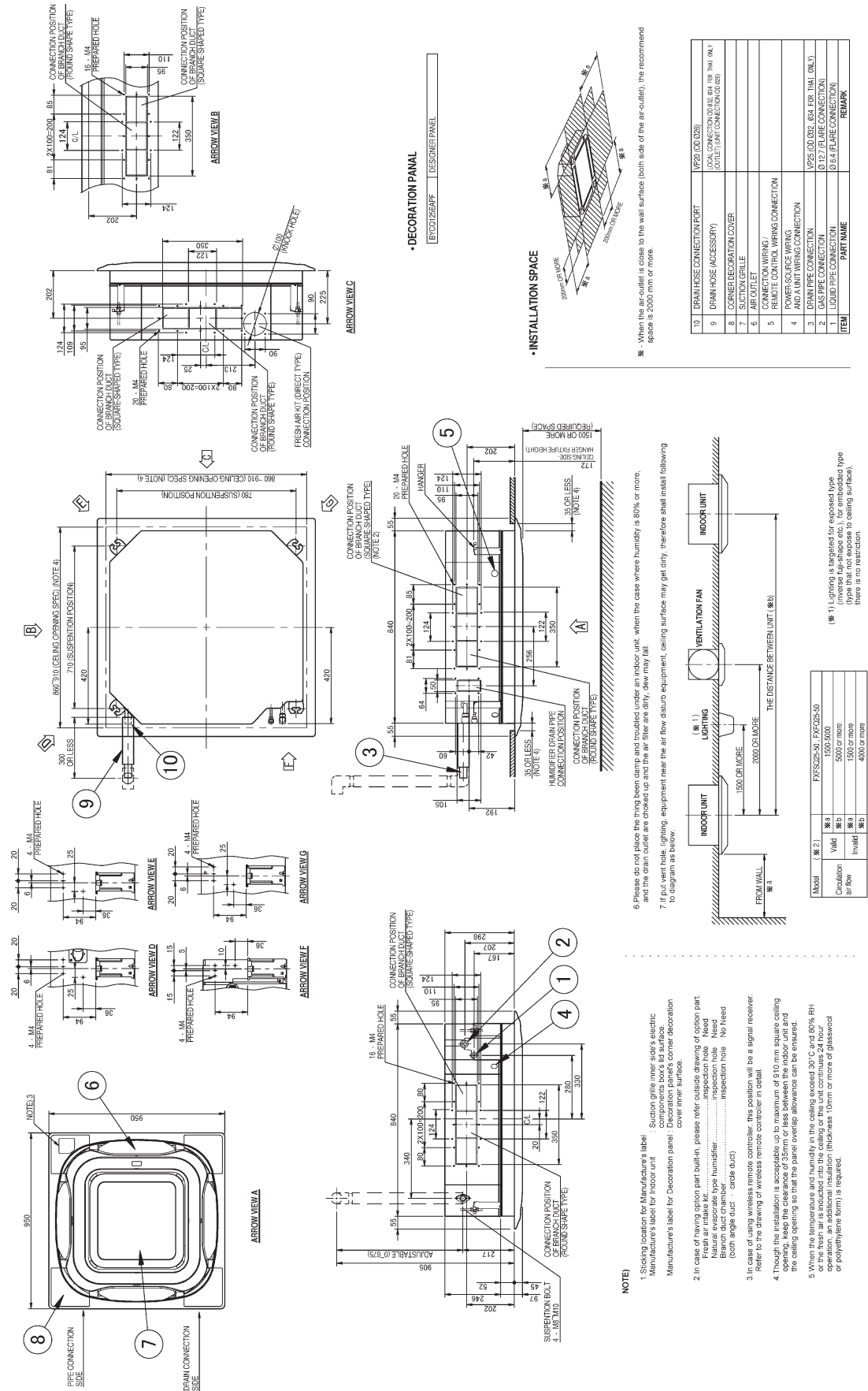
10	DRAIN HOSE CONNECTION PORT	VP05 (Ø2.058)
9	DRAIN HOSE (ACCESSORY)	VP05 CONNECTION Ø2.058 (Ø4 FOR THA ONLY) (OUTLET UNIT CONNECTION Ø2.058)
8	CORNER DECORATION COVER	
7	SUCTION GRILLE	
6	AIR OUTLET	
5	POWER SUPPLY WIRING REMOTE CONTROL WIRING CONNECTION	
4	POWER SOURCE WIRING	
3	DRAIN PIPE CONNECTION	VP05 (Ø2.058 FOR THA ONLY)
2	GAS PIPE CONNECTION	Ø15.9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	Ø9.5 (FLARE CONNECTION)



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3.3 Designer Panel
FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM

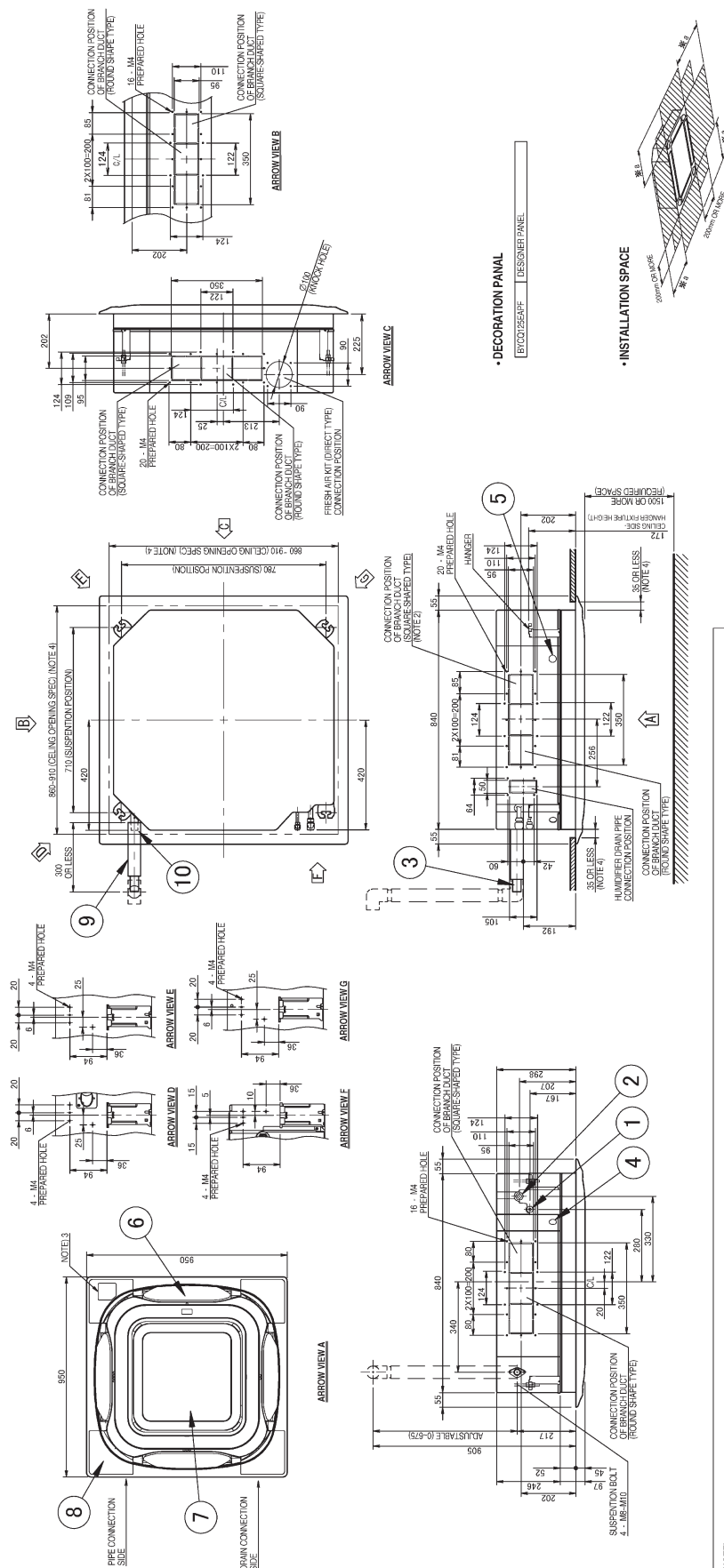
Unit: mm



3D112988C

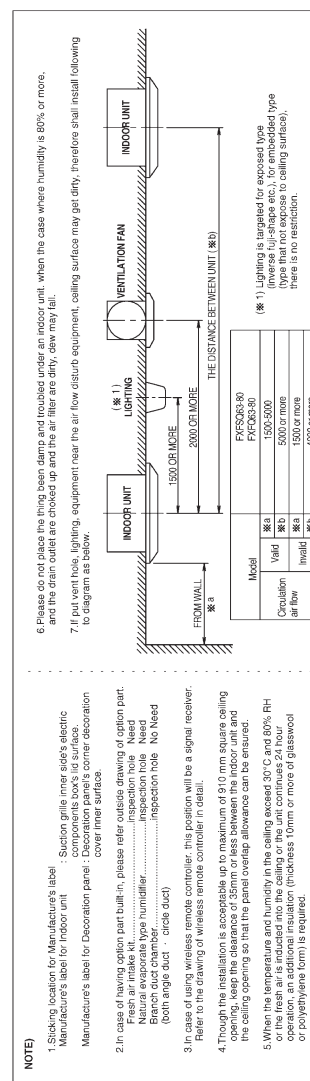
FXFSQ63AVM / FXFSQ80AVM

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.

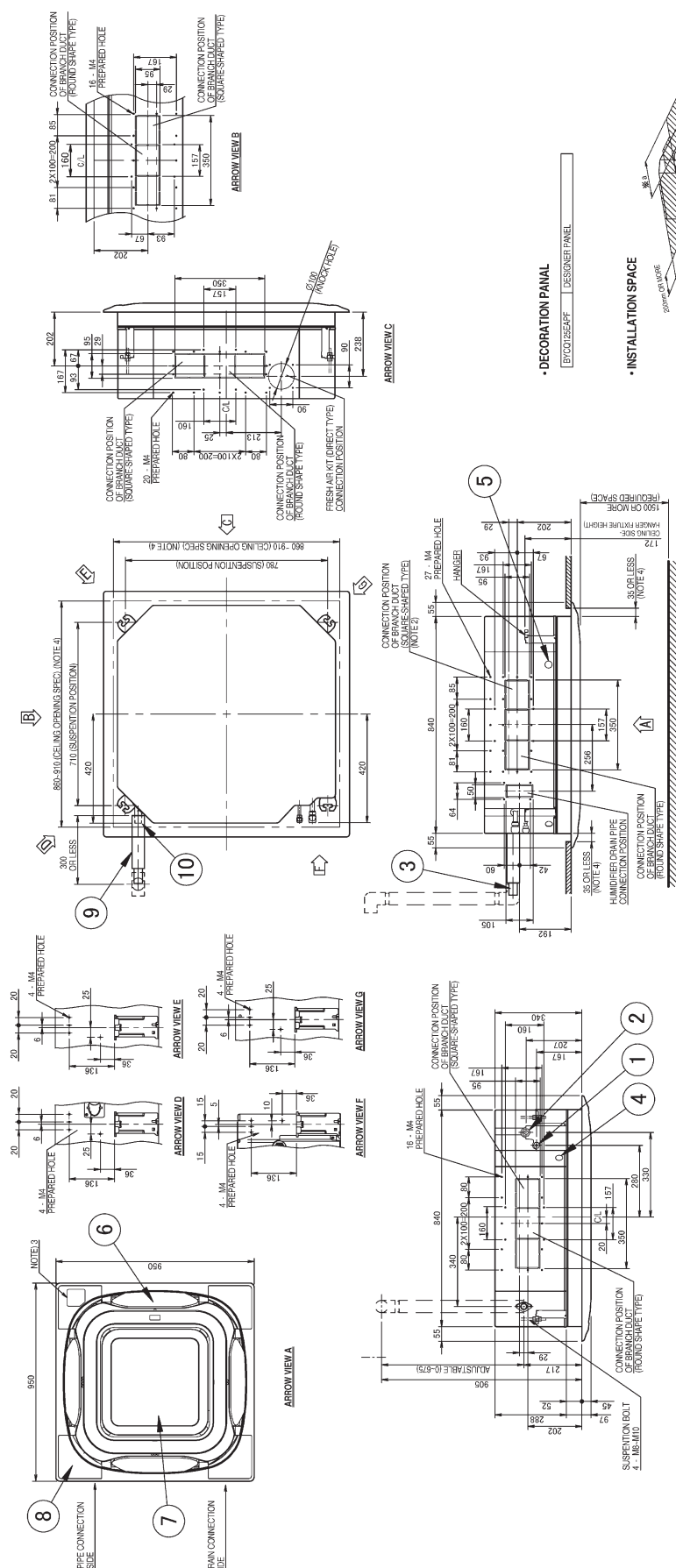
10	DRAIN HOSE CONNECTION PORT	VP25 (QD 0268)
9	DRAIN HOSE (ACCESSORY)	VP25 (QD 0268) (4' FOR TANK ONLY) (5' FOR TANK CONNECTION)
8	CORNER DECORATION COVER	
7	SUCTION GRILLE	
6	AIR OUTLET	
5	CONNECTION WIRING AND A UNIT WIRING CONNECTION	
4	POWER SOURCE WIRING AND A UNIT WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	VP25 (QD 0324 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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FXFSQ100AVM / FXFSQ125AVM / FXFSQ140AVM

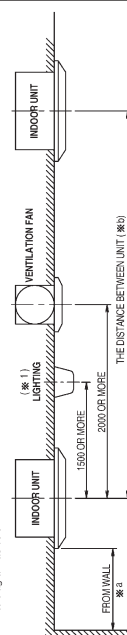
Unit: mm



i - 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 (03 0269)
9	DRIVER (ACCESSION)	VP25 (03 0269) 104 (FOR THAT ONLY)
8	CORNER DECORATION COVER	OUTLET (UNIT CONNECTION 03 048)
7	SUCTION GRILLE	
6	ARE OUTLET	
5	CONNECTION WIRING	
4	POWER SOURCE WIRING AND A UNIT WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	VP25 (03 0302 104 (FOR THAT ONLY)
2	GAS PIPE CONNECTION	015.9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	9.9.5 (FLARE CONNECTION)

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.



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

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

NOTE)

Sticking location for Manufacture's label
Manufacture's label for Indoor unit
Manufacture's label for Decoration panel
: Suction grille inner side's electric components box's lid surface.
: 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)		

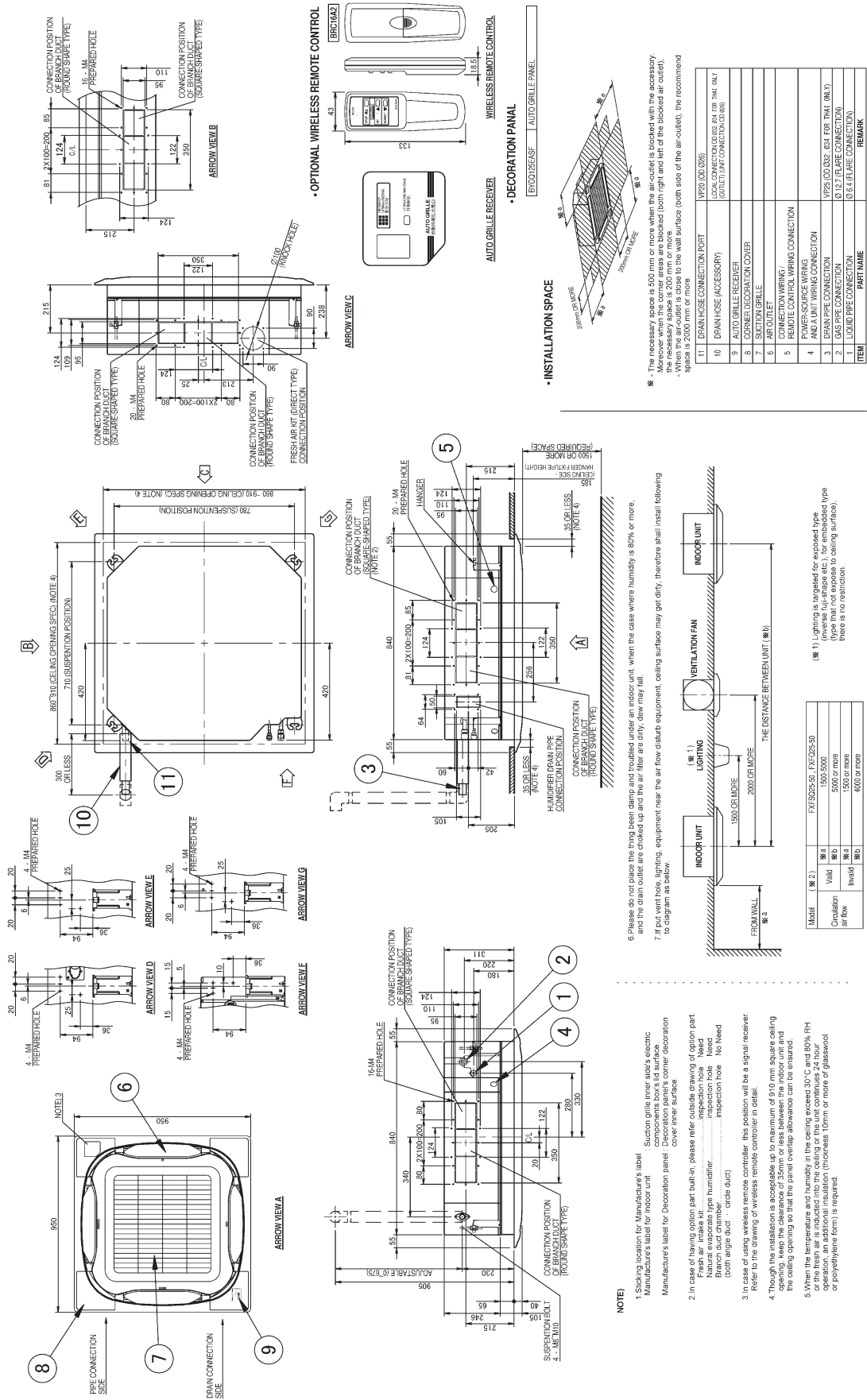
In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

Though the installation is acceptable up to maximum of 910 mm square ceiling opening, keep the clearance of 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 polyethylene form) is required.

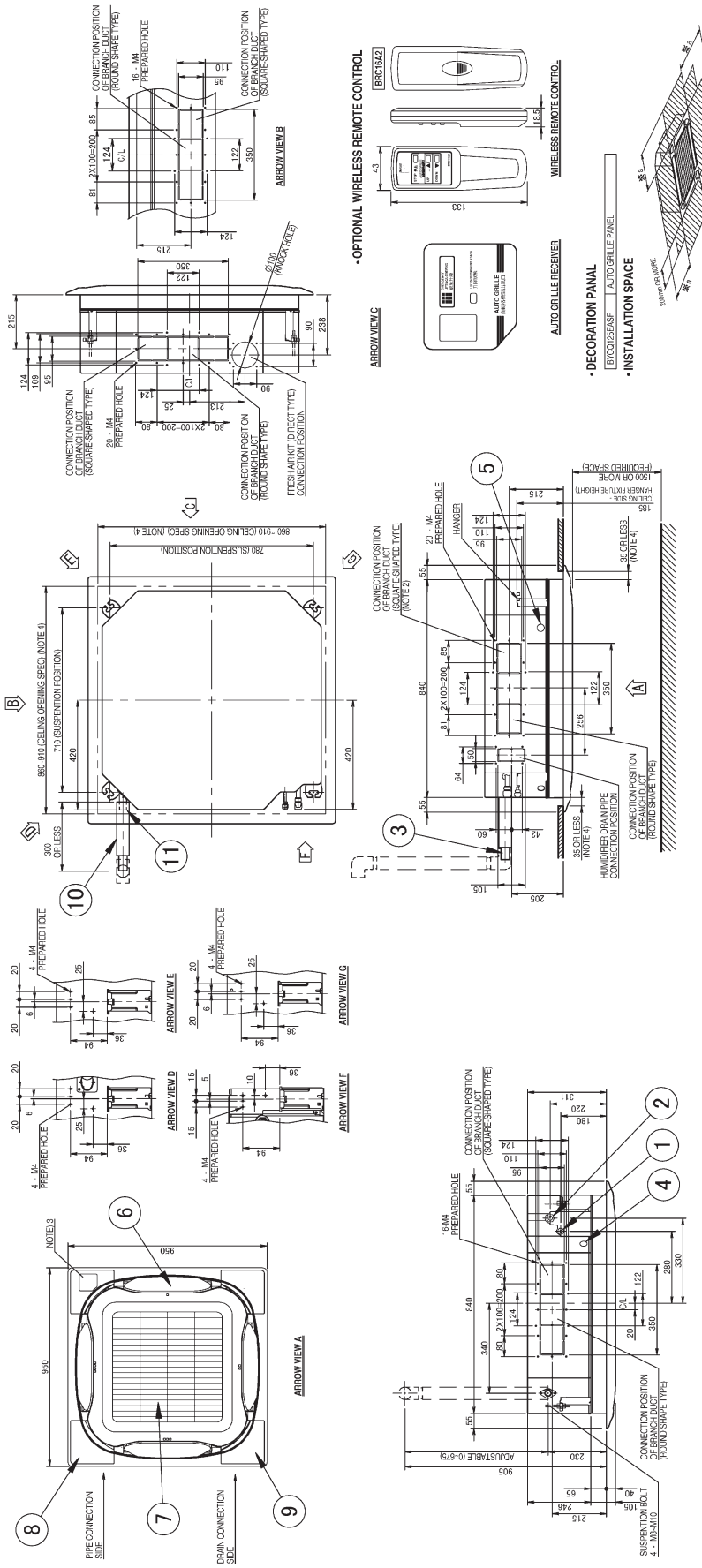
3.4 Auto Grille Panel
FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM

Unit: mm



FXFSQ63AVM / FXFSQ80AVM

Unit: mm



NOTE)

1. 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.
Fresh air intake kit (wireless remote control) : inspection hole (both angle duct) : circle duct
2. In case of having option part built-in, please refer outside drawing of option part.
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 polyurethane foam) is required.

6. Please do not place the thing been damp and touched under an indoor unit, when the case where humidity is 80% or more, and the drain outlet are choiced 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 LIGHTING VENTILATION FAN INDOOR UNIT

FROM WALL 1500 OR MORE 2000 OR MORE THE DISTANCE BETWEEN UNIT (※6)

Model	FXFSQ63-80	FXFSQ80
Valid	1500-2000	1500-2000
Condition of air flow	500 or more	500 or more
※1	500 or more	400 or more

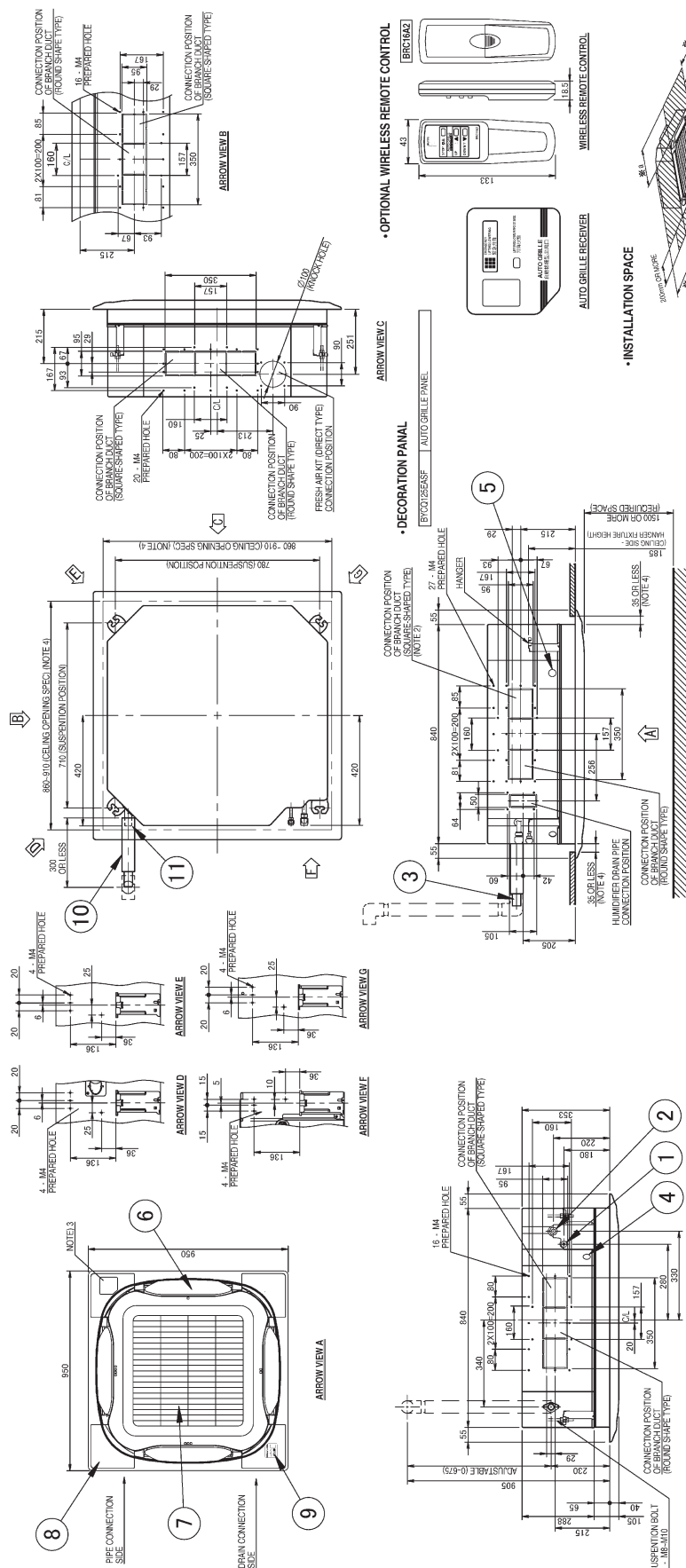
(※1) Lighting is targeted for exposed type (type that not expose to ceiling surface), there is no restriction.

PART NAME	PART NAME	REMARK
11	DRAIN HOSE CONNECTION PORT	VP20 (OD Ø26)
10	DRAIN HOSE (ACCESSORY)	LOCAL CONNECTION OR USE 844 FOR THAI ONLY (OUTLET LINE CONNECTION ONLY 486)
9	AUTO GRILLE RECEIVER	
8	CORNER DECORATION COVER	
7	SECTION GRILLE	
6	SECTION GRILLE	
5	REMOTE CONTROL WIRING CONNECTION	
4	POWER SOURCE WIRING AND A UNIT WIRING CONNECTION	
3	DRAIN PIPE CONNECTION	VP25 (OD Ø32 - 844 FOR THAI ONLY)
2	GAS PIPE CONNECTION	Ø 15.9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	Ø 9.5 (FLARE CONNECTION)

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FXFSQ100AVM / FXFSQ125AVM / FXFSQ140AVM

Unit: mm

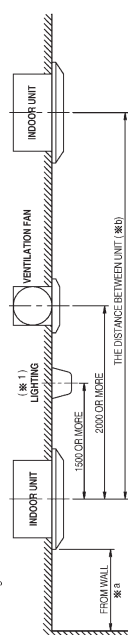


- * - The necessary space is 500 mm or more when the air-outlet is blocked with the accessory. Moreover when the corner areas are blocked (both right and left of the blocked air outlet), the necessary space is 200 mm or more.
- When the air-outlet is close to the wall surface (both side of the air-outlet),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

1	DRAIN HOSE CONNECTION	WP5 (0.028)
2	DRYER	
3	DRYER	
4	DRYER	
5	DRYER	
6	DRYER	
7	DRYER	
8	DRYER	
9	DRYER	
10	DRYER	
11	DRYER	
12	DRYER	
13	DRYER	
14	DRYER	
15	DRYER	
16	DRYER	
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91	DRYER	
92	DRYER	
93	DRYER	
94	DRYER	
95	DRYER	
96	DRYER	
97	DRYER	
98	DRYER	
99	DRYER	
100	DRYER	

...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	※a	FXFSQ100-140 FXFQ100-140
		Valid	1500-7000
		※b	7000 or more
		Invalid†	1500 or more

※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 apple duct + circle duct)		

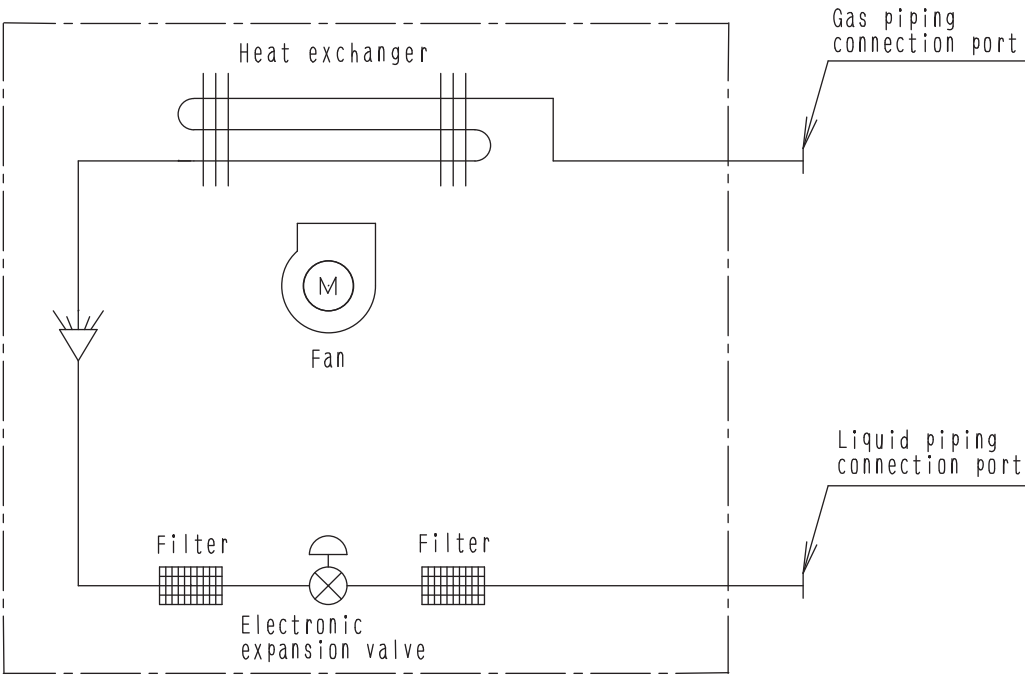
In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.

7. 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.

4. Piping Diagrams

FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM / FXFSQ63AVM / FXFSQ80AVM / FXFSQ100AVM / FXFSQ125AVM / FXFSQ140AVM



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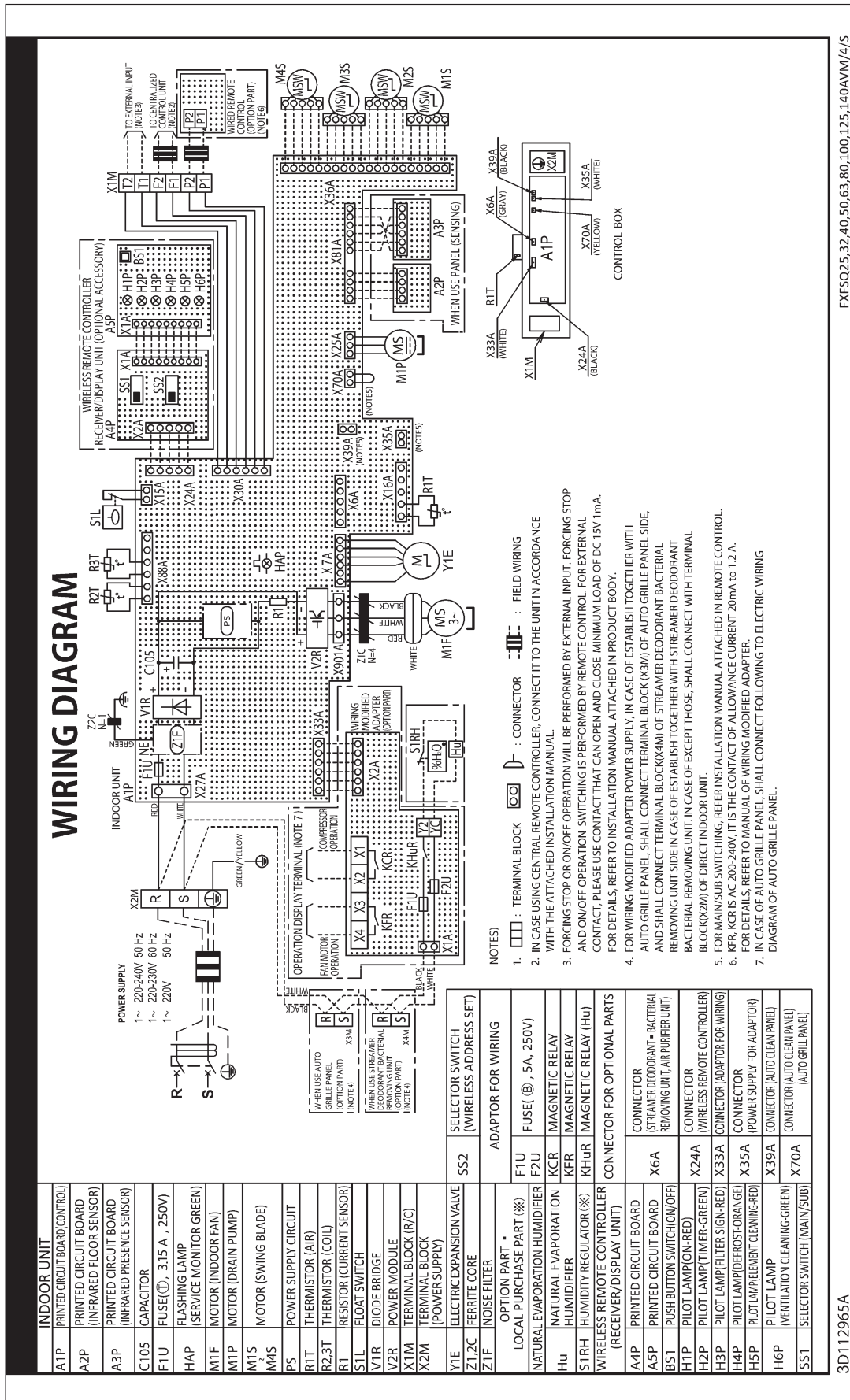
■ Refrigerant pipe connection port diameters

Model	Unit: mm	
	Gas	Liquid
FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM	φ12.7	φ6.4
FXFSQ63AVM / FXFSQ80AVM / FXFSQ100AVM / FXFSQ125AVM / FXFSQ140AVM	φ15.9	φ9.5

5. Wiring Diagrams

FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM / FXFSQ63AVM / FXFSQ80AVM / FXFSQ100AVM / FXFSQ125AVM / FXFSQ140AVM

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6. Electric Characteristics

FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM / FXFSQ63AVM / FXFSQ80AVM / FXFSQ100AVM / FXFSQ125AVM / FXFSQ140AVM

Model	Power supply					IFM		Input (W)	
	Hz	Volts	Voltage	MCA	MFA	kW	FLA	Cooling	Heating
FXFSQ25AVM/V4	50	220~240V	Max.264V Min.198V	0.3	16	0.053	0.2	28	26
FXFSQ32AVM/V4				0.3	16	0.053	0.2	28	26
FXFSQ40AVM/V4				0.4	16	0.053	0.3	35	34
FXFSQ50AVM/V4				0.6	16	0.053	0.5	56	56
FXFSQ63AVM/V4				0.6	16	0.053	0.5	61	60
FXFSQ80AVM/V4				1.0	16	0.053	0.8	92	92
FXFSQ100AVM/V4				1.4	16	0.106	1.1	164	144
FXFSQ125AVM/V4				1.6	16	0.106	1.3	170	159
FXFSQ140AVM/V4				1.8	16	0.106	1.4	194	183
FXFSQ25AVM	60	220~230V	Max.253V Min.198V	0.3	16	0.053	0.2	28	26
FXFSQ32AVM				0.3	16	0.053	0.2	28	26
FXFSQ40AVM				0.4	16	0.053	0.3	35	34
FXFSQ50AVM				0.6	16	0.053	0.5	56	56
FXFSQ63AVM				0.6	16	0.053	0.5	61	60
FXFSQ80AVM				1.0	16	0.053	0.8	92	92
FXFSQ100AVM				1.4	16	0.106	1.1	164	144
FXFSQ125AVM				1.6	16	0.106	1.3	170	159
FXFSQ140AVM				1.8	16	0.106	1.4	194	183
FXFSQ25AVS	50	220V	Max.242V Min.198V	0.3	16	0.053	0.2	28	26
FXFSQ32AVS				0.3	16	0.053	0.2	28	26
FXFSQ40AVS				0.4	16	0.053	0.3	35	34
FXFSQ50AVS				0.6	16	0.053	0.5	56	56
FXFSQ63AVS				0.6	16	0.053	0.5	61	60
FXFSQ80AVS				1.0	16	0.053	0.8	92	92
FXFSQ100AVS				1.4	16	0.106	1.1	164	144
FXFSQ125AVS				1.6	16	0.106	1.3	170	159
FXFSQ140AVS				1.8	16	0.106	1.4	194	183
FXFSQ25AVMG	60	220~230V	Max.253V Min.198V	0.6	16	0.053	0.5	56	56
FXFSQ40AVMG				0.6	16	0.053	0.5	56	56
FXFSQ25AVMG	50	220~240V	Max.264V Min.198V	0.6	16	0.053	0.5	56	56
FXFSQ40AVMG				0.6	16	0.053	0.5	56	56

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	FXFSQ25AVM	FXFSQ32AVM	FXFSQ40AVM
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	FXFSQ50AVM	FXFSQ63AVM	FXFSQ80AVM
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	FXFSQ100AVM	FXFSQ125AVM	FXFSQ140AVM
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
FXFSQ25AVM	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
FXFSQ32AVM	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
FXFSQ40AVM	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
FXFSQ50AVM	50	4.9	5.0	5.3	5.4	5.5	5.4	5.6	5.0	5.7	4.9	5.8	4.5	5.9	4.1
FXFSQ63AVM	63	6.3	6.1	6.7	6.4	7.0	6.5	7.1	6.0	7.2	5.8	7.3	5.6	7.5	5.2
FXFSQ80AVM	80	7.9	7.1	8.5	7.5	8.8	7.6	9.0	7.0	9.1	6.9	9.3	6.6	9.5	6.2
FXFSQ100AVM	100	9.9	9.2	10.5	9.6	11.0	9.8	11.2	9.0	11.3	8.8	11.6	8.5	11.8	8.2
FXFSQ125AVM	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	9.5
FXFSQ140AVM	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
FXFSQ25AVM	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
FXFSQ32AVM	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
FXFSQ40AVM	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
FXFSQ50AVM	50	3.8	3.8	4.5	4.5	5.2	4.9	5.6	5.0	5.7	4.9	5.8	4.5	5.9	4.1
FXFSQ63AVM	63	4.8	4.6	5.7	5.3	6.6	5.9	7.1	6.0	7.2	5.8	7.4	5.6	7.5	5.2
FXFSQ80AVM	80	6.1	5.4	7.2	6.2	8.4	6.9	9.0	7.0	9.1	6.9	9.3	6.6	9.5	6.2
FXFSQ100AVM	100	7.6	7.0	9.0	8.0	10.5	8.9	11.2	9.0	11.3	8.8	11.6	8.5	11.9	8.2
FXFSQ125AVM	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	9.6
FXFSQ140AVM	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

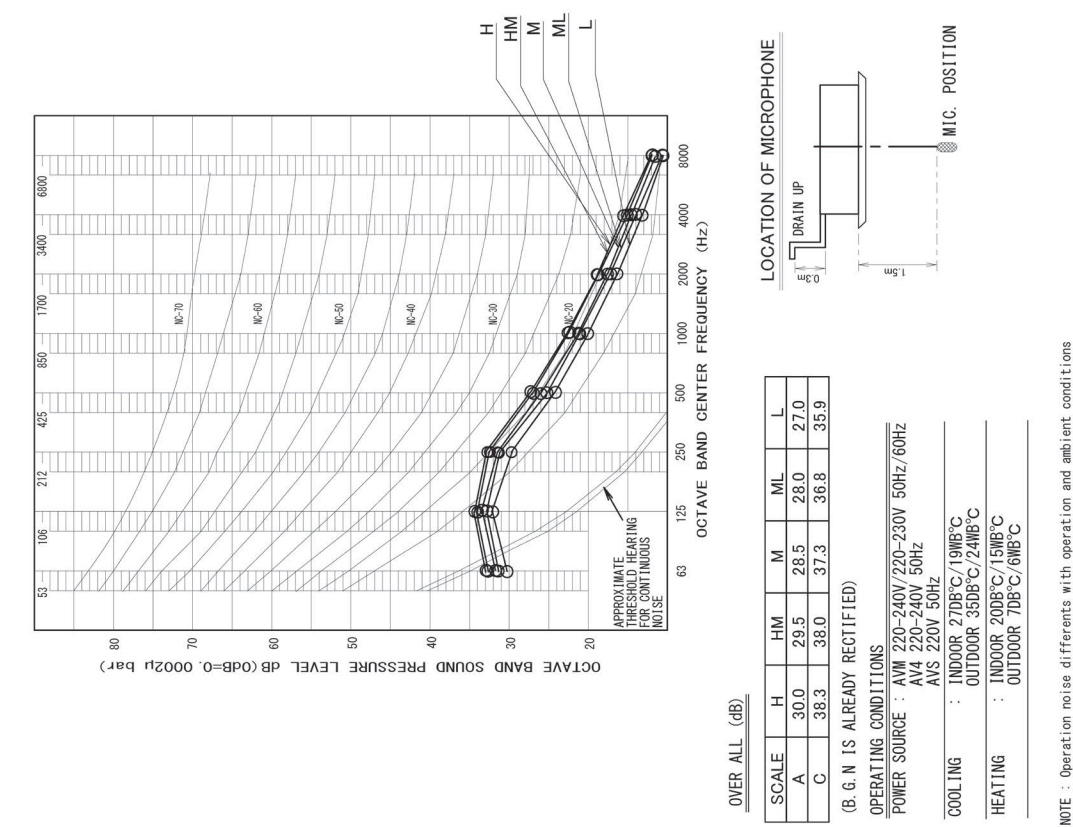
Model	Capacity indication	Indoor air temp.					
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB
		kW	kW	kW	kW	kW	kW
FXFSQ25AVM	25	3.4	3.2	3.2	3.1	3.0	2.8
FXFSQ32AVM	32	4.2	4.2	4.0	3.9	3.7	3.5
FXFSQ40AVM	40	5.2	5.2	5.0	4.8	4.7	4.4
FXFSQ50AVM	50	6.6	6.6	6.3	6.1	5.9	5.5
FXFSQ63AVM	63	8.4	8.4	8.0	7.7	7.5	7.0
FXFSQ80AVM	80	10.5	10.5	10.0	9.7	9.4	8.7
FXFSQ100AVM	100	13.1	13.1	12.5	12.1	11.7	10.9
FXFSQ125AVM	125	16.8	16.8	16.0	15.5	15.0	13.9
FXFSQ140AVM	140	16.8	16.8	16.0	15.5	15.0	13.9

Notes:

1. 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.
2. ☐ shows rated condition.

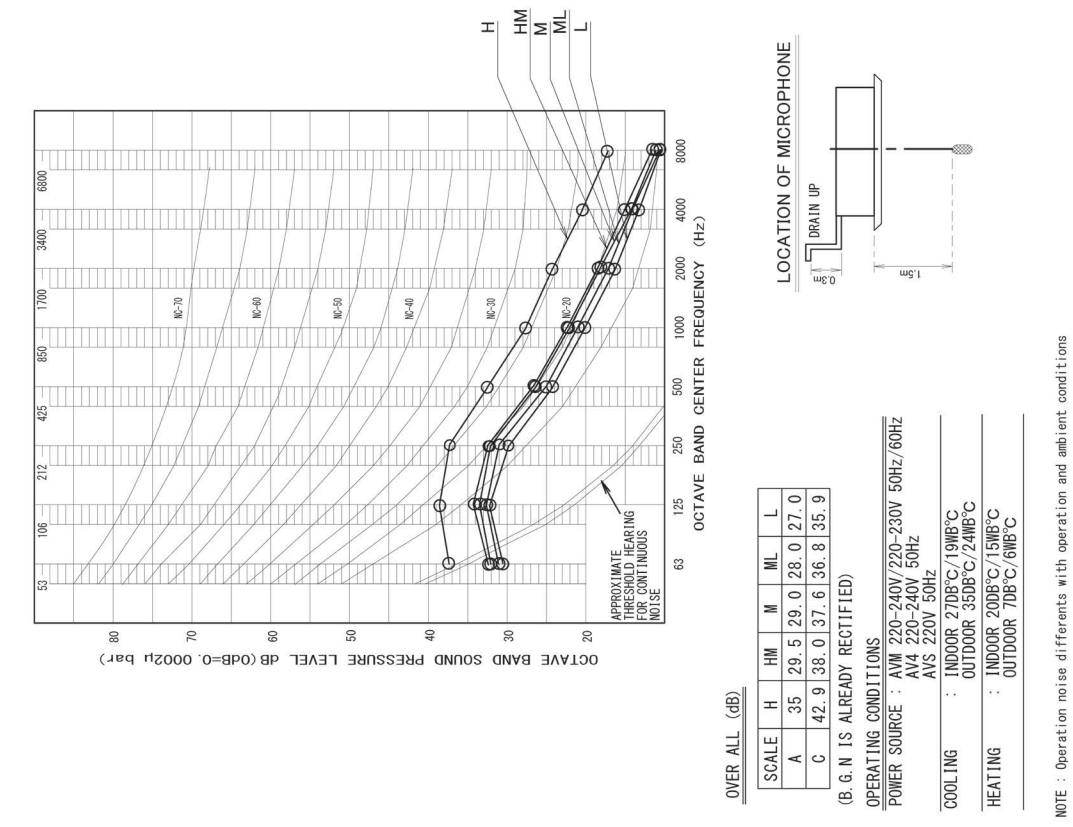
9. Sound Levels

FXFSQ25AVM / FXFSQ32AVM



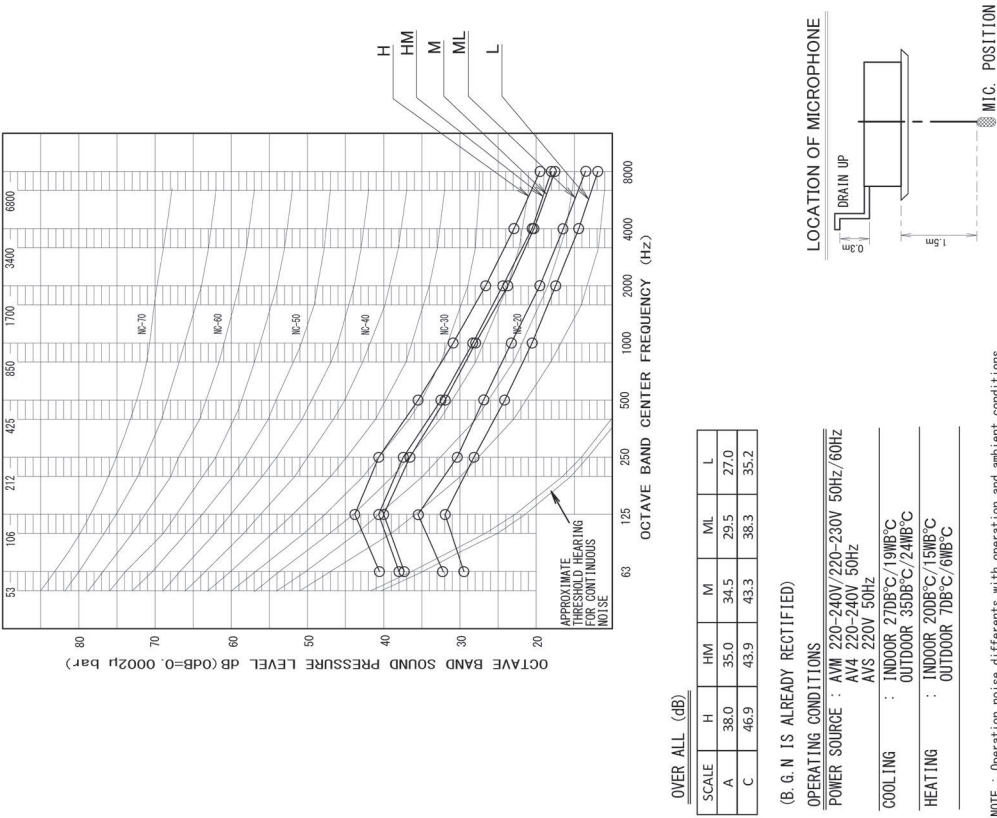
4D112880A

FXFSQ40AVM



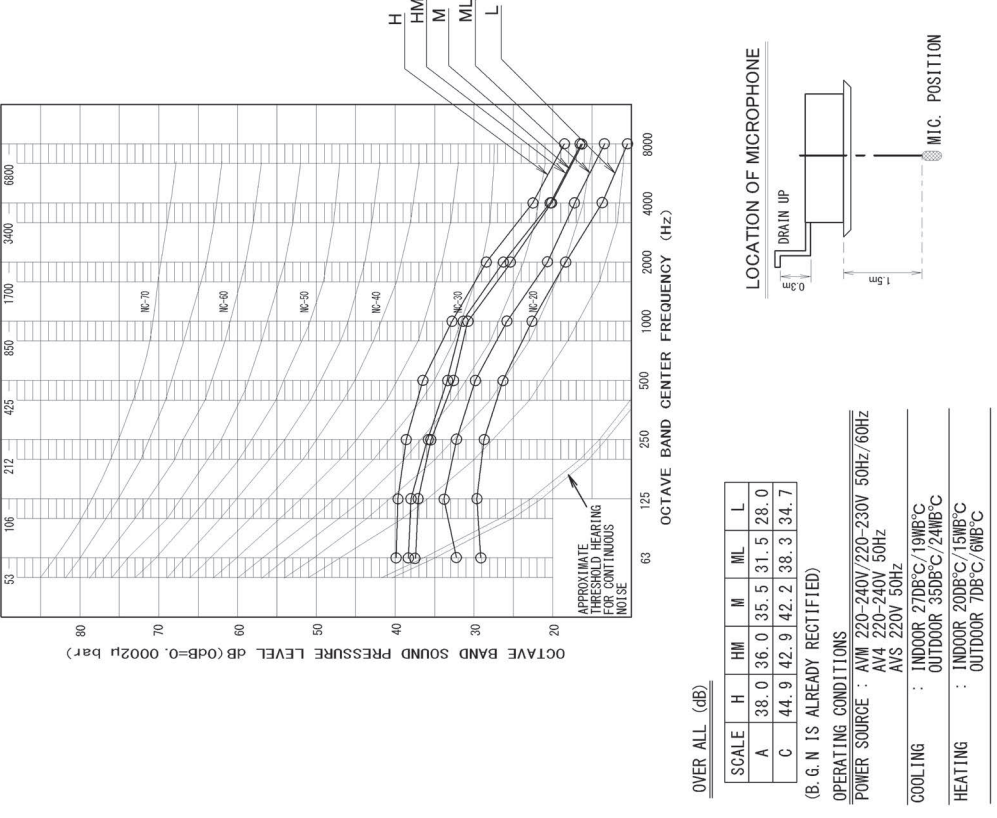
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FXFSQ50AVM



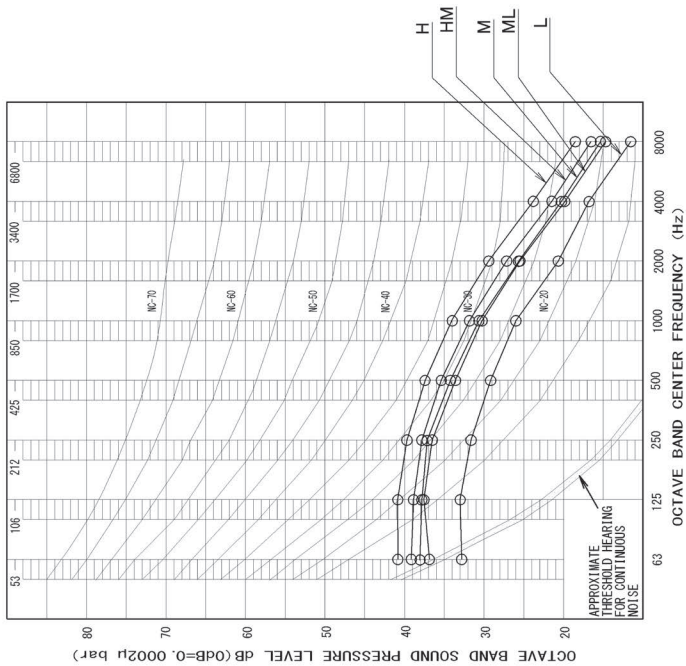
4D112898A

FXFSQ63AVM



4D112879B

FXFSQ80AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	39.0	37.0	36.0	35.5	31.0
C	45.9	44.1	43.0	42.8	37.9

(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

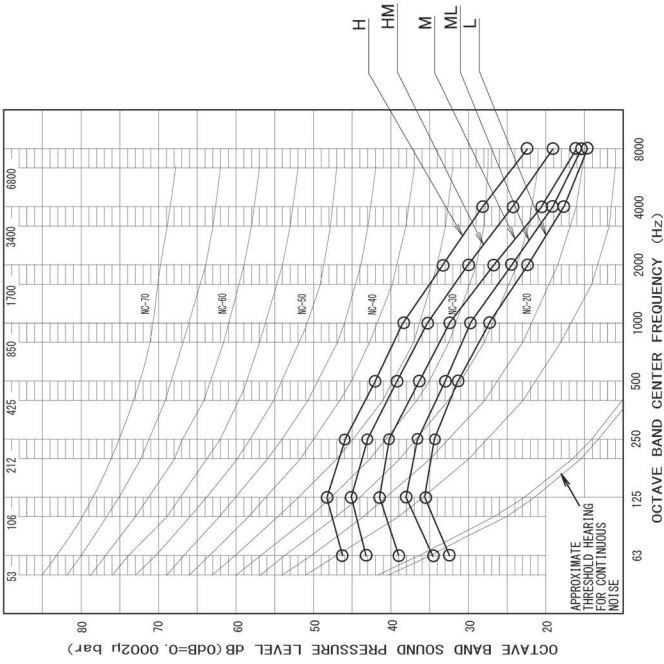
HEATING : INDOOR 20DB°C/15WB°C
OUTDOOR 7DB°C/6WB°C

LOCATION OF MICROPHONE

NOTE : Operation noise differs with operation and ambient conditions

4D112878B

FXFSQ100AVM



OVER ALL (dB)

SCALE	H	HM	M	ML	L
A	44.0	41.0	38.0	35.0	33.0
C	52.2	49.1	45.8	42.2	39.9

(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

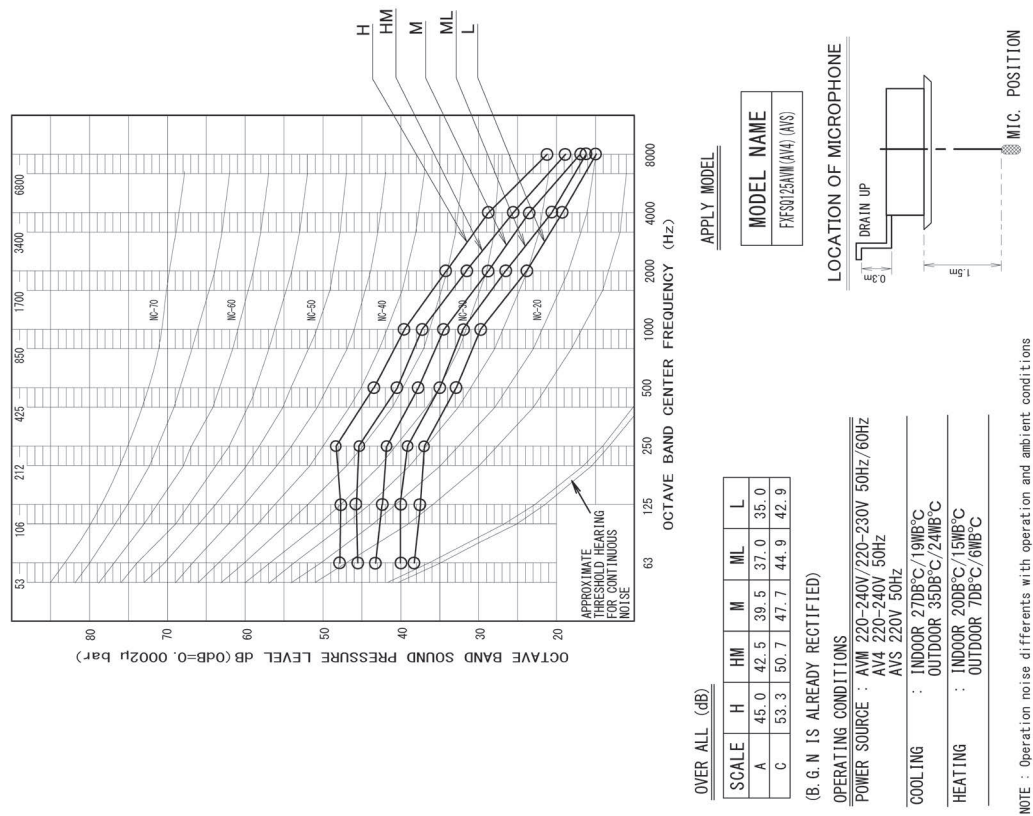
HEATING : INDOOR 20DB°C/15WB°C
OUTDOOR 7DB°C/6WB°C

LOCATION OF MICROPHONE

NOTE : Operation noise differs with operation and ambient conditions

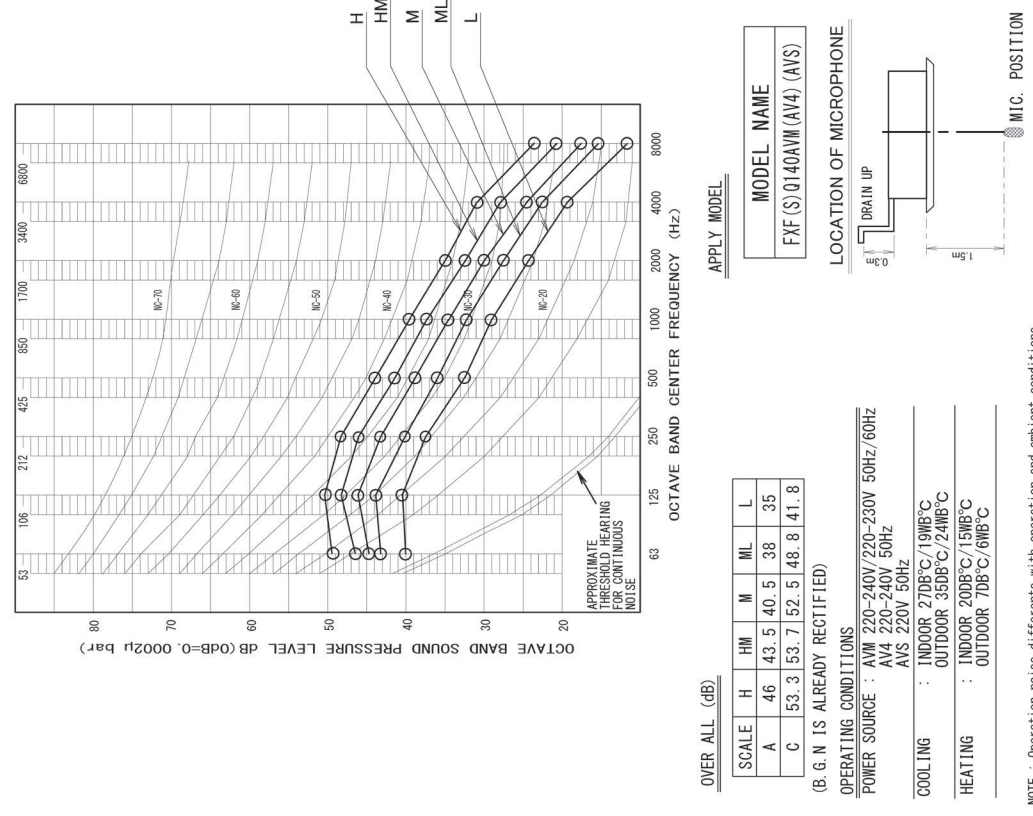
4D509733A

FXFSQ125AVM



4D509732A

FXFSQ140AVM

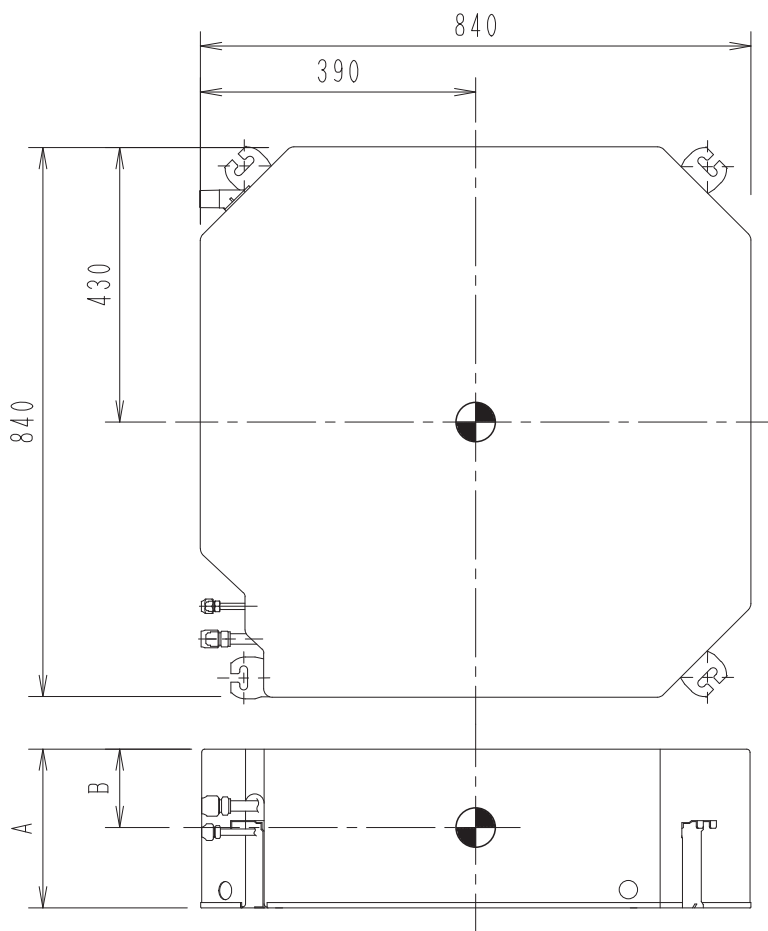


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10. Centre of Gravity

FXFSQ25AVM / FXFSQ32AVM / FXFSQ40AVM / FXFSQ50AVM / FXFSQ63AVM / FXFSQ80AVM /
FXFSQ100AVM / FXFSQ125AVM / FXFSQ140AVM

Unit: mm



適用機種名 MODEL NAME	A	B
FXYFP22~90MB, FXYFP28~90MC FXYFP22~90MD, FXYFP28~90MG FXYFP22~90B, FXYFP28~90BA FXYFP22~80C FFFQ25~80PVE(D) FFFQ25~80PAVD FHCXP22~90A, FHCXP28~90AM FHCXP22~90B, FHCXP28~90CB FFFQ25~80PVE FFFQ25~80LUV1, FFFQ25~80LV14 FFFQ25~80LV16 FFFQ25~80LV2S, FFFQ25~80SVM FFFQ50~80PAVET FXYFP22~80D, FXYFP28~80DA FXYFP22~112MJ, FXYFP28~112MK FHCXP56~90D FFF(S)Q25~80AVM(AV4)(AVS) FXYFA45~80A	246	90
FXYFP112~160MB, FXYFP112~160MC FXYFP112~160MD, FXYFP112~160MG FXYFP112~160B, FXYFP112~160BA FXYFP90~160C FFFQ100~125PVE(D) FFFQ100~125PAVD FHCXP112~160A, FHCXP112~160AM FHCXP112~160B, FHCXP112~160CB FFFQ100~125PVE FFFQ100~125LUV1, FFFQ100~125LV14 FFFQ100~125LV16 FFFQ100~125LV2S FFFQ100~125SVM FXYFP90~160D, FXYFP90~160DA FXYFP140~160MJ, FXYFP140~160MK FHCXP112~160D FFF(S)Q100~140AVM(AV4)(AVS) FXYFA112~140A	288	120