EDUS392235-F17
202210

DAIKIN

Engineering Data

MSP Concealed Ducted Unit

FXSQ-TBVJU

60 Hz

R-410A

VRV

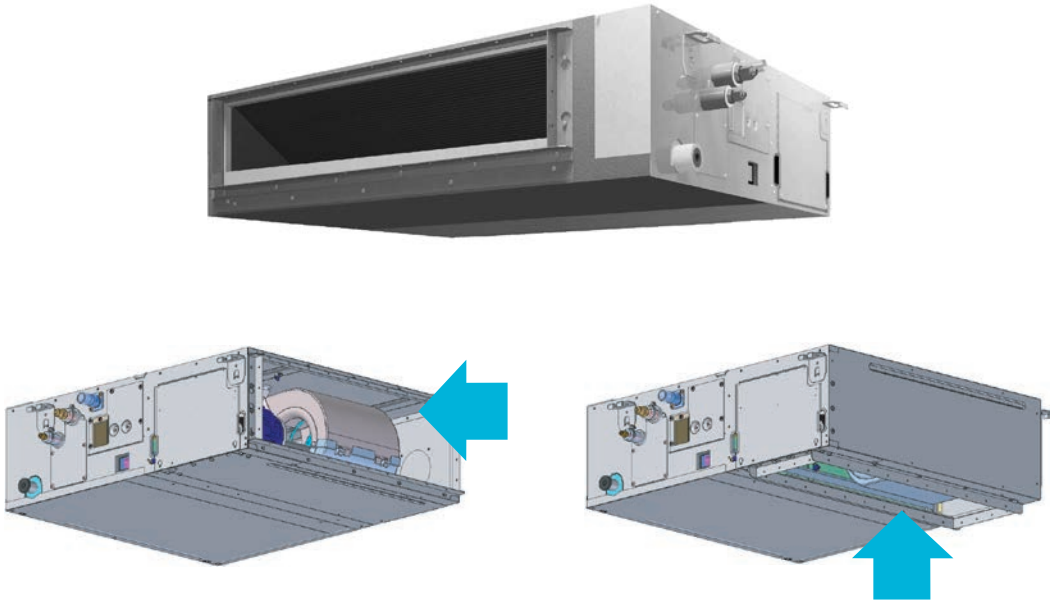
Table of Contents

1. Features and Benefits

The FXSQ_TBVJU MSP Concealed Ducted unit gives designers a tool to approach even the most cramped air conditioning applications.

- Low profile chassis design measures 9-11/16" (245 mm) deep
- Powerful static pressure capability, with up to 0.6 in.w.g. (150 Pa) external static pressure
- Designed for installation flexibility, with a factory rear-return configuration and field convertible to bottom return
- DC fan motor with Auto* fan speed control optimizes fan energy use by intelligently controlling the fan speed in response to room temperature conditions
- Ease of installation with auto adjusting airflow at commissioning based on the external static pressure
- Configurable auxiliary heat control allows for high degree of control of heater on/off temperatures
- Integral condensate pump with up to 25-5/16" (643 mm) of lift from the drain outlet
- A maintenance-friendly drain pan inspection port makes it quick and easy to check the conditions of the drain pan.
- Backed by 10 year parts limited warranty**

*Requires BRC1E73 or intelligent Touch Manager
**Complete warranty details available from local distributor or manufacturer's representative



2. Specifications

MSP concealed ducted unit

Model			FXSQ05TBVJU	FXSQ07TBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	5,800 (1.7)	7,200 (2.1)
★2, ★3 Heating capacity		Btu/h (kW)	6,500 (1.9)	8,500 (2.5)
Casing			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	9-11/16 × 21-11/16 × 31-1/2 (245 × 550 × 800)	9-11/16 × 21-11/16 × 31-1/2 (245 × 550 × 800)
Coil (cross fin coil)	Rows × Stages × FPI		2 × 26 × 19	2 × 26 × 19
	Face area	ft² (m²)	1.33 (0.124)	1.33 (0.124)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	Hp (W)	0.10 (78)	0.10 (78)
	Airflow rate (H / M / L)	SCFM (m³/min)	281 / 265 / 230 (8 / 7.5 / 6.5)	281 / 265 / 230 (8 / 7.5 / 6.5)
	External static pressure	in. H_2O (Pa)	Standard 0.20 (0.60-0.12 ★4) (50 (150-30))	Standard 0.20 (0.60-0.12 ★4) (50 (150-30))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material			— ★5	— ★5
★6 Sound pressure level (reference data) (H / M / L)		dBA	33.0 / 30.0 / 28.0	33.0 / 30.0 / 28.0
★6 Sound power level (reference data)		dB	61	61
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 material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate	Operation manual, Installation manual, Drain hose, Sealing material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80.0°FDB (26.7°CDB), 67.0°FWB (19.4°CWB)
Outdoor temperature: 95.0°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: 70.0°FDB (21.1°CDB).
Outdoor temperature: 47.0°FDB (8.3°CDB), 43.0°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 13 stages (05-15 type), 11 stages (18-48 type), 10 stages (54 type) 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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MSP concealed ducted unit

Model			FXSQ09TBVJU	FXSQ12TBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	9,500 (2.8)	12,000 (3.5)
★2, ★3 Heating capacity		Btu/h (kW)	10,500 (3.1)	13,500 (4.0)
Casing			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	9-11/16 × 21-11/16 × 31-1/2 (245 × 550 × 800)	9-11/16 × 21-11/16 × 31-1/2 (245 × 550 × 800)
Coil (cross fin coil)	Rows × Stages × FPI		2 × 26 × 19	3 × 26 × 19
	Face area	ft² (m²)	1.33 (0.124)	1.33 (0.124)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	Hp (W)	0.10 (78)	0.10 (78)
	Airflow rate (H / M / L)	SCFM (m^3/min)	318 / 265 / 230 (9 / 7.5 / 6.5)	335 / 283 / 247 (9.5 / 8 / 7)
	External static pressure	in. H_2O (Pa)	Standard 0.20 (0.60-0.12 ★4) (50 (150-30))	Standard 0.20 (0.60-0.12 ★4) (50 (150-30))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material			— ★5	— ★5
★6 Sound pressure level (reference data) (H / M / L)		dBA	33.0 / 30.0 / 28.0	34.0 / 32.0 / 30.0
★6 Sound power level (reference data)		dB	61	62
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 material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate	Operation manual, Installation manual, Drain hose, Sealing material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80.0°FDB (26.7°CDB), 67.0°FWB (19.4°CWB)
Outdoor temperature: 95.0°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: 70.0°FDB (21.1°CDB).
Outdoor temperature: 47.0°FDB (8.3°CDB), 43.0°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 13 stages (05-15 type), 11 stages (18-48 type), 10 stages (54 type) 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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MSP concealed ducted unit

Model			FXSQ15TBVJU	FXSQ18TBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	15,000 (4.4)	18,000 (5.3)
★2, ★3 Heating capacity		Btu/h (kW)	17,000 (5.0)	20,000 (5.9)
Casing			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	9-11/16 × 27-9/16 × 31-1/2 (245 × 700 × 800)	9-11/16 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)
Coil (cross fin coil)	Rows × Stages × FPI		2 × 26 × 19	2 × 26 × 19
	Face area	ft² (m²)	1.92 (0.178)	3.10 (0.288)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	Hp (W)	0.17 (130)	0.31 (230)
	Airflow rate (H / M / L)	SCFM (m^3/min)	530 / 441 / 371 (15 / 12.5 / 10.5)	600 / 512 / 406 (17 / 14.5 / 11.5)
	External static pressure	in. H_2O (Pa)	Standard 0.20 (0.60-0.12 ★4) (50 (150-30))	Standard 0.20 (0.60-0.20 ★4) (50 (150-50))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material			— ★5	— ★5
★6 Sound pressure level (reference data) (H / M / L)		dBA	36.0 / 33.0 / 30.0	34.0 / 32.0 / 29.0
★6 Sound power level (reference data)		dB	64	62
Weight		lbs (kg)	60 (27)	77 (35)
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 material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate	Operation manual, Installation manual, Drain hose, Sealing material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80.0°FDB (26.7°CDB), 67.0°FWB (19.4°CWB)
Outdoor temperature: 95.0°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: 70.0°FDB (21.1°CDB).
Outdoor temperature: 47.0°FDB (8.3°CDB), 43.0°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 13 stages (05-15 type), 11 stages (18-48 type), 10 stages (54 type) 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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MSP concealed ducted unit

Model			FXSQ24TBVJU	FXSQ30TBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	24,000 (7.0)	30,000 (8.8)
★2, ★3 Heating capacity		Btu/h (kW)	27,000 (7.9)	34,000 (10.0)
Casing			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	9-11/16 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)	9-11/16 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)
Coil (cross fin coil)	Rows × Stages × FPI		2 × 26 × 19	3 × 26 × 19
	Face area	ft² (m²)	3.10 (0.288)	3.10 (0.288)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	Hp (W)	0.31 (230)	0.31 (230)
	Airflow rate (H / M / L)	SCFM (m^3/min)	742 / 618 / 512 (21 / 17.5 / 14.5)	812 / 689 / 565 (23 / 19.5 / 16)
	External static pressure	in. H_2O (Pa)	Standard 0.20 (0.60-0.20 ★4) (50 (150-50))	Standard 0.20 (0.60-0.20 ★4) (50 (150-50))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material			— ★5	— ★5
★6 Sound pressure level (reference data) (H / M / L)		dBA	36.0 / 32.0 / 29.0	37.5 / 34.0 / 30.0
★6 Sound power level (reference data)		dB	64	65.5
Weight		lbs (kg)	77 (35)	82 (37)
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 material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate	Operation manual, Installation manual, Drain hose, Sealing material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80.0°FDB (26.7°CDB), 67.0°FWB (19.4°CWB)
Outdoor temperature: 95.0°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: 70.0°FDB (21.1°CDB).
Outdoor temperature: 47.0°FDB (8.3°CDB), 43.0°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 13 stages (05-15 type), 11 stages (18-48 type), 10 stages (54 type) 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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MSP concealed ducted unit

Model			FXSQ36TBVJU	FXSQ48TBVJU
Power supply			1 phase, 60 Hz, 208/230 V	1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	36,000 (10.6)	48,000 (14.1)
★2, ★3 Heating capacity		Btu/h (kW)	40,000 (11.7)	54,000 (15.8)
Casing			Galvanized steel plate	Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	9-11/16 × 55-1/8 × 31-1/2 (245 × 1,400 × 800)	9-11/16 × 55-1/8 × 31-1/2 (245 × 1,400 × 800)
Coil (cross fin coil)	Rows × Stages × FPI		2 × 26 × 19	3 × 26 × 19
	Face area	ft² (m²)	4.66 (0.433)	4.66 (0.433)
Fan	Model		—	—
	Type		Sirocco fan	Sirocco fan
	Motor output	Hp (W)	0.40 (300)	0.40 (300)
	Airflow rate (H / M / L)	SCFM (m³/min)	1,130 / 953 / 795 (32 / 27 / 22.5)	1,307 / 1,112 / 918 (37 / 31.5 / 26)
	External static pressure	in. H_2O (Pa)	Standard 0.20 (0.60-0.20 ★4) (50 (150-50))	Standard 0.20 (0.60-0.20 ★4) (50 (150-50))
	Drive		Direct drive	Direct drive
Temperature control			Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material			— ★5	— ★5
★6 Sound pressure level (reference data) (H / M / L)		dBA	39.0 / 35.0 / 32.0	42.0 / 38.5 / 35.0
★6 Sound power level (reference data)		dB	67	70
Weight		lbs (kg)	101 (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 material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate	Operation manual, Installation manual, Drain hose, Sealing material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80.0°FDB (26.7°CDB), 67.0°FWB (19.4°CWB)
Outdoor temperature: 95.0°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: 70.0°FDB (21.1°CDB).
Outdoor temperature: 47.0°FDB (8.3°CDB), 43.0°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 13 stages (05-15 type), 11 stages (18-48 type), 10 stages (54 type) 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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MSP concealed ducted unit

Model			FXSQ54TBVJU
Power supply			1 phase, 60 Hz, 208/230 V
★1, ★3 Cooling capacity		Btu/h (kW)	54,000 (15.8)
★2, ★3 Heating capacity		Btu/h (kW)	60,000 (17.6)
Casing			Galvanized steel plate
Dimensions: (H × W × D)		in. (mm)	9-11/16 × 61 × 31-1/2 (245 × 1,550 × 800)
Coil (cross fin coil)	Rows × Stages × FPI		3 × 26 × 19
	Face area	ft² (m²)	5.25 (0.488)
Fan	Model		—
	Type		Sirocco fan
	Motor output	Hp (W)	0.47 (350)
	Airflow rate (H / M / L)	SCFM (m³/min)	1,377 / 1,183 / 989 (39.0 / 33.5 / 28.0)
	External static pressure	in. H_2O (Pa)	Standard 0.20 (0.56-0.20 ★4) (50 (140-50))
	Drive		Direct drive
Temperature control			Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material			— ★5
★6 Sound pressure level (reference data) (H / M / L)		dBA	43.0 / 40.0 / 36.0
★6 Sound power level (reference data)		dB	71
Weight		lbs (kg)	115 (52)
Piping connections	Liquid pipes	in. (mm)	ϕ3/8 (ϕ9.5) (flare connection)
	Gas pipes	in. (mm)	ϕ5/8 (ϕ15.9) (flare connection)
	Drain pipe	in. (mm)	VP25 (external dia. 1-1/4 (32), internal dia. 1 (25))
Safety devices			Fuse, Fan driver overload protector
Refrigerant control			Electronic expansion valve
Connectable outdoor unit			R410A ***VRV*** series
Standard accessories			Operation manual, Installation manual, Drain hose, Sealing material, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange, Conduit mounting plate

Note:

★1. Nominal cooling capacities are based on the following conditions:
Return air temperature: 80.0°FDB (26.7°CDB), 67.0°FWB (19.4°CWB)
Outdoor temperature: 95.0°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: 70.0°FDB (21.1°CDB).
Outdoor temperature: 47.0°FDB (8.3°CDB), 43.0°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 13 stages (05-15 type), 11 stages (18-48 type), 10 stages (54 type) 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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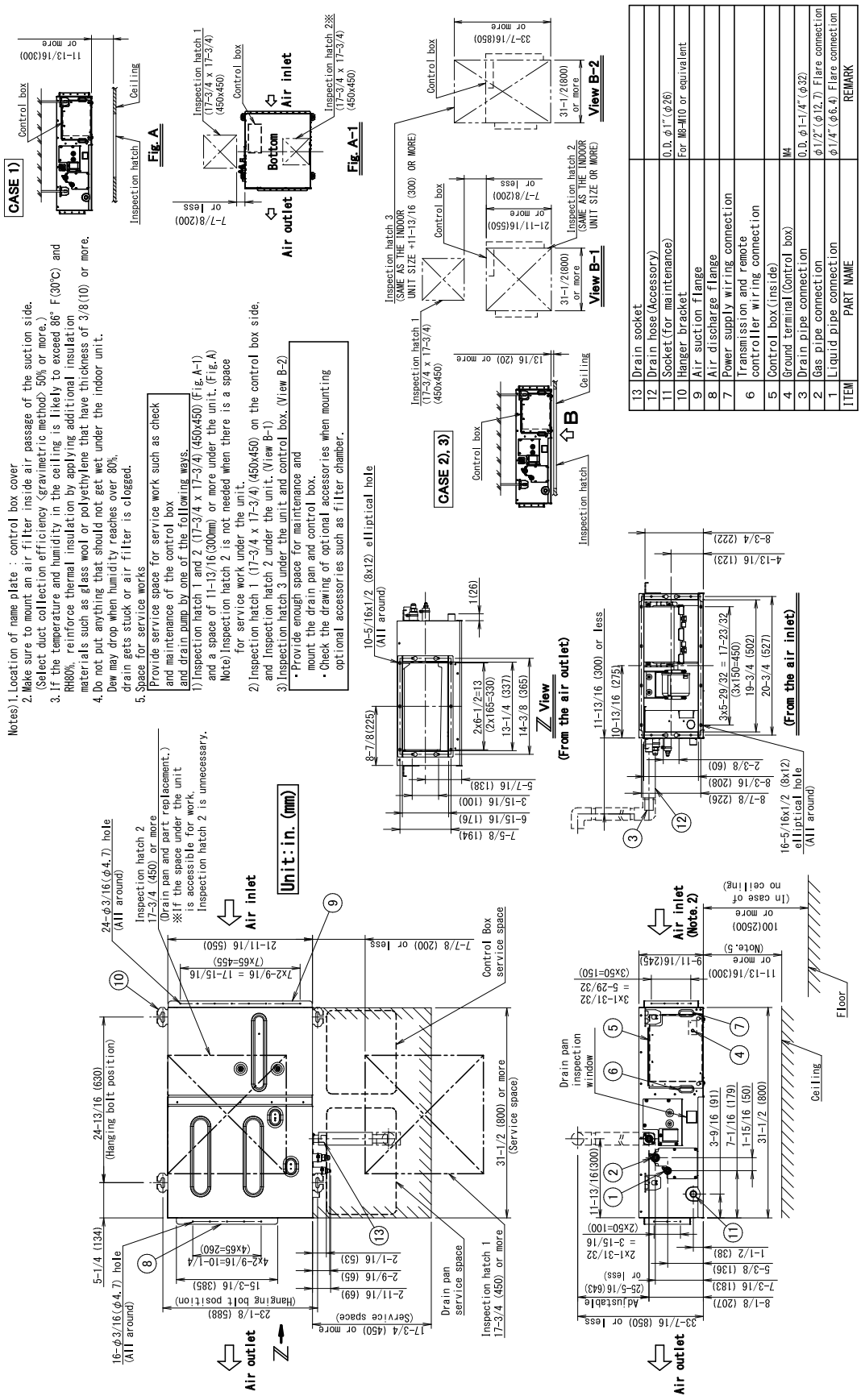
3. Dimensions

FXSQ05-12TBVJU



ITEM	PART NAME	REMARK
13	Drain socket	
12	Drain hose(Accessory)	
11	Socket(for maintenance)	O.D. ϕ1"(ϕ26)
10	Hanger bracket	For M8~M10 or equivalent
9	Air suction flange	
8	Air discharge flange	
7	Power supply wiring connection	
6	Transmission and remote controller wiring connection	
5	Control box(inside)	M4
4	Ground terminal(Control box)	
3	Drain pipe connection	O.D. ϕ1-1/4"(ϕ32)
2	Gas pipe connection	ϕ1/2"(ϕ12.7) Flare connection
1	Liquid pipe connection	ϕ1/4"(ϕ6.4) Flare connection

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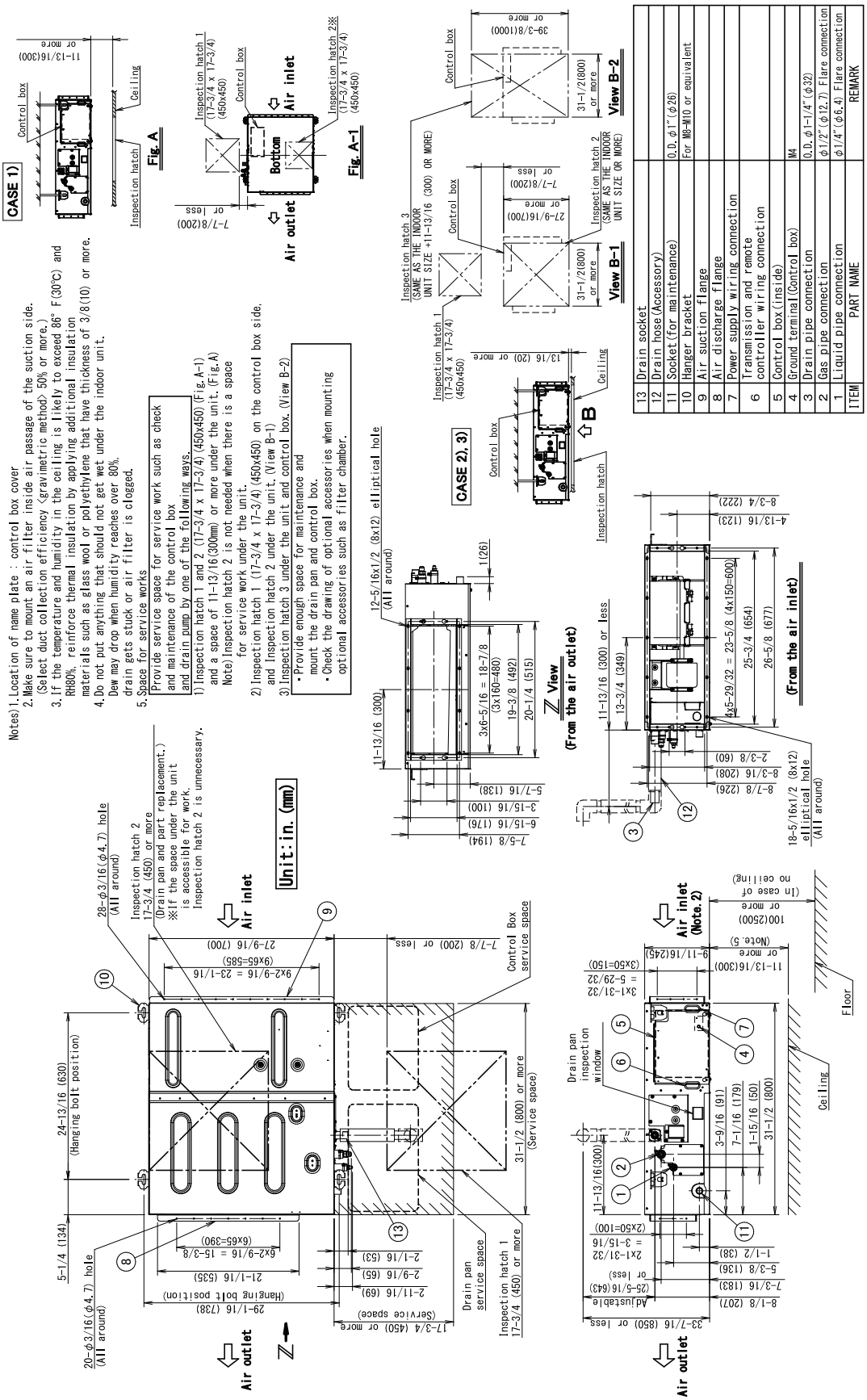
FXSQ15TBVJU



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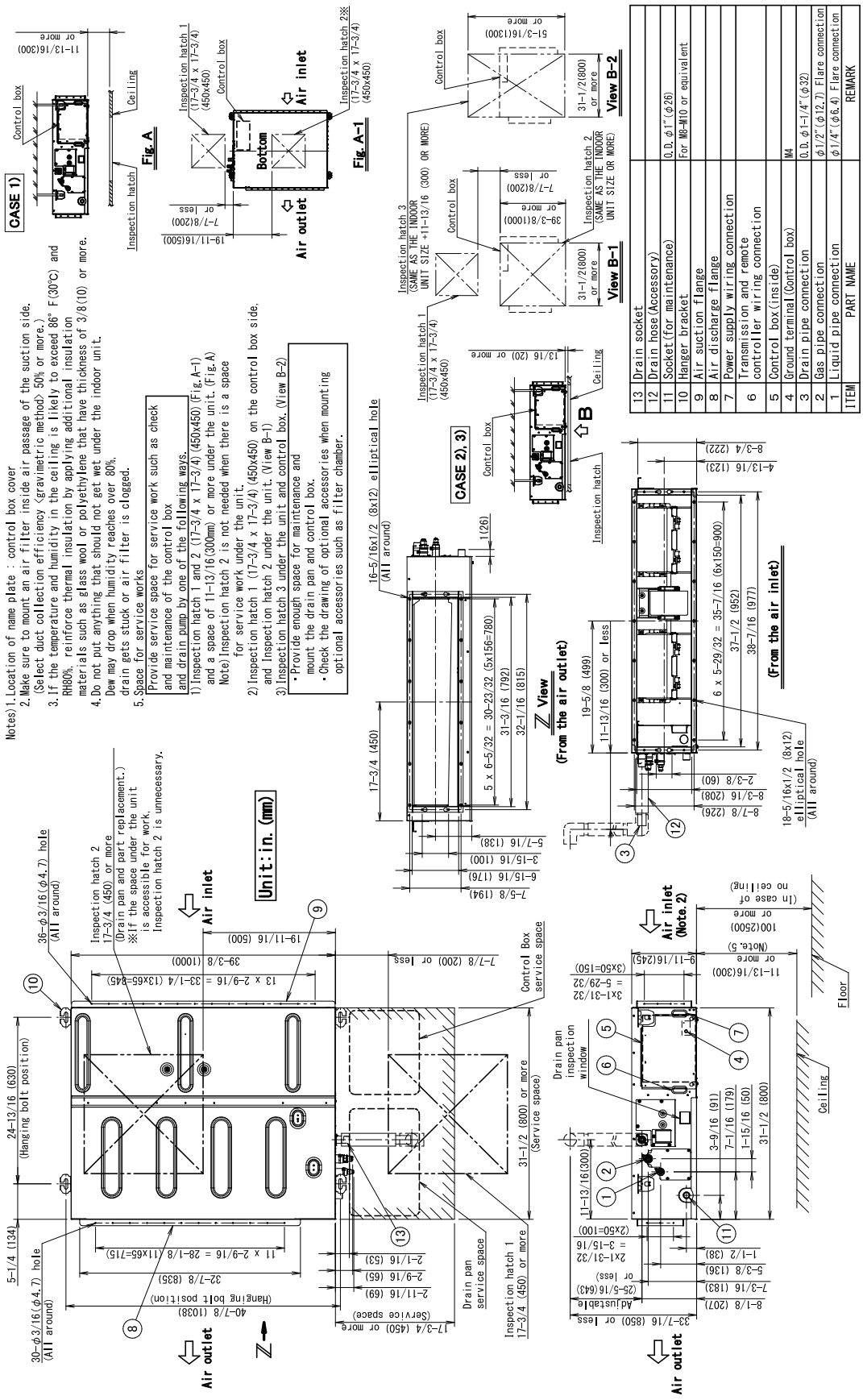
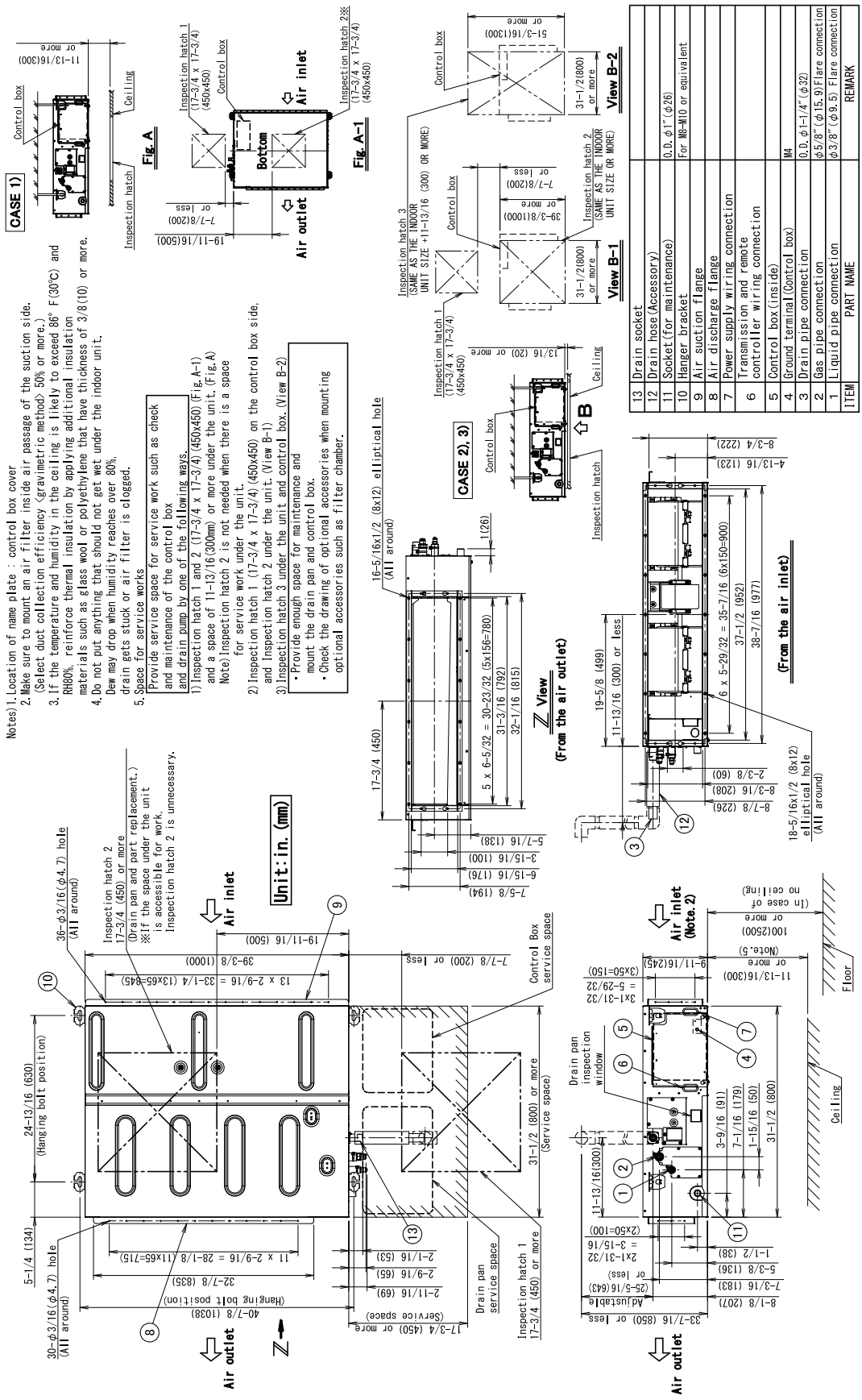
FXSQ18TBVJU



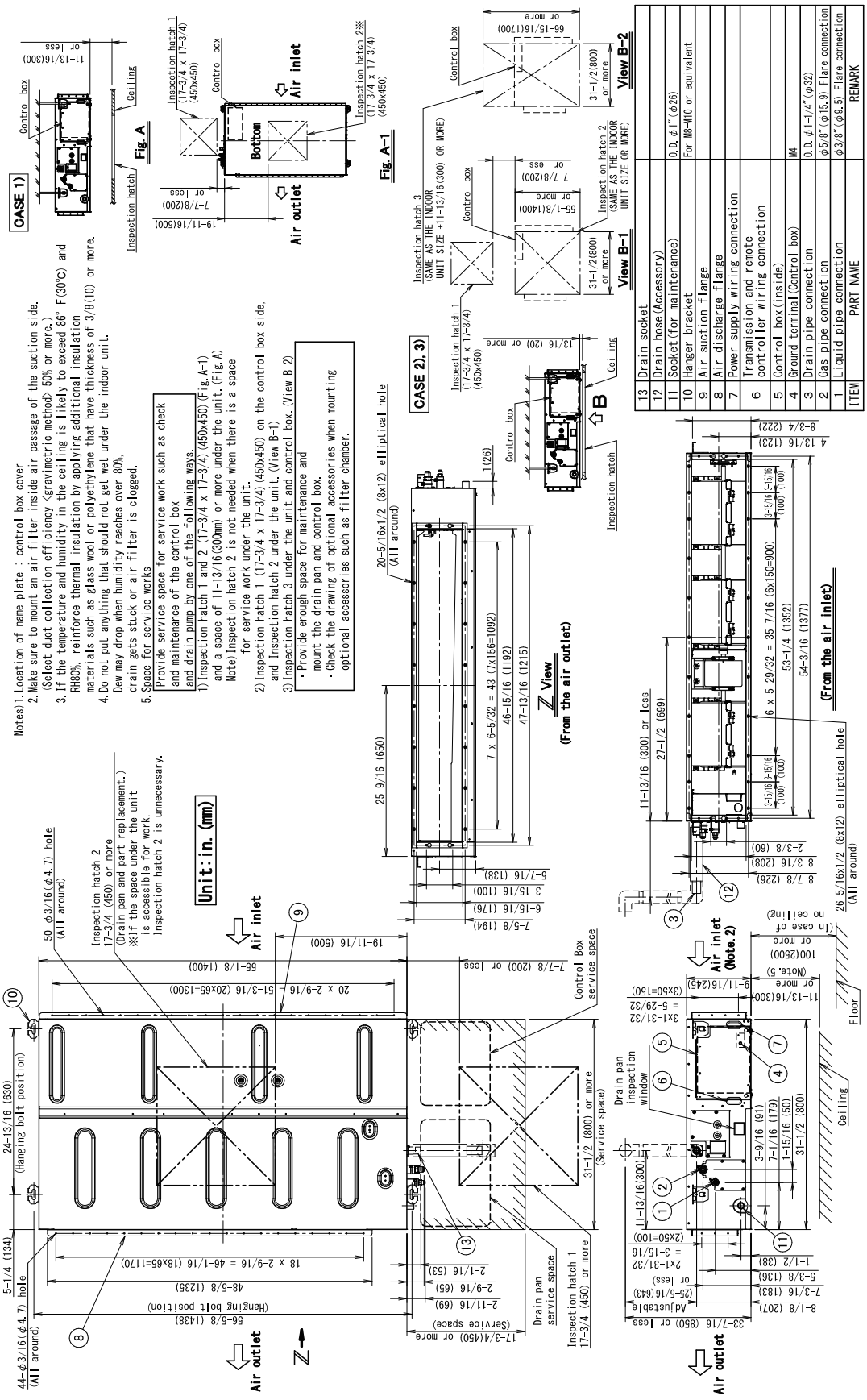
3D140722

FXSQ24-30TBVJU



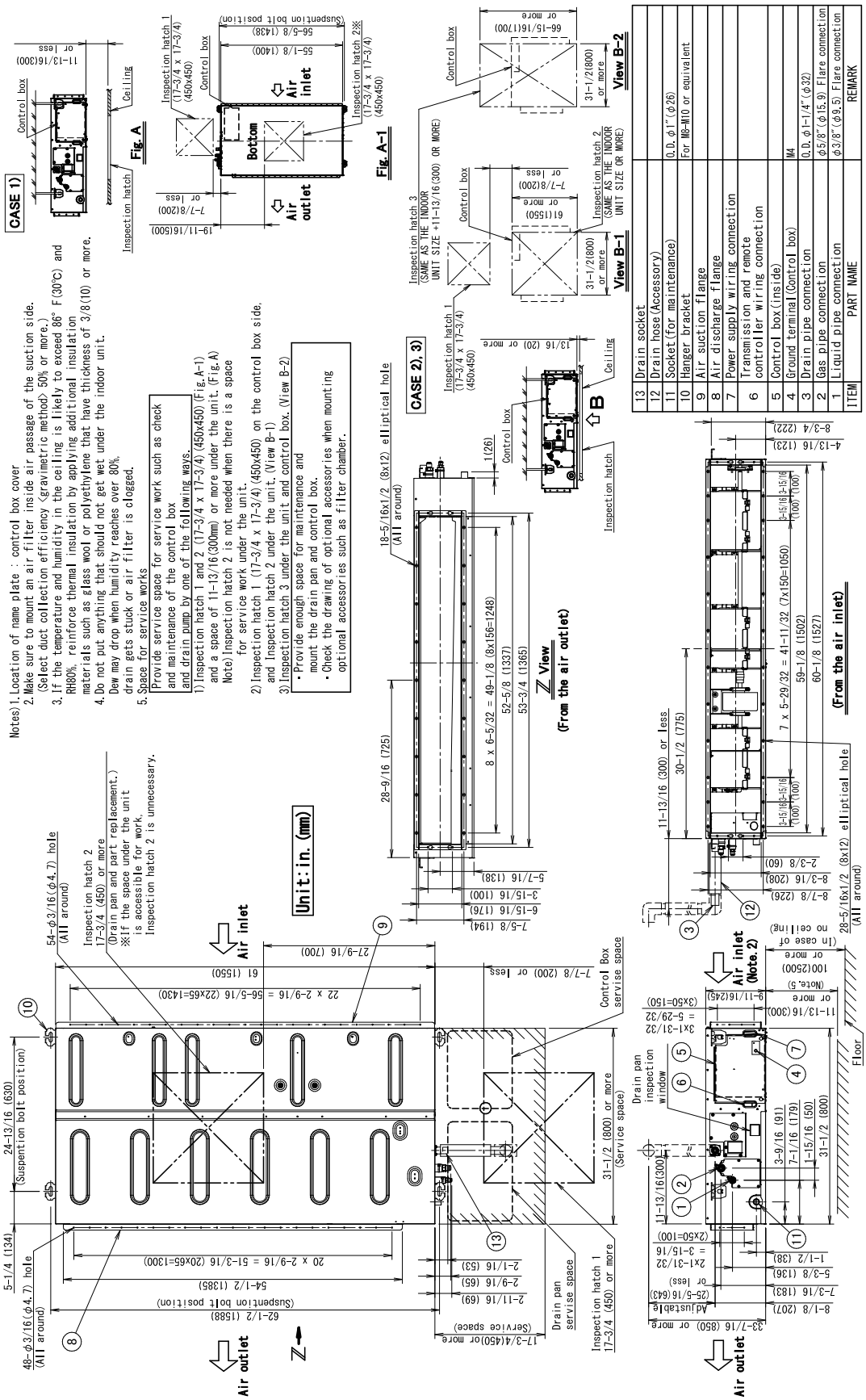
3D140723

FXSQ36-48TBVJU



3D140724

FXSQ54TBVJU

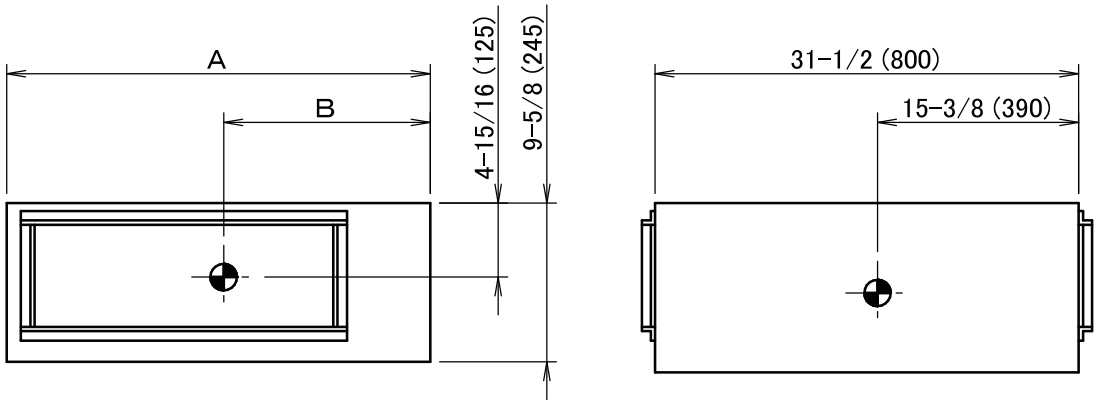


3D140725

4. Center of Gravity

FXSQ05-54TBVJU

in. (mm)

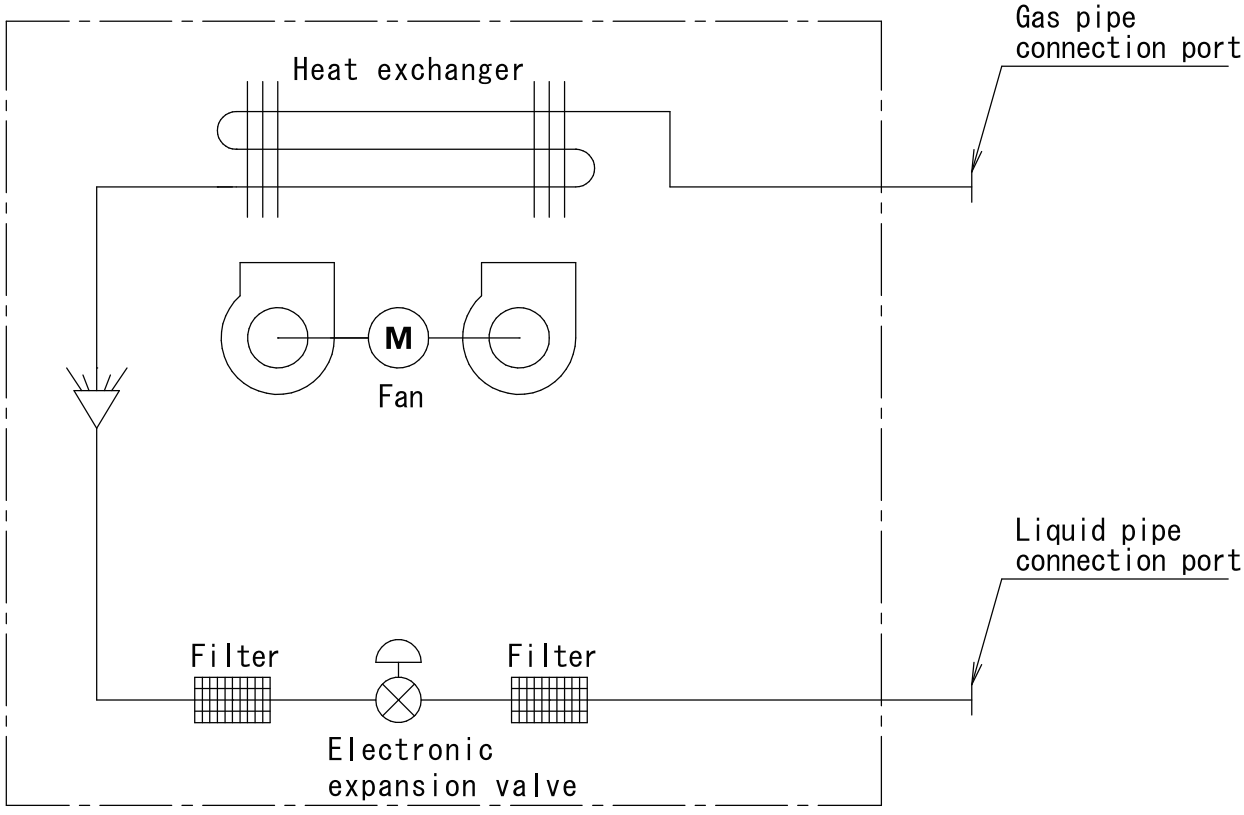


MODEL NAME	A	B
FXSQ05・07・09・12TBVJU	21-5/8 (550)	8-11/16 (220)
FXSQ15TBVJU	27-9/16 (700)	11-7/16 (290)
FXSQ18・24・30TBVJU	39-3/8 (1000)	18-11/16 (475)
FXSQ36・48TBVJU	55-1/8 (1400)	24-7/16 (620)
FXSQ54TBVJU	61 (1550)	26-15/16 (685)

4D140707

5. Piping Diagrams

FXSQ05-54TBVJU



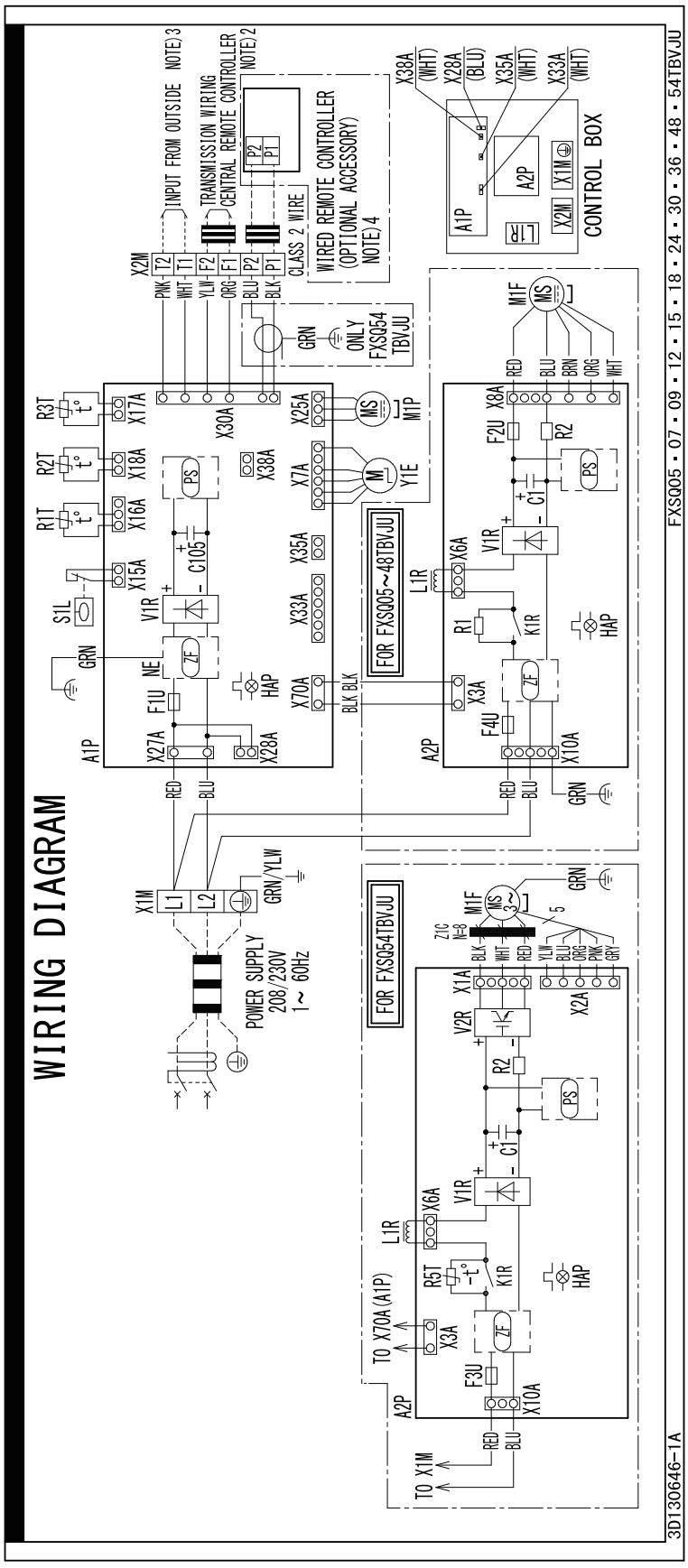
4D141716

Unit: in. (mm)

Model	Gas	Liquid
FXSQ05TBVJU FXSQ07TBVJU FXSQ09TBVJU FXSQ12TBVJU FXSQ15TBVJU FXSQ18TBVJU	ϕ1/2 (ϕ12.7)	ϕ1/4 (ϕ6.4)
FXSQ24TBVJU FXSQ30TBVJU FXSQ36TBVJU FXSQ48TBVJU FXSQ54TBVJU	ϕ5/8 (ϕ15.9)	ϕ3/8 (ϕ9.5)

6. Wiring Diagrams

FXSQ05-54TBVJU



NOTES

1. □□□: TERMINAL BLOCK, ▭: 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 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 TO THE UNIT.
4. IN CASE OF MAIN/SUB CHANGEOVER, SEE THE INSTALLATION MANUAL ATTACHED TO REMOTE CONTROLLER.
5. COLORS RED: RED, BLU: BLUE, BLK: BLACK, WHT: WHITE, YLW: YELLOW, ORG: ORANGE, GRN: GREEN, BRN: BROWN, GRY: GRAY, PNK: PINK.

C: 3D130646B

FXSQ05-54TBVJU

INDOOR UNIT	
A1P	PRINTED CIRCUIT BOARD (CONTROL)
A2P	PRINTED CIRCUIT BOARD (FAN)
C1	CAPACITOR
C105	CAPACITOR
F1U	FUSE
F2U	FUSE
F3U	FUSE
F4U	FUSE
HAP	FLASHING LAMP (SERVICE MONITOR-GREEN)
K1R	MAGNETIC RELAY
L1R	REACTOR
M1F	MOTOR (INDOOR FAN)
M1P	MOTOR (DRAIN PUMP)
PS	SWITCHING POWER SUPPLY
R1	RESISTOR (CURRENT LIMITING)
R2	CURRENT SENSING DEVICE
R1T	THERMISTOR (AIR)
R2T·R3T	THERMISTOR (COIL)
R5T	THERMISTOR NTC (CURRENT LIMITING)
S1L	FLOAT SWITCH
V1R	DIODE BRIDGE
V2R	IGBT POWER MODULE
X1M	TERMINAL BLOCK (POWER SUPPLY)
X2M	TERMINAL BLOCK (CONTROL)
Y1E	ELECTRONIC EXPANSION VALVE
Z1C	FERRITE CORE
ZF	NOISE FILTER
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: 3D130646B

7. Electric Characteristics

FXSQ05-54TBVJU

Model	Power supply					IFM		Input (W)		SCCR
	Hz	Volts	Voltage range	MCA	MOP	HP	FLA	Cooling	Heating	
FXSQ05TBVJU	60	208/230 V	Max. 253 V Min. 187 V	0.8	15	0.10 (78)	0.6	104	99	SCCR kA rms, Symmetrical @600V MAX:5
FXSQ07TBVJU				0.8	15	0.10 (78)	0.6	104	99	
FXSQ09TBVJU				0.8	15	0.10 (78)	0.6	104	99	
FXSQ12TBVJU				0.8	15	0.10 (78)	0.7	111	106	
FXSQ15TBVJU				1.4	15	0.17 (130)	1.2	162	157	
FXSQ18TBVJU				1.6	15	0.31 (230)	1.3	164	159	
FXSQ24TBVJU				1.8	15	0.31 (230)	1.4	222	217	
FXSQ30TBVJU				1.8	15	0.31 (230)	1.5	230	225	
FXSQ36TBVJU				2.5	15	0.40 (300)	2.0	331	326	
FXSQ48TBVJU				2.8	15	0.40 (300)	2.2	360	355	
FXSQ54TBVJU				3.3	15	0.47 (350)	2.6	411	406	

Symbol:

MCA: Minimum Circuit Ampacity (A)
MOP: Maximum Overcurrent Protective Device (A)
HP: Fan Motor Rated Output (Hp (W))
FLA: Full Load Ampere (A)
IFM: Indoor Fan Motor
SCCR: Short-Circuit Current Rating

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.
6. Cooling power input value includes power required to operate the built-in drain pump.

C: 4D140701

8. Safety Devices Setting

Model		FXSQ05TBVJU	FXSQ07TBVJU	FXSQ09TBVJU	FXSQ12TBVJU	FXSQ15TBVJU	FXSQ18TBVJU
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	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	250 V, 6.3 A
Drain pump thermal fuse	°F (°C)	—	—	—	—	—	—

Model		FXSQ24TBVJU	FXSQ30TBVJU	FXSQ36TBVJU	FXSQ48TBVJU	FXSQ54TBVJU
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)	—	—	—	—	—

C: 3D140708

9. Capacity Tables

9.1 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
FXSQ05TBVJU	4.8	4.5	5.5	4.7	5.8	4.7	5.9	4.6	6.0	4.5	6.0	4.5
FXSQ07TBVJU	6.0	4.9	6.6	5.3	7.2	5.5	7.3	5.3	7.5	5.1	7.7	5.1
FXSQ09TBVJU	7.7	6.1	8.9	6.8	9.5	7.0	9.6	6.7	9.8	6.6	10.0	6.6
FXSQ12TBVJU	9.6	8.5	10.9	9.4	12.0	9.7	12.3	9.2	12.4	9.0	12.6	8.9
FXSQ15TBVJU	12.1	10.2	13.6	11.1	15.0	11.3	15.3	11.0	15.4	10.8	15.6	10.3
FXSQ18TBVJU	14.5	12.2	16.3	13.3	18.0	13.6	18.4	13.3	18.7	13.1	18.8	12.8
FXSQ24TBVJU	19.3	15.2	21.9	16.9	24.0	17.1	24.4	16.7	24.7	16.4	25.1	15.8
FXSQ30TBVJU	24.2	20.1	27.6	22.4	30.0	22.6	30.6	22.0	31.0	21.6	31.6	21.0
FXSQ36TBVJU	29.1	22.9	33.0	25.2	36.0	25.7	36.7	25.1	37.2	24.7	37.9	23.9
FXSQ48TBVJU	38.8	30.3	44.1	33.5	48.0	34.3	49.0	33.5	49.7	33.0	50.5	31.8
FXSQ54TBVJU	43.7	34.1	49.8	37.8	54.0	38.6	55.2	37.7	56.0	37.2	56.7	35.7

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.

CA22A1252

9.2 Heating Capacity at Tc: 115°F (46°C)

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
FXSQ05TBVJU	7.1	7.0	6.8	6.5	6.2	6.0
FXSQ07TBVJU	9.2	9.0	8.8	8.5	8.2	7.7
FXSQ09TBVJU	11.4	11.3	10.8	10.5	10.0	9.5
FXSQ12TBVJU	14.7	14.6	14.1	13.5	13.2	12.5
FXSQ15TBVJU	18.5	18.3	17.6	17.0	16.4	15.4
FXSQ18TBVJU	21.9	21.7	20.8	20.0	19.4	18.3
FXSQ24TBVJU	29.3	29.1	27.9	27.0	26.0	24.4
FXSQ30TBVJU	36.9	36.7	35.3	34.0	32.7	30.9
FXSQ36TBVJU	43.5	43.2	41.4	40.0	38.5	36.2
FXSQ48TBVJU	58.9	58.4	56.1	54.0	52.0	49.1
FXSQ54TBVJU	65.6	65.1	62.5	60.0	57.7	54.9

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.

CA22A1252

9.3 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.

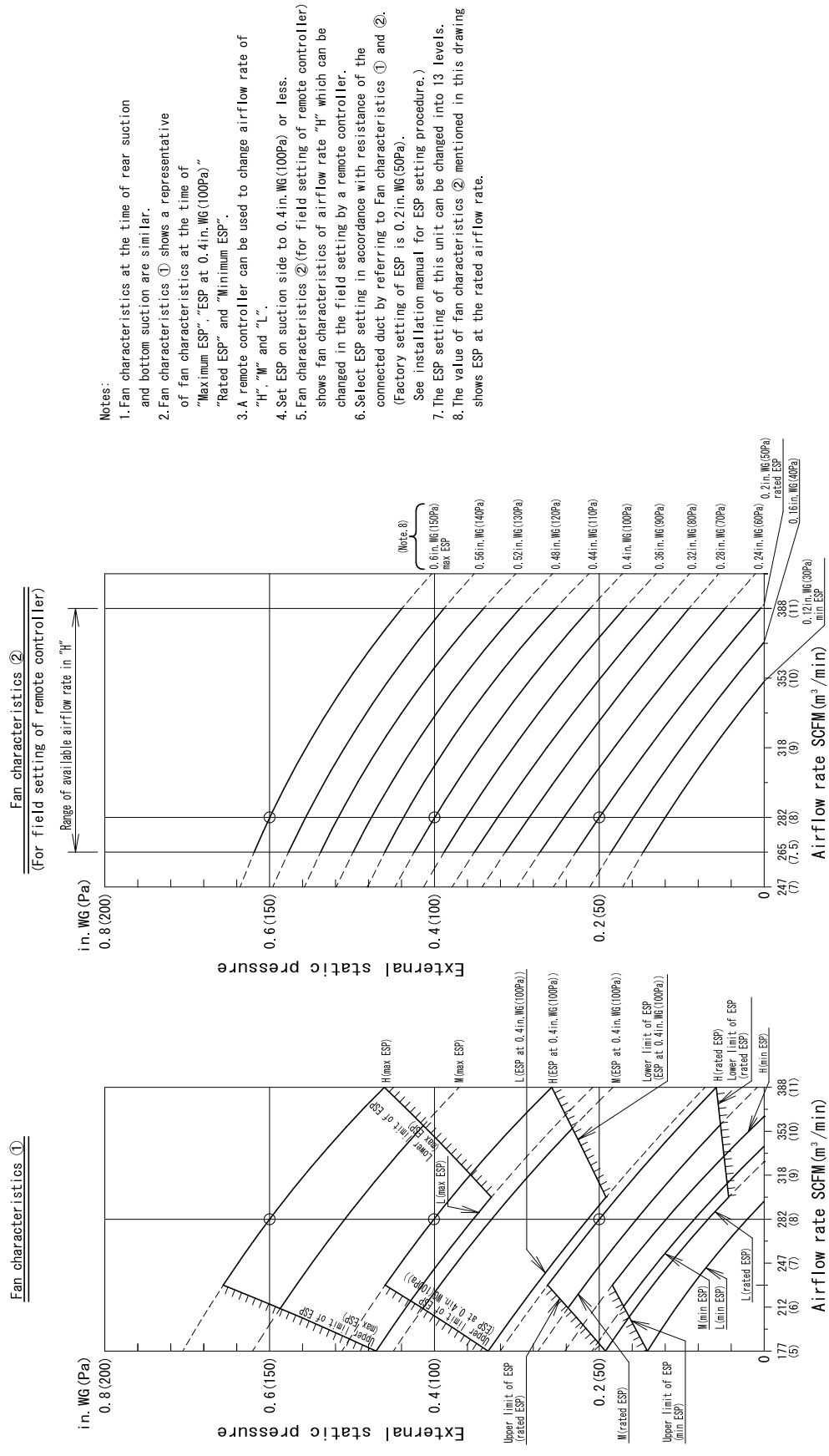
Model	Indoor air temp. °FWB (°CWB) (Te: 48°F (9°C))											
	61 (16.1)		64 (17.8)		67 (19.4)		70 (21.1)		72 (22.2)		75 (23.9)	
	TC	SHF	TC	SHF	TC	SHF	TC	SHF	TC	SHF	TC	SHF
FXSQ05TBVJU	0.69	1.07	0.73	1.14	0.80	1.07	0.83	1.06	0.83	1.05	0.85	1.04
FXSQ07TBVJU	0.68	1.18	0.73	1.14	0.80	1.07	0.82	1.06	0.83	1.05	0.85	1.04
FXSQ09TBVJU	0.68	1.18	0.73	1.14	0.80	1.07	0.82	1.06	0.83	1.05	0.85	1.04
FXSQ12TBVJU	0.71	1.13	0.75	1.12	0.81	1.07	0.83	1.05	0.84	1.04	0.86	1.03
FXSQ15TBVJU	0.69	1.18	0.73	1.14	0.80	1.07	0.83	1.06	0.83	1.05	0.85	1.04
FXSQ18TBVJU	0.68	1.19	0.72	1.15	0.79	1.08	0.81	1.06	0.82	1.06	0.84	1.04
FXSQ24TBVJU	0.68	1.20	0.72	1.15	0.79	1.08	0.81	1.06	0.82	1.05	0.85	1.04
FXSQ30TBVJU	0.70	1.16	0.74	1.13	0.80	1.07	0.83	1.05	0.84	1.04	0.86	1.03
FXSQ36TBVJU	0.69	1.17	0.74	1.14	0.80	1.07	0.83	1.06	0.84	1.05	0.86	1.04
FXSQ48TBVJU	0.70	1.16	0.75	1.12	0.81	1.07	0.83	1.05	0.84	1.05	0.86	1.04
FXSQ54TBVJU	0.71	1.16	0.75	1.12	0.81	1.07	0.84	1.05	0.84	1.04	0.86	1.03

TC: Total capacity
SHF: Sensible heat factor

CA22A1252

10.Fan Performance

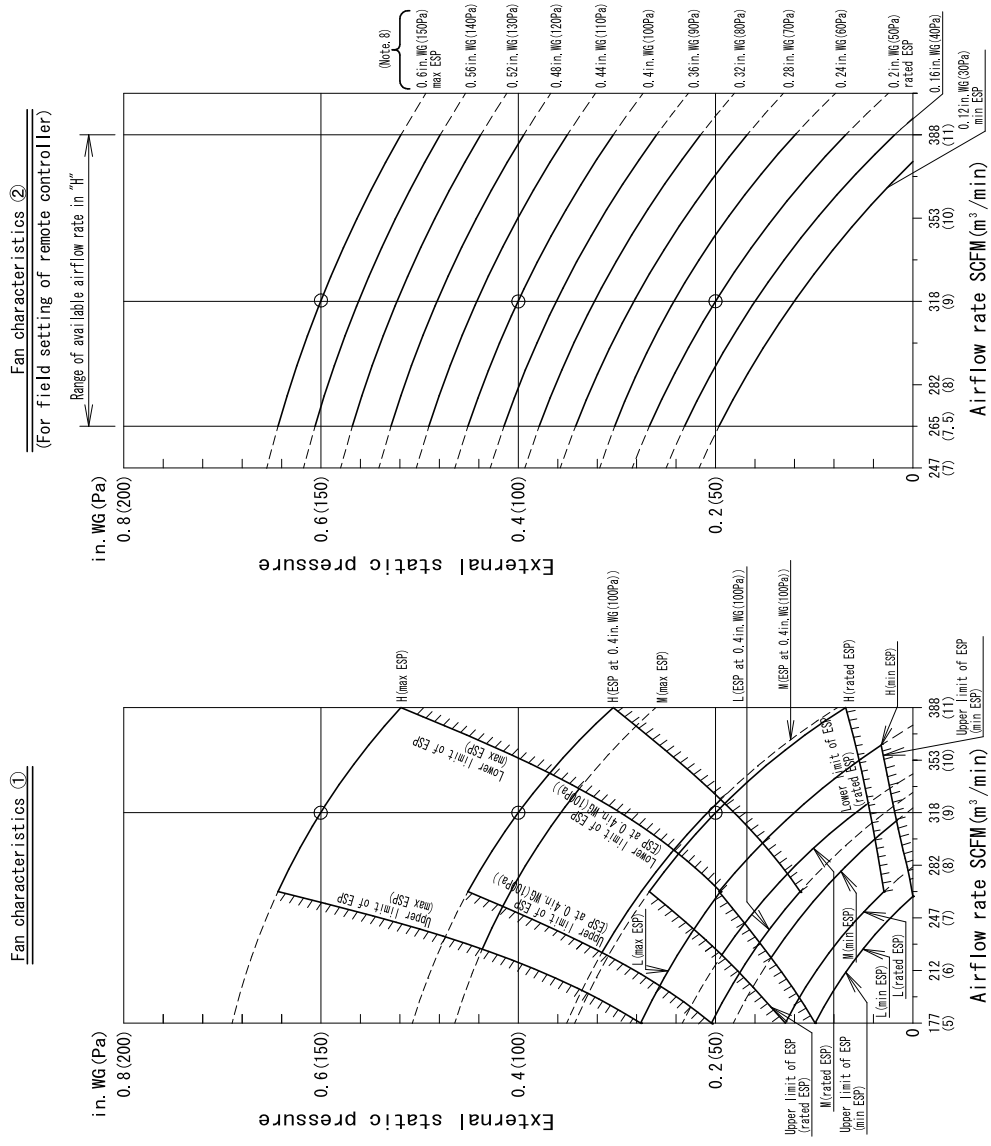
FXSQ05-07TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)" "Rated ESP" and "Minimum ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 13 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140726

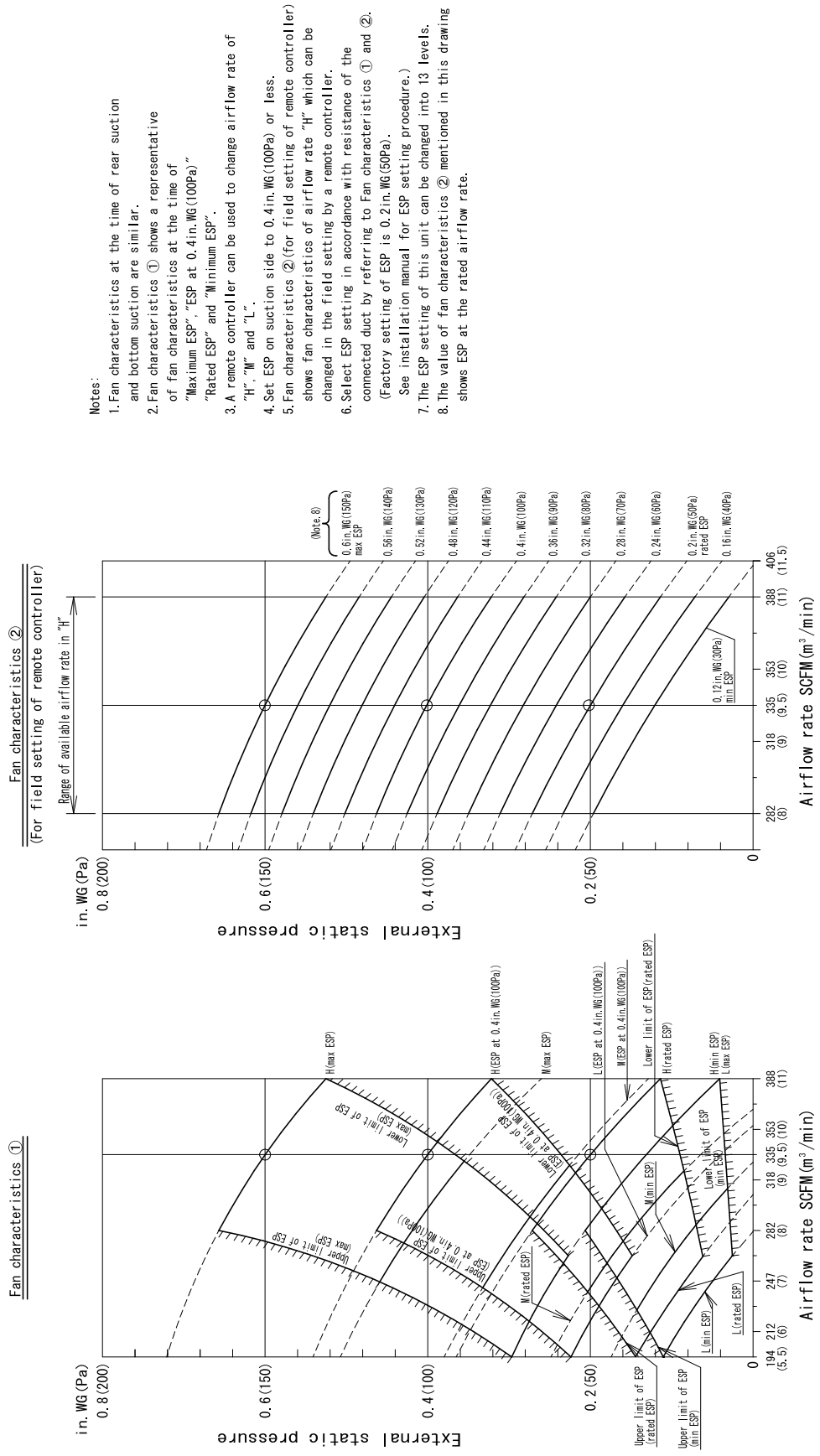
FXSQ09TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in. WG (100Pa)" "Rated ESP" and "Minimum ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in. WG (100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in. WG (50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 13 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140727

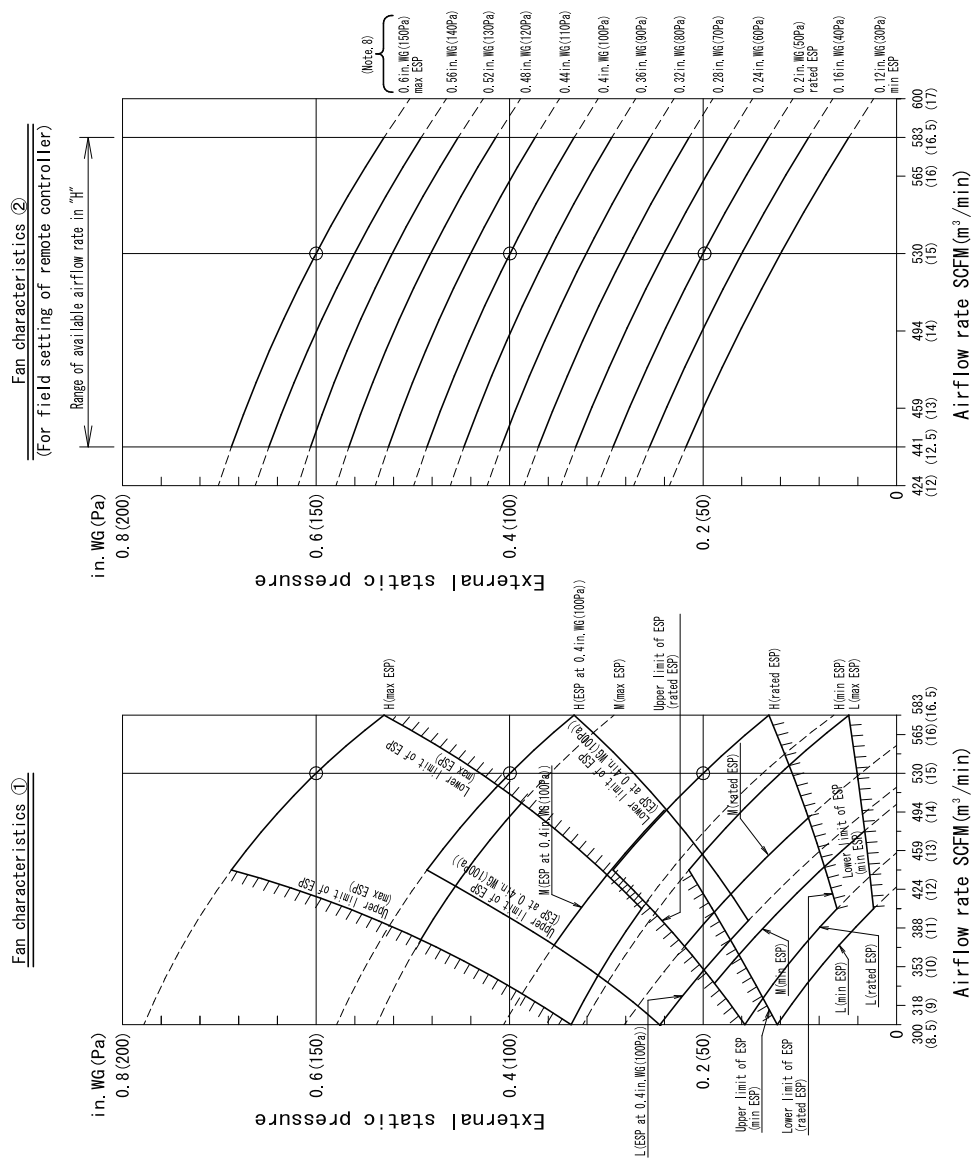
FXSQ12TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)" "Rated ESP" and "Minimum ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 13 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140728

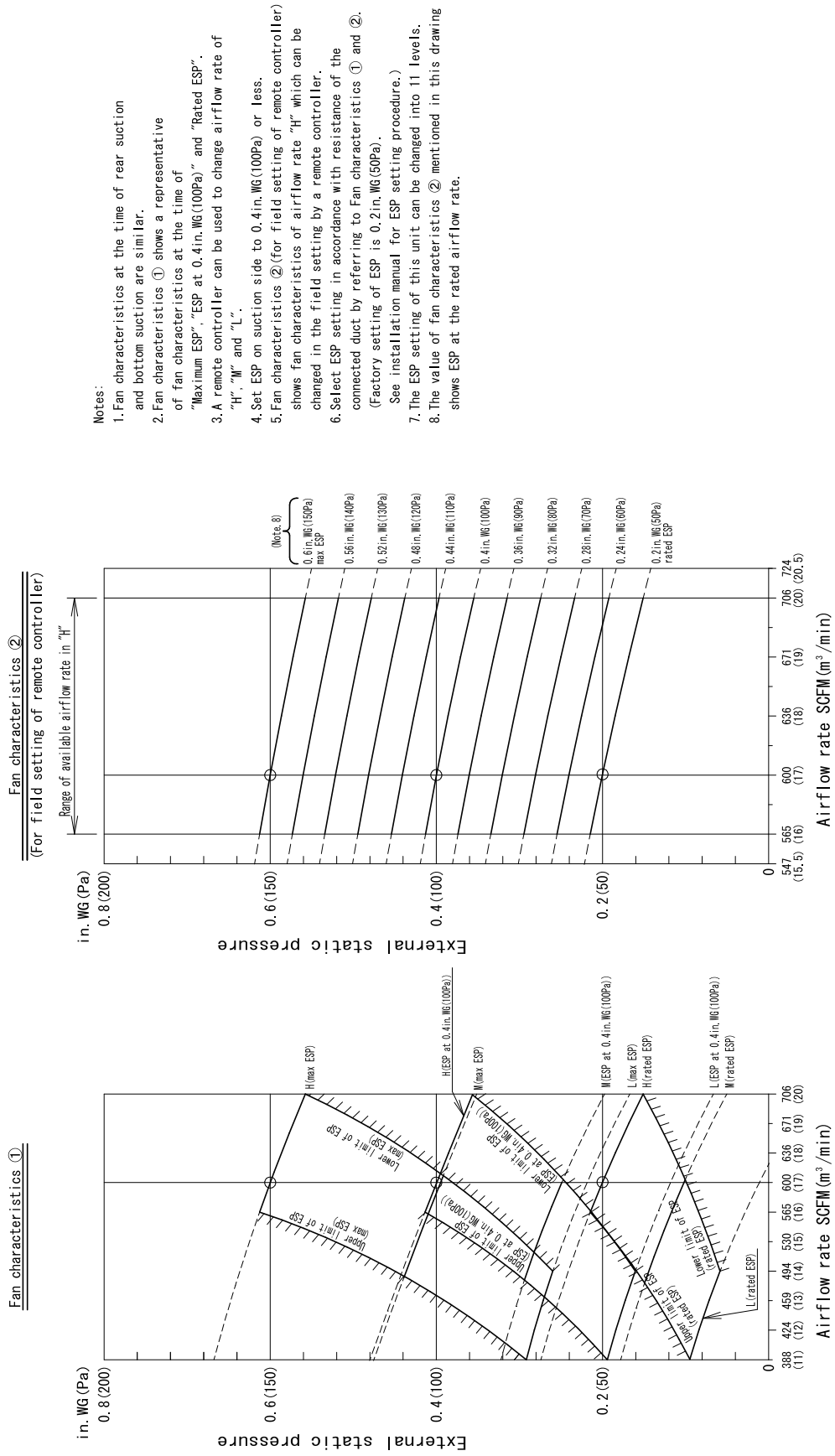
FXSQ15TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)" "Rated ESP" and "Minimum ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 13 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140729

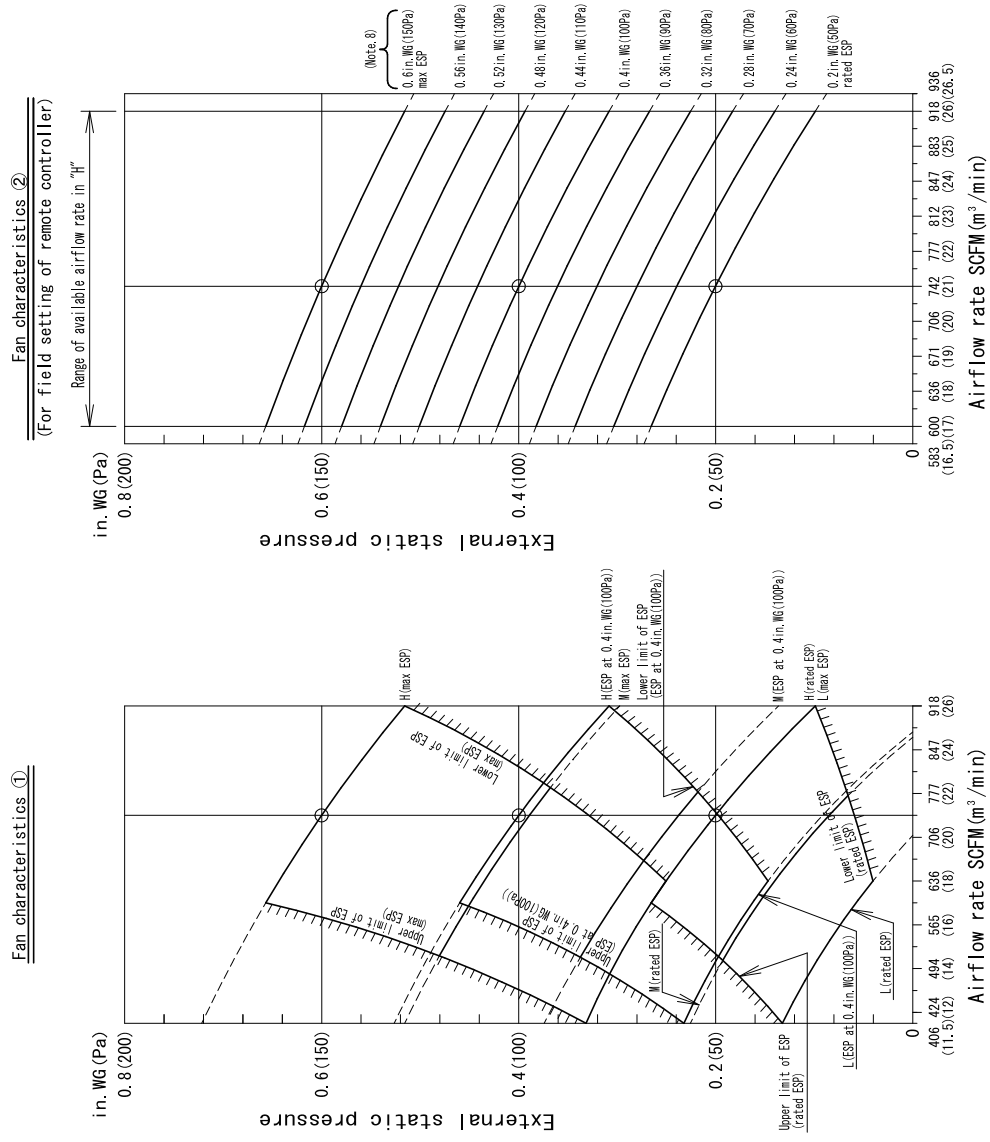
FXSQ18TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)" and "Rated ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 11 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140730

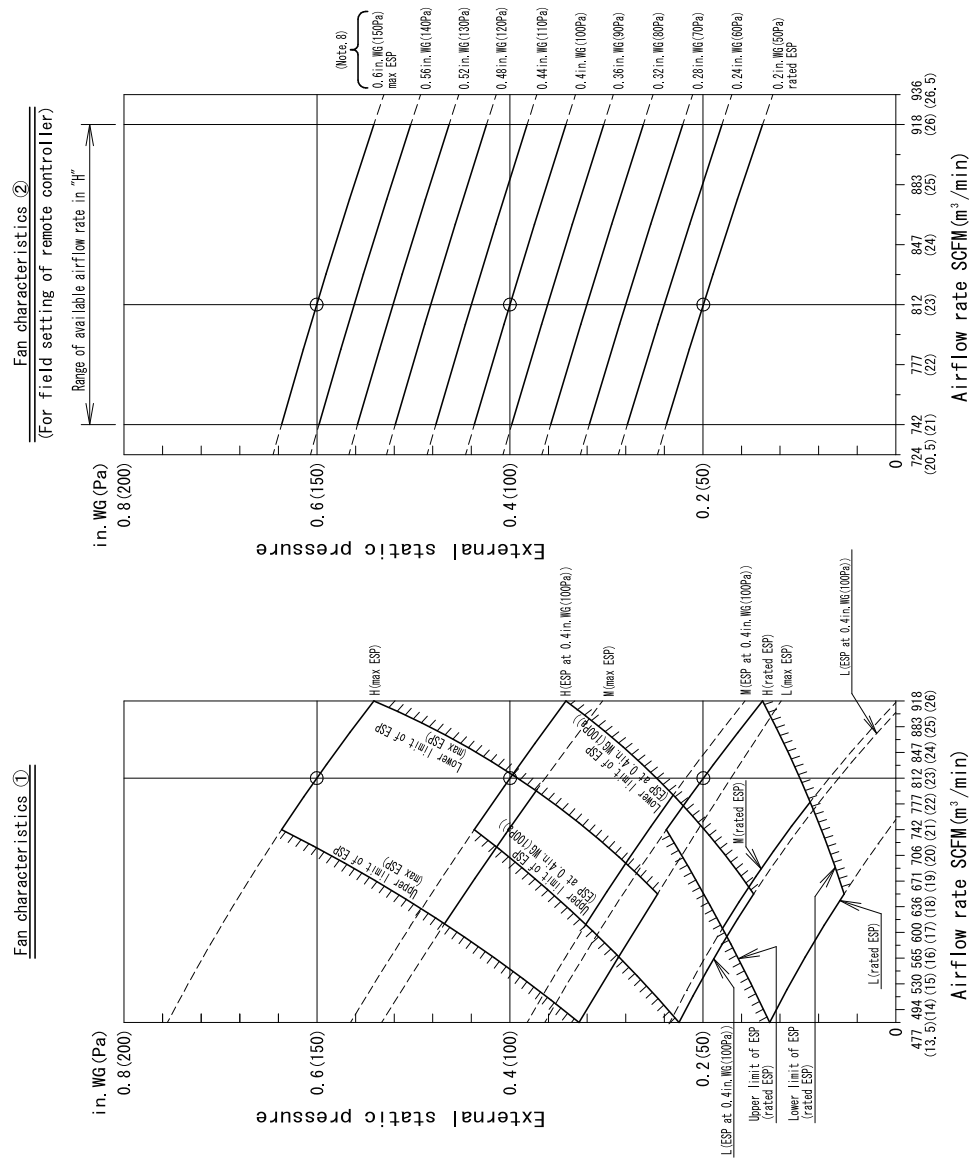
FXSQ24TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4 in. WG (100Pa)" and "Rated ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4 in. WG (100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2 in. WG (50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 11 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140731

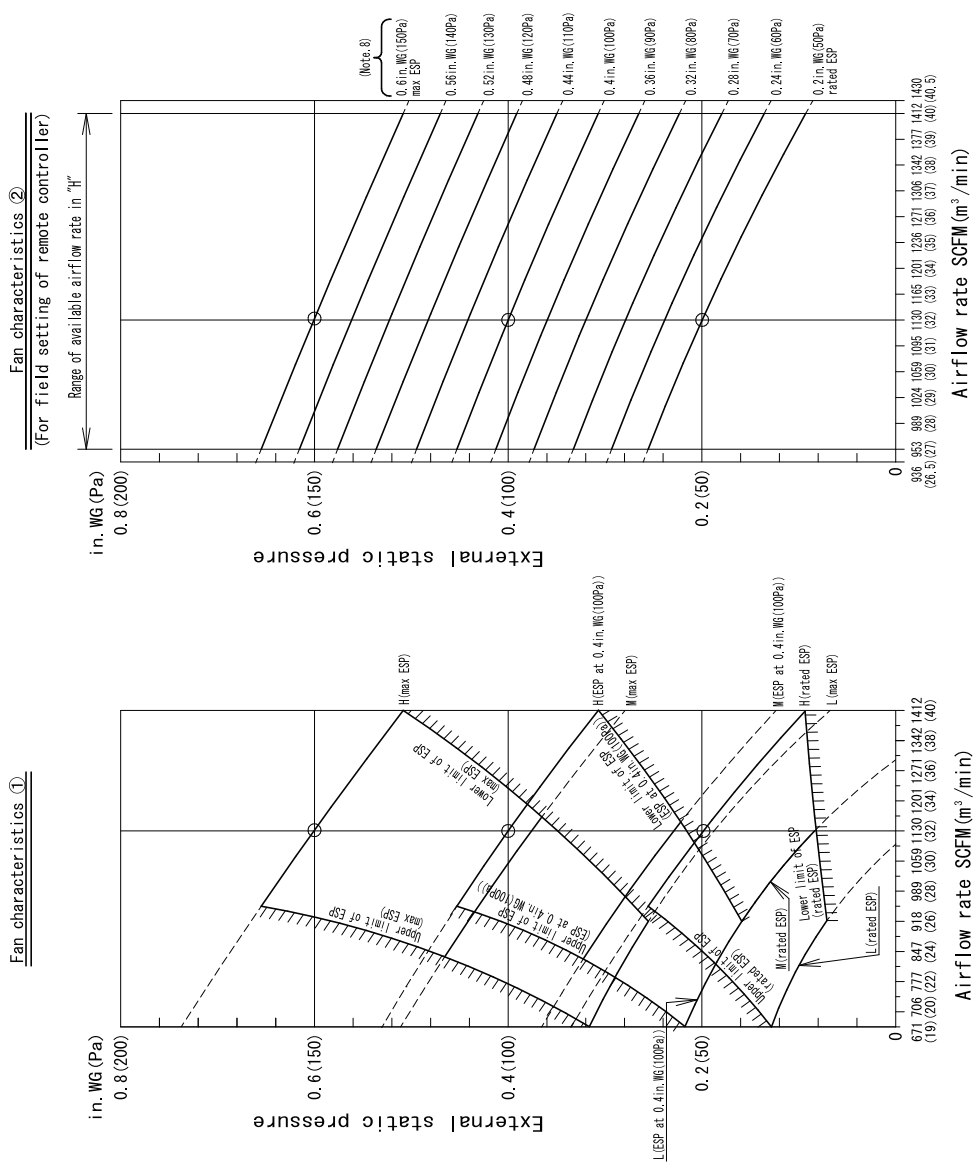
FXSQ30TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)" and "Rated ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 11 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140732

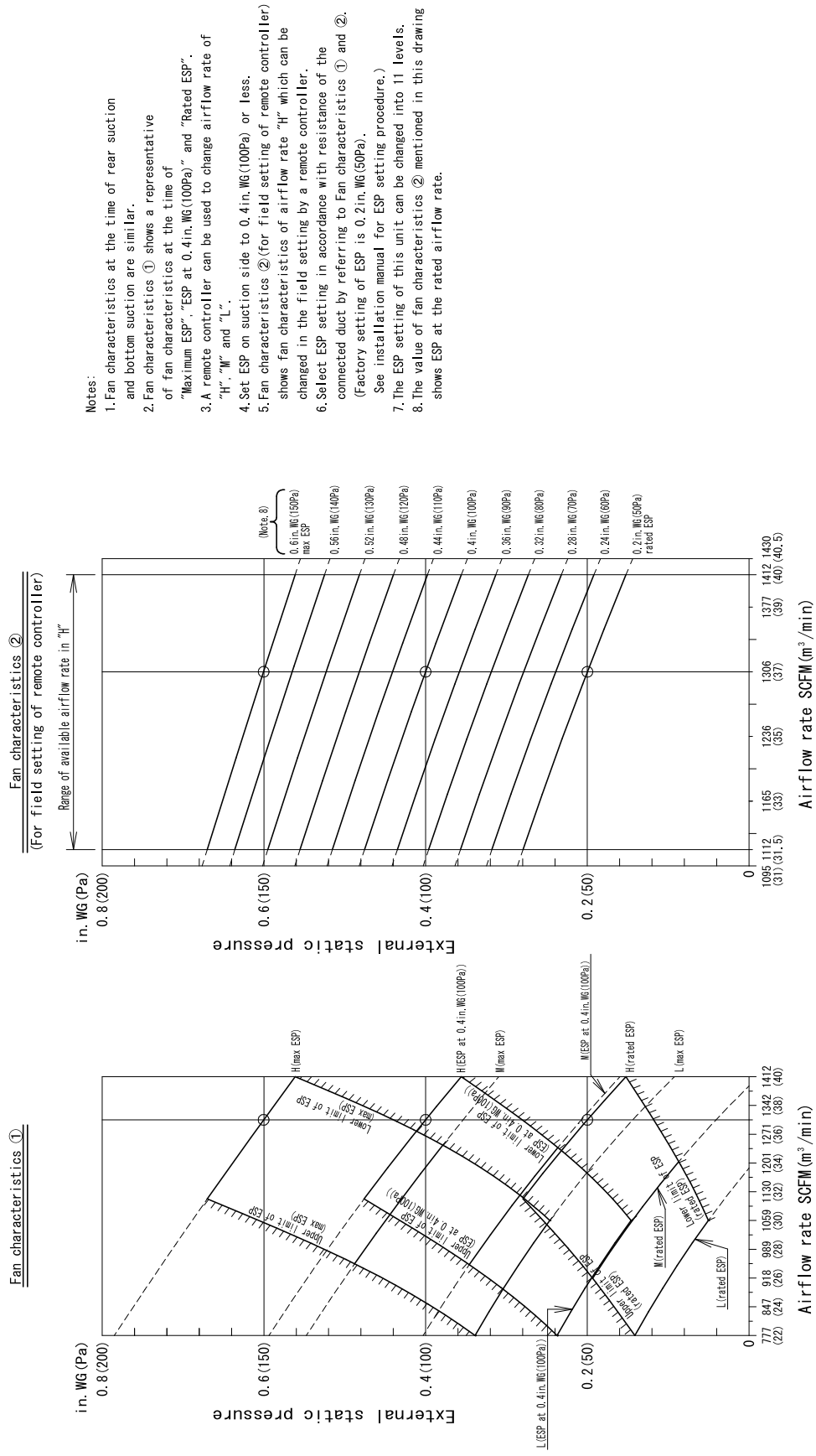
FXSQ36TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)" and "Rated ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 11 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140733

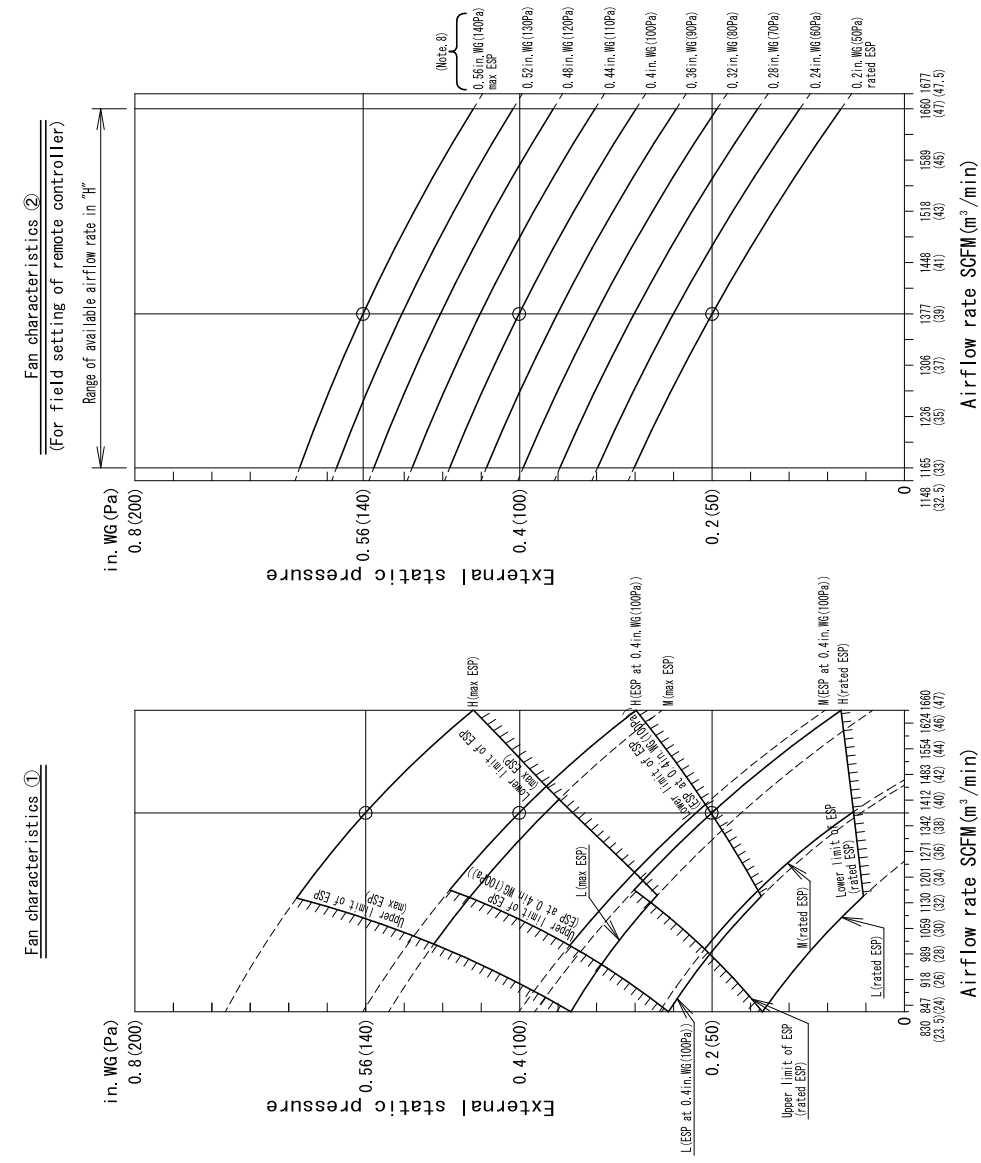
FXSQ48TBVJU



Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)" and "Rated ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 11 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140734

FXSQ54TBVJU



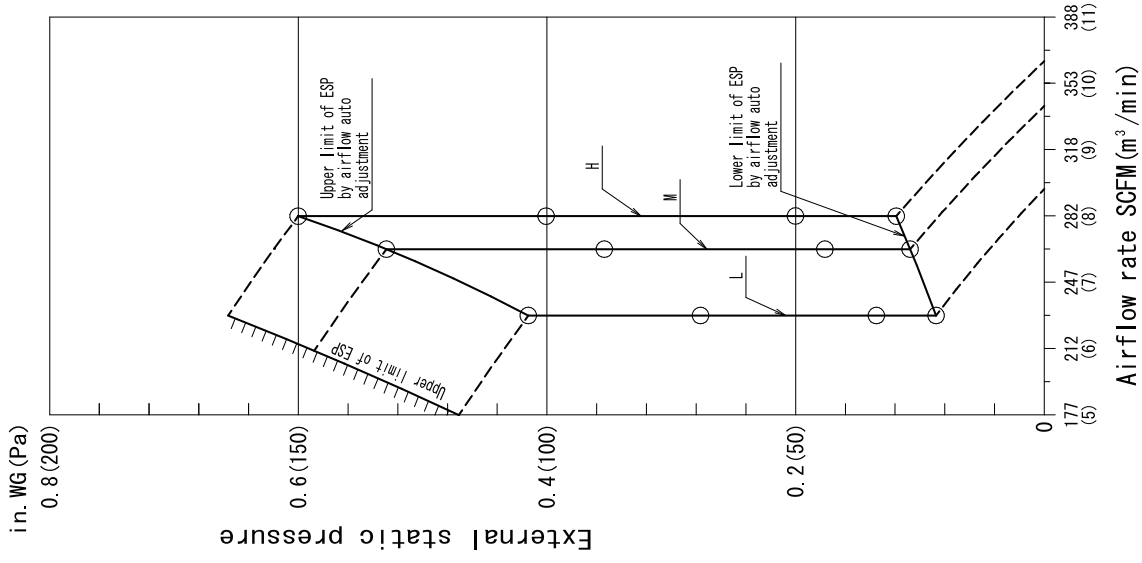
Notes:
1. Fan characteristics at the time of rear suction and bottom suction are similar.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)" and "Rated ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ②(for field setting of remote controller) shows fan characteristics of airflow rate "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by referring to Fan characteristics ① and ②. (Factory setting of ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 10 levels.
8. The value of fan characteristics ② mentioned in this drawing shows ESP at the rated airflow rate.

3D140735

11. Airflow Auto Adjustment Characteristics

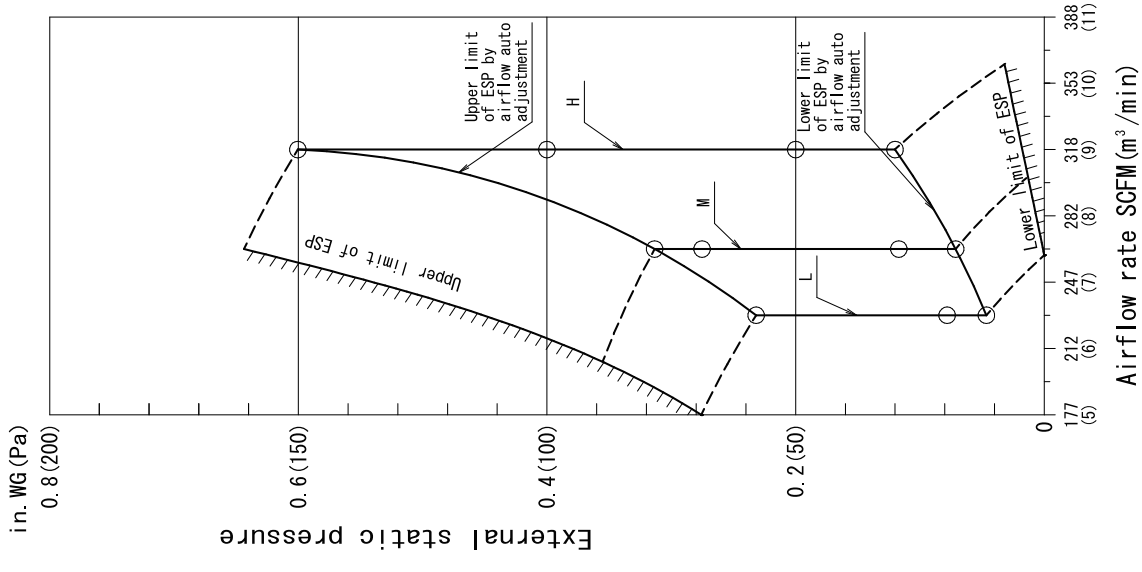
FXSQ05-07TBVJU

Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow 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, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.12in.WG – 0.6in.WG (30Pa – 150Pa) (When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure



3D140736

FXSQ09TBVJU

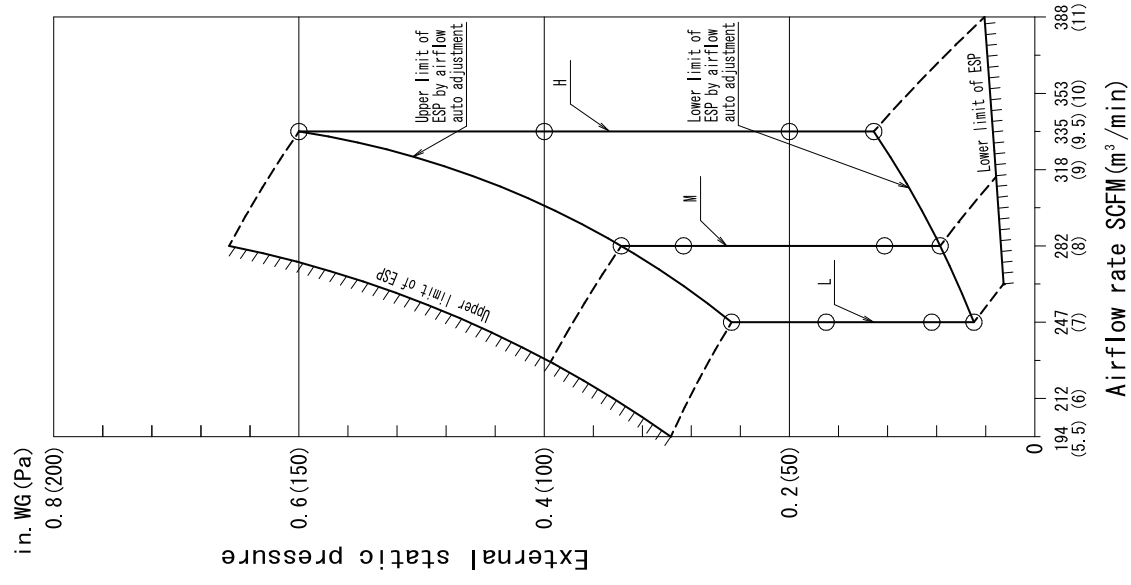


3D140737

Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow 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, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.12in.WG – 0.6in.WG (30Pa – 150Pa) (When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure

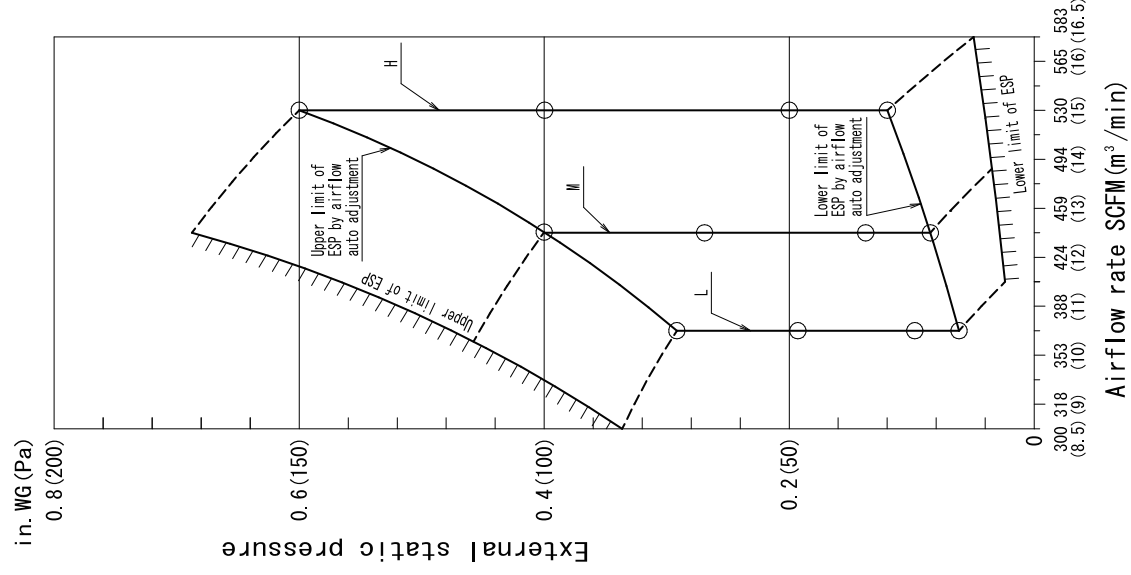
FXSQ12TBVJU

Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow 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, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.12in.WG – 0.6in.WG (30Pa – 150Pa)(When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure



3D140738

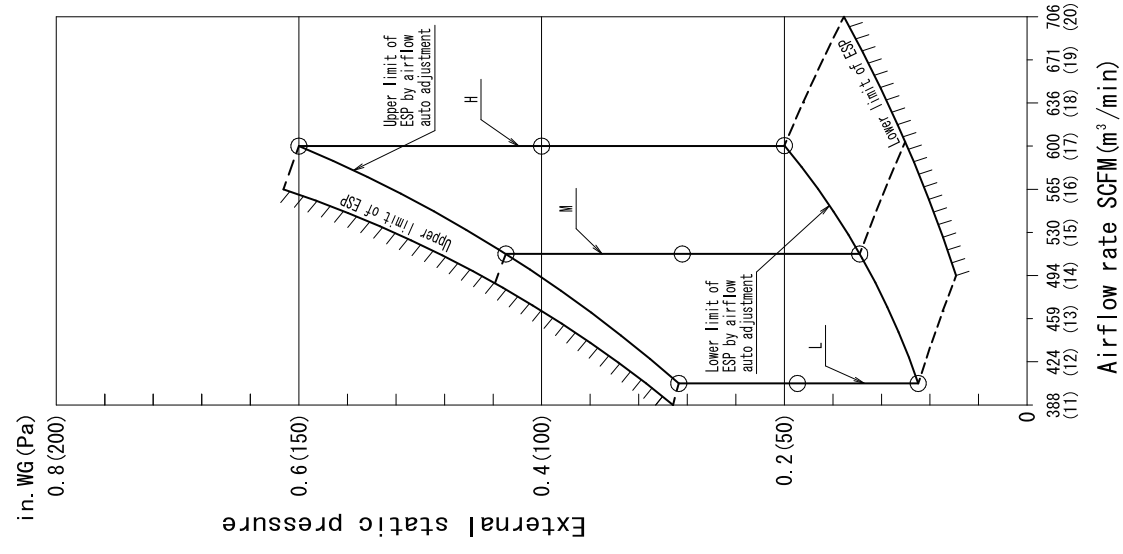
FXSQ15TBVJU



Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow 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, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.12in.WG – 0.6in.WG (30Pa – 150Pa) (When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure

3D140739

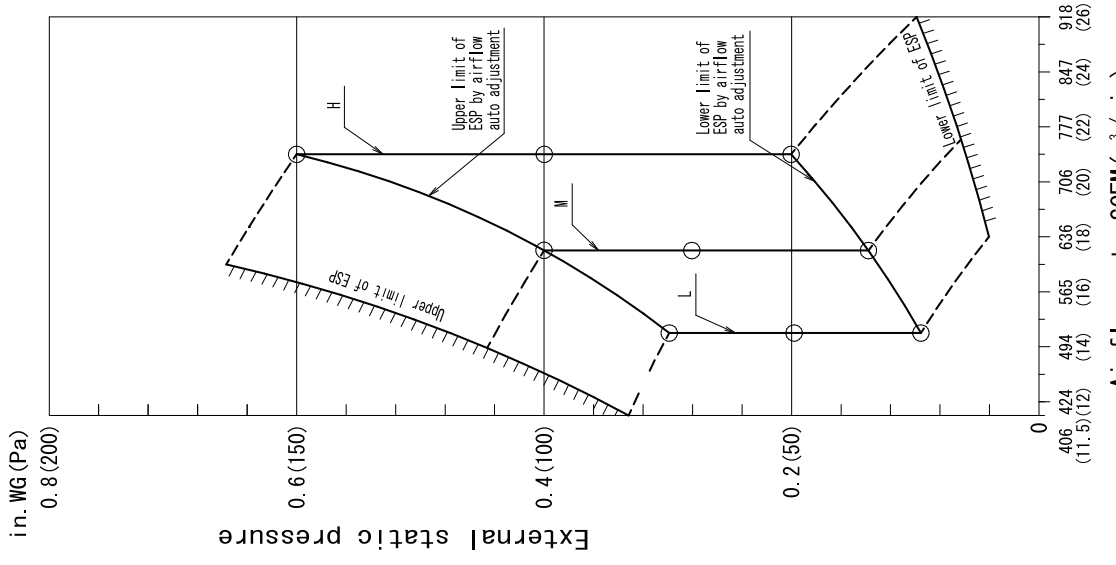
FXSQ18TBVJU



Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow 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, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.2in.WG – 0.6in.WG (50Pa – 150Pa) (When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure

3D140740

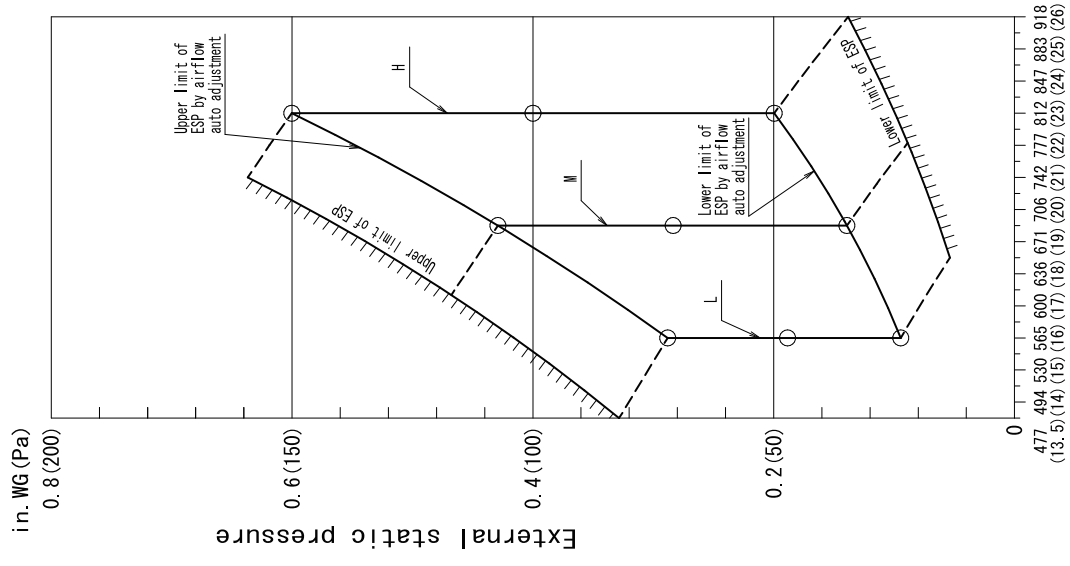
FXSQ24TBVJU



Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow 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, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.2in.WG – 0.6in.WG (50Pa – 150Pa) (When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure

3D140741

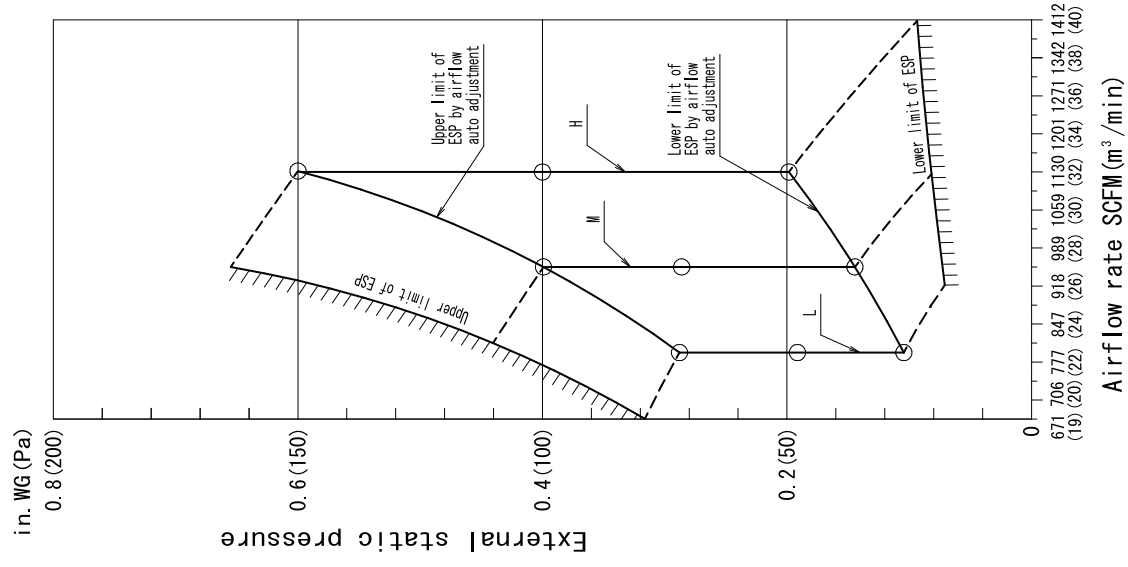
FXSQ30TBVJU



Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow 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, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.2in.WG – 0.6in.WG (50Pa – 150Pa) (When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure

3D140742

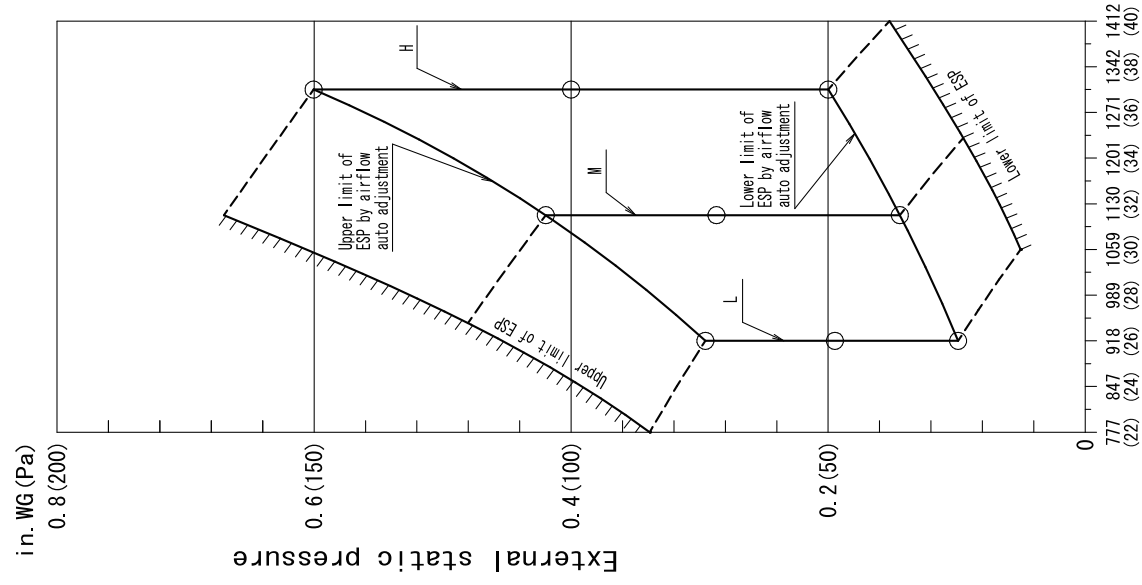
FXSQ36TBVJU



Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow 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, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.2in.WG – 0.6in.WG (50Pa – 150Pa) (When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure

3D140743

FXSQ48TBVJU

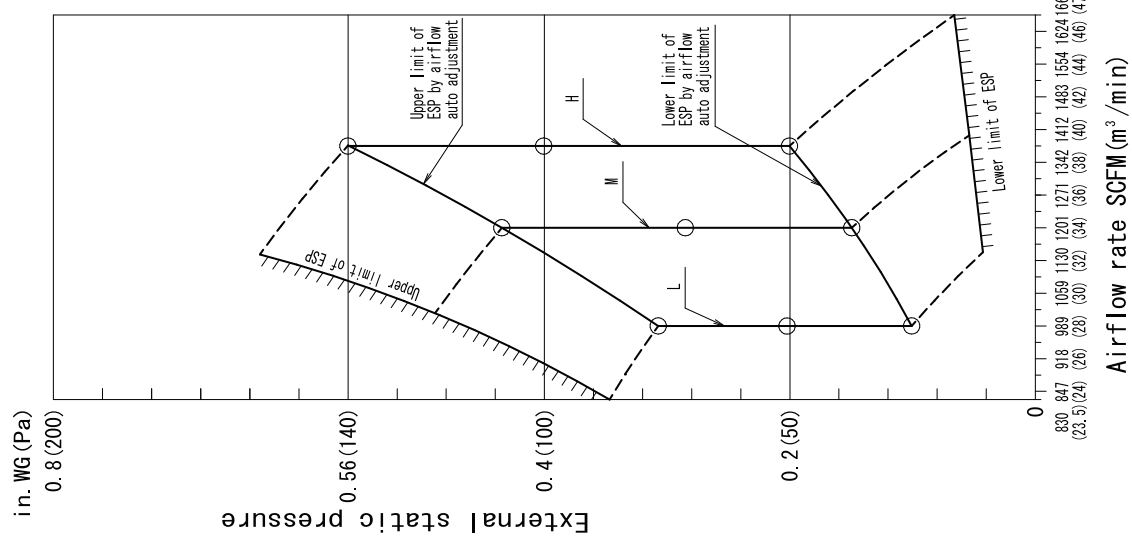


Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow rate so as to be approximately in the range of ±10% of the rated value at the time of installation.
2. After duct construction completion, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.2in.WG – 0.6in.WG (50Pa – 150Pa) (When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure

3D140744

FXSQ54TBVJU

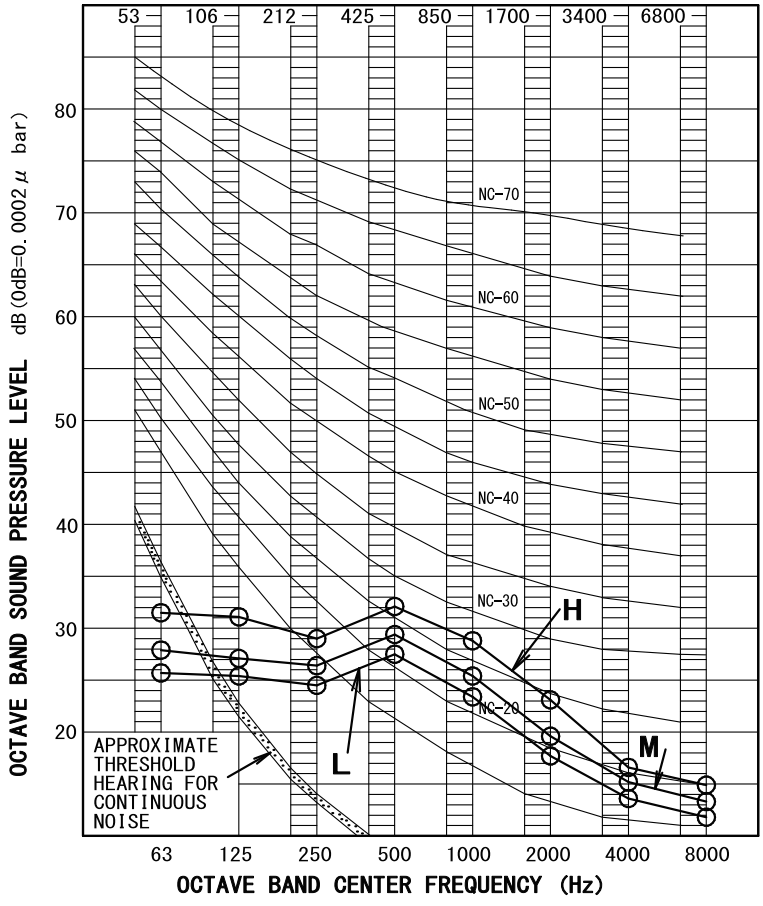
Notes:
1. This indoor unit has the "Airflow automatic adjustment" function, which automatically adjusts the airflow rate so as to be approximately in the range of ±10% of the rated value at the time of installation.
2. After duct construction completion, perform field setting "Airflow automatic adjustment" by remote controller.
3. About the field setting method of the "Airflow automatic adjustment", refer to the installation manual attached to indoor unit.
4. External static pressure that can be adjusted by "Airflow automatic adjustment" function is 0.2in.WG - 0.56in.WG (50Pa - 140Pa)(When airflow rate is "H").
5. If the unit is used beyond the range of the above external static pressure, the airflow rate can not be well-adjusted automatically, and the unit will operate with the airflow rate different from the rated value.
6. This figure shows fan characteristics at the time of "H", "M" and "L".
7. The remote controller can be used to change airflow rate of "H", "M" and "L".
8. ESP:External static pressure



3D140745

12.Sound Levels (Reference Data)

FXSQ05-09TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	33.0	30.0	28.0

(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℃)DB, 67.0° F(19.4℃)WB

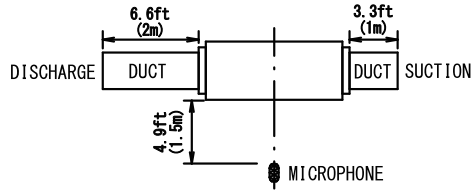
OUTDOOR TEMPERATURE : 95.0° F(35.0℃)DB, 75.0° F(23.9℃)WB

HEATING

RETURN AIR TEMPERATURE: 70.0° F(21.1℃)DB, 60.0° F(15.6℃)WB

OUTDOOR TEMPERATURE : 47.0° F(8.3℃)DB, 43.0° F(6.1℃)WB

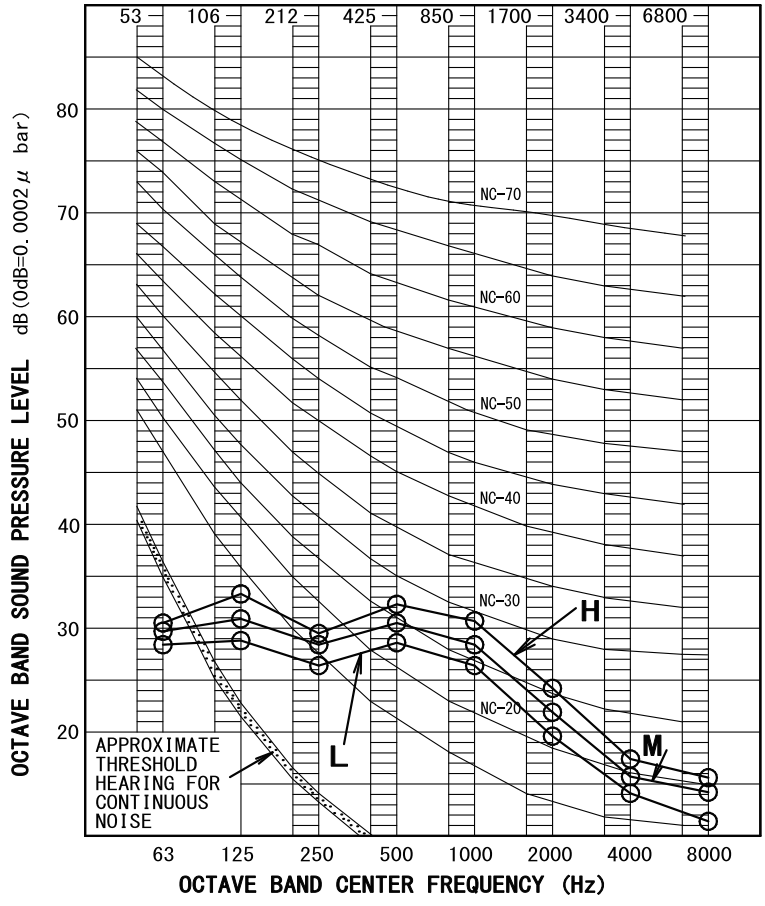
EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

4D140709

FXSQ12TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	34.0	32.0	30.0

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE 208 / 230V 60Hz

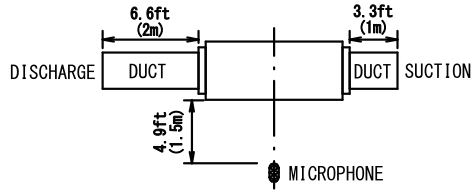
COOLING

RETURN AIR TEMPERATURE: 80.0° F(26.7℃)DB, 67.0° F(19.4℃)WB
OUTDOOR TEMPERATURE : 95.0° F(35.0℃)DB, 75.0° F(23.9℃)WB

HEATING

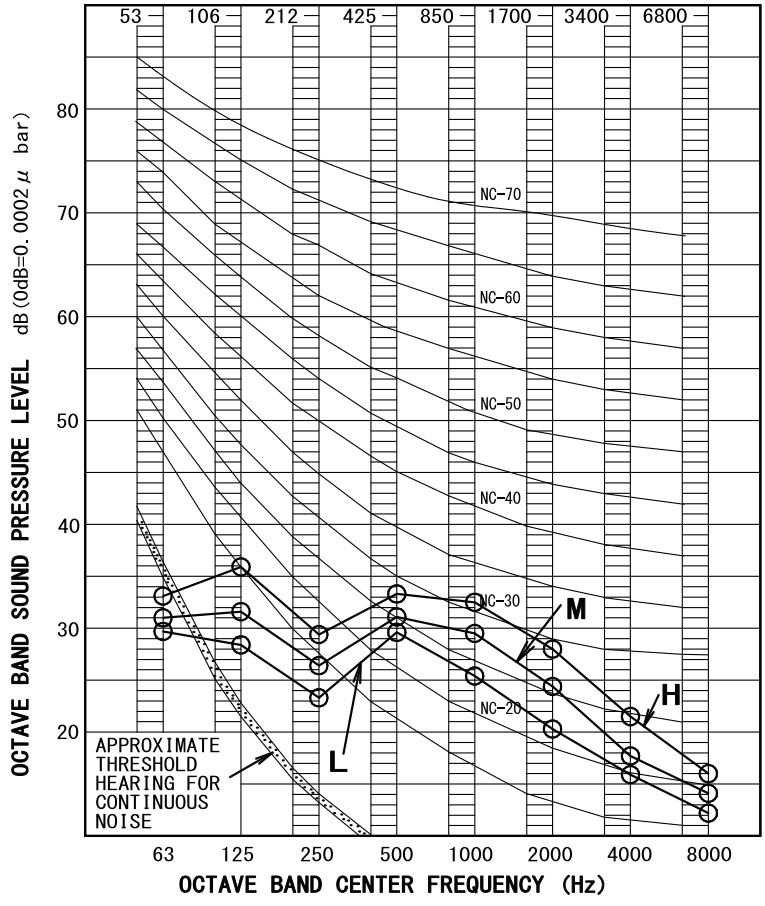
RETURN AIR TEMPERATURE: 70.0° F(21.1℃)DB, 60.0° F(15.6℃)WB
OUTDOOR TEMPERATURE : 47.0° F(8.3℃)DB, 43.0° F(6.1℃)WB

EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

FXSQ15TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	36.0	33.0	30.0

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE 208 / 230V 60Hz

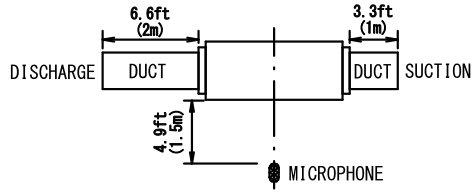
COOLING

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

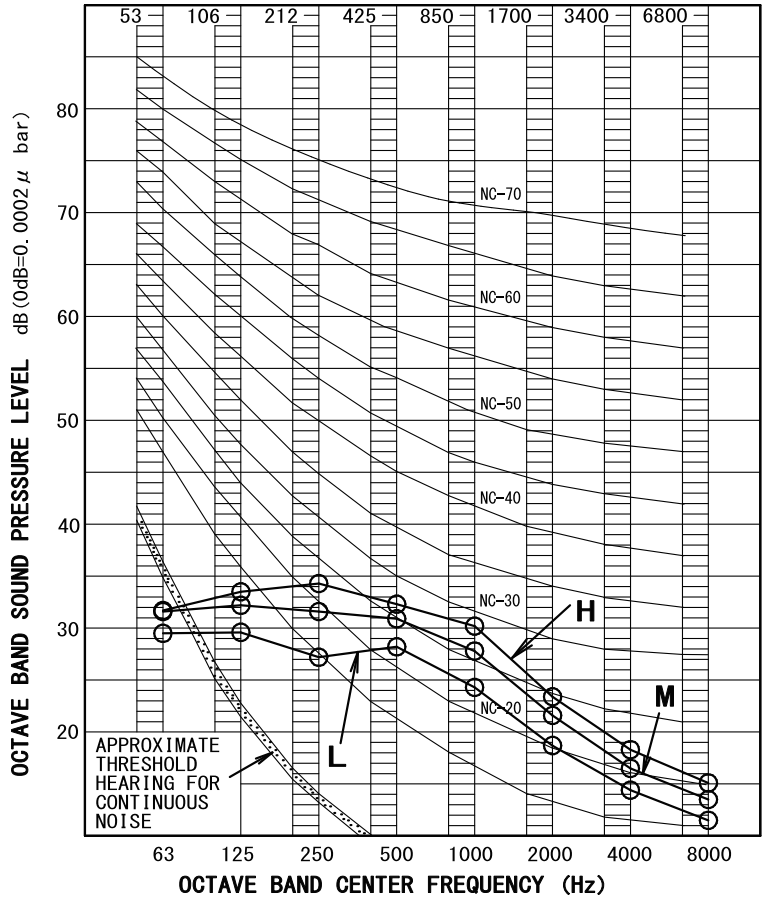
EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

4D140711

FXSQ18TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	34.0	32.0	29.0

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

ANECHOIC CHAMBER

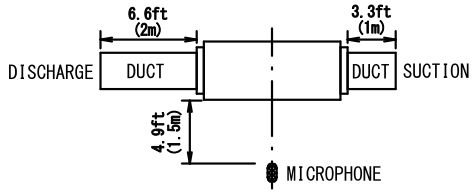
OPERATING CONDITIONS

POWER SOURCE 208 / 230V 60Hz

COOLING
RETURN AIR TEMPERATURE: 80.0° F(26.7℃)DB, 67.0° F(19.4℃)WB
OUTDOOR TEMPERATURE : 95.0° F(35.0℃)DB, 75.0° F(23.9℃)WB

HEATING
RETURN AIR TEMPERATURE: 70.0° F(21.1℃)DB, 60.0° F(15.6℃)WB
OUTDOOR TEMPERATURE : 47.0° F(8.3℃)DB, 43.0° F(6.1℃)WB

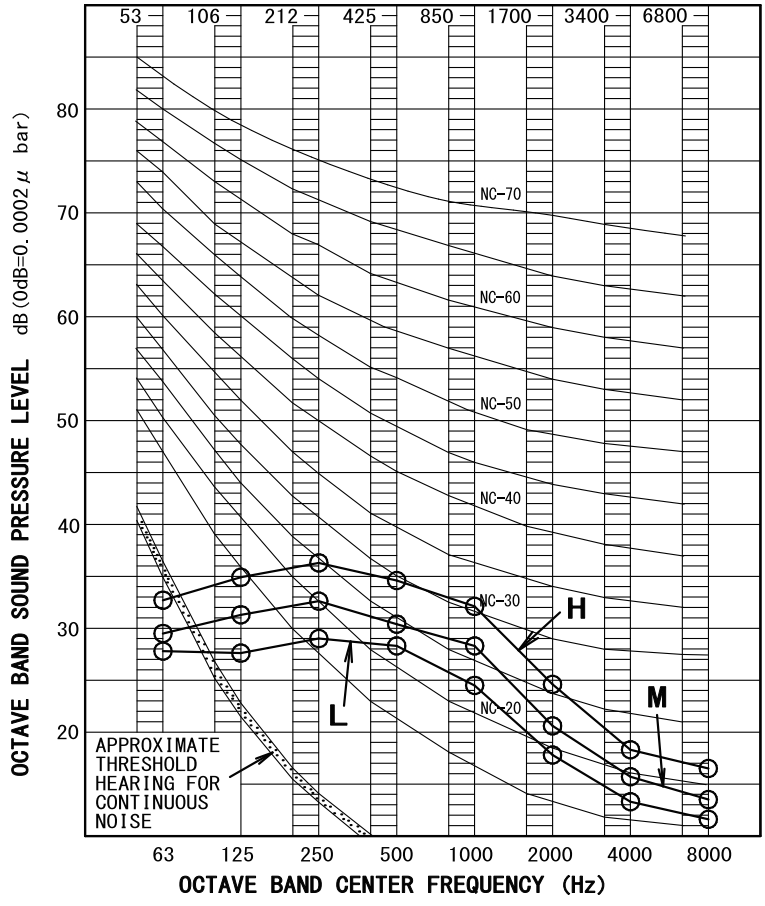
EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

4D140712

FXSQ24TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	36.0	32.0	29.0

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE 208 / 230V 60Hz

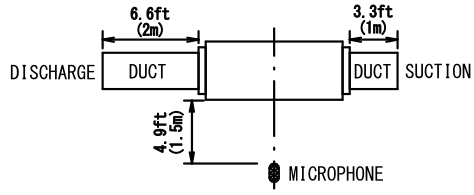
COOLING

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

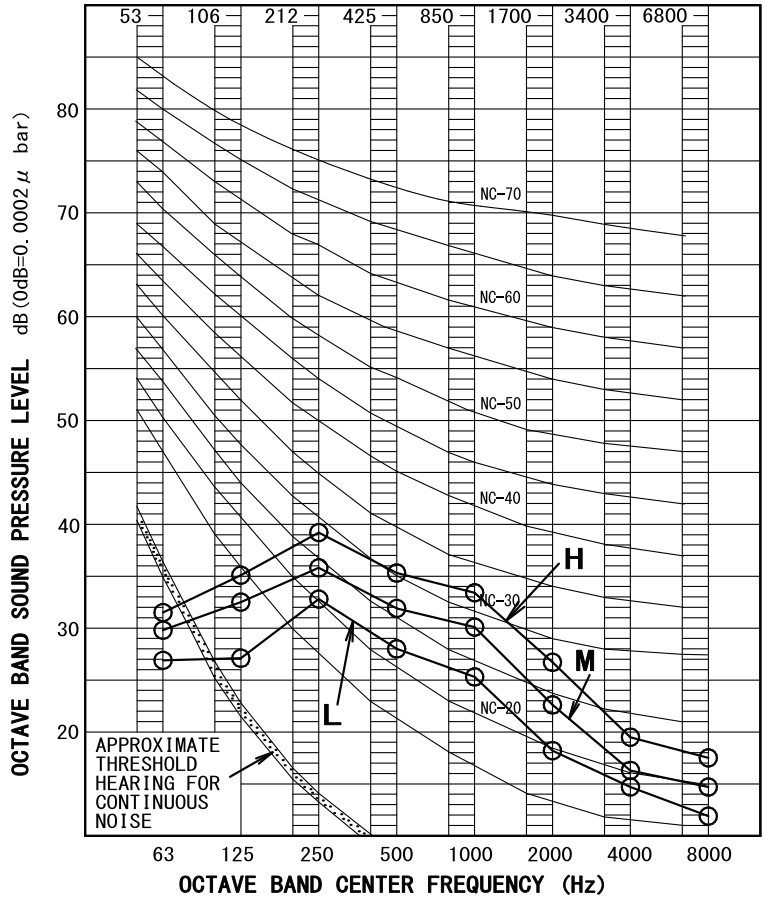
EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

4D140713

FXSQ30TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	37.5	34.0	30.0

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE 208 / 230V 60Hz

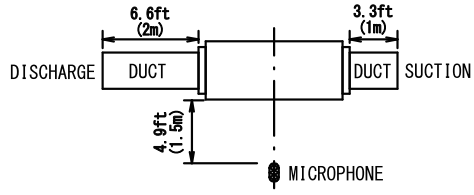
COOLING

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

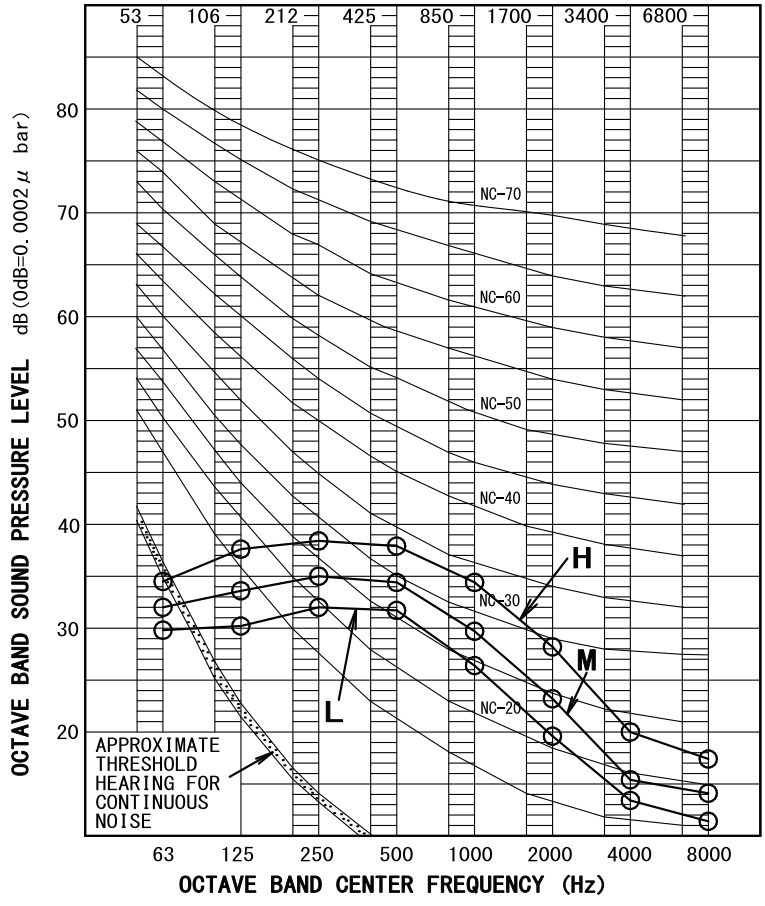
RETURN AIR TEMPERATURE: 70.0° F(21.1°C)DB, 60.0° F(15.6°C)WB
OUTDOOR TEMPERATURE : 47.0° F(8.3°C)DB, 43.0° F(6.1°C)WB

EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

FXSQ36TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	39.0	35.0	32.0

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE 208 / 230V 60Hz

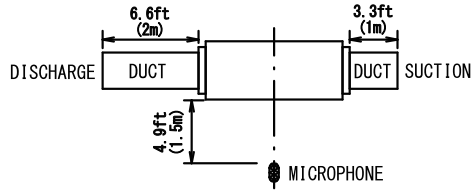
COOLING

RETURN AIR TEMPERATURE: 80.0° F(26.7℃)DB, 67.0° F(19.4℃)WB
OUTDOOR TEMPERATURE : 95.0° F(35.0℃)DB, 75.0° F(23.9℃)WB

HEATING

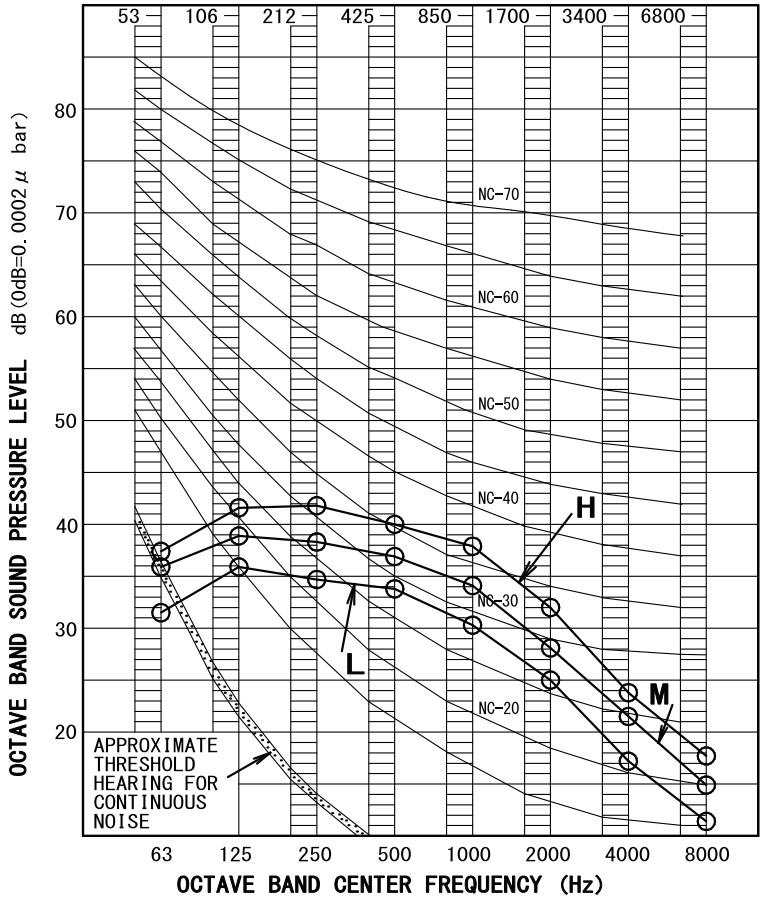
RETURN AIR TEMPERATURE: 70.0° F(21.1℃)DB, 60.0° F(15.6℃)WB
OUTDOOR TEMPERATURE : 47.0° F(8.3℃)DB, 43.0° F(6.1℃)WB

EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

FXSQ48TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	42.0	38.5	35.0

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE 208 / 230V 60Hz

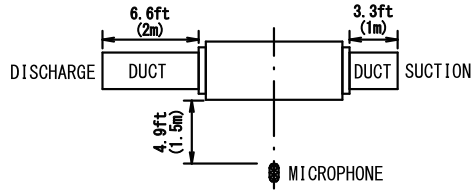
COOLING

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

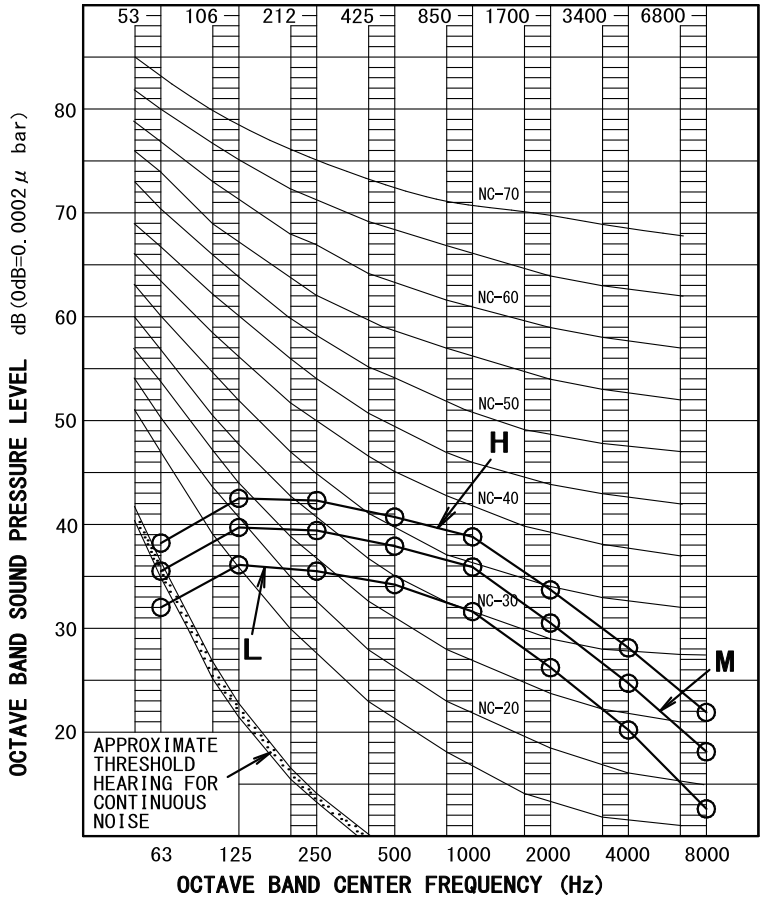
RETURN AIR TEMPERATURE: 70.0° F(21.1°C)DB, 60.0° F(15.6°C)WB
OUTDOOR TEMPERATURE : 47.0° F(8.3°C)DB, 43.0° F(6.1°C)WB

EXTERNAL STATIC PRESSURE 0.2in.WG(50Pa)



NOTE: OPERATION NOISE DIFFERS WITH OPERATION AND AMBIENT CONDITIONS.

FXSQ54TBVJU



OVER ALL (dB)

SCALE	AIRFLOW RATE		
	H	M	L
A	43.0	40.0	36.0

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

ANECHOIC CHAMBER

OPERATING CONDITIONS

POWER SOURCE 208 / 230V 60Hz

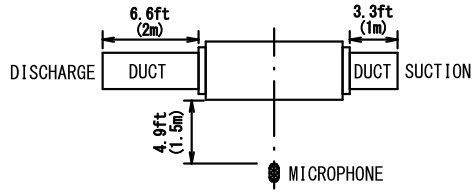
COOLING

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.

13.Accessories

13.1 Optional Accessories (for Unit)

Option	FXSQ05TBVJU FXSQ07TBVJU FXSQ09TBVJU FXSQ12TBVJU	FXSQ15TBVJU	FXSQ18TBVJU FXSQ24TBVJU FXSQ30TBVJU	FXSQ36TBVJU FXSQ48TBVJU	FXSQ54TBVJU
Shield plate for side plate	KDBD63A160				—

C: 3D140719

13.2 Optional Accessories (for Controls)

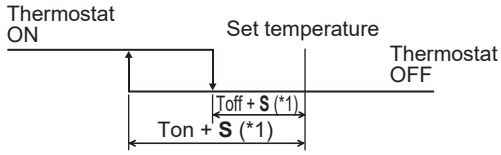
Refer to latest Controls Engineering Manual.

The latest controls engineering manual is available in Daikin City and can be downloaded using the path below.

Document Library → Product Category → VRV → VRV → Engineering Data Manual → “EM-Controls Optional Accessories”

14.Auxiliary Electric Heater Setting

Auxiliary electric heater ON/OFF temperature



Note:

*1. **S** value varies automatically based on the room temperature trend.

: Factory setting

Mode No.	First Code No.	Symbol	Second Code No.					
			01	02	03	04	05	06
11 (21)	1	Ton	–4°C (–7.2°F)	–3.5°C (–6.3°F)	–3°C (–5.4°F)	–2.5°C (–4.5°F)	–2°C (–3.6°F)	–1.5°C (–2.7°F)
	2	Toff	–2°C (–3.6°F)	–1.5°C (–2.7°F)	–1°C (–1.8°F)	–0.5°C (–0.9°F)	0°C (0°F)	0.5°C (0.9°F)

There is a limitation of combination between Ton and Toff as below due to 2°C (3.6°F) hysteresis required for reliability.

Second Code No.			Ton					
			01	02	03	04	05	06
			–4°C (–7.2°F)	–3.5°C (–6.3°F)	–3°C (–5.4°F)	–2.5°C (–4.5°F)	–2°C (–3.6°F)	–1.5°C (–2.7°F)
Toff	06	0.5°C (0.9°F)	●	●	●	●	●	●
	05	0°C (0°F)	●	●	●	●	●	—
	04	–0.5°C (–0.9°F)	●	●	●	●	—	—
	03	–1°C (–1.8°F)	●	●	●	—	—	—
	02	–1.5°C (–2.7°F)	●	●	—	—	—	—
	01	–2°C (–3.6°F)	●	—	—	—	—	—

●: Available
—: Not available

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 October 2022 but subject to change without notice.