EDUS391503B-F4
202006

DAIKIN

Engineering Data

Ceiling Mounted Duct Type

FXMQ-PBVJU

60 Hz

R-410A

VRV

Table of Contents

1. Features and Benefits

The ceiling mounted DC Ducted unit is ideal for small to large spaces in need of a concealed air-conditioning system. Its compact design allows it to be completely concealed and makes it perfect for retail stores, classrooms, offices, banks, restaurants, shops and hotels.

- Models range from 0.6 up to 4.5 Ton
- Energy efficient thanks to the specially developed DC fan motor
- Ideal to use together with the optional Daikin Zoning Kit, DZK
- Configurable auxiliary heater control logic
- Advanced economizer control logic
- Enhanced indoor air quality and LEED ready with MERV 13 filter options
- Ease of installation with auto adjusting airflow at commissioning based on external static pressure
- Flexible ductwork design with ESP capabilities up to 0.8" W.G.
- Installation flexibility with a low profile, compact design at less than 12" in height
- Easy maintenance with complete service access from below
- Standard built-in drain pump increases flexibility and installation speed

2. Specifications

Ceiling mounted duct type

Model			FXMQ07PBVJU	FXMQ09PBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	7,200 (2.1)	9,500 (2.8)
★2, ★3 Heating capacity		Btu/h (kW)	8,500 (2.5)	10,500 (3.1)
Casing/Color			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	11-13/16 × 21-5/8 × 27-9/16 (300 × 550 × 700)	11-13/16 × 21-5/8 × 27-9/16 (300 × 550 × 700)
Coil (cross fin coil)	Rows × Stages × FPI		3 × 16 × 15	3 × 16 × 15
	Face area	ft² (m²)	1.05 (0.098)	1.05 (0.098)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	W	90	90
	Airflow rate (HH/H/L)	cfm (m³/min)	317/264/229 (9.0/7.5/6.5)	317/264/229 (9.0/7.5/6.5)
	External static pressure	in. H_2O (Pa)	Standard 0.20 (0.40-0.12 ★4) (50 (100-30))	Standard 0.20 (0.40-0.12 ★4) (50 (100-30))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Air filter			— ★5	— ★5
Drain up lift		in. (mm)	18-3/8 (467)	18-3/8 (467)
★6 Sound pressure level (reference data) (HH/H/L)		dBA	33.0/31.0/29.0	33.0/31.0/29.0
★6 Sound power level (reference data)		dB	56	56
Weight		lbs (kg)	55 (25)	55 (25)
Piping connections	Liquid pipes	in. (mm)	ϕ1/4 (ϕ6.4) (flare connection)	ϕ1/4 (ϕ6.4) (flare connection)
	Gas pipes	in. (mm)	ϕ1/2 (ϕ12.7) (flare connection)	ϕ1/2 (ϕ12.7) (flare connection)
	Drain pipe	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))
Safety devices			Fuse, Fan driver overload protector	Fuse, Fan driver overload protector
Refrigerant control			Electronic expansion valve	Electronic expansion valve
Connectable outdoor unit			R410A ***VRV*** series	R410A ***VRV*** series
Standard accessories			Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB)
Outdoor temperature: 95°FDB (35.0°CDB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★2. Nominal heating capacities are based on the following conditions:
Return air temperature: 70°FDB (21.1°CDB).
Outdoor temperature: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★4. External static pressure is changeable in 7 (FXMQ07, 09, 12PBVJU), 14 (FXMQ15, 18, 24, 30, 36, 48PBVJU), 10 (FXMQ54PBVJU) stages within the ( ) range by remote controller.

★5. Air filter is not standard accessory, but please mount it in the duct system of the suction side.
Select its dust collection efficiency (gravity method) 50% or more.

★6. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values may be higher as a result of installation conditions.

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Ceiling mounted duct type

Model			FXMQ12PBVJU	FXMQ15PBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	12,000 (3.5)	14,200 (4.2)
★2, ★3 Heating capacity		Btu/h (kW)	13,500 (4.0)	17,000 (5.0)
Casing/Color			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	11-13/16 × 27-9/16 × 27-9/16 (300 × 700 × 700)	11-13/16 × 39-3/8 × 27-9/16 (300 × 1,000 × 700)
Coil (cross fin coil)	Rows × Stages × FPI		3 × 16 × 15	3 × 16 × 15
	Face area	ft² (m²)	1.59 (0.148)	2.68 (0.249)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	W	140	350
	Airflow rate (HH/H/L)	cfm (m³/min)	450/410/388 (12.7/11.6/11.0)	560/530/500 (15.8/15.0/14.2)
	External static pressure	in. H_2O (Pa)	Standard 0.20 (0.40-0.12 ★4) (50 (100-30))	Standard 0.40 (0.80-0.20 ★4) (100 (200-50))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Air filter			— ★5	— ★5
Drain up lift		in. (mm)	18-3/8 (467)	18-3/8 (467)
★6 Sound pressure level (reference data) (HH/H/L)		dBA	39.0/37.0/35.0	40.0/38.0/37.0
★6 Sound power level (reference data)		dB	65	61
Weight		lbs (kg)	62 (28)	80 (36)
Piping connections	Liquid pipes	in. (mm)	ϕ1/4 (ϕ6.4) (flare connection)	ϕ1/4 (ϕ6.4) (flare connection)
	Gas pipes	in. (mm)	ϕ1/2 (ϕ12.7) (flare connection)	ϕ1/2 (ϕ12.7) (flare connection)
	Drain pipe	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))
Safety devices			Fuse, Fan driver overload protector	Fuse, Fan driver overload protector
Refrigerant control			Electronic expansion valve	Electronic expansion valve
Connectable outdoor unit			R410A ***VRV*** series	R410A ***VRV*** series
Standard accessories			Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB)
Outdoor temperature: 95°FDB (35.0°CDB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★2. Nominal heating capacities are based on the following conditions:
Return air temperature: 70°FDB (21.1°CDB).
Outdoor temperature: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★4. External static pressure is changeable in 7 (FXMQ07, 09, 12PBVJU), 14 (FXMQ15, 18, 24, 30, 36, 48PBVJU), 10 (FXMQ54PBVJU) stages within the ( ) range by remote controller.

★5. Air filter is not standard accessory, but please mount it in the duct system of the suction side.
Select its dust collection efficiency (gravity method) 50% or more.

★6. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values may be higher as a result of installation conditions.

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Ceiling mounted duct type

Model			FXMQ18PBVJU	FXMQ24PBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	18,000 (5.3)	24,000 (7.0)
★2, ★3 Heating capacity		Btu/h (kW)	20,000 (5.9)	27,000 (7.9)
Casing/Color			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	11-13/16 × 39-3/8 × 27-9/16 (300 × 1,000 × 700)	11-13/16 × 39-3/8 × 27-9/16 (300 × 1,000 × 700)
Coil (cross fin coil)	Rows × Stages × FPI		3 × 16 × 15	3 × 16 × 15
	Face area	ft² (m²)	2.68 (0.249)	2.68 (0.249)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	W	350	350
	Airflow rate (HH/H/L)	cfm (m³/min)	635/582/529 (18.0/16.5/15.0)	688/618/565 (19.5/17.5/16.0)
	External static pressure	in. H_2O (Pa)	Standard 0.40 (0.80-0.20 ★4) (100 (200-50))	Standard 0.40 (0.80-0.20 ★4) (100 (200-50))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Air filter			— ★5	— ★5
Drain up lift		in. (mm)	18-3/8 (467)	18-3/8 (467)
★6 Sound pressure level (reference data) (HH/H/L)		dBA	41.0/39.0/37.0	42.0/40.0/38.0
★6 Sound power level (reference data)		dB	61	64
Weight		lbs (kg)	80 (36)	80 (36)
Piping connections	Liquid pipes	in. (mm)	ϕ1/4 (ϕ6.4) (flare connection)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas pipes	in. (mm)	ϕ1/2 (ϕ12.7) (flare connection)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain pipe	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))
Safety devices			Fuse, Fan driver overload protector	Fuse, Fan driver overload protector
Refrigerant control			Electronic expansion valve	Electronic expansion valve
Connectable outdoor unit			R410A ***VRV*** series	R410A ***VRV*** series
Standard accessories			Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB)
Outdoor temperature: 95°FDB (35.0°CDB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★2. Nominal heating capacities are based on the following conditions:
Return air temperature: 70°FDB (21.1°CDB).
Outdoor temperature: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★4. External static pressure is changeable in 7 (FXMQ07, 09, 12PBVJU), 14 (FXMQ15, 18, 24, 30, 36, 48PBVJU), 10 (FXMQ54PBVJU) stages within the ( ) range by remote controller.

★5. Air filter is not standard accessory, but please mount it in the duct system of the suction side.
Select its dust collection efficiency (gravity method) 50% or more.

★6. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values may be higher as a result of installation conditions.

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Ceiling mounted duct type

Model			FXMQ30PBVJU	FXMQ36PBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	30,000 (8.8)	36,000 (10.6)
★2, ★3 Heating capacity		Btu/h (kW)	34,000 (10.0)	40,000 (11.7)
Casing/Color			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	11-13/16 × 55-1/8 × 27-9/16 (300 × 1,400 × 700)	11-13/16 × 55-1/8 × 27-9/16 (300 × 1,400 × 700)
Coil (cross fin coil)	Rows × Stages × FPI		3 × 16 × 15	3 × 16 × 15
	Face area	ft² (m²)	4.12 (0.383)	4.12 (0.383)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	W	350	350
	Airflow rate (HH/H/L)	cfm (m³/min)	1,094/953/812 (31.0/27.0/23.0)	1,130/953/812 (32.0/27.0/23.0)
	External static pressure	in. H_2O (Pa)	Standard 0.40 (0.80-0.20 ★4) (100 (200-50))	Standard 0.40 (0.80-0.20 ★4) (100 (200-50))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Air filter			— ★5	— ★5
Drain up lift		in. (mm)	18-3/8 (467)	18-3/8 (467)
★6 Sound pressure level (reference data) (HH/H/L)		dBA	43.0/41.0/39.0	43.0/41.0/39.0
★6 Sound power level (reference data)		dB	65	65
Weight		lbs (kg)	102 (46)	102 (46)
Piping connections	Liquid pipes	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas pipes	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain pipe	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))
Safety devices			Fuse, Fan driver overload protector	Fuse, Fan driver overload protector
Refrigerant control			Electronic expansion valve	Electronic expansion valve
Connectable outdoor unit			R410A ***VRV*** series	R410A ***VRV*** series
Standard accessories			Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB)
Outdoor temperature: 95°FDB (35.0°CDB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★2. Nominal heating capacities are based on the following conditions:
Return air temperature: 70°FDB (21.1°CDB).
Outdoor temperature: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★4. External static pressure is changeable in 7 (FXMQ07, 09, 12PBVJU), 14 (FXMQ15, 18, 24, 30, 36, 48PBVJU), 10 (FXMQ54PBVJU) stages within the ( ) range by remote controller.

★5. Air filter is not standard accessory, but please mount it in the duct system of the suction side.
Select its dust collection efficiency (gravity method) 50% or more.

★6. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values may be higher as a result of installation conditions.

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Ceiling mounted duct type

Model			FXMQ48PBVJU	FXMQ54PBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	48,000 (14.1)	54,000 (15.8)
★2, ★3 Heating capacity		Btu/h (kW)	54,000 (15.8)	60,000 (17.6)
Casing/Color			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	11-13/16 × 55-1/8 × 27-9/16 (300 × 1,400 × 700)	11-13/16 × 55-1/8 × 27-9/16 (300 × 1,400 × 700)
Coil (cross fin coil)	Rows × Stages × FPI		3 × 16 × 15	3 × 16 × 17
	Face area	ft² (m²)	4.12 (0.383)	4.12 (0.383)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	W	350	350
	Airflow rate (HH/H/L)	cfm (m³/min)	1,377/1,165/988 (39.0/33.0/28.0)	1,624/1,377/1,130 (46.0/39.0/32.0)
	External static pressure	in. H_2O (Pa)	Standard 0.40 (0.80-0.20 ★4) (100 (200-50))	Standard 0.40 (0.56-0.20 ★4) (100 (140-50))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Air filter			— ★5	— ★5
Drain up lift		in. (mm)	18-3/8 (467)	18-3/8 (467)
★6 Sound pressure level (reference data) (HH/H/L)		dBA	44.0/42.0/40.0	46.0/45.0/43.0
★6 Sound power level (reference data)		dB	70	75
Weight		lbs (kg)	102 (46)	104 (47)
Piping connections	Liquid pipes	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas pipes	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain pipe	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))
Safety devices			Fuse, Fan driver overload protector	Fuse, Fan driver overload protector
Refrigerant control			Electronic expansion valve	Electronic expansion valve
Connectable outdoor unit			R410A ***VRV*** series	R410A ***VRV*** series
Standard accessories			Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB)
Outdoor temperature: 95°FDB (35.0°CDB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★2. Nominal heating capacities are based on the following conditions:
Return air temperature: 70°FDB (21.1°CDB).
Outdoor temperature: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB)
Equivalent refrigerant piping length: 25 ft (7.6 m) (horizontal)

★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★4. External static pressure is changeable in 7 (FXMQ07, 09, 12PBVJU), 14 (FXMQ15, 18, 24, 30, 36, 48PBVJU), 10 (FXMQ54PBVJU) stages within the ( ) range by remote controller.

★5. Air filter is not standard accessory, but please mount it in the duct system of the suction side.
Select its dust collection efficiency (gravity method) 50% or more.

★6. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values may be higher as a result of installation conditions.

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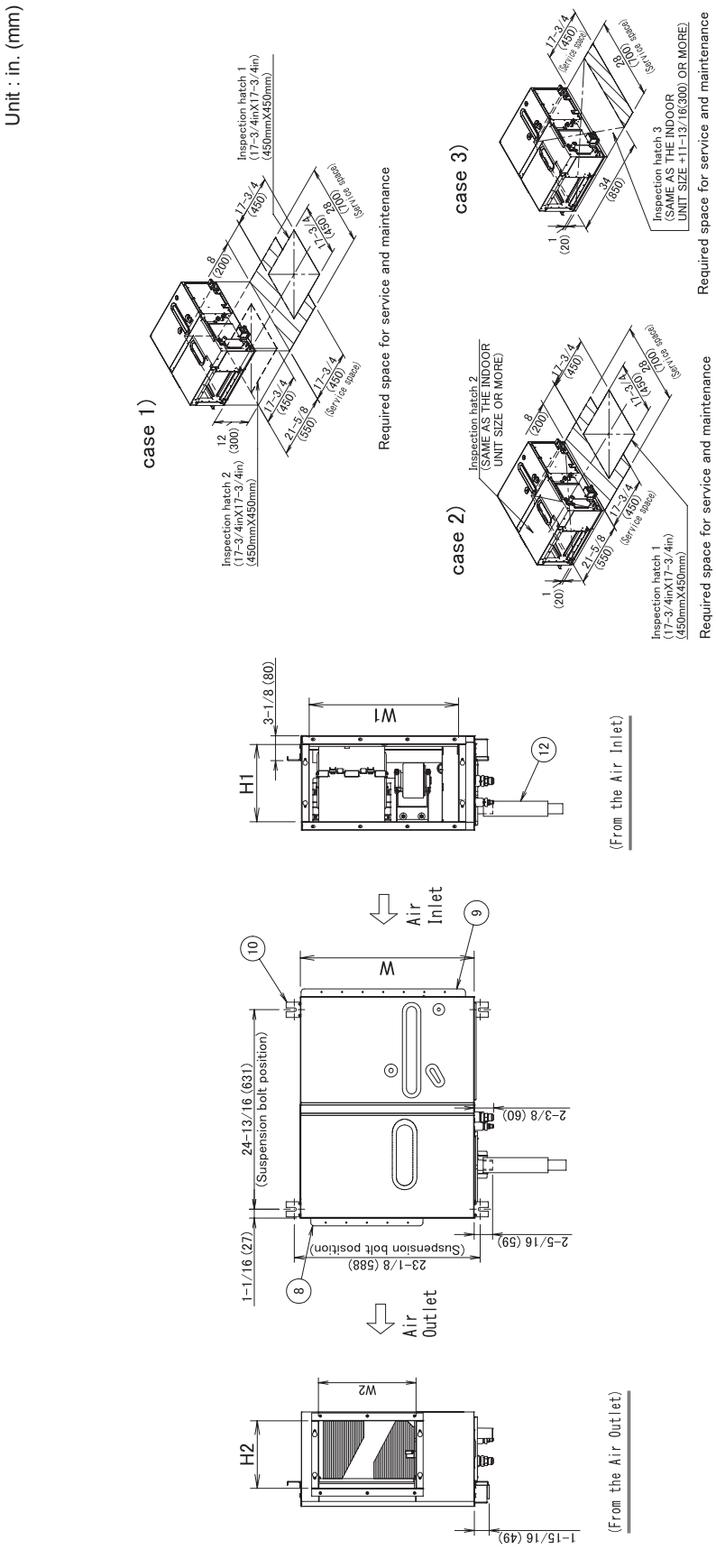
3. Simplified Dimensions

FXMQ07-09PBVJU



H		11-13/16 (300)
W		21-5/8 (550)
D		27-9/16 (700)
Air Inlet	H1	9-3/4 (247)
	W1	18-11/16 (475)
Air Outlet	H2	8-7/16 (215)
	W2	12-3/16 (310)

ITEM	PART NAME	REMARK
12	Drain hose(Accessory)	O.D.φ1-1/4(φ32)(Outlet)
11	Socket(For maintenance)	VP25(O.D.φ1-1/4(φ32),I.D.φ1(φ25))
10	Hanger	For M10
9	Air Inlet flange	
8	Air Outlet flange	
7	Power supply connection	
6	Transmission wiring connection	
5	Control box(Inside)	
4	Ground terminal(Terminal in Control box)	M4
3	Drain pipe connection	VP25(O.D.φ1-1/4(φ32),I.D.φ1(φ25))
2	Gas pipe connection	φ1/2(φ12.7) flare connection
1	Liquid pipe connection	φ1/4(φ6.4) flare connection

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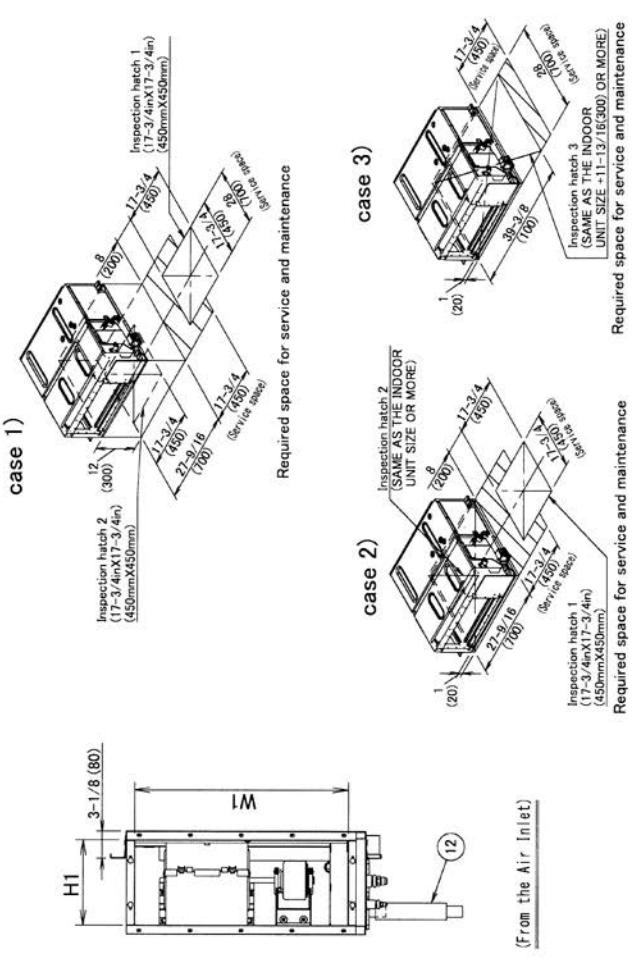
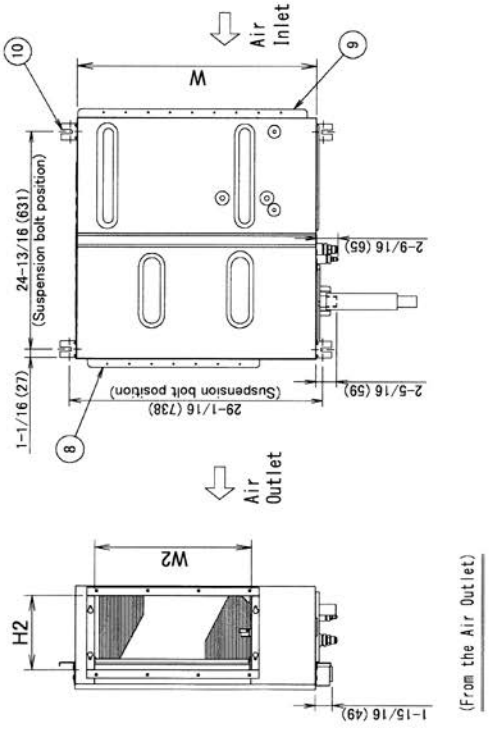
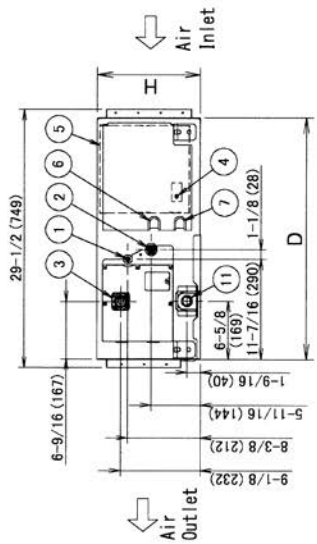
FXMQ12PBVJU

Unit : in. (mm)







H		11-13/16 (300)
W		27-9/16 (700)
D		27-9/16 (700)
Air Inlet	H1	9-3/4 (247)
	W1	24-5/8 (625)
Air Outlet	H2	8-7/16 (215)
	W2	18-1/8 (460)

ITEM	PART NAME	REMARK
12	Drain hose(Accessory)	O.D. φ1-1/4(φ32) (Outlet)
11	Socket(For maintenance)	VP25(O.D. φ1-1/4(φ32).I.D. φ1(φ25))
10	Hanger	For M10
9	Air Inlet flange	
8	Air Outlet flange	
7	Power supply connection	
6	Transmission wiring connection	
5	Control box(Inside)	
4	Ground terminal(Terminal in Control box)	M4
3	Drain pipe connection	VP25(O.D. φ1-1/4(φ32).I.D. φ1(φ25))
2	Gas pipe connection	φ1/2(φ12.7) flare connection
1	Liquid pipe connection	φ1/4(φ6.4) flare connection

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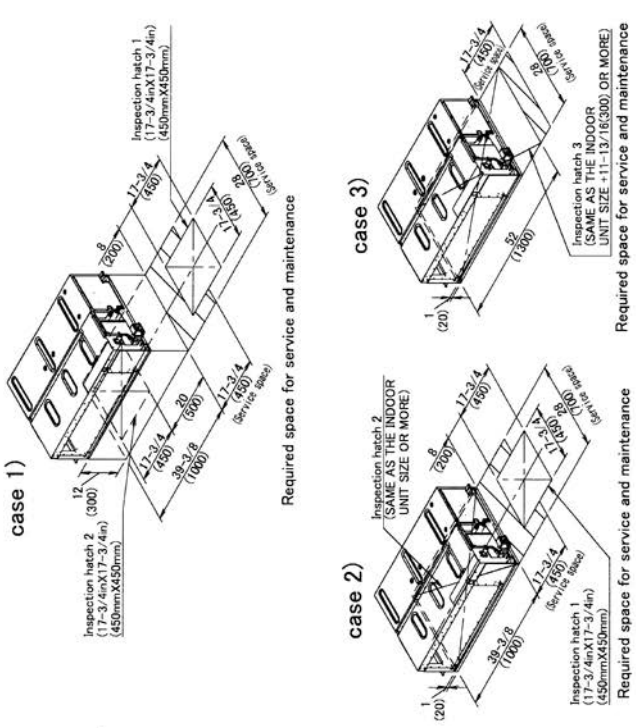
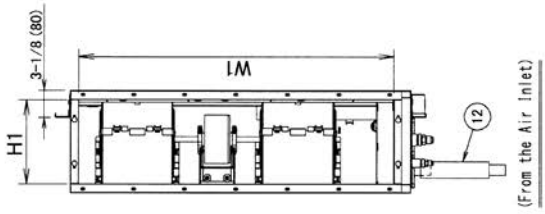
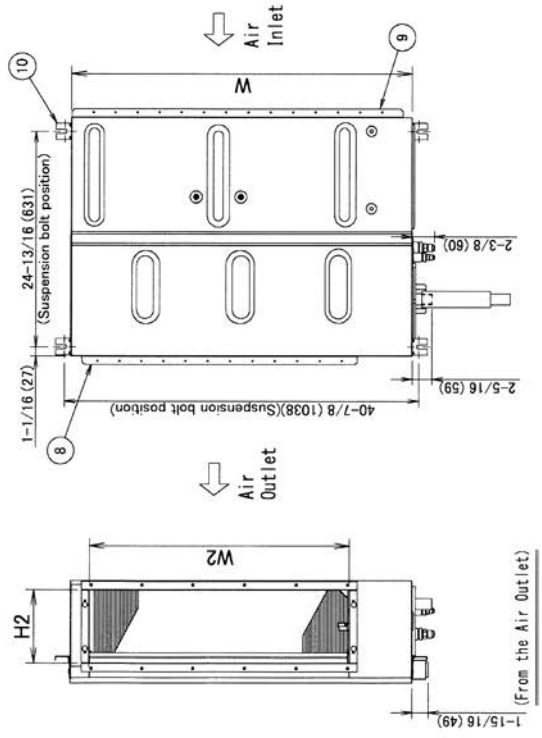
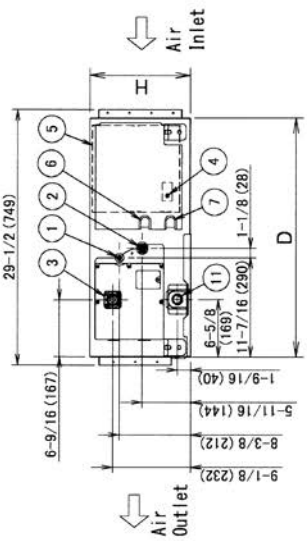
FXMQ15-18PBVJU

Unit : in. (mm)









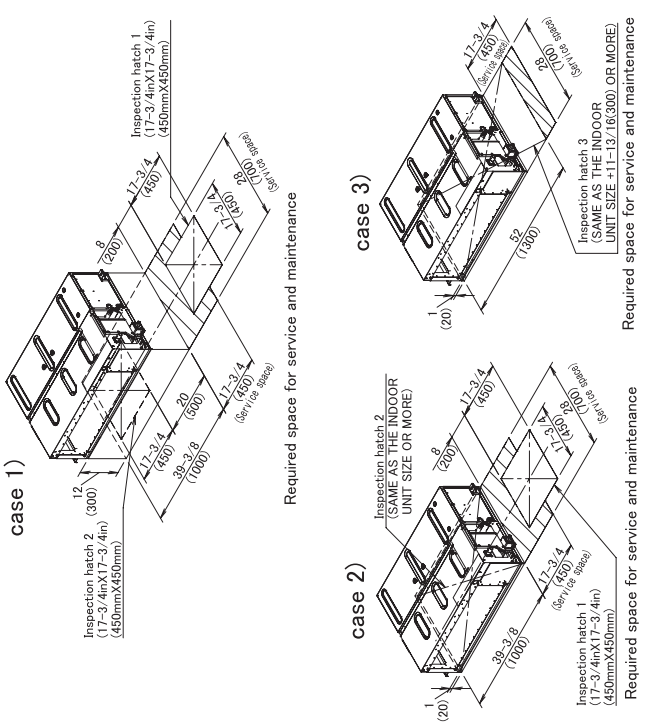
H		11-13/16 (300)
W		39-3/8 (1000)
D		27-9/16 (700)
Air Inlet	H1	9-3/4 (247)
	W1	36-7/16 (925)
Air Outlet	H2	8-7/16 (215)
	W2	29-15/16 (760)

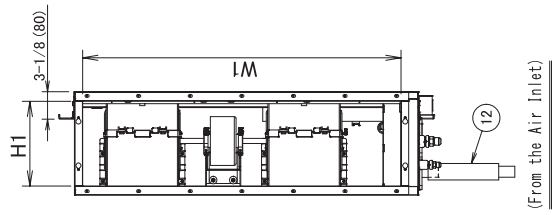
ITEM	PART NAME	REMARK
12	Drain hose(Accessory)	O.D. φ1-1/4(φ32) (Outlet)
11	Socket(For maintenance)	VP25(O.D. φ1-1/4(φ32). I.D. φ1(φ25))
10	Hanger	For M10
9	Air Inlet flange	
8	Air Outlet flange	
7	Power supply connection	
6	Transmission wiring connection	
5	Control box(Inside)	
4	Ground terminal(Terminal in Control box)	M4
3	Drain pipe connection	VP25(O.D. φ1-1/4(φ32). I.D. φ1(φ25))
2	Gas pipe connection	φ1/2(φ12.7) flare connection
1	Liquid pipe connection	φ1/4(φ6.4) flare connection

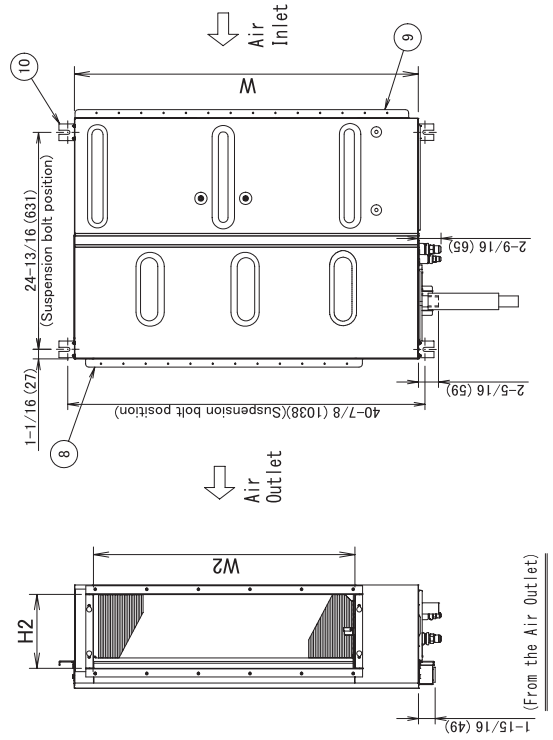
DFT5168143

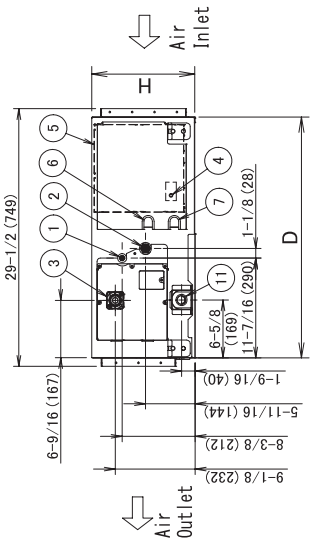
FXMQ24PBVJU

Unit : in. (mm)









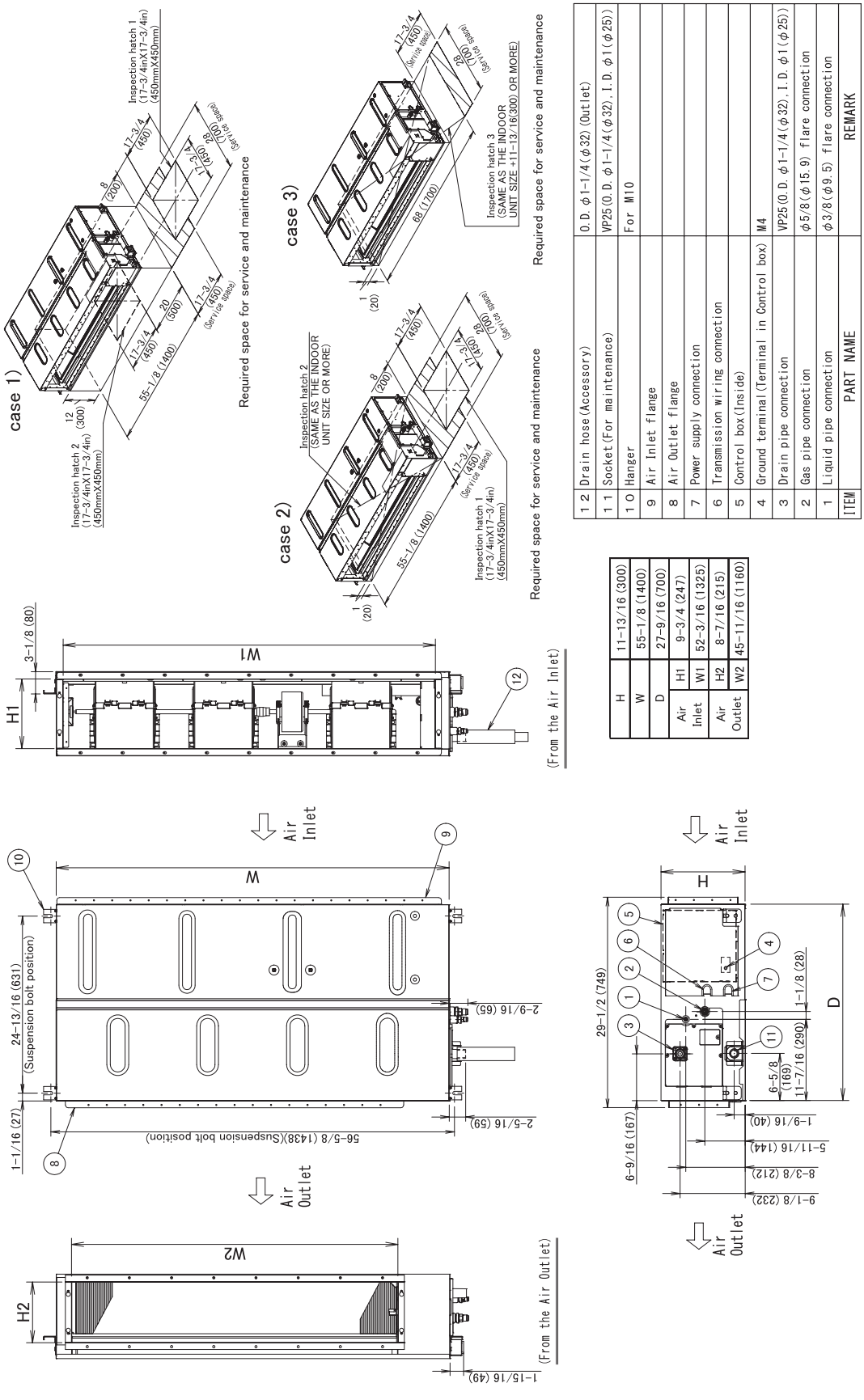
H		11-13/16 (300)
W		39-3/8 (1000)
D		27-9/16 (700)
Air Inlet	H1	9-3/4 (247)
	W1	36-7/16 (925)
Air Outlet	H2	8-7/16 (215)
	W2	29-15/16 (760)

ITEM	PART NAME	REMARK
12	Drain hose(Accessory)	O.D.φ1-1/4(φ32)(Outlet)
11	Socket(For maintenance)	VP25(O.D.φ1-1/4(φ32).I.D.φ1(φ25))
10	Hanger	For M10
9	Air Inlet flange	
8	Air Outlet flange	
7	Power supply connection	
6	Transmission wiring connection	
5	Control box(Inside)	
4	Ground terminal(Terminal in Control box)	M4
3	Drain pipe connection	VP25(O.D.φ1-1/4(φ32).I.D.φ1(φ25))
2	Gas pipe connection	φ5/8(φ15.9) flare connection
1	Liquid pipe connection	φ3/8(φ9.5) flare connection

DFT5181617

FXMQ30-54PBVJU

Unit : in. (mm)



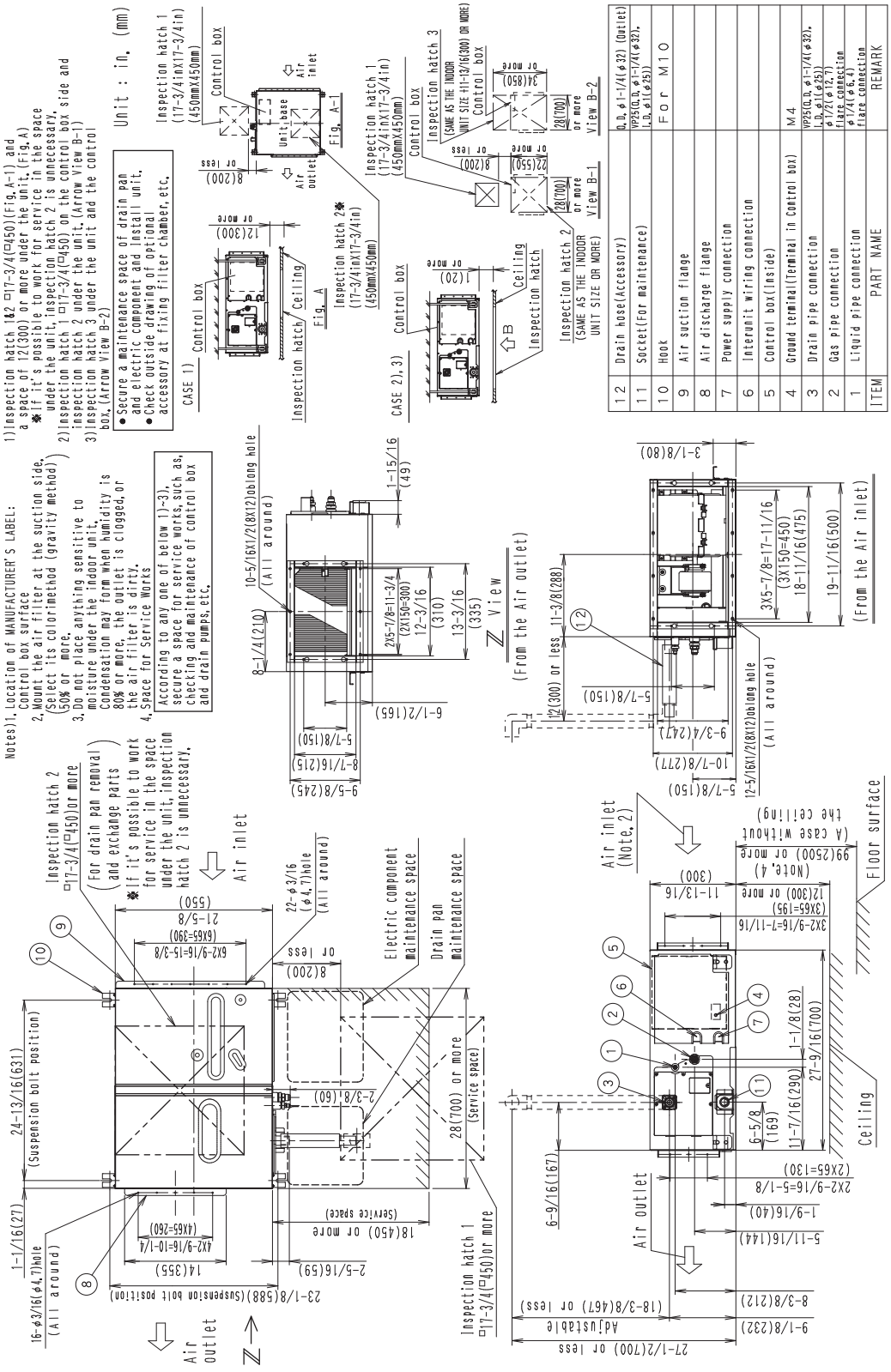
H		11-13/16 (300)	
W		55-1/8 (1400)	
D		27-9/16 (700)	
Air Inlet	H1	9-3/4 (247)	
	W1	52-3/16 (1325)	
Air Outlet	H2	8-7/16 (215)	
	W2	45-11/16 (1160)	

ITEM	PART NAME	REMARK
12	Drain hose(Accessory)	O.D.φ1-1/4(φ32)(Outlet)
11	Socket(For maintenance)	VP25(O.D.φ1-1/4(φ32).I.D.φ1(φ25))
10	Hanger	For M10
9	Air Inlet flange	
8	Air Outlet flange	
7	Power supply connection	
6	Transmission wiring connection	
5	Control box(Inside)	
4	Ground terminal(Terminal in Control box)	M4
3	Drain pipe connection	VP25(O.D.φ1-1/4(φ32).I.D.φ1(φ25))
2	Gas pipe connection	φ5/8(φ15.9) flare connection
1	Liquid pipe connection	φ3/8(φ9.5) flare connection

DFT5181447

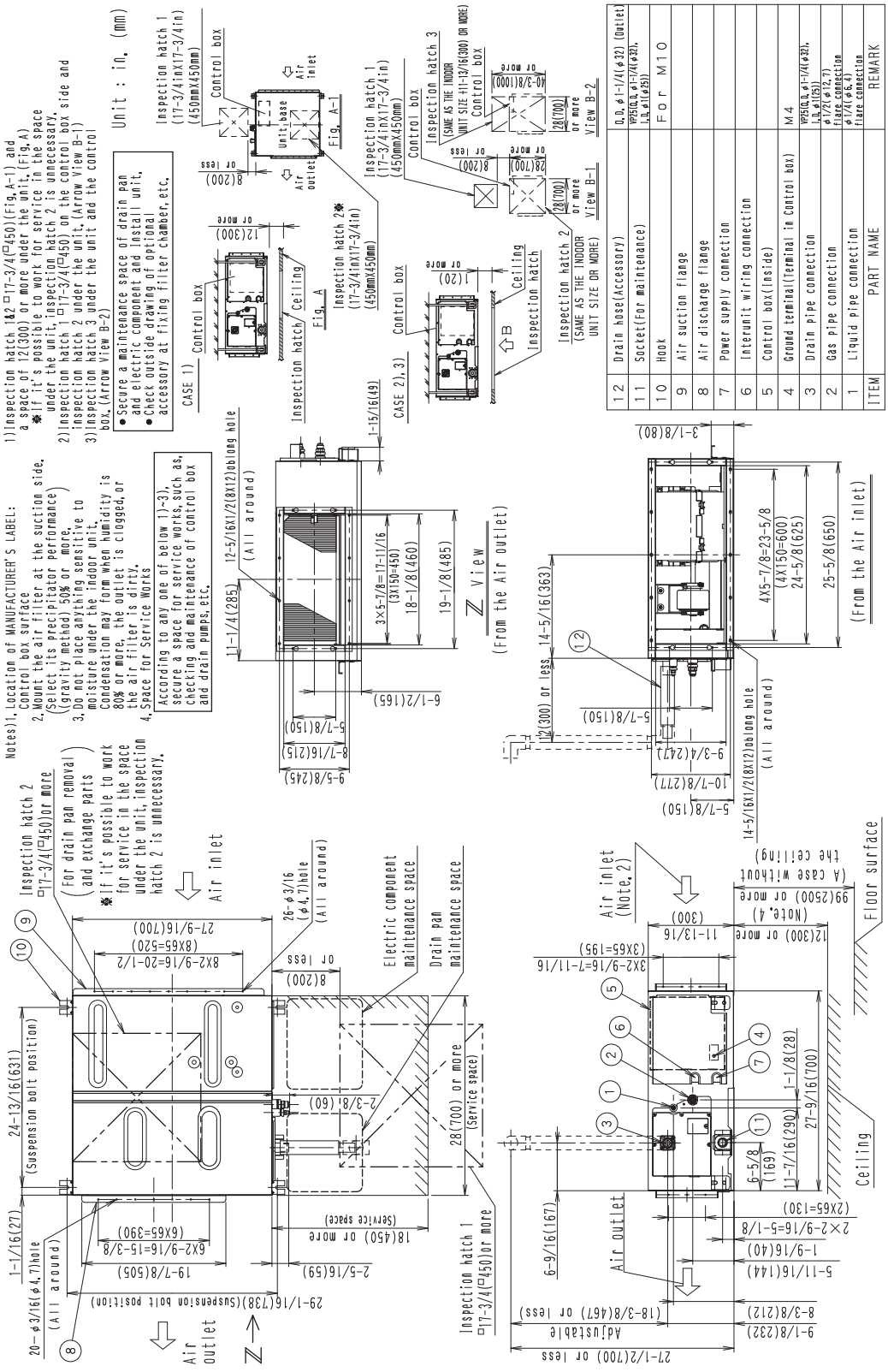
4. Dimensions

FXMQ07-09PBVJU



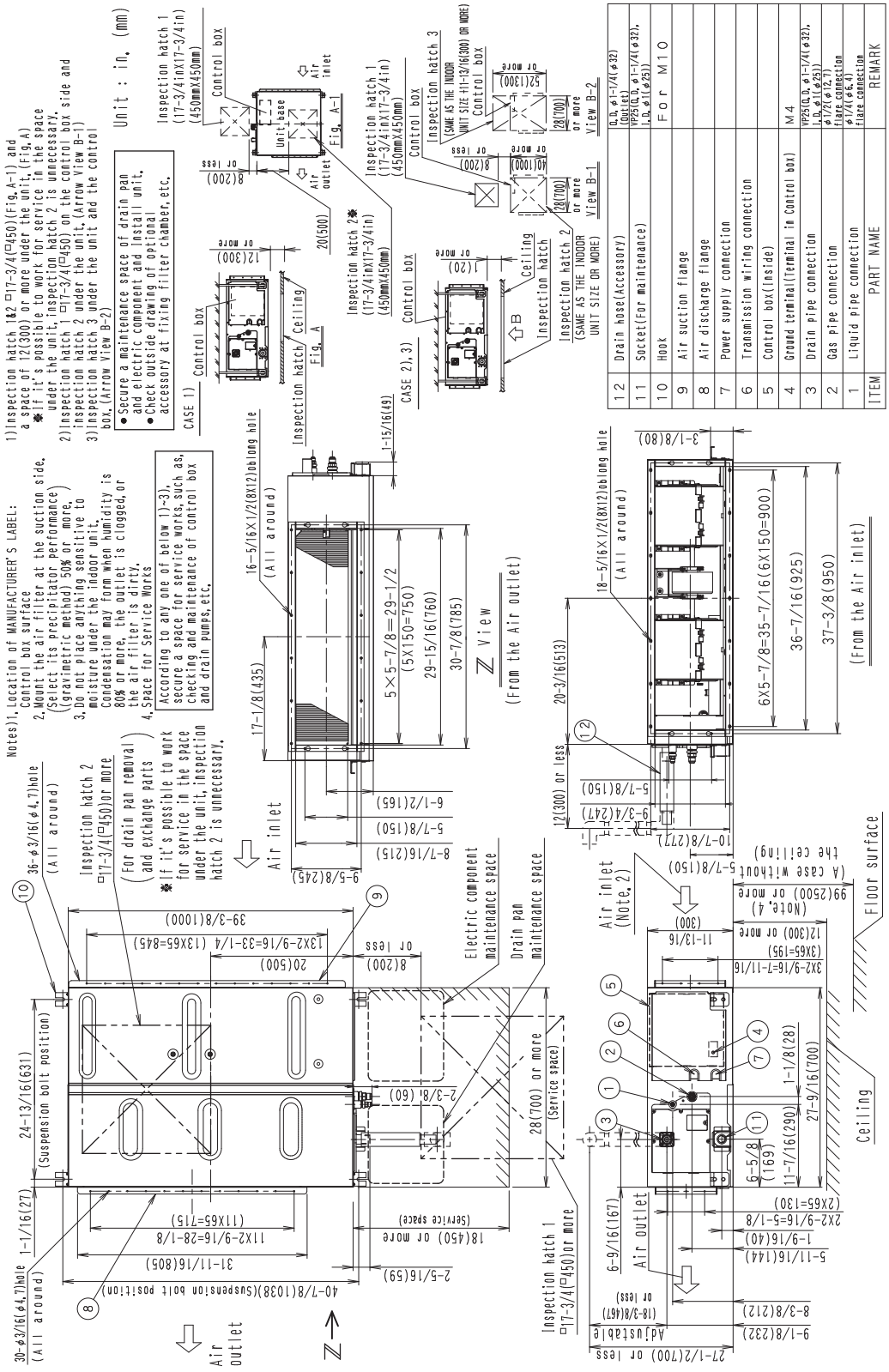
3D065976G

FXMQ12PBVJU



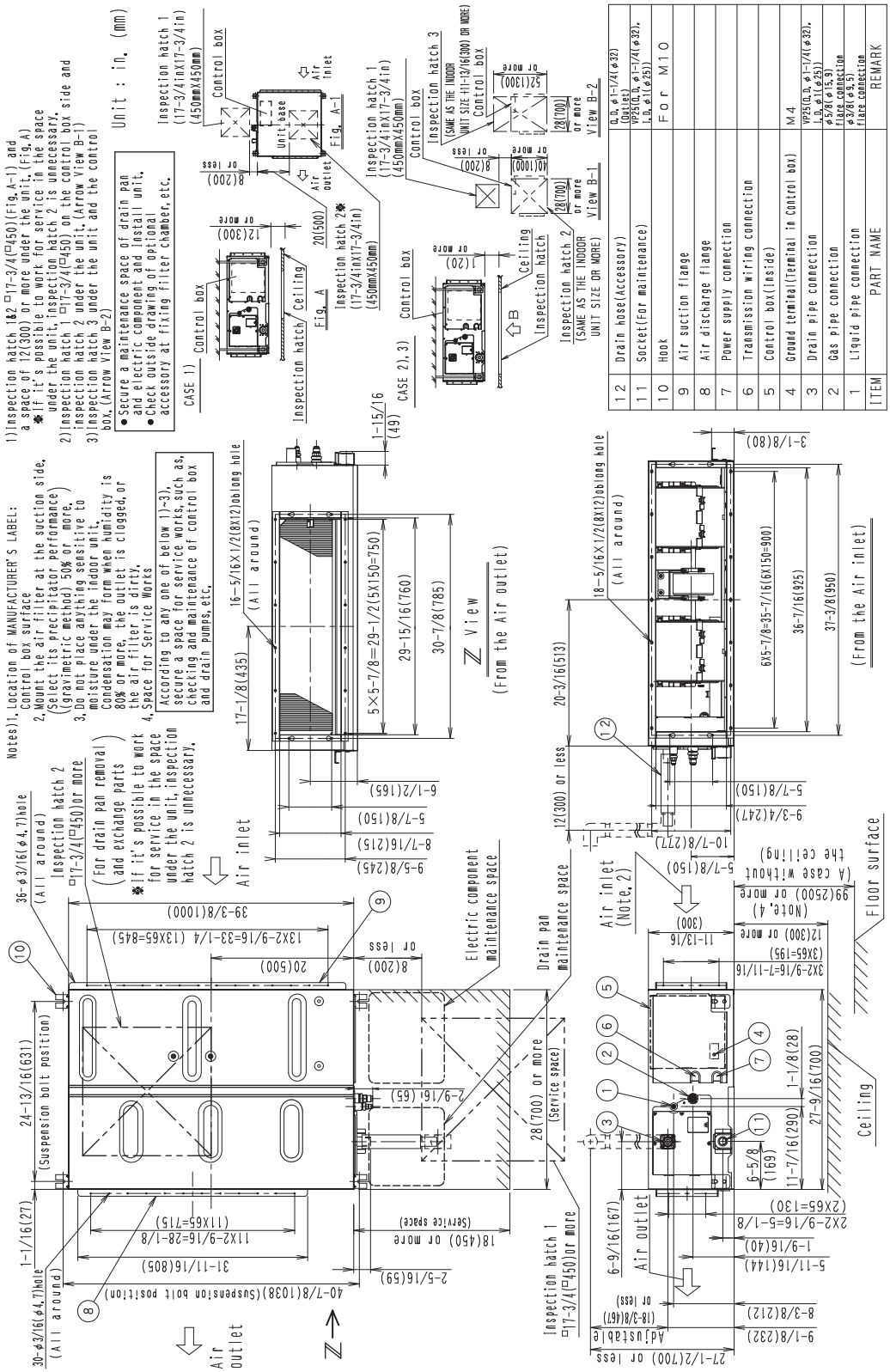
3D086927D

FXMQ15-18PBVJU



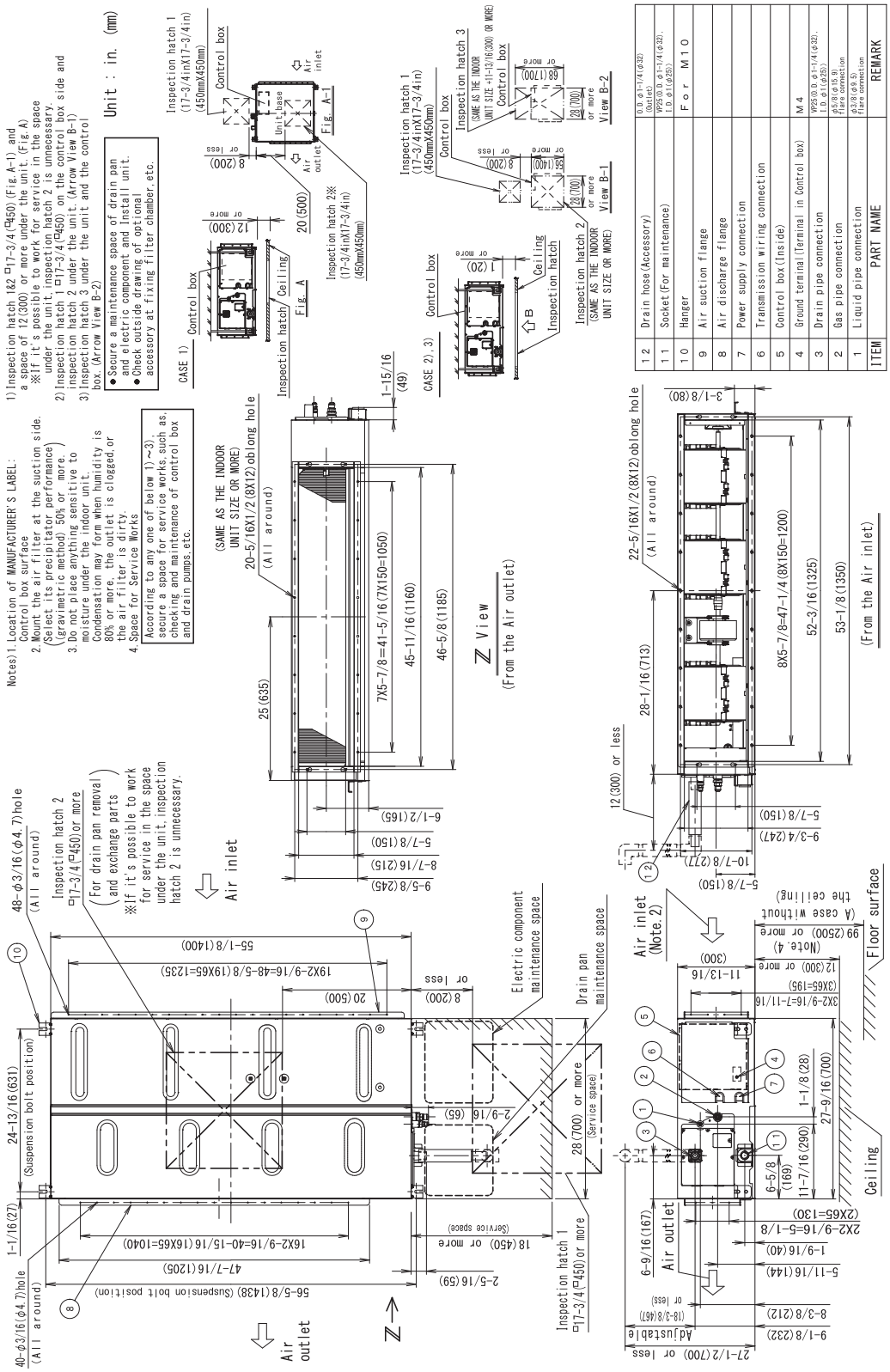
3D065977F

FXMQ24PBVJU



3D065978F

FXMQ30-54PBVJU



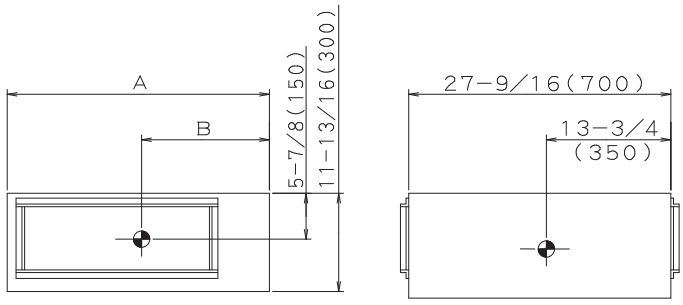
ITEM	PART NAME	REMARK
12	Drain hose(Accessory)	O.D. φ1-1/4(φ32) I.D. φ1(φ25)
11	Socket(For maintenance)	VP25(O.D. φ3-1/4(φ32), I.D. φ1(φ25))
10	Hanger	For M10
9	Air suction flange	
8	Air discharge flange	
7	Power supply connection	
6	Transmission wiring connection	
5	Control box(Inside)	
4	Ground terminal(Terminal in Control box)	M4
3	Drain pipe connection	VP25(O.D. φ3-1/4(φ32), I.D. φ1(φ25))
2	Gas pipe connection	φ15.8(φ15.9) Flare connection
1	Liquid pipe connection	φ9.5(φ9.52) flare connection

3D065979J

5. Center of Gravity

FXMQ07-54PBVJU

Unit: in. (mm)

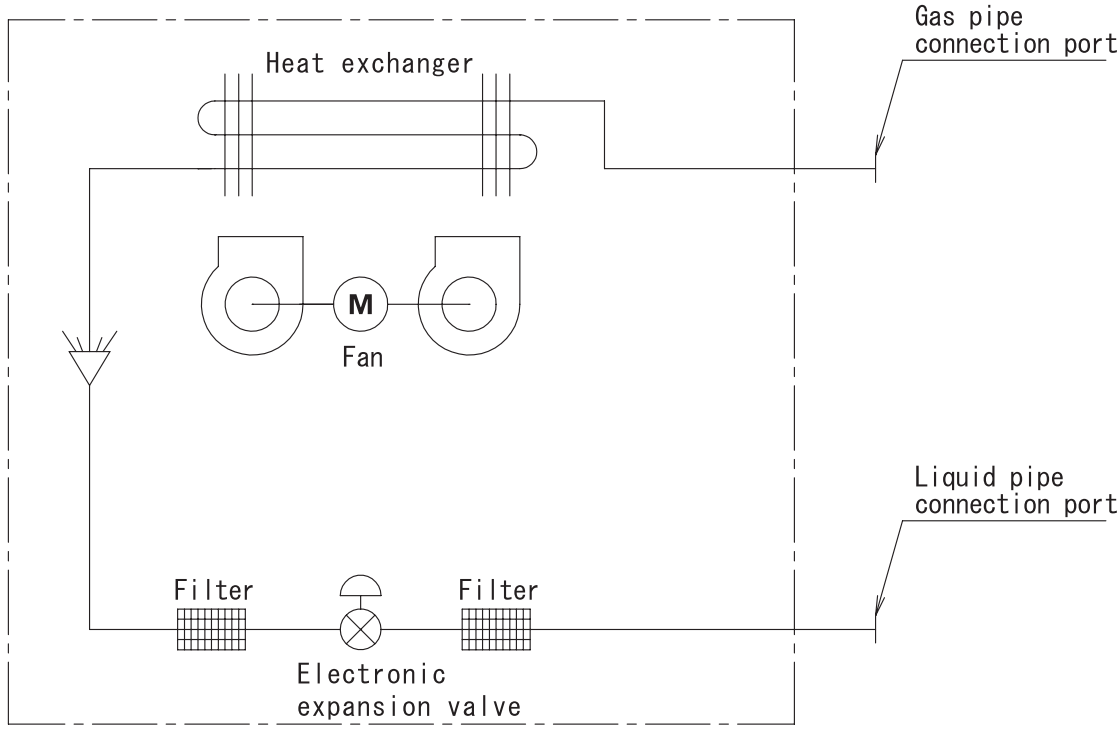


MODEL NAME	A	B
FXMQ07・09PBVJU	21-5/8 (550)	8-1/4 (210)
FXMQ12PBVJU	27-5/8 (700)	11 (280)
FXMQ15・18・24PBVJU	39-3/8 (1000)	18-1/8 (460)
FXMQ30・36・48・54PBVJU	55-1/8 (1400)	23-5/8 (600)

C: 4D086926B

6. Piping Diagrams

FXMQ07-54PBVJU



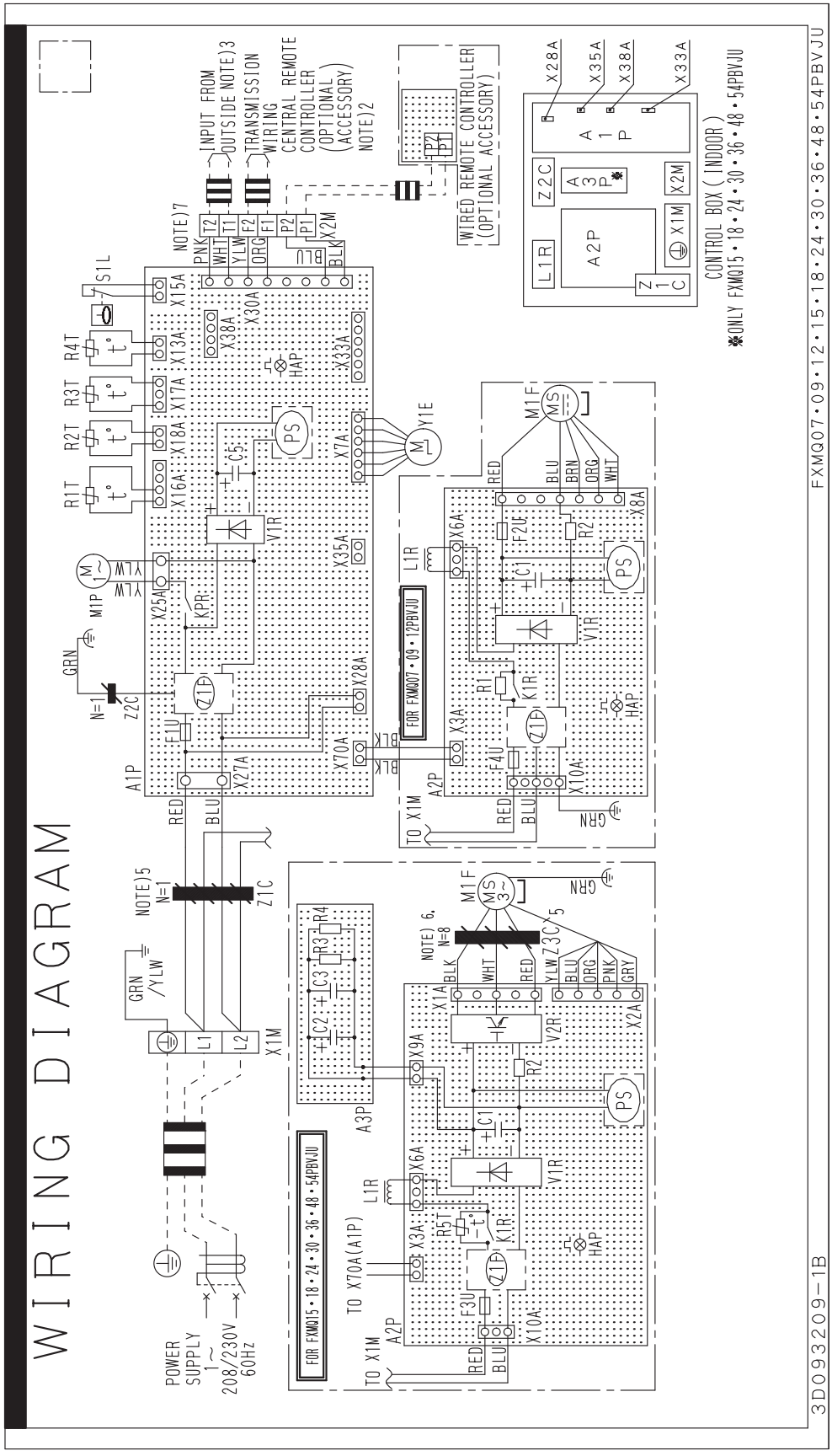
C: 4D034245R

Unit: in. (mm)

Model	Gas	Liquid
FXMQ07PBVJU FXMQ09PBVJU FXMQ12PBVJU FXMQ15PBVJU FXMQ18PBVJU	ϕ 1/2 (ϕ 12.7)	ϕ 1/4 (ϕ 6.4)
FXMQ24PBVJU FXMQ30PBVJU FXMQ36PBVJU FXMQ48PBVJU FXMQ54PBVJU	ϕ 5/8 (ϕ 15.9)	ϕ 3/8 (ϕ 9.5)

7. Wiring Diagrams

FXMQ07-54PBVJU



NOTES)
1. □□ : TERMINAL, ▣▣ : CONNECTOR, = ⫼ = : FIELD WIRING, ⏚ : PROTECTIVE GROUND (SCREW), ⏚ : NOISELESS GROUND
2. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTALLATION MANUAL.
3. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER. IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
4. COLORS BLK : BLACK RED : RED BLU : BLUE WHT : WHITE PNK : PINK YLW : YELLOW BRN : BROWN GRY : GRAY GRN : GREEN ORG : ORANGE.
5. FOR FXMQ15・18・24・30・36・48・54PBVJU ARE N = 2
6. ONLY FOR FXMQ54PBVJU
7. CLASS 2 WIRE

C: 3D093209B

FXMQ07-54PBVJU

INDOOR UNIT	
A1P	PRINTED CIRCUIT BOARD
A2P	PRINTED CIRCUIT BOARD (FAN)
A3P	PRINTED CIRCUIT BOARD (CAPACITOR)
C1, C2, C3, C5	CAPACITOR
F1U	FUSE (T, 3.15 A, 250 V)
F2U	FUSE (T, 5 A, 250 V)
F3U	FUSE (T, 6.3 A, 250 V)
F4U	FUSE (T, 6.3 A, 250 V)
HAP	FLASHING LAMP (A1P, A2P) (SERVICE MONITOR GREEN)
KPR	MAGNETIC RELAY
K1R	MAGNETIC RELAY
L1R	REACTOR
M1F	MOTOR (INDOOR FAN)
M1P	MOTOR (DRAIN PUMP)
PS	POWER SUPPLY CIRCUIT (A1P, A2P)
R1	RESISTOR (CURRENT LIMITING)
R2	CURRENT SENSING DEVICE
R3, R4	RESISTOR (ELECTRIC DISCHARGE)
R1T	THERMISTOR (SUCTION AIR)
R2T	THERMISTOR (LIQUID)
R3T	THERMISTOR (GAS)
R4T	THERMISTOR (DISCHARGE AIR)
R5T	THERMISTOR NTC (CURRENT LIMITING)
S1L	FLOAT SWITCH
V1R	DIODE BRIDGE (A1P, A2P)
V2R	POWER MODULE
X1M	TERMINAL BLOCK (POWER SUPPLY)
X2M	TERMINAL BLOCK (CONTROL)
Y1E	ELECTRONIC EXPANSION VALVE
Z1C, Z2C, Z3C	FERRITE CORE
Z1F	NOISE FILTER (A1P, A2P)
CONNECTOR FOR OPTIONAL ACCESSORIES	
X28A	CONNECTOR (POWER SUPPLY FOR WIRING)
X33A	CONNECTOR (ADAPTOR FOR WIRING)
X35A	CONNECTOR (POWER SUPPLY FOR ADAPTOR)
X38A	CONNECTOR (ADAPTOR FOR MULTI TENANT)

C: 3D093209B

8. Electric Characteristics

FXMQ07-54PBVJU

Model	Power supply					IFM		Input (W)	
	Hz	Volts	Voltage range	MCA	MOP	KW	FLA	Cooling	Heating
FXMQ07PBVJU	60	208/230 V	Max. 253 V Min. 187 V	0.6	15	0.090	0.5	80	69
FXMQ09PBVJU				0.6	15	0.090	0.5	80	69
FXMQ12PBVJU				1.4	15	0.140	1.1	193	182
FXMQ15PBVJU				1.5	15	0.350	1.2	199	188
FXMQ18PBVJU				1.6	15	0.350	1.3	214	203
FXMQ24PBVJU				1.8	15	0.350	1.4	229	218
FXMQ30PBVJU				2.8	15	0.350	2.2	363	352
FXMQ36PBVJU				2.9	15	0.350	2.3	375	364
FXMQ48PBVJU				3.4	15	0.350	2.7	460	449
FXMQ54PBVJU				3.4	15	0.350	2.7	460	449

Symbol:

MCA: Min. Circuit Amps (A)
MOP: Max. Overcurrent Protective Device (A)
KW: Fan Motor Rated Output (kW)
FLA: Full Load Amps (A)
IFM: Indoor Fan Motor

Note:

1. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
2. Maximum allowable voltage unbalance between phases is 2%.
3. MCA/MOP
   MCA = 1.25 × FLA
   MOP ≤ 4 × FLA
   (Next lower standard fuse raring. Min. 15 A)
4. Select wire size based on the MCA.
5. Instead of fuse, use circuit breaker.

C: 4D086914B

9. Safety Devices Setting

Model		FXMQ07PBVJU	FXMQ09PBVJU	FXMQ12PBVJU	FXMQ15PBVJU	FXMQ18PBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (Fan driver)		250 V, 5 A	250 V, 5 A	250 V, 5 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	293 (145)	293 (145)	293 (145)	293 (145)	293 (145)

Model		FXMQ24PBVJU	FXMQ30PBVJU	FXMQ36PBVJU	FXMQ48PBVJU	FXMQ54PBVJU
Printed circuit board fuse		250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A	250 V, 3.15 A
Printed circuit board fuse (Fan driver)		250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	293 (145)	293 (145)	293 (145)	293 (145)	293 (145)

C: 3D086916B

10. Capacity Tables

10.1 Cooling Capacity at Te: 43°F (6°C)

Model	Indoor air temp. °FWB (°CWB) (Te: 43°F (6°C))											
	61 (16.1)		64 (17.8)		67 (19.4)		70 (21.1)		72 (22.2)		75 (23.9)	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
FXMQ07PBVJU	5.7	5.5	6.4	5.9	7.2	6.1	7.3	6.5	7.4	5.8	7.6	5.8
FXMQ09PBVJU	7.5	6.9	8.5	7.3	9.5	7.8	9.7	8.1	9.8	7.1	10.0	7.2
FXMQ12PBVJU	9.5	8.5	10.7	9.1	12.0	9.7	12.2	10.0	12.4	9.2	12.6	9.2
FXMQ15PBVJU	11.2	10.2	12.7	10.7	14.2	11.4	14.5	11.6	14.7	11.5	14.9	9.6
FXMQ18PBVJU	14.2	13.9	16.1	14.7	18.0	15.6	18.4	16.1	18.6	14.6	18.9	12.1
FXMQ24PBVJU	19.0	16.5	21.5	17.7	24.0	18.8	24.5	19.2	24.8	17.9	25.3	20.1
FXMQ30PBVJU	23.7	20.8	26.8	22.3	30.0	23.8	30.6	24.4	31.0	22.5	31.6	22.5
FXMQ36PBVJU	28.4	25.0	32.2	26.9	36.0	28.8	36.7	30.0	37.2	27.7	37.9	27.7
FXMQ48PBVJU	37.9	31.3	43.0	33.6	48.0	35.8	49.0	36.9	49.6	34.7	50.5	33.2
FXMQ54PBVJU	42.6	35.2	48.3	37.8	54.0	40.3	55.1	41.5	55.8	39.0	56.8	37.4

TC: Total capacity: MBH
SHC: Sensible heat capacity: MBH

Note:

1. These capacity tables can be used 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.

CA15A173A

10.2 Heating Capacity

Model	Indoor air temp. °FDB (°CDB) (Tc: 115°F (46°C))					
	62 (16.7)	65 (18.3)	68 (20.0)	70 (21.1)	72 (22.2)	75 (23.9)
	TC	TC	TC	TC	TC	TC
	MBH	MBH	MBH	MBH	MBH	MBH
FXMQ07PBVJU	9.9	9.3	8.8	8.5	8.2	7.7
FXMQ09PBVJU	12.3	11.5	10.9	10.5	10.1	9.5
FXMQ12PBVJU	15.8	14.8	14.0	13.5	13.0	12.3
FXMQ15PBVJU	19.2	18.0	17.1	16.5	15.9	15.0
FXMQ18PBVJU	23.3	21.9	20.7	20.0	19.3	18.1
FXMQ24PBVJU	31.5	29.5	28.0	27.0	26.0	24.5
FXMQ30PBVJU	39.7	37.1	35.3	34.0	32.7	30.9
FXMQ36PBVJU	46.7	43.7	41.5	40.0	38.5	36.3
FXMQ48PBVJU	63.0	59.0	56.0	54.0	52.0	49.0
FXMQ54PBVJU	70.0	65.6	62.2	60.0	57.8	54.4

TC: Total capacity: MBH

Note:

1. These capacity tables can be used 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.

CA15A173A

10.3 Correction Factor for Cooling Capacity at Te: 48°F (9°C)

Refer to the correction factor table below when a mini-split indoor unit is connected to a ***VRV*** Heat Pump system using a Branch Port box.

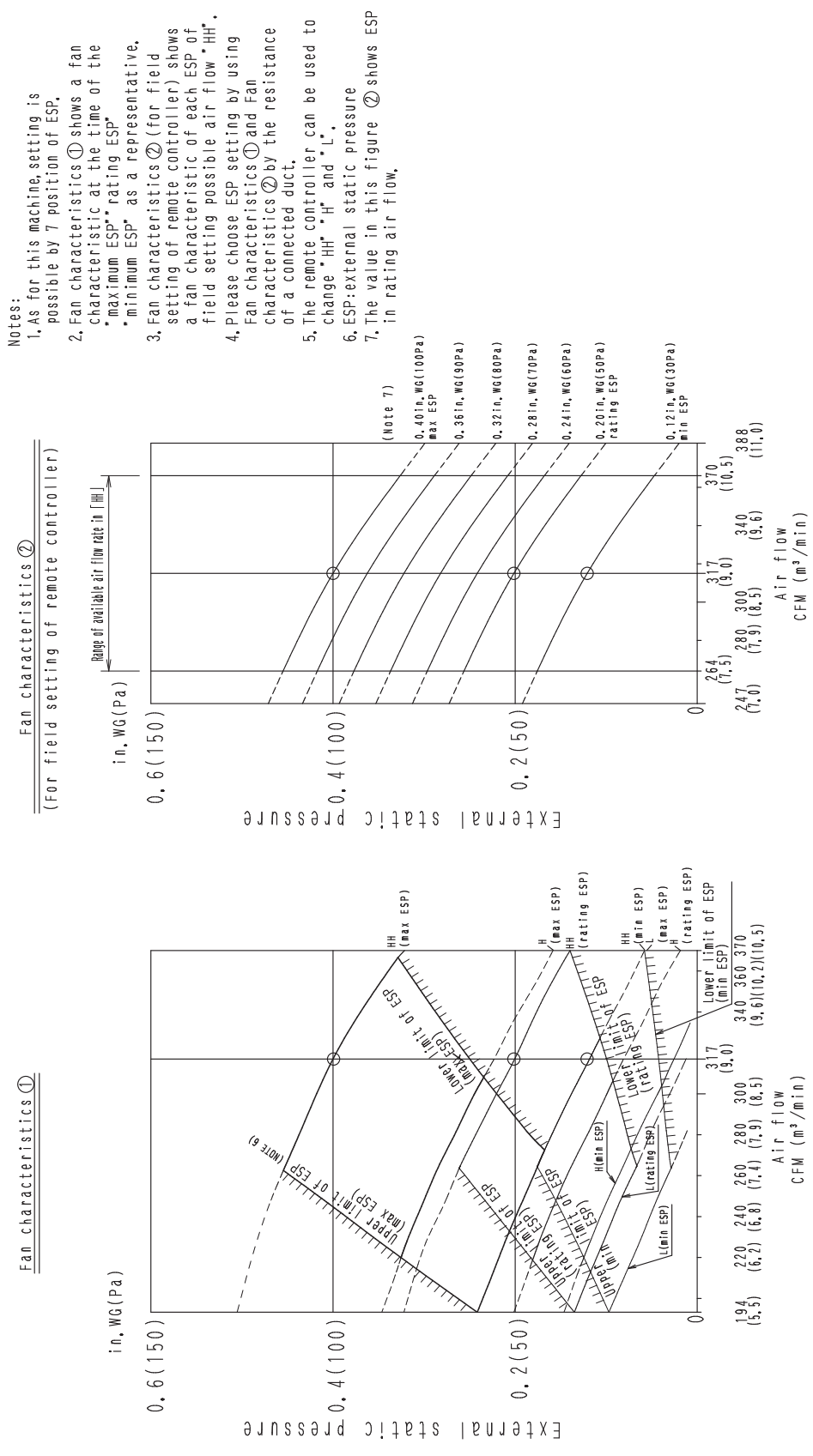
Model	Indoor air temp. °FWB (°CWB) (Te: 48°F (9°C))											
	61 (16.1)		64 (17.8)		67 (19.4)		70 (21.1)		72 (22.2)		75 (23.9)	
	TC	SHF	TC	SHF	TC	SHF	TC	SHF	TC	SHF	TC	SHF
FXMQ07PBVJU	0.69	1.18	0.75	1.12	0.78	1.09	0.80	1.07	0.83	1.05	0.85	1.04
FXMQ09PBVJU	0.69	1.18	0.75	1.12	0.78	1.09	0.80	1.07	0.83	1.05	0.85	1.04
FXMQ12PBVJU	0.71	1.15	0.77	1.10	0.80	1.08	0.81	1.07	0.84	1.05	0.86	1.05
FXMQ15PBVJU	0.70	1.16	0.76	1.11	0.79	1.08	0.81	1.07	0.84	1.05	0.86	1.05
FXMQ18PBVJU	0.71	1.16	0.77	1.11	0.79	1.08	0.81	1.07	0.84	1.05	0.86	1.05
FXMQ24PBVJU	0.71	1.16	0.77	1.10	0.79	1.08	0.81	1.07	0.84	1.05	0.86	1.05
FXMQ30PBVJU	0.71	1.16	0.77	1.11	0.79	1.08	0.81	1.07	0.84	1.05	0.86	1.05
FXMQ36PBVJU	0.71	1.16	0.77	1.10	0.80	1.08	0.81	1.07	0.84	1.05	0.86	1.05
FXMQ48PBVJU	0.71	1.15	0.78	1.10	0.80	1.08	0.81	1.07	0.84	1.05	0.86	1.05
FXMQ54PBVJU	0.72	1.15	0.78	1.10	0.80	1.08	0.82	1.07	0.84	1.05	0.86	1.05

TC: Total capacity
SHF: Sensible heat factor

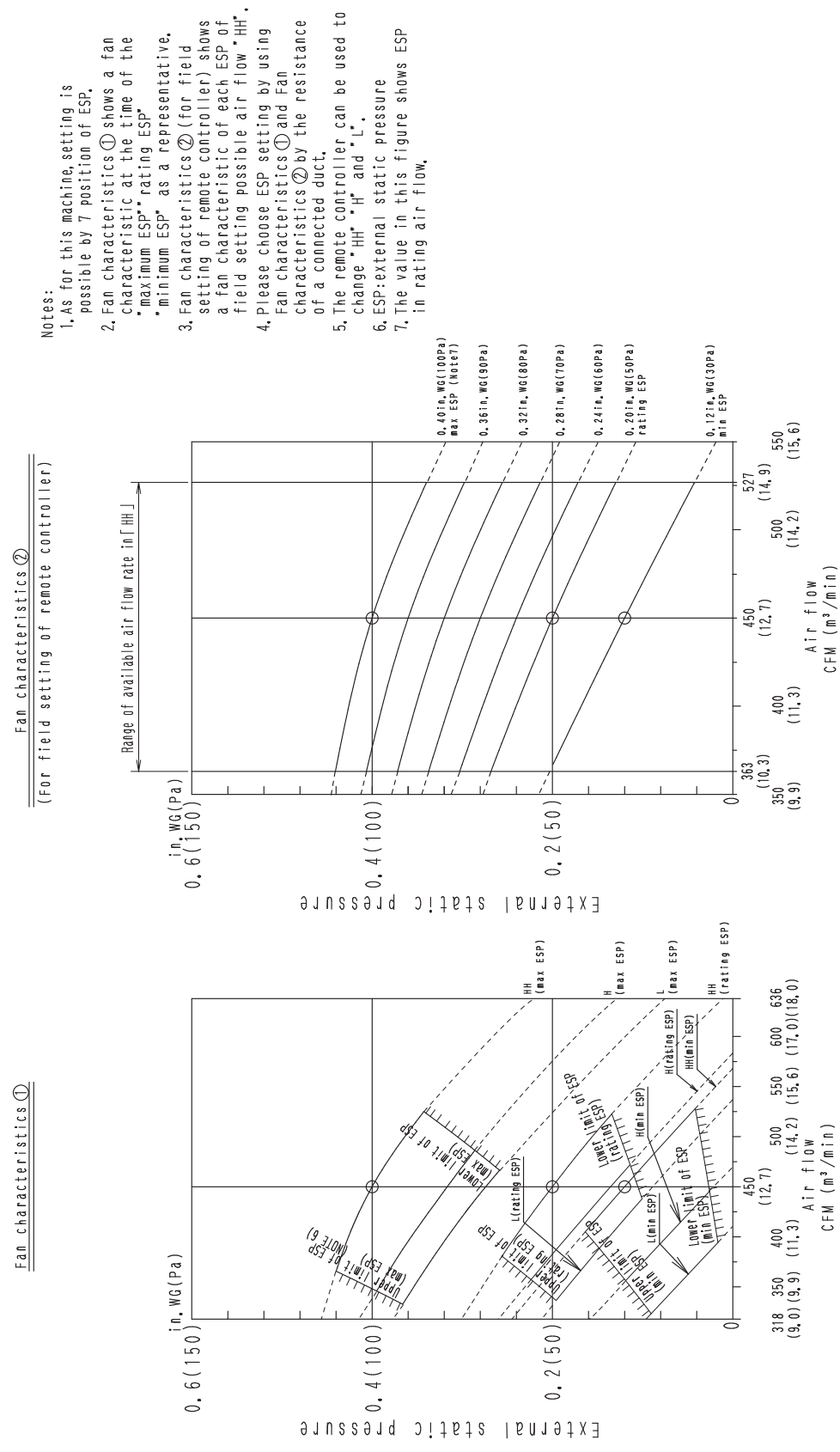
CA15A173A

11.Fan Performance

FXMQ07-09PBVJU

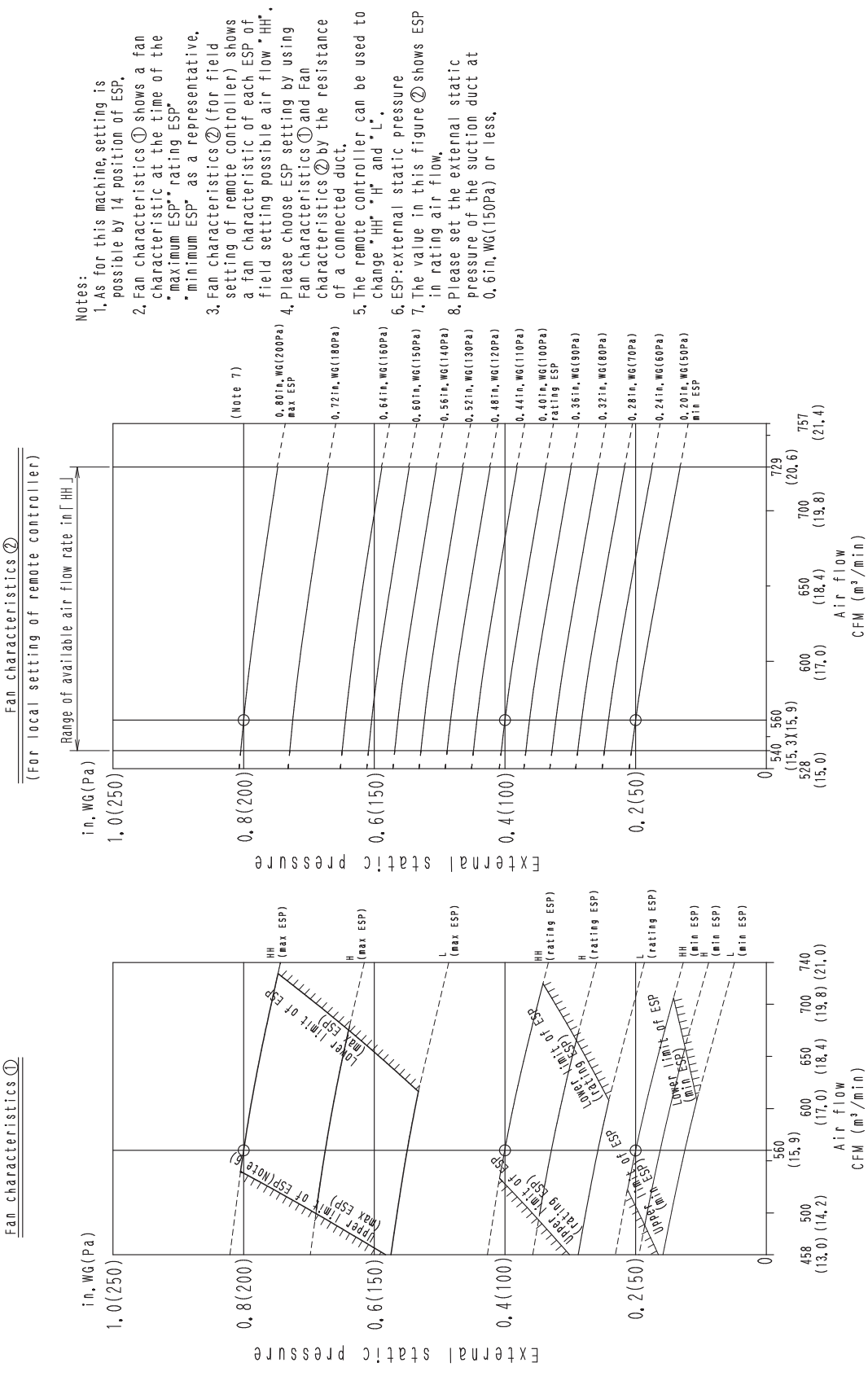


FXMQ12PBVJU



3D086928B

FXMQ15PBVJU



3D086930B

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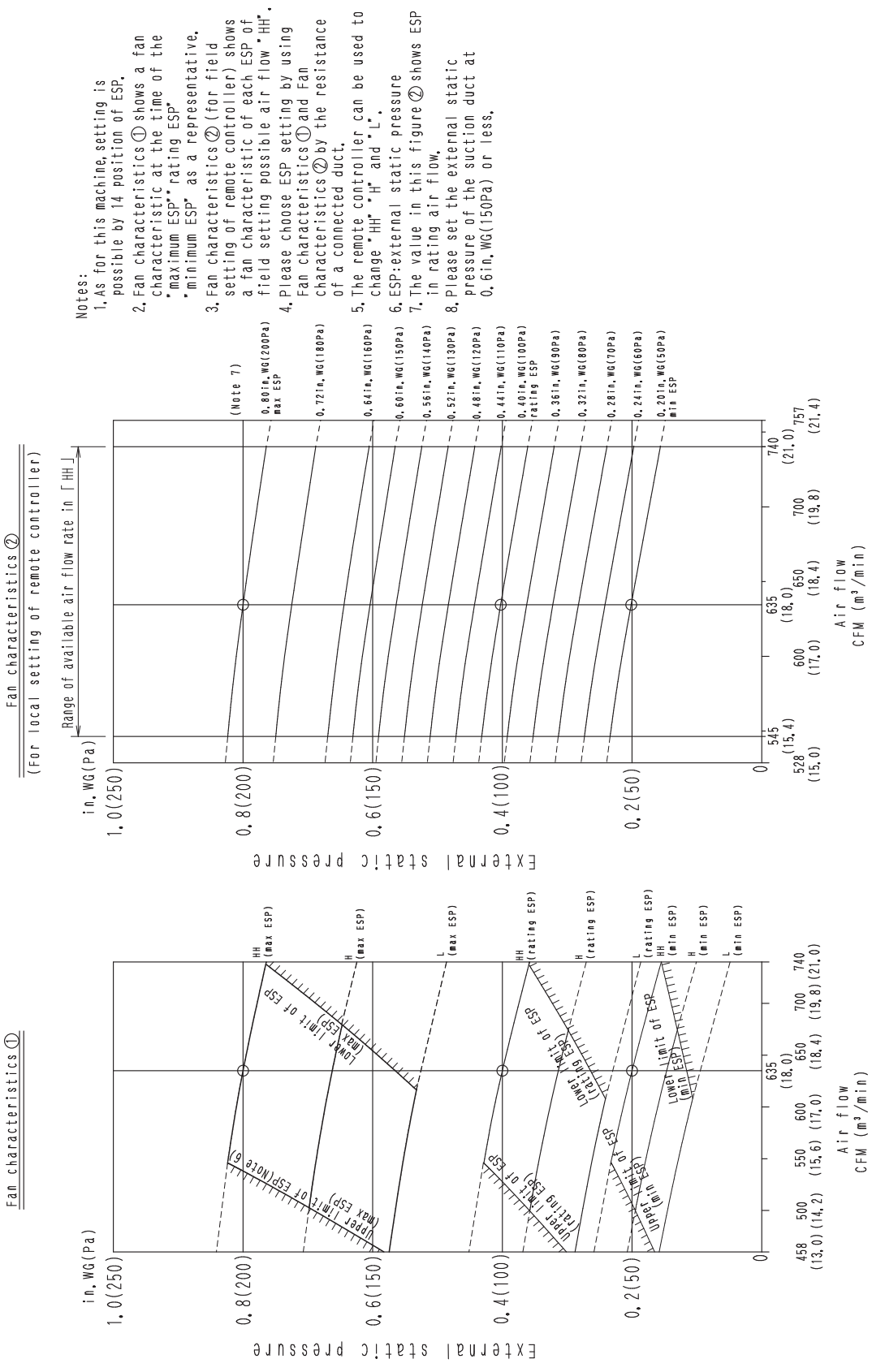
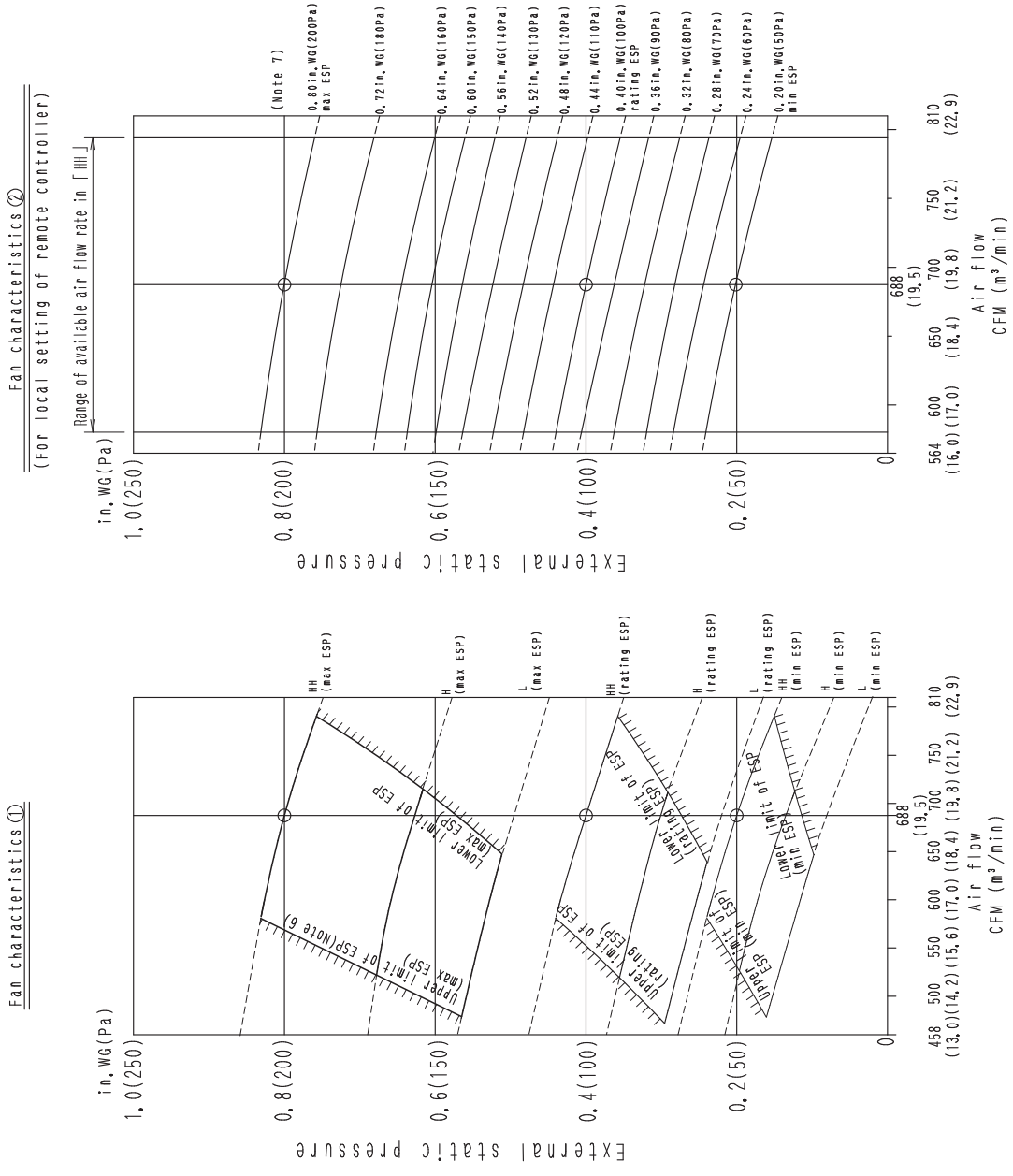


3D066120F

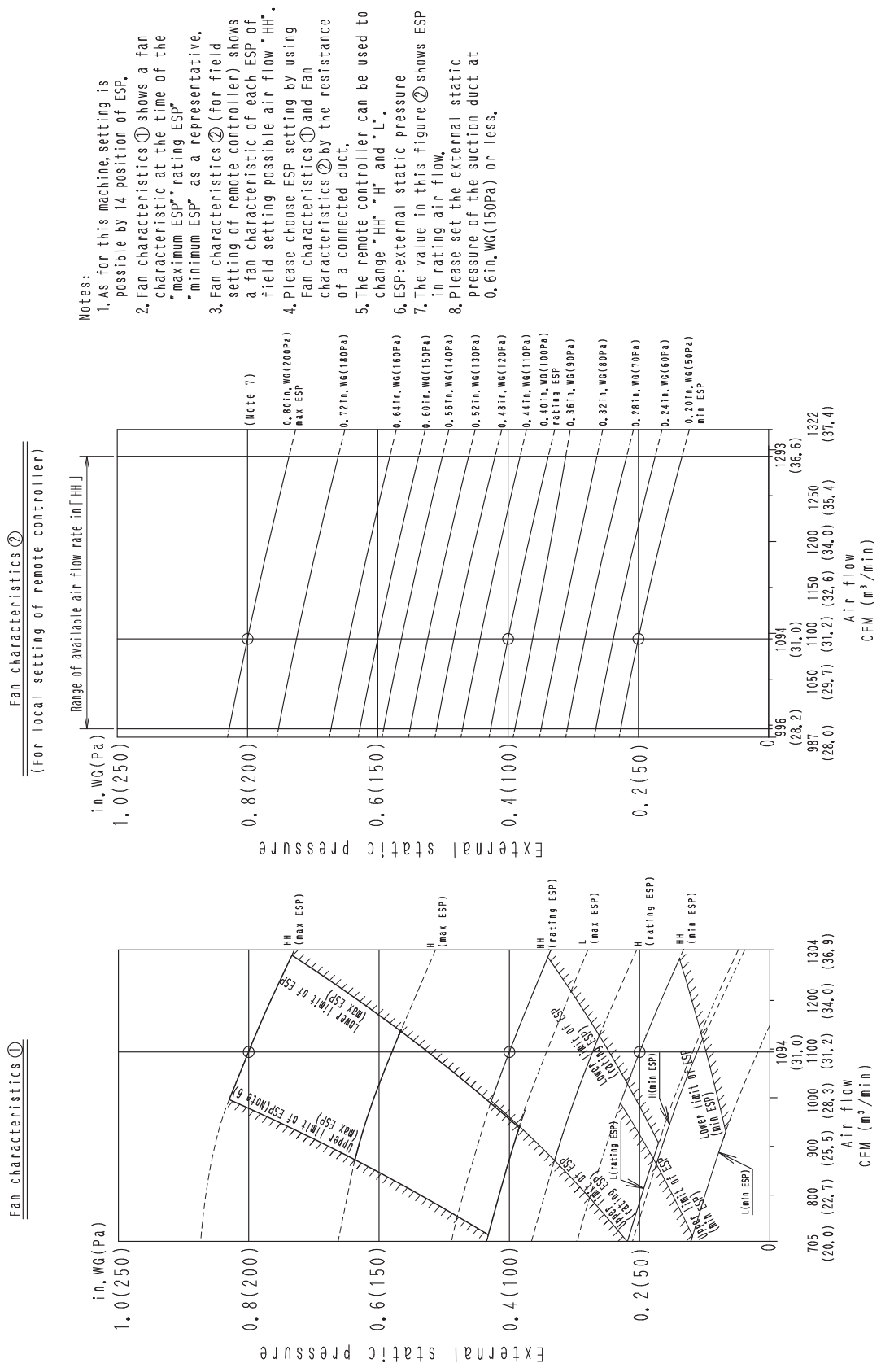
FXMQ24PBVJU



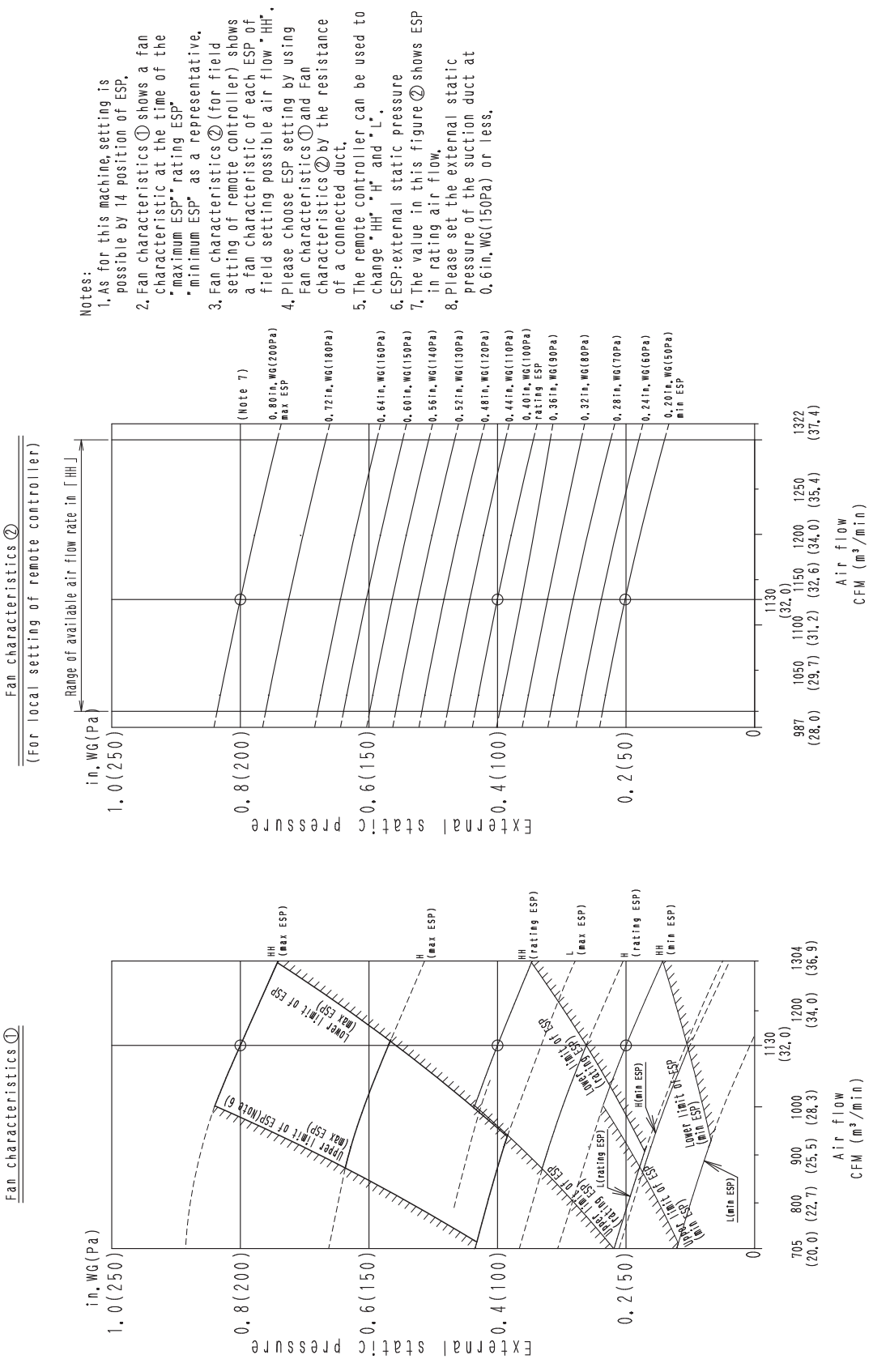
Notes:
1. As for this machine, setting is possible by 14 position of ESP.
2. Fan characteristics ① shows a fan characteristic at the time of the "maximum ESP" "rating ESP" "minimum ESP" as a representative.
3. Fan characteristics ② (for field setting of remote controller) shows a fan characteristic of each ESP of field setting possible air flow "HH".
4. Please choose ESP setting by using Fan characteristics ① and Fan characteristics ② by the resistance of a connected duct.
5. The remote controller can be used to change "HH" "H" and "L".
6. ESP:external static pressure
7. The value in this figure ② shows ESP in rating air flow.
8. Please set the external static pressure of the suction duct at 0.6in.WG(150Pa) or less.

3D066121F

FXMQ30PBVJU

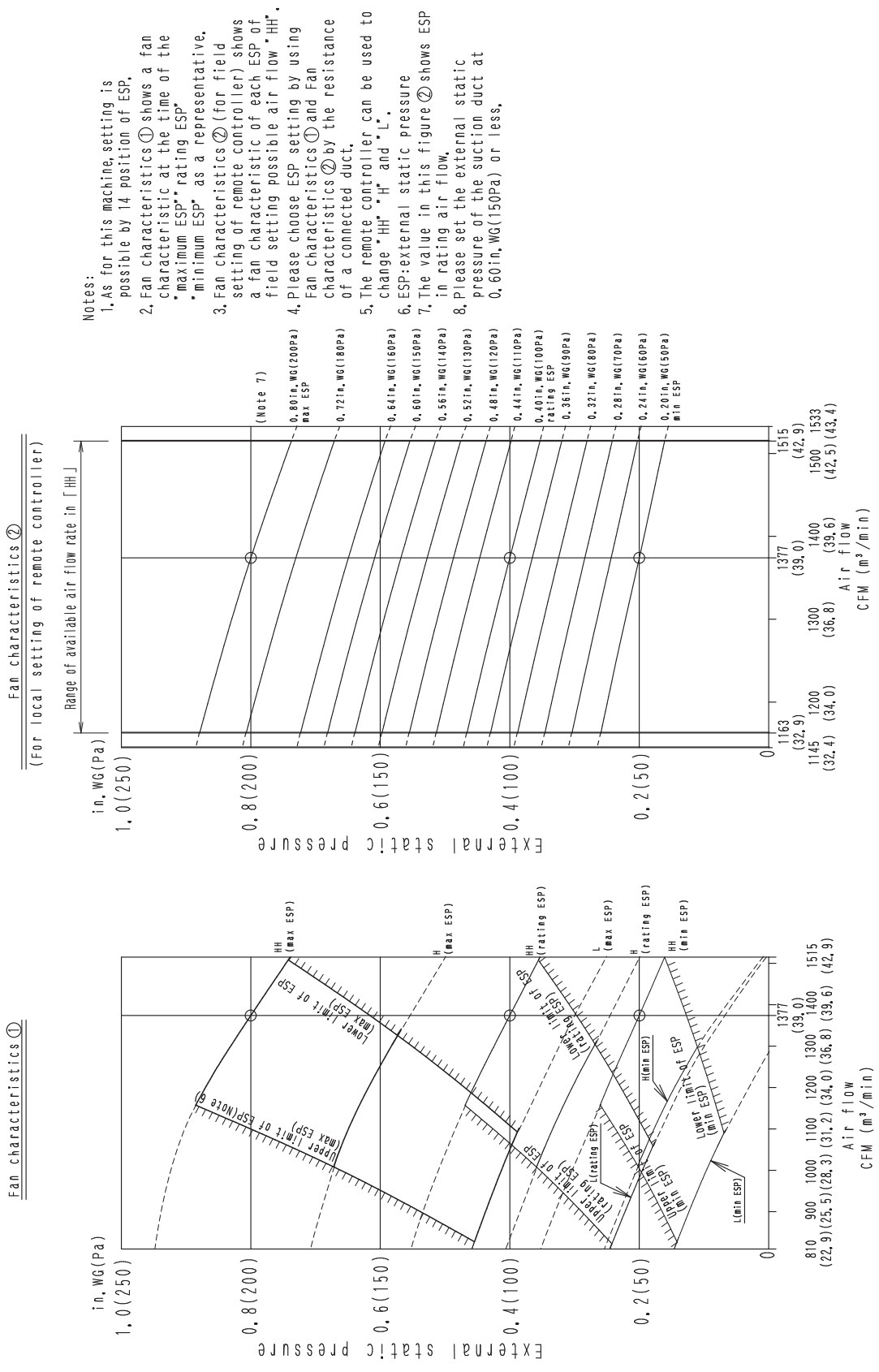


FXMQ36PBVJU

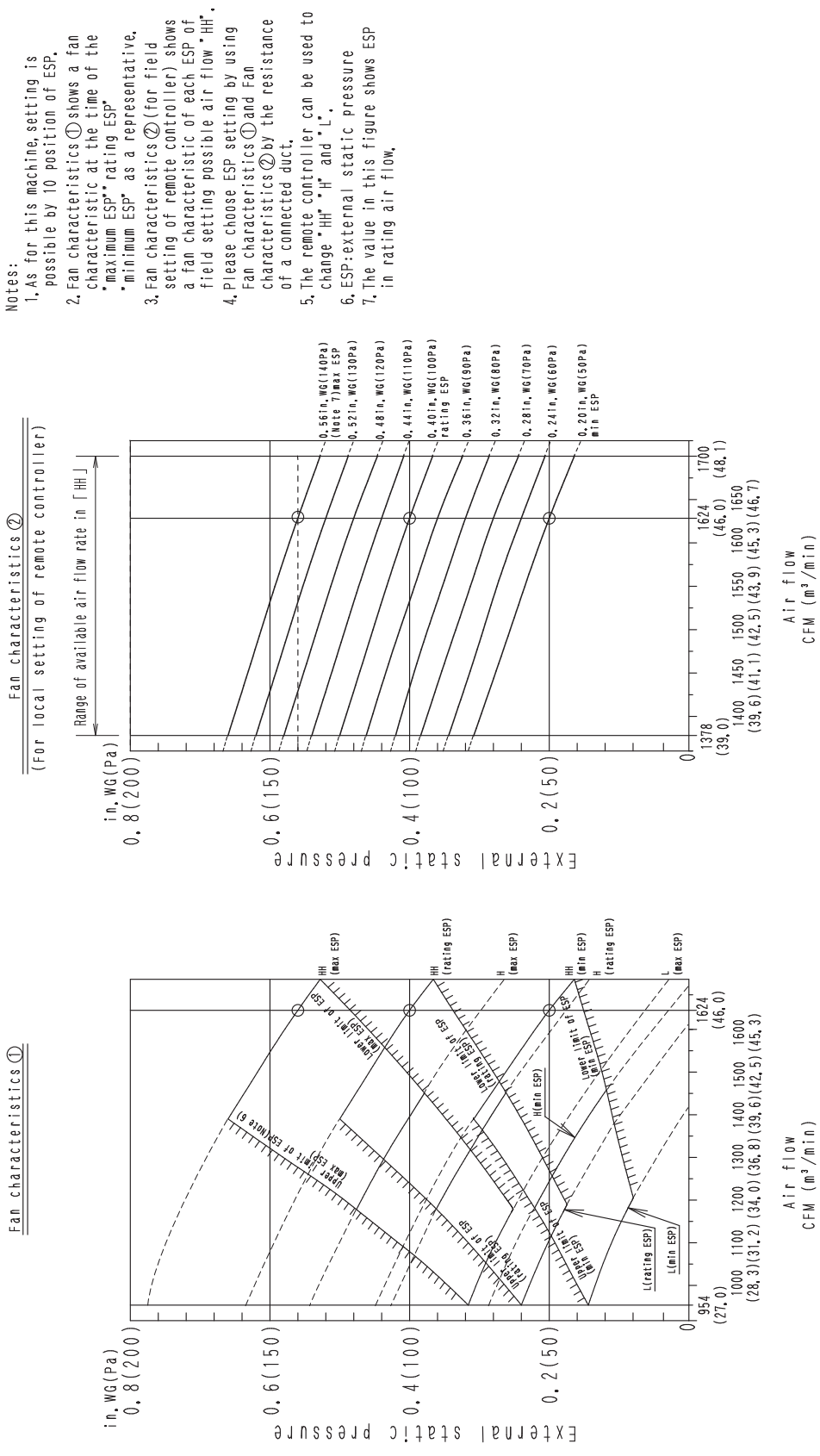


3D066123F

FXMQ48PBVJU

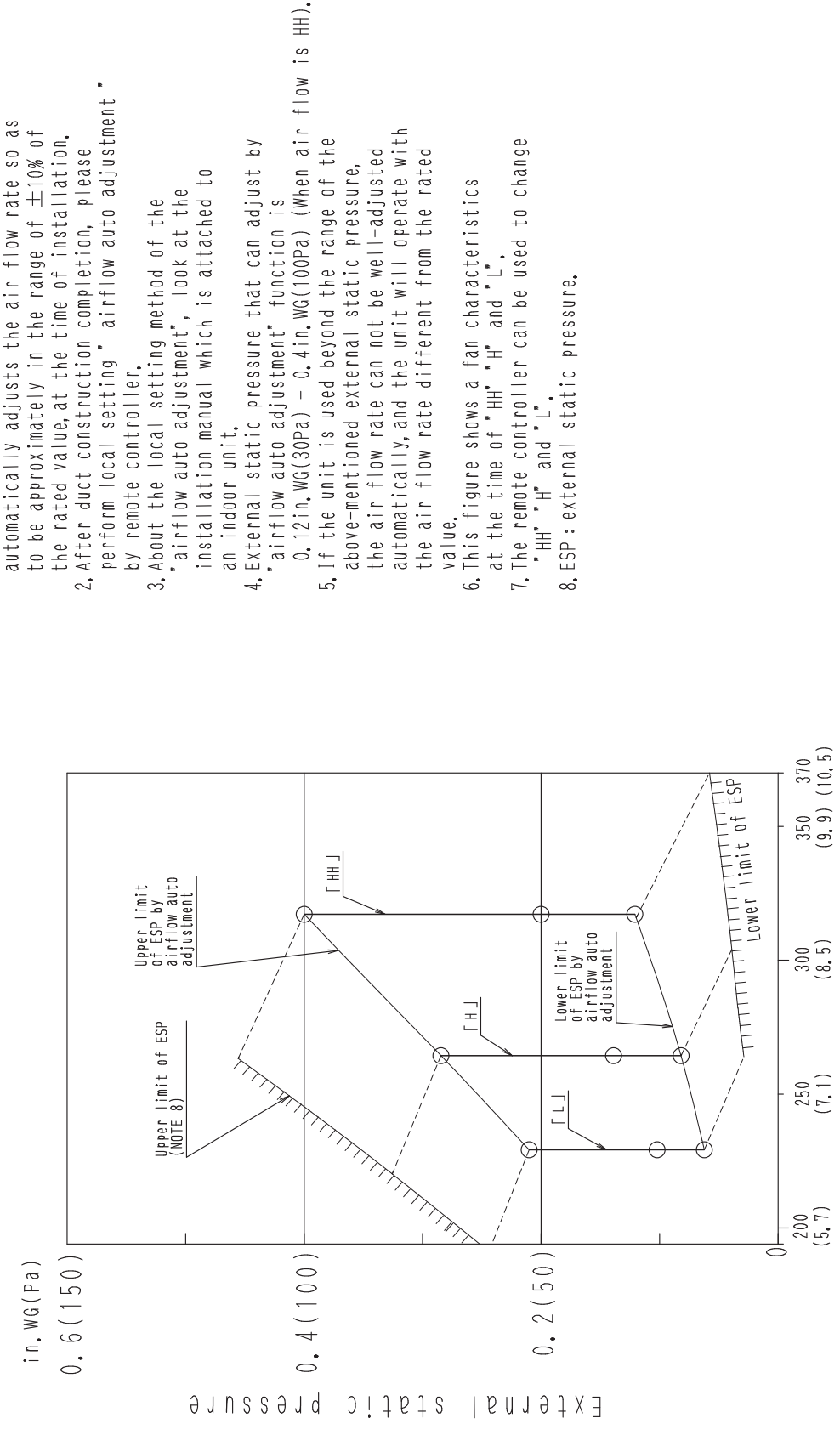


FXMQ54PBVJU



12.Airflow Auto Adjustment Characteristics

FXMQ07-09PBVJU

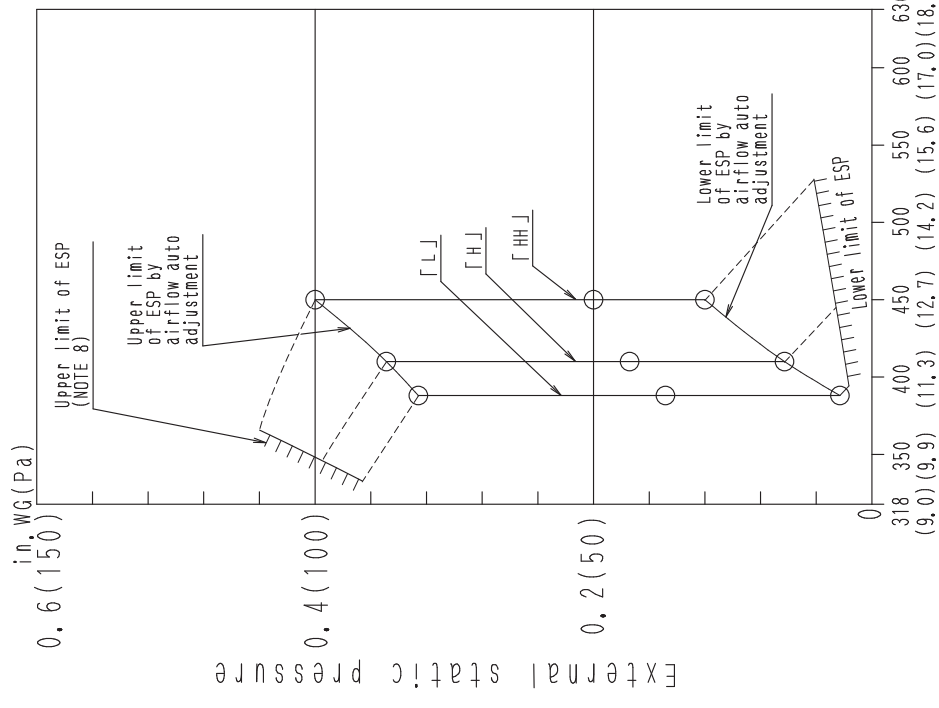


Notes :
1. This indoor unit has the "Automatic air flow rate adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of ±10% of the rated value, at the time of installation.
2. After duct construction completion, please perform local setting " airflow auto adjustment " by remote controller.
3. About the local setting method of the "airflow auto adjustment", look at the installation manual which is attached to an indoor unit.
4. External static pressure that can adjust by "airflow auto adjustment" function is 0.12in.WG(30Pa) – 0.4in.WG(100Pa) (When air flow is HH).
5. If the unit is used beyond the range of the above-mentioned external static pressure, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "HH" "H" and "L".
7. The remote controller can be used to change "HH" "H" and "L".
8. ESP : external static pressure.

3D066128E

FXMQ12PBVJU

Fan characteristics ①



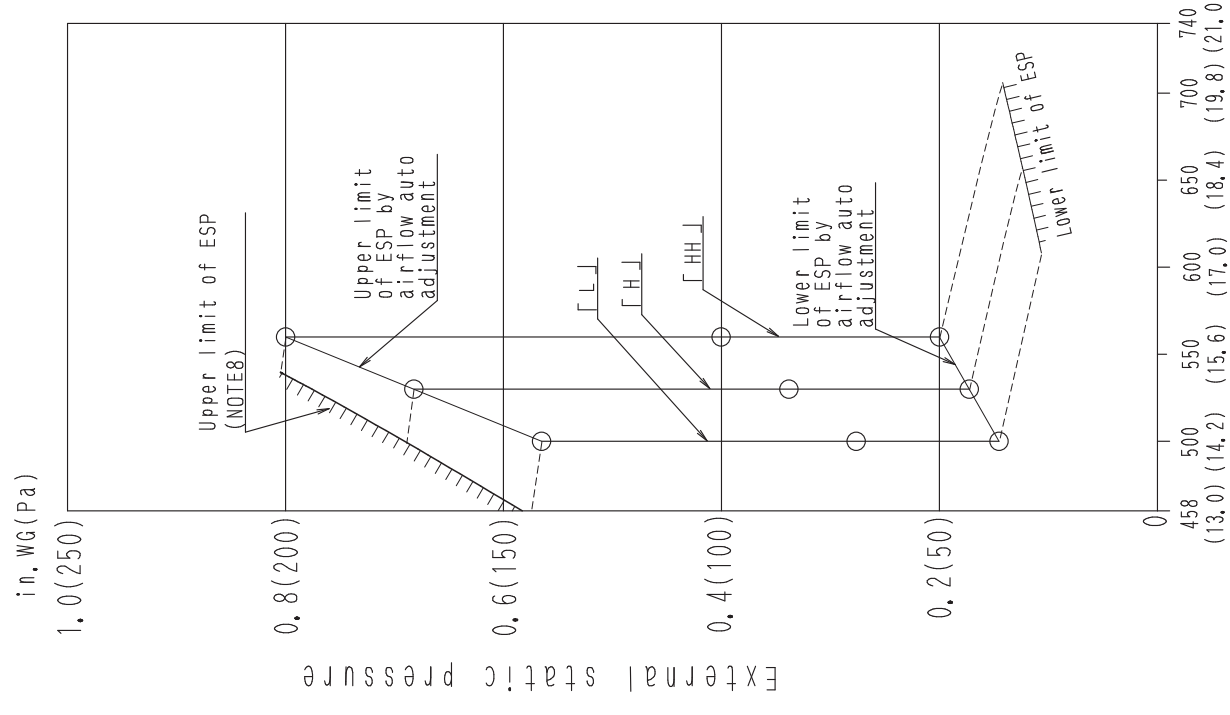
Notes :
1. This indoor unit has the "Automatic air flow rate adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of ±10% of the rated value, at the time of installation.
2. After duct construction completion, please perform local setting " airflow auto adjustment " by remote controller.
3. About the local setting method of the "airflow auto adjustment", look at the installation manual which is attached to an indoor unit.
4. External static pressure that can adjust by "airflow auto adjustment" function is 0.12in. WG(30Pa)-0.4in. WG(100Pa) (When air flow is HH).
5. If the unit is used beyond the range of the above-mentioned external static pressure, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "HH" "H" and "L".
7. The remote controller can be used to change "HH" "H" and "L".
8. ESP : external static pressure.

3D086929B

FXMQ15PBVJU

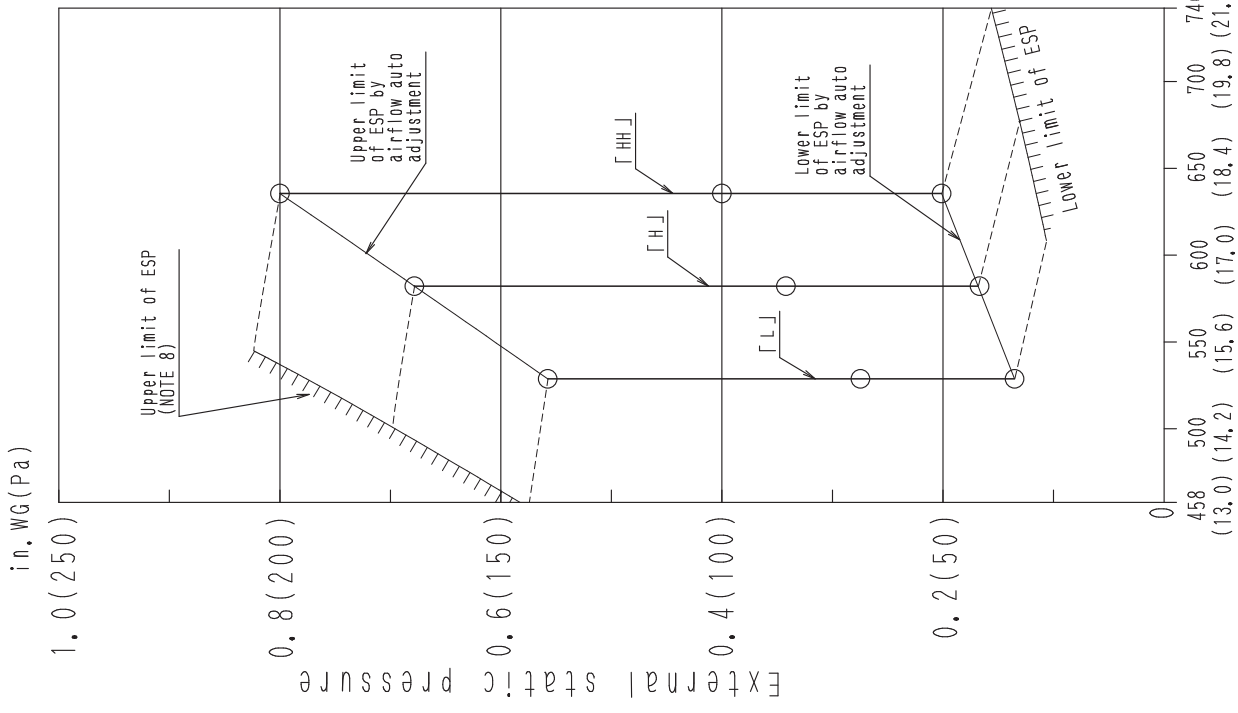
Notes:
1. This indoor unit has the "Automatic air flow rate adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of ±10% of the rated value, at the time of installation.
2. After duct construction completion, please perform local setting " airflow auto adjustment " by remote controller.
3. About the local setting method of the "airflow auto adjustment", look at the installation manual which is attached to an indoor unit.
4. External static pressure that can adjust by "airflow auto adjustment" function is 0.2in.WG(50Pa) – 0.8in.WG(200Pa) (When air flow is HH).
5. If the unit is used beyond the range of the above-mentioned external static pressure, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "HH" "H" and "L".
7. The remote controller can be used to change "HH" "H" and "L".
8. ESP : external static pressure.
9. Please set the external static pressure of the suction duct at 0.6in.WG(150Pa) or less.

3D087746B



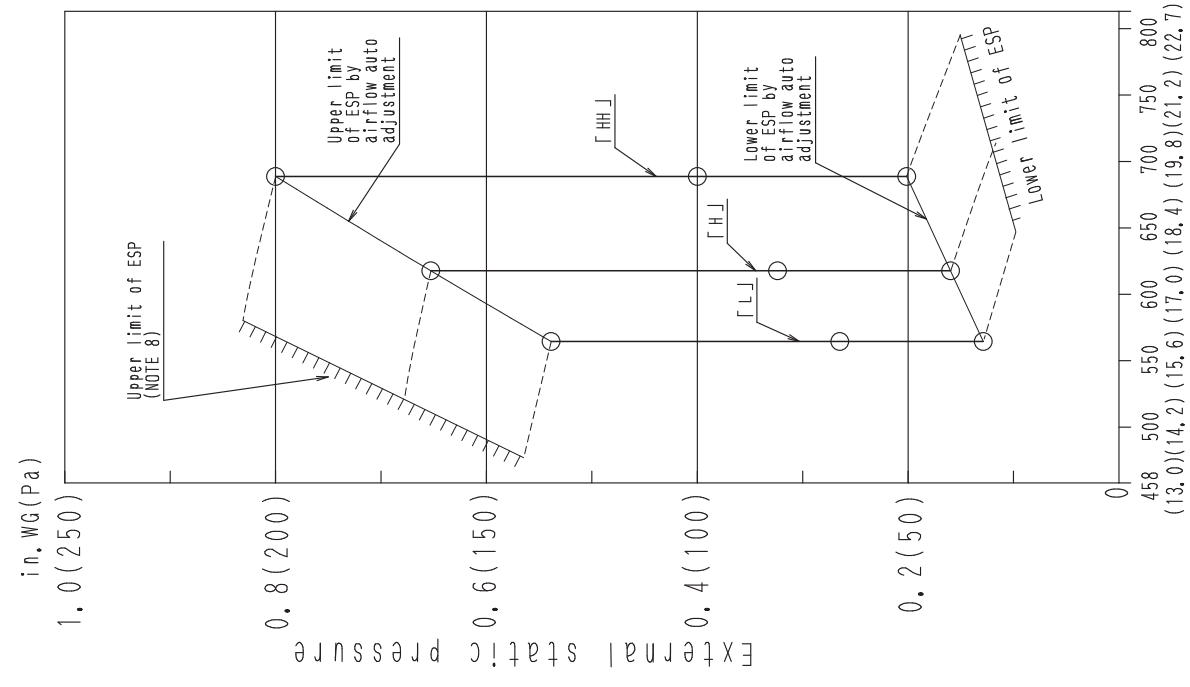
FXMQ18PBVJU

Notes :
1. This indoor unit has the "Automatic air flow rate adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of ±10% of the rated value, at the time of installation.
2. After duct construction completion, please perform local setting " airflow auto adjustment " by remote controller.
3. About the local setting method of the "airflow auto adjustment", look at the installation manual which is attached to an indoor unit.
4. External static pressure that can adjust by "airflow auto adjustment" function is 0.2in.WG(50Pa) – 0.8in.WG(200Pa) (When air flow is HH).
5. If the unit is used beyond the range of the above-mentioned external static pressure, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "HH" "H" and "L".
7. The remote controller can be used to change "HH" "H" and "L".
8. ESP : external static pressure.
9. Please set the external static pressure of the suction duct at 0.6in.WG(150Pa) or less.



3D066130F

FXMQ24PBVJU

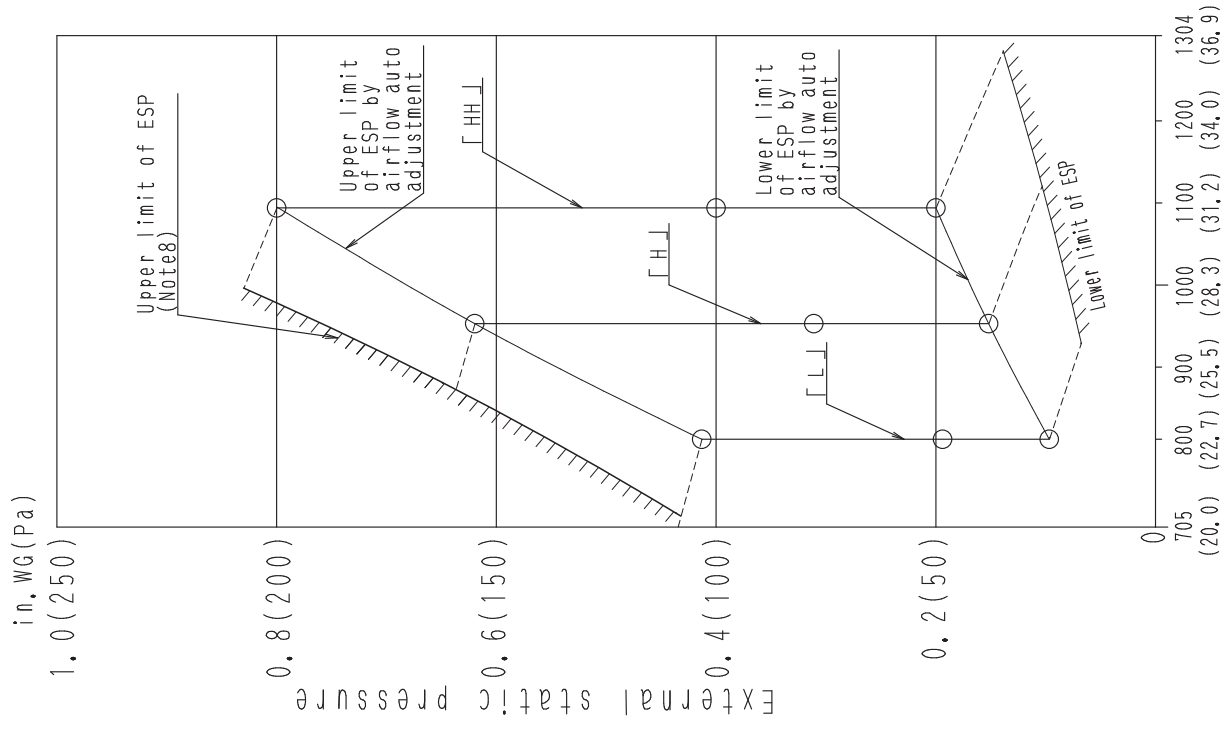


3D066131F

Notes :
1. This indoor unit has the "Automatic air flow rate adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of ±10% of the rated value, at the time of installation.
2. After duct construction completion, please perform local setting " airflow auto adjustment " by remote controller.
3. About the local setting method of the "airflow auto adjustment", look at the installation manual which is attached to an indoor unit.
4. External static pressure that can adjust by "airflow auto adjustment" function is 0.2in. WG(50Pa) – 0.8in. WG(200Pa) (When air flow is HH).
5. If the unit is used beyond the range of the above-mentioned external static pressure, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "HH" "H" and "L".
7. The remote controller can be used to change "HH" "H" and "L".
8. ESP : external static pressure.
9. Please set the external static pressure of the suction duct at 0.6in. WG(150Pa) or less.

FXMQ30PBVJU

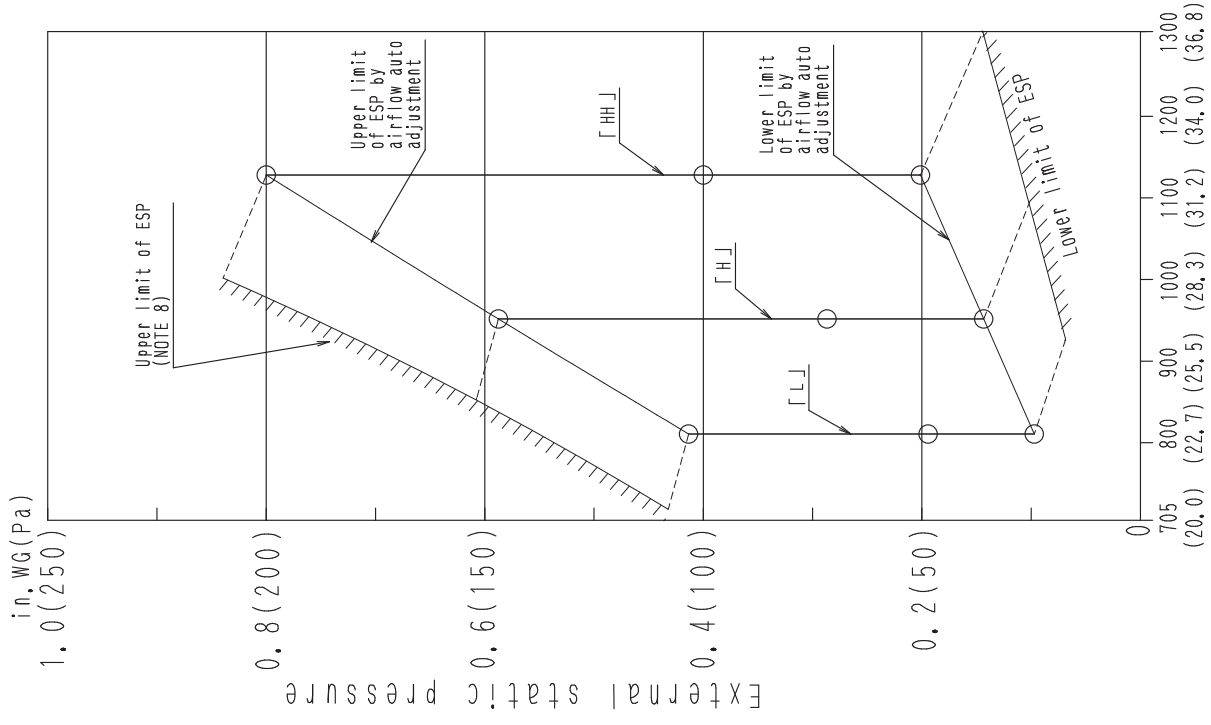
Notes :
1. This indoor unit has the "Automatic air flow rate adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of ±10% of the rated value, at the time of installation.
2. After duct construction completion, please perform local setting " airflow auto adjustment " by remote controller.
3. About the local setting method of the "airflow auto adjustment", look at the installation manual which is attached to an indoor unit.
4. External static pressure that can adjust by "airflow auto adjustment" function is 0.2in.WG(50Pa) – 0.8in.WG(200Pa) (When air flow is HH).
5. If the unit is used beyond the range of the above-mentioned external static pressure, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "HH" "H" and "L".
7. The remote controller can be used to change "HH" "H" and "L".
8. ESP : external static pressure.
9. Please set the external static pressure of the suction duct at 0.6in.WG(150Pa) or less.



3D087747B

FXMQ36PBVJU

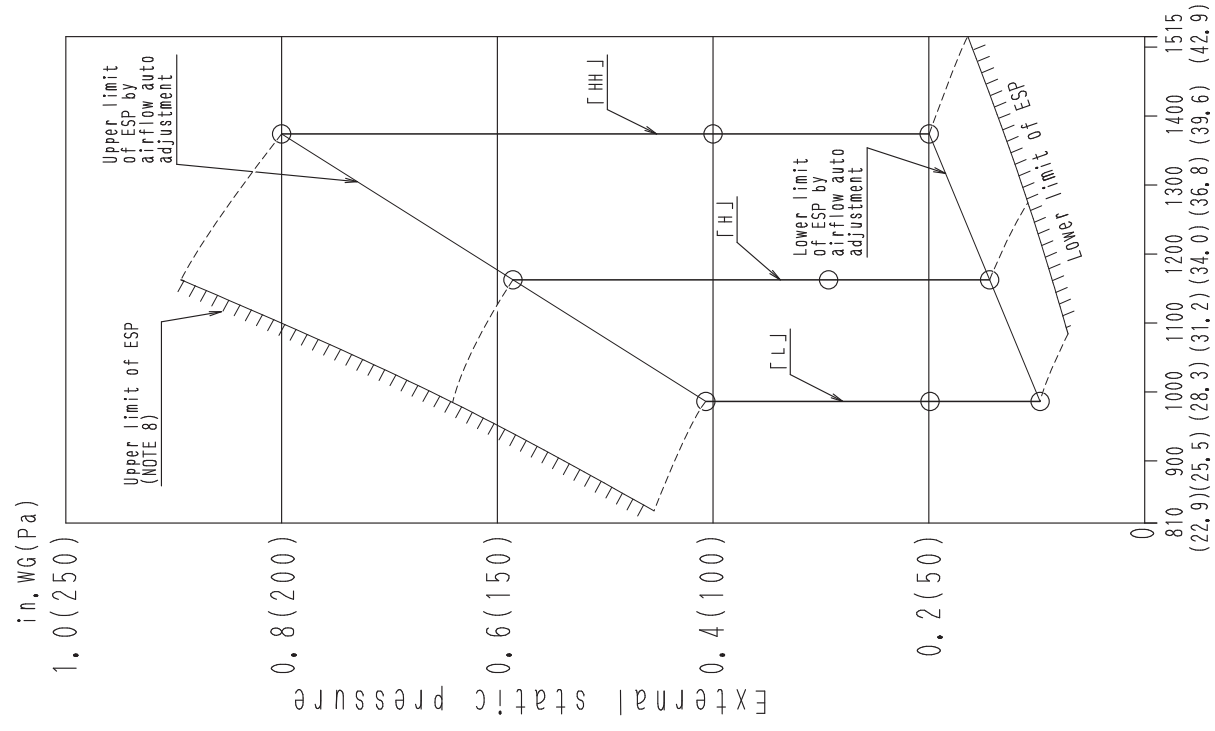
Notes :
1. This indoor unit has the "Automatic air flow rate adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of ±10% of the rated value, at the time of installation.
2. After duct construction completion, please perform local setting " airflow auto adjustment " by remote controller.
3. About the local setting method of the "airflow auto adjustment", look at the installation manual which is attached to an indoor unit.
4. External static pressure that can adjust by "airflow auto adjustment" function is 0.2in.WG(50Pa) – 0.8in.WG(200Pa) (When air flow is HH).
5. If the unit is used beyond the range of the above-mentioned external static pressure, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "HH" "H" and "L".
7. The remote controller can be used to change "HH" "H" and "L".
8. ESP : external static pressure.
9. Please set the external static pressure of the suction duct at 0.6in.WG(150Pa) or less.



3D066133F

FXMQ48PBVJU

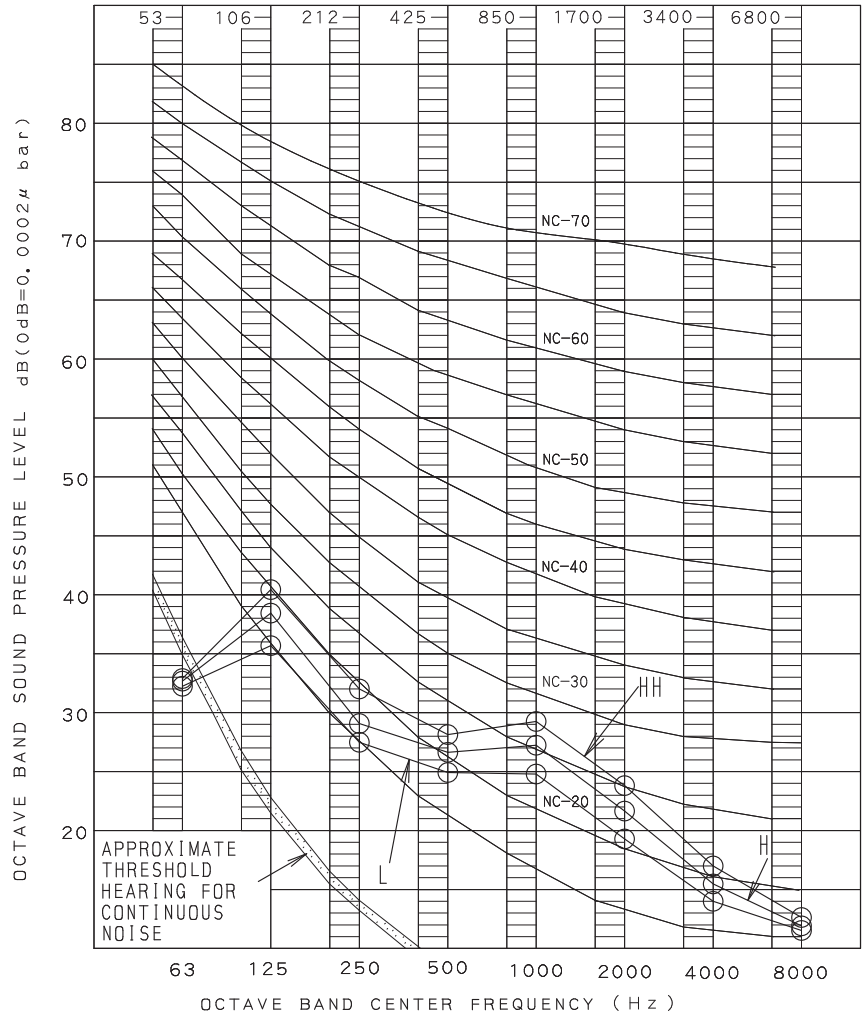
Notes :
1. This indoor unit has the "Automatic air flow rate adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of ±10% of the rated value, at the time of installation.
2. After duct construction completion, please perform local setting " airflow auto adjustment " by remote controller.
3. About the local setting method of the "airflow auto adjustment", look at the installation manual which is attached to an indoor unit.
4. External static pressure that can adjust by "airflow auto adjustment" function is 0.2in.WG(50Pa) – 0.8in.WG(200Pa) (When air flow is HH).
5. If the unit is used beyond the range of the above-mentioned external static pressure, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "HH" "H" and "L".
7. The remote controller can be used to change "HH" "H" and "L".
8. ESP : external static pressure.
9. Please set the external static pressure of the suction duct at 0.6in.WG(150Pa) or less.



3D066450E

13.Sound Levels (Reference Data)

FXMQ07-09PBVJU



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	33.0	31.0	29.0

(B.G.N IS ALREADY RECTIFIED)

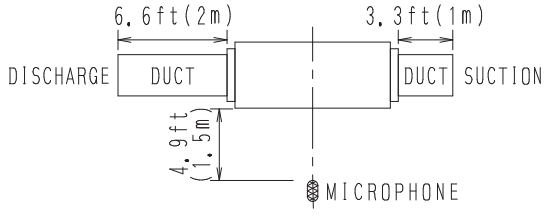
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE:80.0°F(26.7°C) DB, 67.0°F(19.4°C) WB OUTDOOR TEMPERATURE:95.0°F(35.0°C) DB, 75.0°F(23.9°C) WB
HEATING	RETURN AIR TEMPERATURE:70.0°F(21.1°C) DB, 60.0°F(15.6°C) WB OUTDOOR TEMPERATURE:47.0°F(8.3°C) DB, 43.0°F(6.1°C) WB

MEASURING PLACE

ANECHOIC CHAMBER

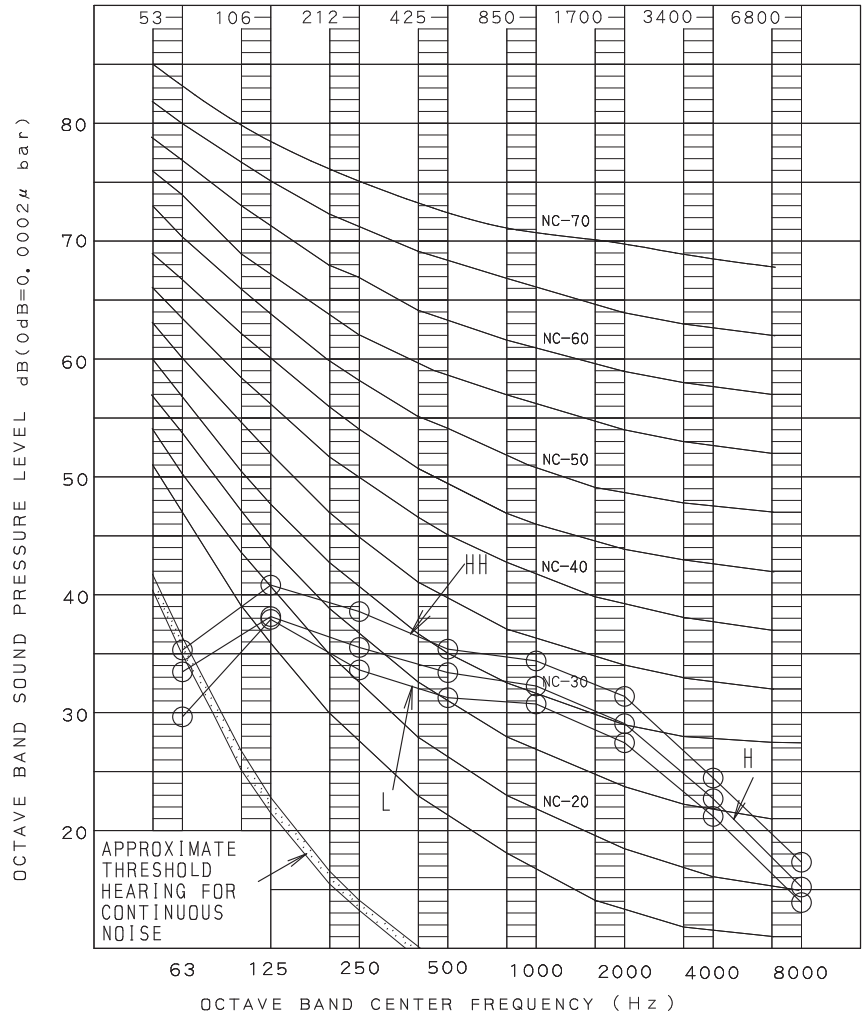
EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: Operation noise differs with operation and ambient conditions.

4D087546B

FXMQ12PBVJU



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	39.0	37.0	35.0

(B.G.N IS ALREADY RECTIFIED)

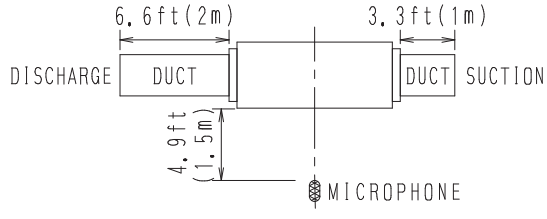
MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE:80.0°F(26.7°C) DB, 67.0°F(19.4°C) WB OUTDOOR TEMPERATURE:95.0°F(35.0°C) DB, 75.0°F(23.9°C) WB
HEATING	RETURN AIR TEMPERATURE:70.0°F(21.1°C) DB, 60.0°F(15.6°C) WB OUTDOOR TEMPERATURE:47.0°F(8.3°C) DB, 43.0°F(6.1°C) WB

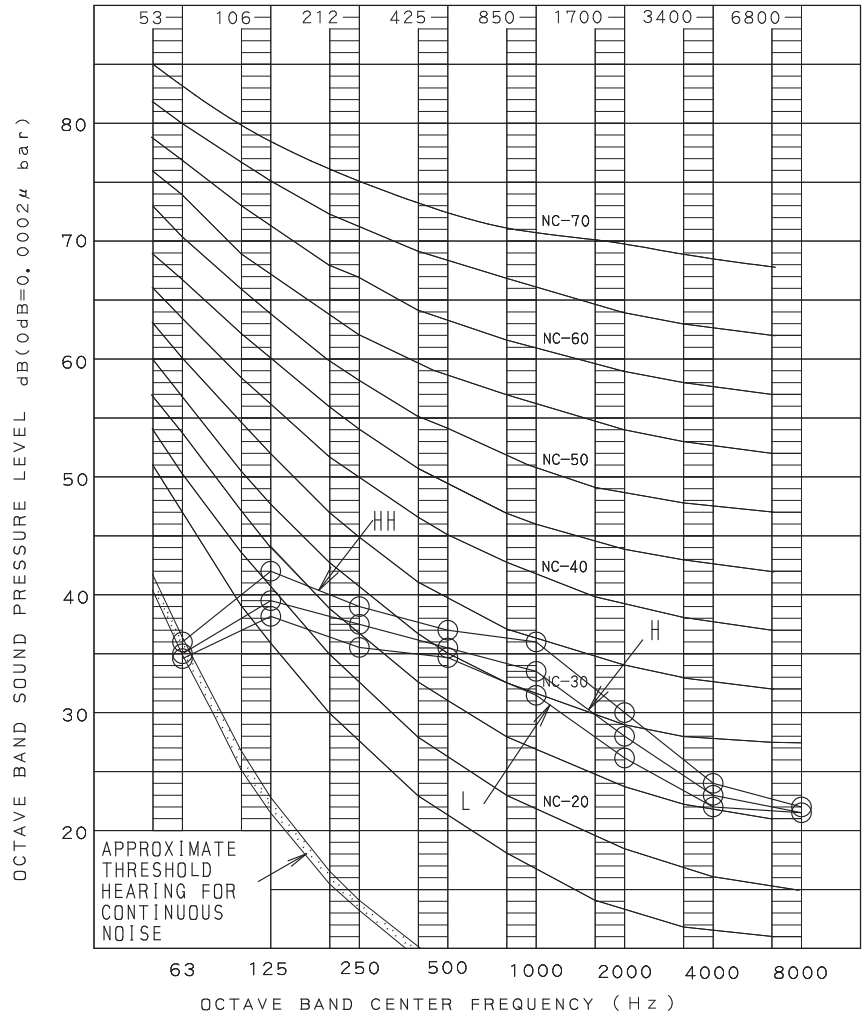
EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: Operation noise differs with operation and ambient conditions.

4D087550B

FXMQ15PBVJU



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	40.0	38.0	37.0

(B.G.N IS ALREADY RECTIFIED)

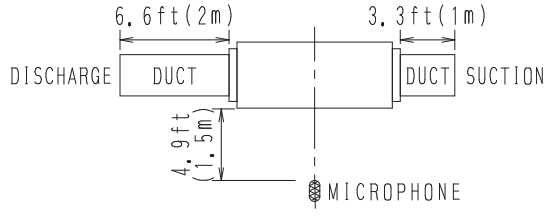
MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

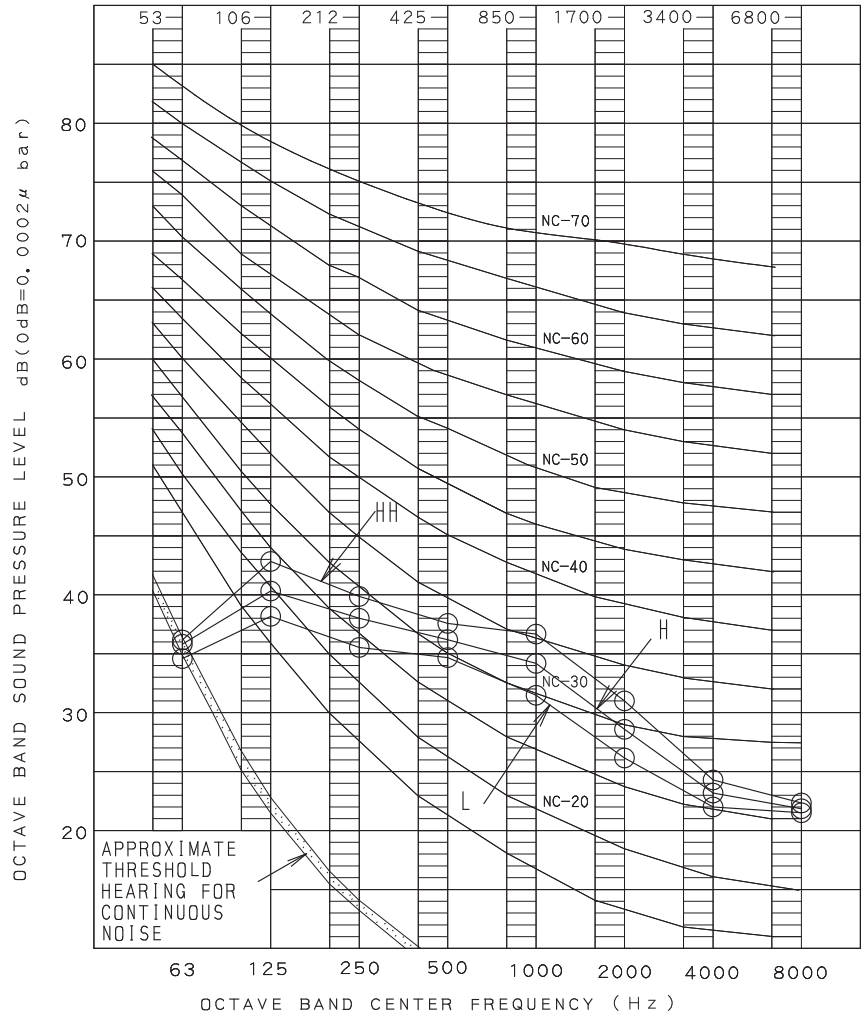
POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE:80.0°F(26.7°C) DB, 67.0°F(19.4°C) WB OUTDOOR TEMPERATURE:95.0°F(35.0°C) DB, 75.0°F(23.9°C) WB
HEATING	RETURN AIR TEMPERATURE:70.0°F(21.1°C) DB, 60.0°F(15.6°C) WB OUTDOOR TEMPERATURE:47.0°F(8.3°C) DB, 43.0°F(6.1°C) WB

EXTERNAL STATIC PRESSURE 0.4in.WG(100Pa)



NOTE: Operation noise differs with operation and ambient conditions.

FXMQ18PBVJU



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	41.0	39.0	37.0

(B.G.N IS ALREADY RECTIFIED)

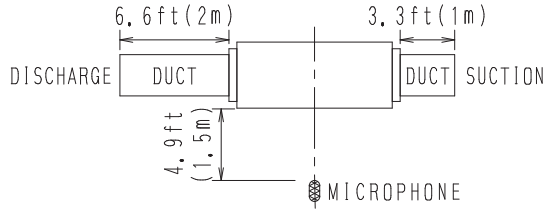
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE:80.0°F(26.7°C) DB, 67.0°F(19.4°C) WB OUTDOOR TEMPERATURE:95.0°F(35.0°C) DB, 75.0°F(23.9°C) WB
HEATING	RETURN AIR TEMPERATURE:70.0°F(21.1°C) DB, 60.0°F(15.6°C) WB OUTDOOR TEMPERATURE:47.0°F(8.3°C) DB, 43.0°F(6.1°C) WB

MEASURING PLACE

ANECHOIC CHAMBER

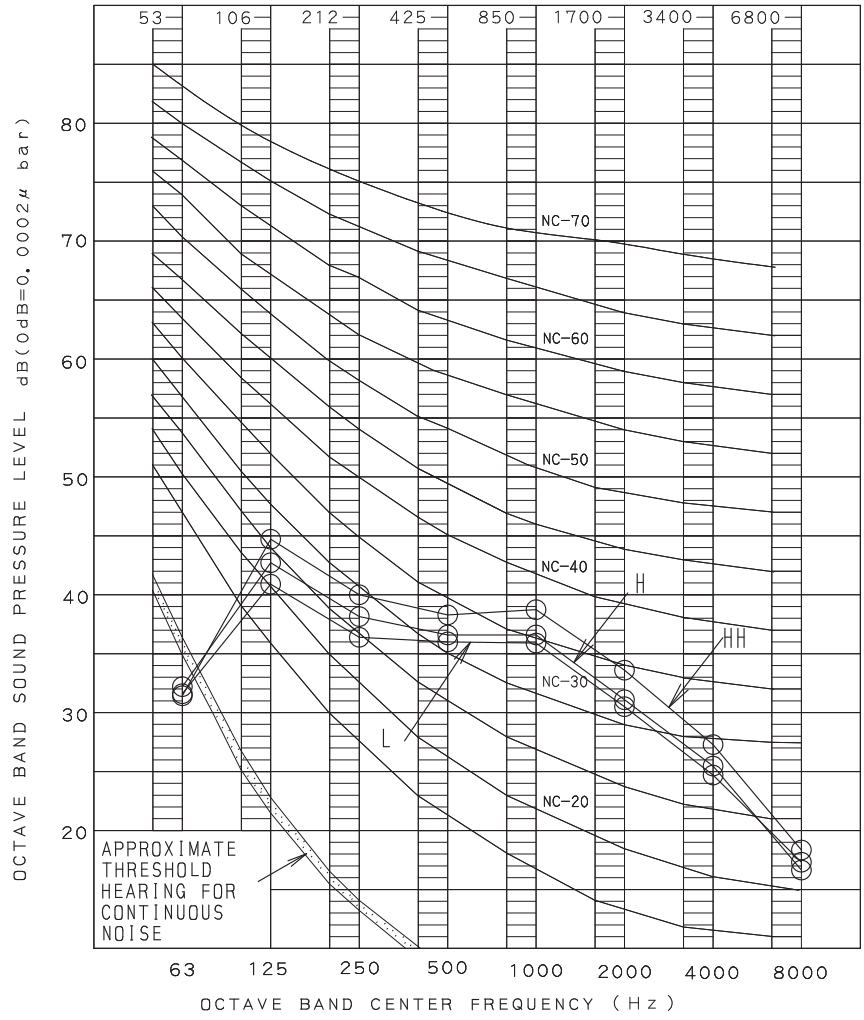
EXTERNAL STATIC PRESSURE 0.4in.WG(100Pa)



NOTE: Operation noise differs with operation and ambient conditions.

4D087551B

FXMQ24PBVJU



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	42.0	40.0	38.0

(B.G.N IS ALREADY RECTIFIED)

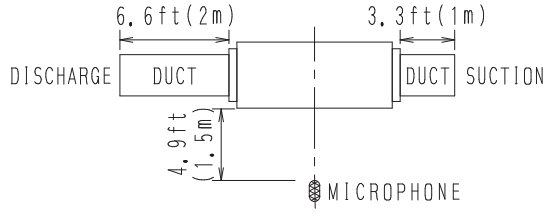
MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE:80.0°F(26.7°C) DB, 67.0°F(19.4°C) WB OUTDOOR TEMPERATURE:95.0°F(35.0°C) DB, 75.0°F(23.9°C) WB
HEATING	RETURN AIR TEMPERATURE:70.0°F(21.1°C) DB, 60.0°F(15.6°C) WB OUTDOOR TEMPERATURE:47.0°F(8.3°C) DB, 43.0°F(6.1°C) WB

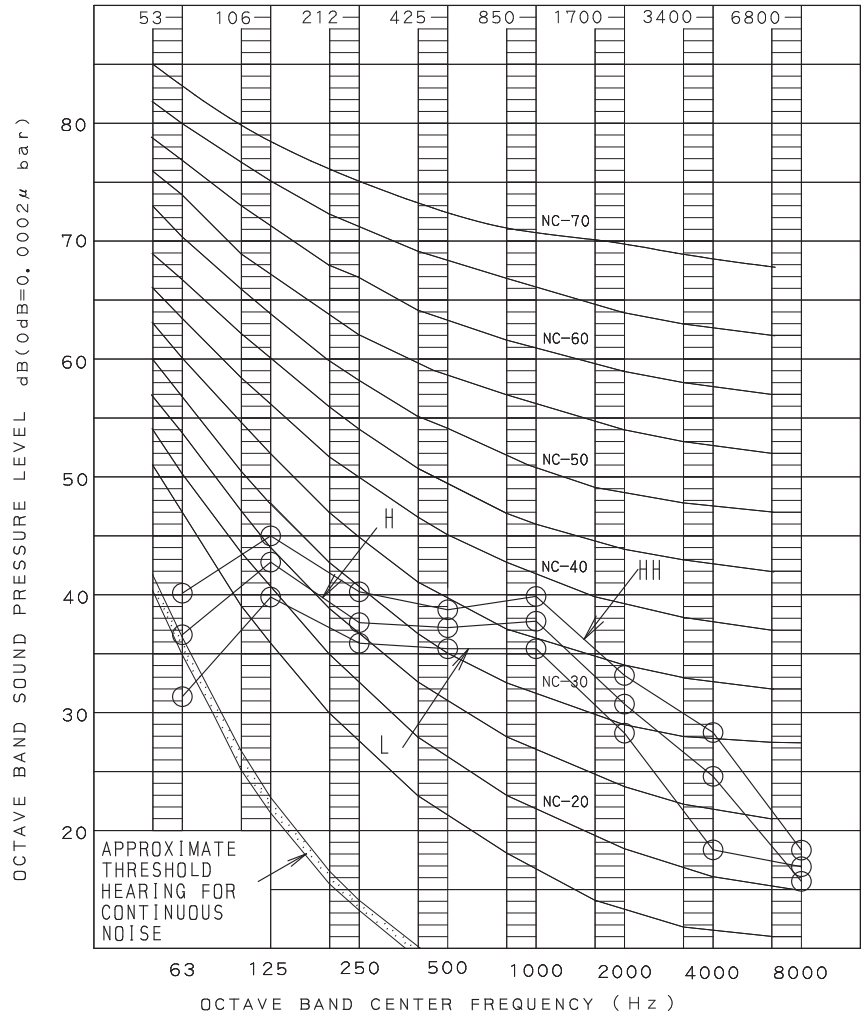
EXTERNAL STATIC PRESSURE 0.4in.WG(100Pa)



NOTE: Operation noise differs with operation and ambient conditions.

4D087552B

FXMQ30-36PBVJU



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	43.0	41.0	39.0

(B.G.N IS ALREADY RECTIFIED)

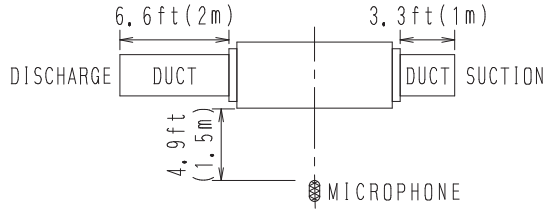
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE:80.0°F(26.7°C) DB, 67.0°F(19.4°C) WB OUTDOOR TEMPERATURE:95.0°F(35.0°C) DB, 75.0°F(23.9°C) WB
HEATING	RETURN AIR TEMPERATURE:70.0°F(21.1°C) DB, 60.0°F(15.6°C) WB OUTDOOR TEMPERATURE:47.0°F(8.3°C) DB, 43.0°F(6.1°C) WB

MEASURING PLACE

ANECHOIC CHAMBER

EXTERNAL STATIC PRESSURE 0.4in.WG(100Pa)



NOTE: Operation noise differs with operation and ambient conditions.

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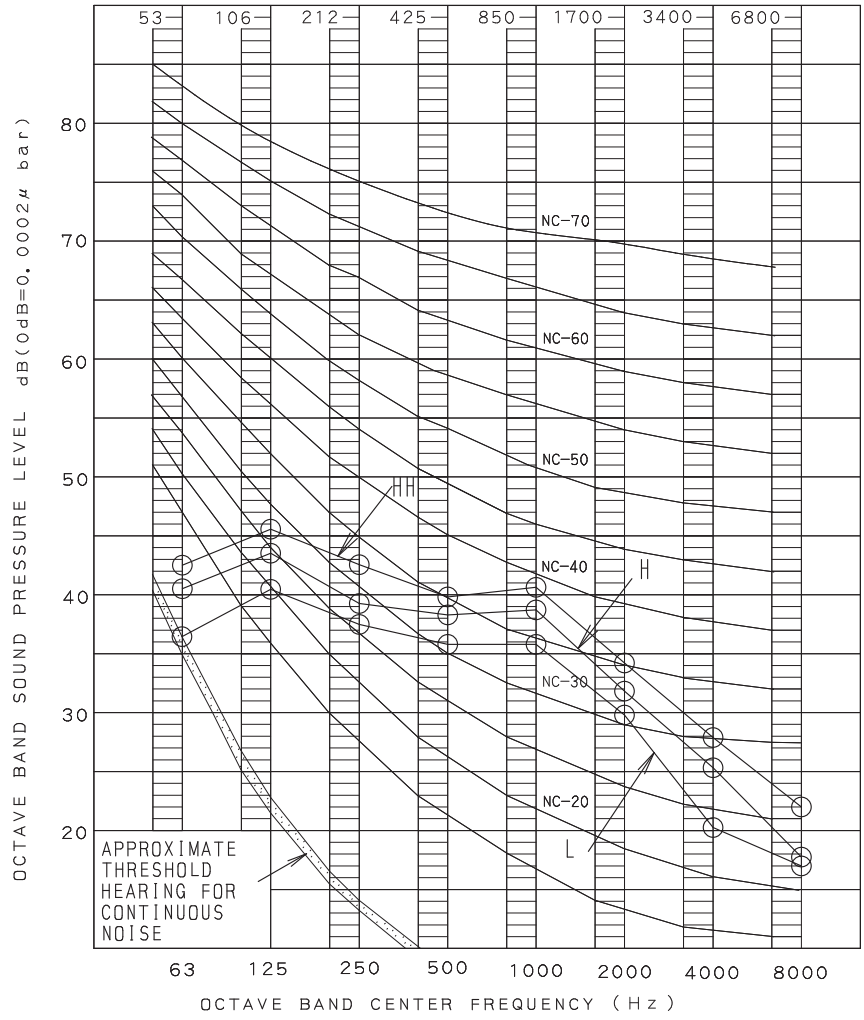
FXMQ48PBVJU



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	44.0	42.0	40.0

(B.G.N IS ALREADY RECTIFIED)

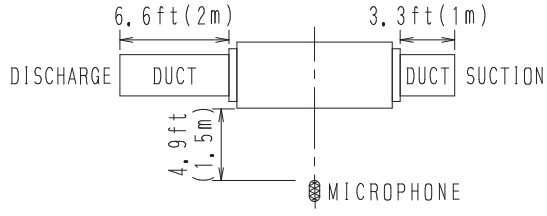
MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE:80.0°F(26.7°C) DB, 67.0°F(19.4°C) WB OUTDOOR TEMPERATURE:95.0°F(35.0°C) DB, 75.0°F(23.9°C) WB
HEATING	RETURN AIR TEMPERATURE:70.0°F(21.1°C) DB, 60.0°F(15.6°C) WB OUTDOOR TEMPERATURE:47.0°F(8.3°C) DB, 43.0°F(6.1°C) WB

EXTERNAL STATIC PRESSURE 0.4in.WG(100Pa)



NOTE: Operation noise differs with operation and ambient conditions.

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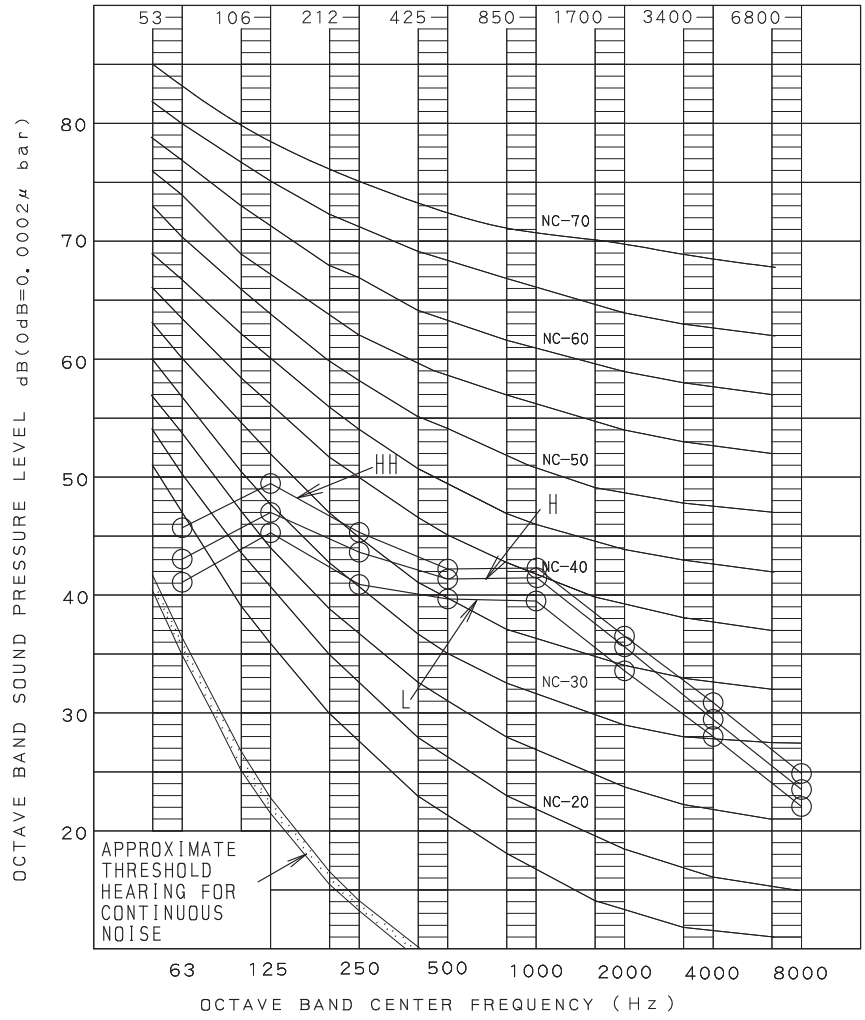
FXMQ54PBVJU



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	46.0	45.0	43.0

(B.G.N IS ALREADY RECTIFIED)

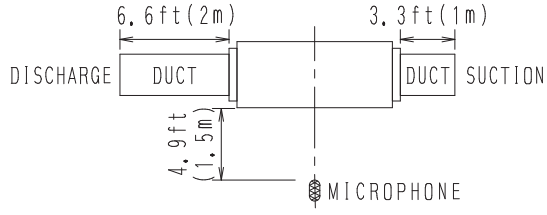
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
COOLING	RETURN AIR TEMPERATURE:80.0°F(26.7°C) DB, 67.0°F(19.4°C) WB OUTDOOR TEMPERATURE:95.0°F(35.0°C) DB, 75.0°F(23.9°C) WB
HEATING	RETURN AIR TEMPERATURE:70.0°F(21.1°C) DB, 60.0°F(15.6°C) WB OUTDOOR TEMPERATURE:47.0°F(8.3°C) DB, 43.0°F(6.1°C) WB

MEASURING PLACE

ANECHOIC CHAMBER

EXTERNAL STATIC PRESSURE 0.4in.WG(100Pa)



NOTE: Operation noise differs with operation and ambient conditions.

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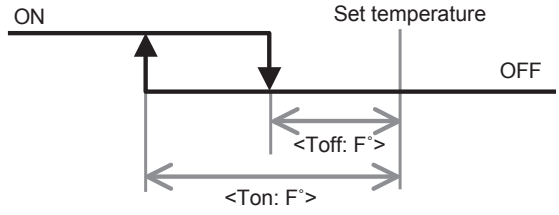
14.Auxiliary Electric Heater Setting

Auxiliary electric heater ON/OFF temperature setting

- While in heating operation, the heater control (ON/OFF) is conducted as shown below;



- Perform field setting using the remote controller.

Mode No.	FIRST CODE NO.	CODE	SECOND CODE NO.					
			01*	02	03	04	05	06
11 (21)	1	<Ton>	-7.2	-6.3	-5.4	-4.5	-3.6	-2.7
		<Toff>	-3.6	-2.7	-1.8	-0.9	0	0.9

* factory set

Warning

- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any inquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

●Specifications, designs and other content appearing in this brochure are current as of June 2020 but subject to change without notice.