FXDQ-PDVE(T) / FXDQ-NDVE(T) Slim Ceiling Mounted Duct (Standard Series) Type 60 Hz

1. Lineup....2
2. Specifications....3
   2.1 FXDQ-PDVE(T)....3
   2.2 FXDQ-NDVE(T)....7
3. Dimensions....11
   3.1 FXDQ-PDVE(T)....11
   3.2 FXDQ-NDVE(T)....13
4. Piping Diagrams....17
5. Wiring Diagrams....18
6. Electric Characteristics....19
7. Safety Devices Setting....20
8. Capacity Tables....21
   8.1 Cooling Capacity for Te: Auto....21
   8.2 Cooling Capacity for Te: 6°C....21
   8.3 Heating Capacity....22
9. Fan Performances....23
   9.1 FXDQ-PDVE(T)....23
   9.2 FXDQ-NDVE(T)....25
10. Sound Levels....28
   10.1 FXDQ-PDVE(T)....28
   10.2 FXDQ-NDVE(T)....30
11. Centre of Gravity....32
   11.1 FXDQ-PDVE(T)....32
   11.2 FXDQ-NDVE(T)....33

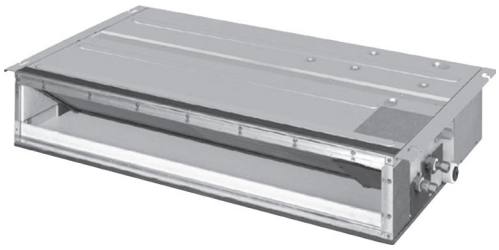
1. Lineup

Capacity range	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	7.1 kW
	0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP
Capacity index	20	25	31.25	40	50	62.5
FXDQ	20PDVE	25PDVE	32PDVE	—	—	—
	20PDVET	25PDVET	32PDVET	—	—	—
	—	—	—	40NDVE	50NDVE	63NDVE
	—	—	—	40NDVET	50NDVET	63NDVET

Note:

FXDQ has following 2 series, as shown below.
FXDQ-PDVE, NDVE, PDV2S, NDV2S, PDVE4, NDVE4: with a Drain Pump
FXDQ-PDVET, NDVET, PDVTS, NDVTS, PDVT4, NDVT4: without a Drain Pump

VE : 1 phase, 220-240/220 V, 50/60 Hz
VET : 1 phase, 220-240/220 V, 50/60 Hz



2. Specifications

2.1 FXDQ-PDVE(T)

With a drain pump

Model				FXDQ20PDVE	FXDQ25PDVE
Power supply				1 phase, 220-240/220 V, 50/60 Hz	1 phase, 220-240/220 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	1,900	2,400
			Btu/h	7,500	9,600
			kW	2.2	2.8
★2 ★3 Heating capacity			kcal/h	2,200	2,800
			Btu/h	8,500	10,900
			kW	2.5	3.2
Power input	Cooling	50 Hz	kW	0.086	0.086
		60 Hz	kW	0.092	0.092
	Heating	50 Hz	kW	0.067	0.067
		60 Hz	kW	0.073	0.073
Casing / Colour				Galvanized steel plate	Galvanized steel plate
Dimensions: (H×W×D)			mm	200×700×620	200×700×620
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	2×12×1.5	2×12×1.5
	Face area		m^2	0.126	0.126
Fan	Model			—	—
	Type			Sirocco fan	Sirocco fan
	Motor output × Number of units		W	62×1	62×1
	Airflow rate (HH/H/L)		m^3/min	8.0/7.2/6.4	8.0/7.2/6.4
			l/s	133/120/106	133/120/106
			cfm	282/254/226	282/254/226
	★4 External static pressure		Pa	30-10	30-10
	Drive			Direct drive	Direct drive
Temperature control				Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material				Foamed polyethylene	Foamed polyethylene
Air filter				Removal / Washable / Mildew proof	Removal / Washable / Mildew proof
Piping connections	Liquid pipes		mm	ϕ6.4 (Flare connection)	ϕ6.4 (Flare connection)
	Gas pipes		mm	ϕ12.7 (Flare connection)	ϕ12.7 (Flare connection)
	Drain pipe		mm	VP20 (External dia. 26, Internal dia. 20)	VP20 (External dia. 26, Internal dia. 20)
Mass			kg	23	23
★5 Sound pressure level (HH/H/L)			dB(A)	28/26/23	28/26/23
Sound power level (HH/H/L)			dB(A)	56/54/51	56/54/51
Safety devices				Fuse, Thermal protector for fan motor	Fuse, Thermal protector for fan motor
Refrigerant control				Electronic expansion valve	Electronic expansion valve
Standard accessories				Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter
Drawing No.	Specifications			C: 3D109082B	C: 3D109082B
	Sound level			C: 4D112287	C: 4D112290

Notes:

★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. External static pressure is changeable to set by the remote controller. This pressure means “High static pressure - Standard static pressure”. (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
★5. The operation sound levels are the conversion values in anechoic chamber.
In practice, the sound tend to be larger than the specified values due to ambient noise or reflections.
When the place of suction is changed to the bottom suction, the sound level will increase by approx, 5dBA.

Conversion formulae
kcal/h=kW×860 Btu/h=kW×3412 cfm=m^3/min×35.3 l/s=m^3/min×1000/60

With a drain pump

Model				FXDQ32PDVE
Power supply				1 phase, 220-240/220 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	3,100
			Btu/h	12,300
			kW	3.6
★2 ★3 Heating capacity			kcal/h	3,400
			Btu/h	13,600
			kW	4.0
Power input	Cooling	50 Hz	kW	0.089
		60 Hz	kW	0.095
	Heating	50 Hz	kW	0.070
		60 Hz	kW	0.076
Casing / Colour				Galvanized steel plate
Dimensions: (H×W×D)			mm	200×700×620
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×12×1.5
	Face area		m^2	0.126
Fan	Model			—
	Type			Sirocco fan
	Motor output × Number of units		W	62×1
	Airflow rate (HH/H/L)		m^3/min	8.0/7.2/6.4
			l/s	133/120/106
			cfm	282/254/226
	★4 External static pressure		Pa	30-10
	Drive			Direct drive
Temperature control				Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material				Foamed polyethylene
Air filter				Removal / Washable / Mildew proof
Piping connections	Liquid pipes		mm	ϕ6.4 (Flare connection)
	Gas pipes		mm	ϕ12.7 (Flare connection)
	Drain pipe		mm	VP20 (External dia. 26, Internal dia. 20)
Mass			kg	23
★5 Sound pressure level (HH/H/L)			dB(A)	28/26/24
Sound power level (HH/H/L)			dB(A)	56/54/52
Safety devices				Fuse, Thermal protector for fan motor
Refrigerant control				Electronic expansion valve
Standard accessories				Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter
Drawing No.	Specifications			C: 3D109082B
	Sound level			C: 4D112291

Notes:

★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. External static pressure is changeable to set by the remote controller. This pressure means “High static pressure - Standard static pressure”. (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
★5. The operation sound levels are the conversion values in anechoic chamber.
In practice, the sound tend to be larger than the specified values due to ambient noise or reflections.
When the place of suction is changed to the bottom suction, the sound level will increase by approx, 5dBA.

Conversion formulae
kcal/h=kW×860 Btu/h=kW×3412 cfm=m^3/min×35.3 l/s=m^3/min×1000/60

Without a drain pump

Model				FXDQ20PDVET	FXDQ25PDVET
Power supply				1 phase, 220-240/220 V, 50/60 Hz	1 phase, 220-240/220 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	1,900	2,400
			Btu/h	7,500	9,600
			kW	2.2	2.8
★2 ★3 Heating capacity			kcal/h	2,200	2,800
			Btu/h	8,500	10,900
			kW	2.5	3.2
Power input	Cooling	50 Hz	kW	0.067	0.067
		60 Hz	kW	0.073	0.073
	Heating	50 Hz	kW	0.067	0.067
		60 Hz	kW	0.073	0.073
Casing / Colour				Galvanized steel plate	Galvanized steel plate
Dimensions: (H×W×D)			mm	200×700×620	200×700×620
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	2×12×1.5	2×12×1.5
	Face area		m^2	0.126	0.126
Fan	Model			—	—
	Type			Sirocco fan	Sirocco fan
	Motor output × Number of units		W	62×1	62×1
	Airflow rate (HH/H/L)		m^3/min	8.0/7.2/6.4	8.0/7.2/6.4
			l/s	133/120/106	133/120/106
			cfm	282/254/226	282/254/226
	★4 External static pressure		Pa	30-10	30-10
	Drive			Direct drive	Direct drive
Temperature control				Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material				Foamed polyethylene	Foamed polyethylene
Air filter				Removal / Washable / Mildew proof	Removal / Washable / Mildew proof
Piping connections	Liquid pipes		mm	ϕ6.4 (Flare connection)	ϕ6.4 (Flare connection)
	Gas pipes		mm	ϕ12.7 (Flare connection)	ϕ12.7 (Flare connection)
	Drain pipe		mm	VP20 (External dia. 26, Internal dia. 20)	VP20 (External dia. 26, Internal dia. 20)
Mass			kg	23	23
★5 Sound pressure level (HH/H/L)			dB(A)	28/26/23	28/26/23
Sound power level (HH/H/L)			dB(A)	56/54/51	56/54/51
Safety devices				Fuse, Thermal protector for fan motor	Fuse, Thermal protector for fan motor
Refrigerant control				Electronic expansion valve	Electronic expansion valve
Standard accessories				Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter
Drawing No.	Specifications			C: 3D109082B	C: 3D109082B
	Sound level			C: 4D112287	C: 4D112290

Notes:

★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. External static pressure is changeable to set by the remote controller. This pressure means “High static pressure - Standard static pressure”. (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
★5. The operation sound levels are the conversion values in anechoic chamber.
In practice, the sound tend to be larger than the specified values due to ambient noise or reflections.
When the place of suction is changed to the bottom suction, the sound level will increase by approx, 5dBA.

Conversion formulae
kcal/h=kW×860 Btu/h=kW×3412 cfm=m^3/min×35.3 l/s=m^3/min×1000/60

Without a drain pump

Model				FXDQ32PDVET
Power supply				1 phase, 220-240/220 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	3,100
			Btu/h	12,300
			kW	3.6
★2 ★3 Heating capacity			kcal/h	3,400
			Btu/h	13,600
			kW	4.0
Power input	Cooling	50 Hz	kW	0.070
		60 Hz	kW	0.076
	Heating	50 Hz	kW	0.070
		60 Hz	kW	0.076
Casing / Colour				Galvanized steel plate
Dimensions: (H×W×D)			mm	200×700×620
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×12×1.5
	Face area		m^2	0.126
Fan	Model			—
	Type			Sirocco fan
	Motor output × Number of units		W	62×1
	Airflow rate (HH/H/L)		m^3/min	8.0/7.2/6.4
			l/s	133/120/106
			cfm	282/254/226
	★4 External static pressure		Pa	30-10
	Drive			Direct drive
Temperature control				Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material				Foamed polyethylene
Air filter				Removal / Washable / Mildew proof
Piping connections	Liquid pipes		mm	ϕ6.4 (Flare connection)
	Gas pipes		mm	ϕ12.7 (Flare connection)
	Drain pipe		mm	VP20 (External dia. 26, Internal dia. 20)
Mass			kg	23
★5 Sound pressure level (HH/H/L)			dB(A)	28/26/24
Sound power level (HH/H/L)			dB(A)	56/54/52
Safety devices				Fuse, Thermal protector for fan motor
Refrigerant control				Electronic expansion valve
Standard accessories				Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter
Drawing No.	Specifications			C: 3D109082B
	Sound level			C: 4D112291

Notes:

★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. External static pressure is changeable to set by the remote controller. This pressure means “High static pressure - Standard static pressure”. (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
★5. The operation sound levels are the conversion values in anechoic chamber.
In practice, the sound tend to be larger than the specified values due to ambient noise or reflections.
When the place of suction is changed to the bottom suction, the sound level will increase by approx, 5dBA.

Conversion formulae
kcal/h=kW×860 Btu/h=kW×3412 cfm=m^3/min×35.3 l/s=m^3/min×1000/60

2.2 FXDQ-NDVE(T)
With a drain pump

Model				FXDQ40NDVE	FXDQ50NDVE
Power supply				1 phase, 220-240/220 V, 50/60 Hz	1 phase, 220-240/220 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	3,900	4,800
			Btu/h	15,400	19,100
			kW	4.5	5.6
★2 ★3 Heating capacity			kcal/h	4,300	5,400
			Btu/h	17,100	21,500
			kW	5.0	6.3
Power input	Cooling	50 Hz	kW	0.160	0.165
		60 Hz	kW	0.182	0.185
	Heating	50 Hz	kW	0.147	0.152
		60 Hz	kW	0.168	0.170
Casing / Colour				Galvanized steel plate	Galvanized steel plate
Dimensions: (H×W×D)			mm	200×900×620	200×900×620
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×12×1.5	3×12×1.5
	Face area		m^2	0.176	0.176
Fan	Model			—	—
	Type			Sirocco fan	Sirocco fan
	Motor output × Number of units		W	62×1	130×1
	Airflow rate (HH/H/L)		m^3/min	10.5/9.5/8.5	12.5/11.0/10.0
			l/s	175/158/141	208/183/166
			cfm	371/335/300	441/388/353
	★4 External static pressure		Pa	44-15	44-15
	Drive			Direct drive	Direct drive
Temperature control				Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material				Foamed polyethylene	Foamed polyethylene
Air filter				Removal / Washable / Mildew proof	Removal / Washable / Mildew proof
Piping connections	Liquid pipes		mm	ϕ6.4 (Flare connection)	ϕ6.4 (Flare connection)
	Gas pipes		mm	ϕ12.7 (Flare connection)	ϕ12.7 (Flare connection)
	Drain pipe		mm	VP20 (External dia. 26, Internal dia. 20)	VP20 (External dia. 26, Internal dia. 20)
Mass			kg	27	28
★5 Sound pressure level (HH/H/L)			dB(A)	30/28/26	33/30/27
Sound power level (HH/H/L)			dB(A)	58/56/54	61/58/55
Safety devices				Fuse, Thermal protector for fan motor	Fuse, Thermal protector for fan motor
Refrigerant control				Electronic expansion valve	Electronic expansion valve
Standard accessories				Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter
Drawing No.	Specifications			C: 3D109082B	C: 3D109082B
	Sound level			C: 4D112292	C: 4D112294

Notes:

★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. External static pressure is changeable to set by the remote controller. This pressure means “High static pressure - Standard static pressure”. (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
★5. The operation sound levels are the conversion values in anechoic chamber.
In practice, the sound tend to be larger than the specified values due to ambient noise or reflections.
When the place of suction is changed to the bottom suction, the sound level will increase by approx, 5dBA.

Conversion formulae
kcal/h=kW×860 Btu/h=kW×3412 cfm=m^3/min×35.3 l/s=m^3/min×1000/60

With a drain pump

Model				FXDQ63NDVE
Power supply				1 phase, 220-240/220 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	6,100
			Btu/h	24,200
			kW	7.1
★2 ★3 Heating capacity			kcal/h	6,900
			Btu/h	27,300
			kW	8.0
Power input	Cooling	50 Hz	kW	0.181
		60 Hz	kW	0.192
	Heating	50 Hz	kW	0.168
		60 Hz	kW	0.179
Casing / Colour				Galvanized steel plate
Dimensions: (H×W×D)			mm	200×1,100×620
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×12×1.5
	Face area		m^2	0.227
Fan	Model			—
	Type			Sirocco fan
	Motor output × Number of units		W	130×1
	Airflow rate (HH/H/L)		m^3/min	16.5/14.5/13.0
			l/s	275/241/216
			cfm	583/512/459
	★4 External static pressure		Pa	44-15
	Drive			Direct drive
Temperature control				Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material				Foamed polyethylene
Air filter				Removal / Washable / Mildew proof
Piping connections	Liquid pipes		mm	ϕ9.5 (Flare connection)
	Gas pipes		mm	ϕ15.9 (Flare connection)
	Drain pipe		mm	VP20 (External dia. 26, Internal dia. 20)
Mass			kg	31
★5 Sound pressure level (HH/H/L)			dB(A)	33/31/29
Sound power level (HH/H/L)			dB(A)	61/59/57
Safety devices				Fuse, Thermal protector for fan motor
Refrigerant control				Electronic expansion valve
Standard accessories				Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter
Drawing No.	Specifications			C: 3D109082B
	Sound level			C: 4D112295

Notes:

★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. External static pressure is changeable to set by the remote controller. This pressure means “High static pressure - Standard static pressure”. (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
★5. The operation sound levels are the conversion values in anechoic chamber.
In practice, the sound tend to be larger than the specified values due to ambient noise or reflections.
When the place of suction is changed to the bottom suction, the sound level will increase by approx, 5dBA.

Conversion formulae
kcal/h=kW×860 Btu/h=kW×3412 cfm=m^3/min×35.3 l/s=m^3/min×1000/60

Without a drain pump

Model				FXDQ40NDVET	FXDQ50NDVET
Power supply				1 phase, 220-240/220 V, 50/60 Hz	1 phase, 220-240/220 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	3,900	4,800
			Btu/h	15,400	19,100
			kW	4.5	5.6
★2 ★3 Heating capacity			kcal/h	4,300	5,400
			Btu/h	17,100	21,500
			kW	5.0	6.3
Power input	Cooling	50 Hz	kW	0.147	0.152
		60 Hz	kW	0.168	0.170
	Heating	50 Hz	kW	0.147	0.152
		60 Hz	kW	0.168	0.170
Casing / Colour				Galvanized steel plate	Galvanized steel plate
Dimensions: (H×W×D)			mm	200×900×620	200×900×620
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×12×1.5	3×12×1.5
	Face area		m^2	0.176	0.176
Fan	Model			—	—
	Type			Sirocco fan	Sirocco fan
	Motor output × Number of units		W	62×1	130×1
	Airflow rate (HH/H/L)		m^3/min	10.5/9.5/8.5	12.5/11.0/10.0
			l/s	175/158/141	208/183/166
			cfm	371/335/300	441/388/353
	★4 External static pressure		Pa	44-15	44-15
	Drive			Direct drive	Direct drive
Temperature control				Microprocessor thermostat for cooling and heating	Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material				Foamed polyethylene	Foamed polyethylene
Air filter				Removal / Washable / Mildew proof	Removal / Washable / Mildew proof
Piping connections	Liquid pipes		mm	ϕ6.4 (Flare connection)	ϕ6.4 (Flare connection)
	Gas pipes		mm	ϕ12.7 (Flare connection)	ϕ12.7 (Flare connection)
	Drain pipe		mm	VP20 (External dia. 26, Internal dia. 20)	VP20 (External dia. 26, Internal dia. 20)
Mass			kg	27	28
★5 Sound pressure level (HH/H/L)			dB(A)	30/28/26	33/30/27
Sound power level (HH/H/L)			dB(A)	58/56/54	61/58/55
Safety devices				Fuse, Thermal protector for fan motor	Fuse, Thermal protector for fan motor
Refrigerant control				Electronic expansion valve	Electronic expansion valve
Standard accessories				Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter	Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter
Drawing No.	Specifications			C: 3D109082B	C: 3D109082B
	Sound level			C: 4D112292	C: 4D112294

Notes:

★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. External static pressure is changeable to set by the remote controller. This pressure means “High static pressure - Standard static pressure”. (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
★5. The operation sound levels are the conversion values in anechoic chamber.
In practice, the sound tend to be larger than the specified values due to ambient noise or reflections.
When the place of suction is changed to the bottom suction, the sound level will increase by approx, 5dBA.

Conversion formulae
kcal/h=kW×860 Btu/h=kW×3412 cfm=m^3/min×35.3 l/s=m^3/min×1000/60

Without a drain pump

Model				FXDQ63NDVET
Power supply				1 phase, 220-240/220 V, 50/60 Hz
★1 ★3 Cooling capacity			kcal/h	6,100
			Btu/h	24,200
			kW	7.1
★2 ★3 Heating capacity			kcal/h	6,900
			Btu/h	27,300
			kW	8.0
Power input	Cooling	50 Hz	kW	0.168
		60 Hz	kW	0.179
	Heating	50 Hz	kW	0.168
		60 Hz	kW	0.179
Casing / Colour				Galvanized steel plate
Dimensions: (H×W×D)			mm	200×1,100×620
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×12×1.5
	Face area		m^2	0.227
Fan	Model			—
	Type			Sirocco fan
	Motor output × Number of units		W	130×1
	Airflow rate (HH/H/L)		m^3/min	16.5/14.5/13.0
			l/s	275/241/216
			cfm	583/512/459
	★4 External static pressure		Pa	44-15
	Drive			Direct drive
Temperature control				Microprocessor thermostat for cooling and heating
Sound absorbing thermal insulation material				Foamed polyethylene
Air filter				Removal / Washable / Mildew proof
Piping connections	Liquid pipes		mm	ϕ9.5 (Flare connection)
	Gas pipes		mm	ϕ15.9 (Flare connection)
	Drain pipe		mm	VP20 (External dia. 26, Internal dia. 20)
Mass			kg	31
★5 Sound pressure level (HH/H/L)			dB(A)	33/31/29
Sound power level (HH/H/L)			dB(A)	61/59/57
Safety devices				Fuse, Thermal protector for fan motor
Refrigerant control				Electronic expansion valve
Standard accessories				Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Insulation for fitting, Clamp metal, Washer fixing plate, Screws for duct flanges, Air filter
Drawing No.	Specifications			C: 3D109082B
	Sound level			C: 4D112295

Notes:

★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. External static pressure is changeable to set by the remote controller. This pressure means “High static pressure - Standard static pressure”. (Factory setting is 10 Pa for FXDQ-PD models and 15 Pa for FXDQ-ND models.)
★5. The operation sound levels are the conversion values in anechoic chamber.
In practice, the sound tend to be larger than the specified values due to ambient noise or reflections.
When the place of suction is changed to the bottom suction, the sound level will increase by approx, 5dBA.

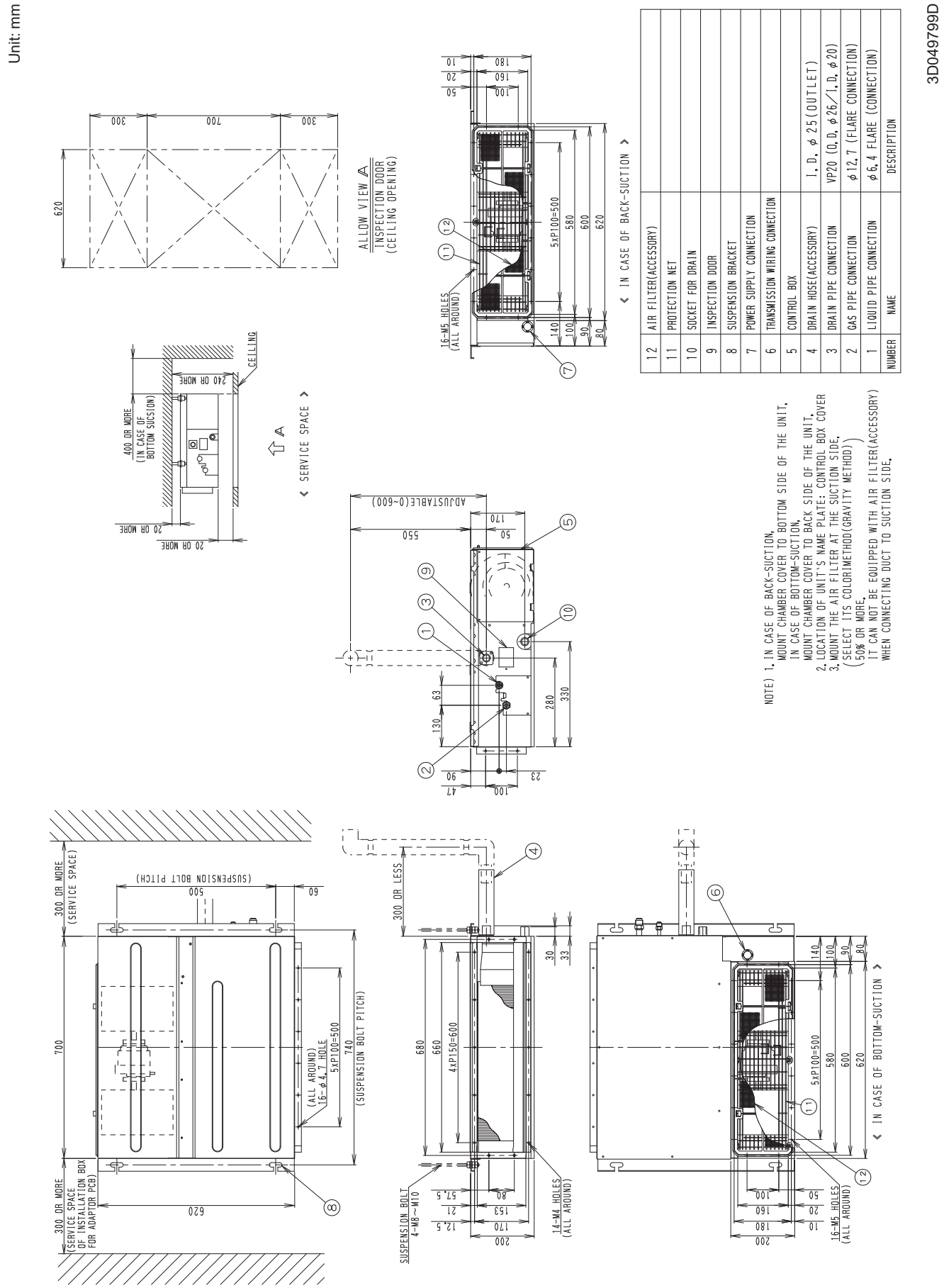
Conversion formulae
kcal/h=kW×860 Btu/h=kW×3412 cfm=m^3/min×35.3 l/s=m^3/min×1000/60

3. Dimensions

3.1 FXDQ-PDVE(T)

FXDQ20PDVE / FXDQ25PDVE / FXDQ32PDVE (with a drain pump)

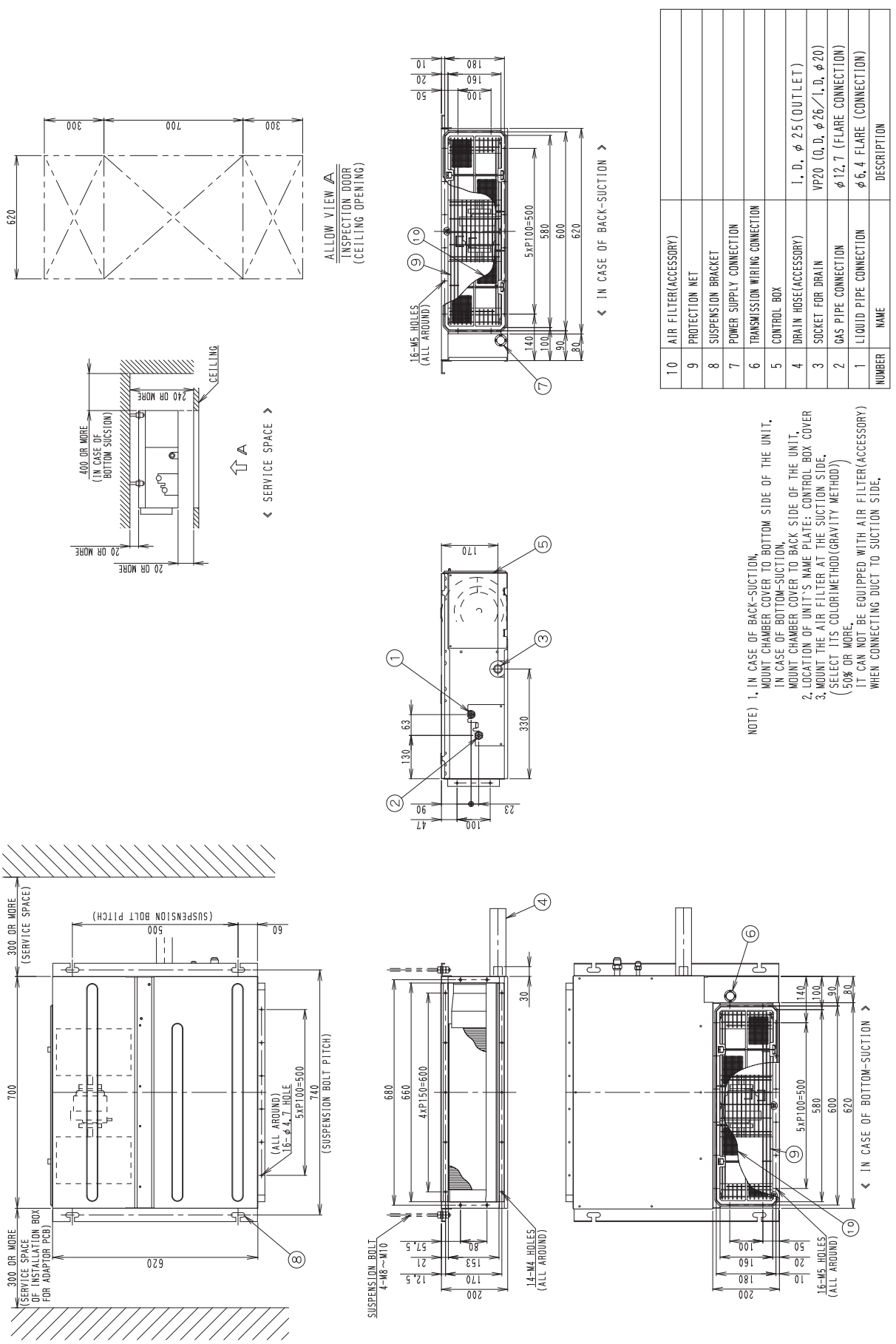
Unit: mm



NUMBER	NAME	DESCRIPTION
12	AIR FILTER(ACCESSORY)	
11	PROTECTION NET	
10	SOCKET FOR DRAIN	
9	INSPECTION DOOR	
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	TRANSMISSION WIRING CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I. D. φ25(OUTLET)
3	DRAIN PIPE CONNECTION	VP20 (O.D. φ26/I.D. φ20)
2	GAS PIPE CONNECTION	φ12.7 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	φ6.4 FLARE (CONNECTION)

FXDQ20PDVET / FXDQ25PDVET / FXDQ32PDVET (without a drain pump)

Unit: mm



NUMBER	NAME	DESCRIPTION
10	AIR FILTER(ACCESSORY)	
9	PROTECTION NET	
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	TRANSMISSION WIRING CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I. D. φ 25(OUTLET)
3	SOCKET FOR DRAIN	VP20 (O.D. φ26/I.D. φ20)
2	GAS PIPE CONNECTION	φ12.7 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	φ6.4 FLARE (CONNECTION)

NOTE) 1. IN CASE OF BACK-SUCTION,
MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT.
IN CASE OF BOTTOM-SUCTION,
MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2. LOCATION OF UNIT'S NAME PLATE: CONTROL BOX COVER
3. MOUNT THE AIR FILTER AT THE SUCTION SIDE.
(SELECT ITS COLOR(METHOD(GRAVITY METHOD))
(50% OR MORE.
IT CAN NOT BE EQUIPPED WITH AIR FILTER(ACCESSORY)
WHEN CONNECTING DUCT TO SUCTION SIDE.

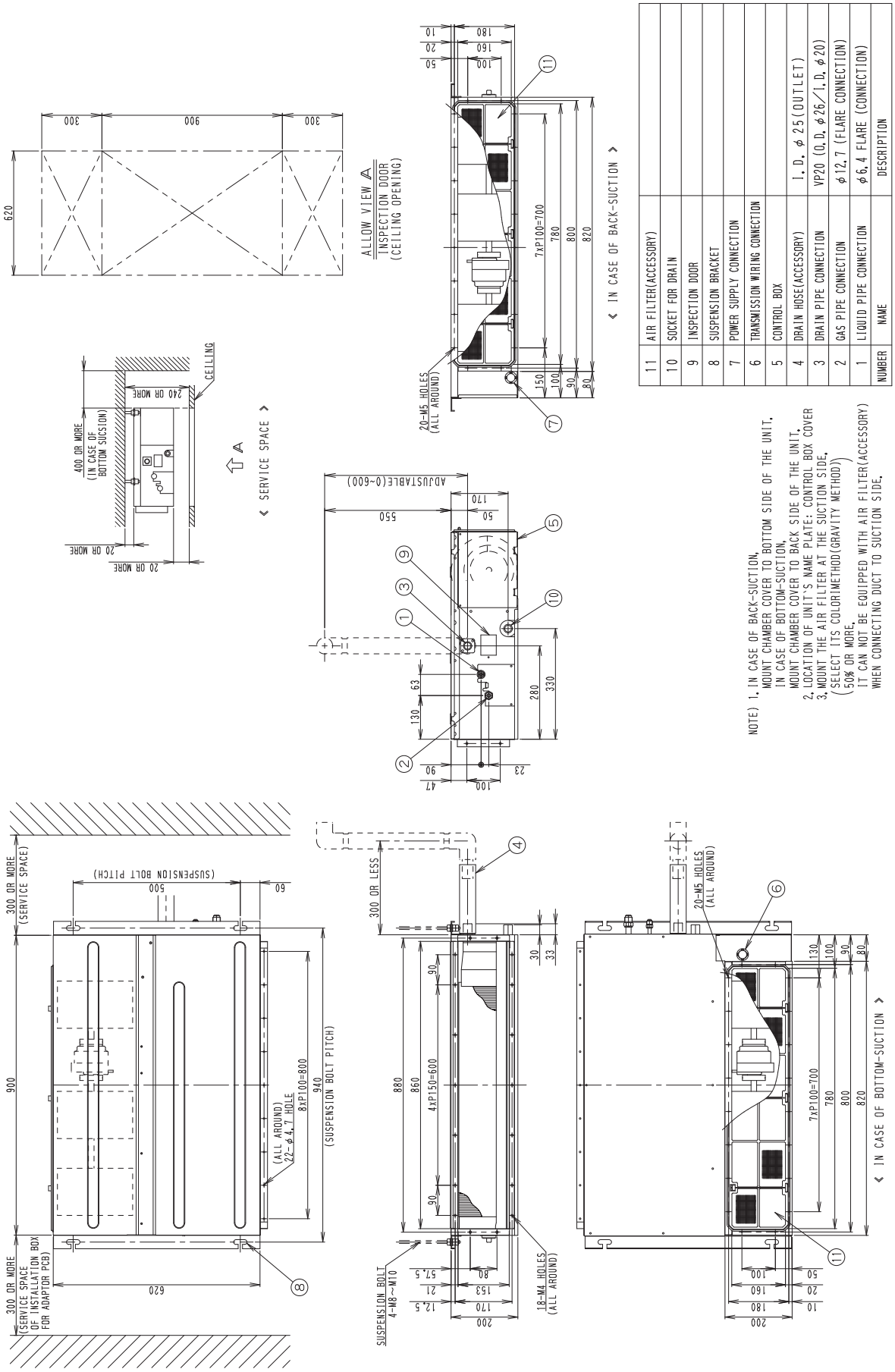
3D050732C

3.2 FXDQ-NDVE(T)

FXDQ40NDVE / FXDQ50NDVE (with a drain pump)

Unit: mm

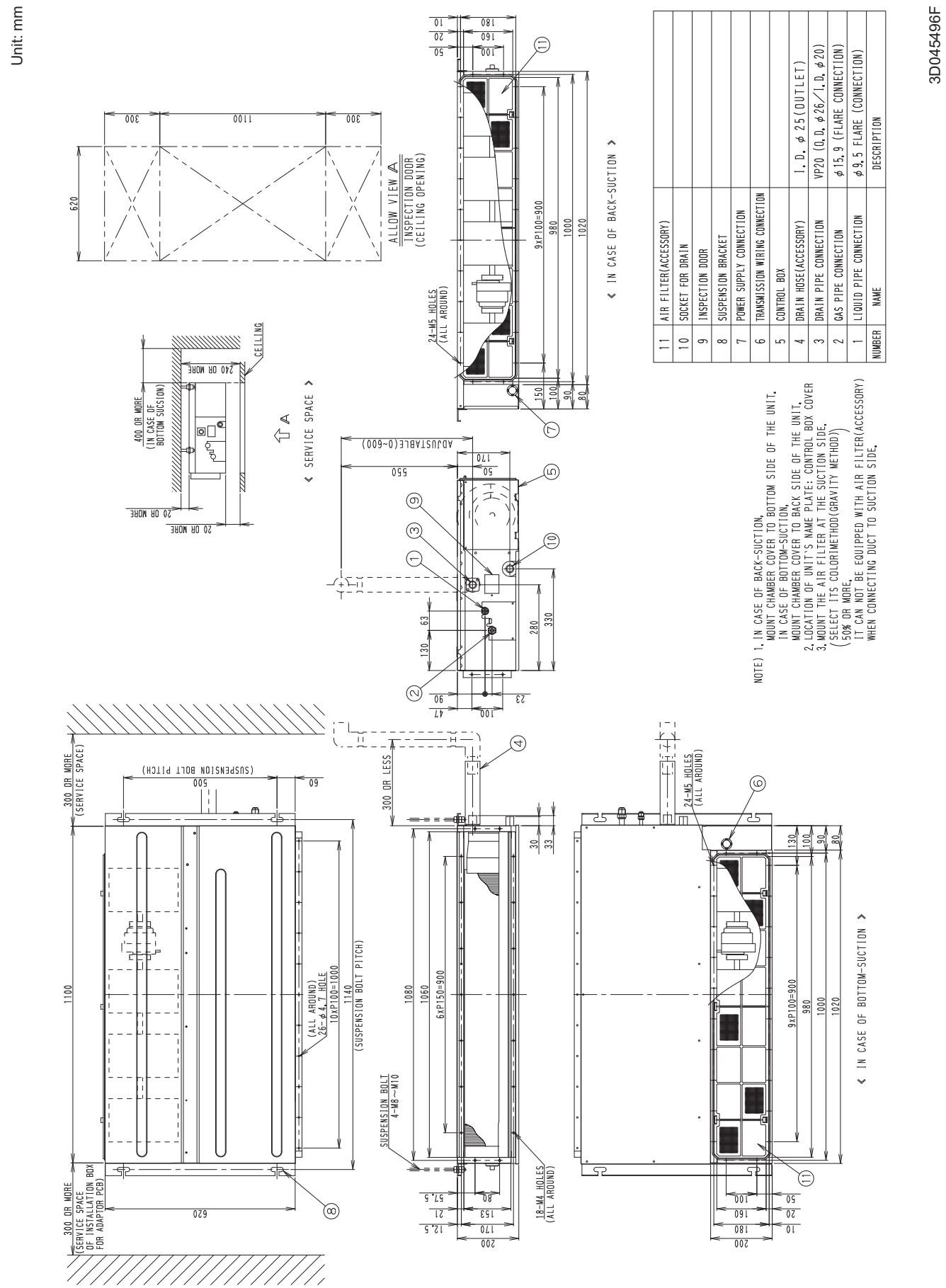
3D045494E



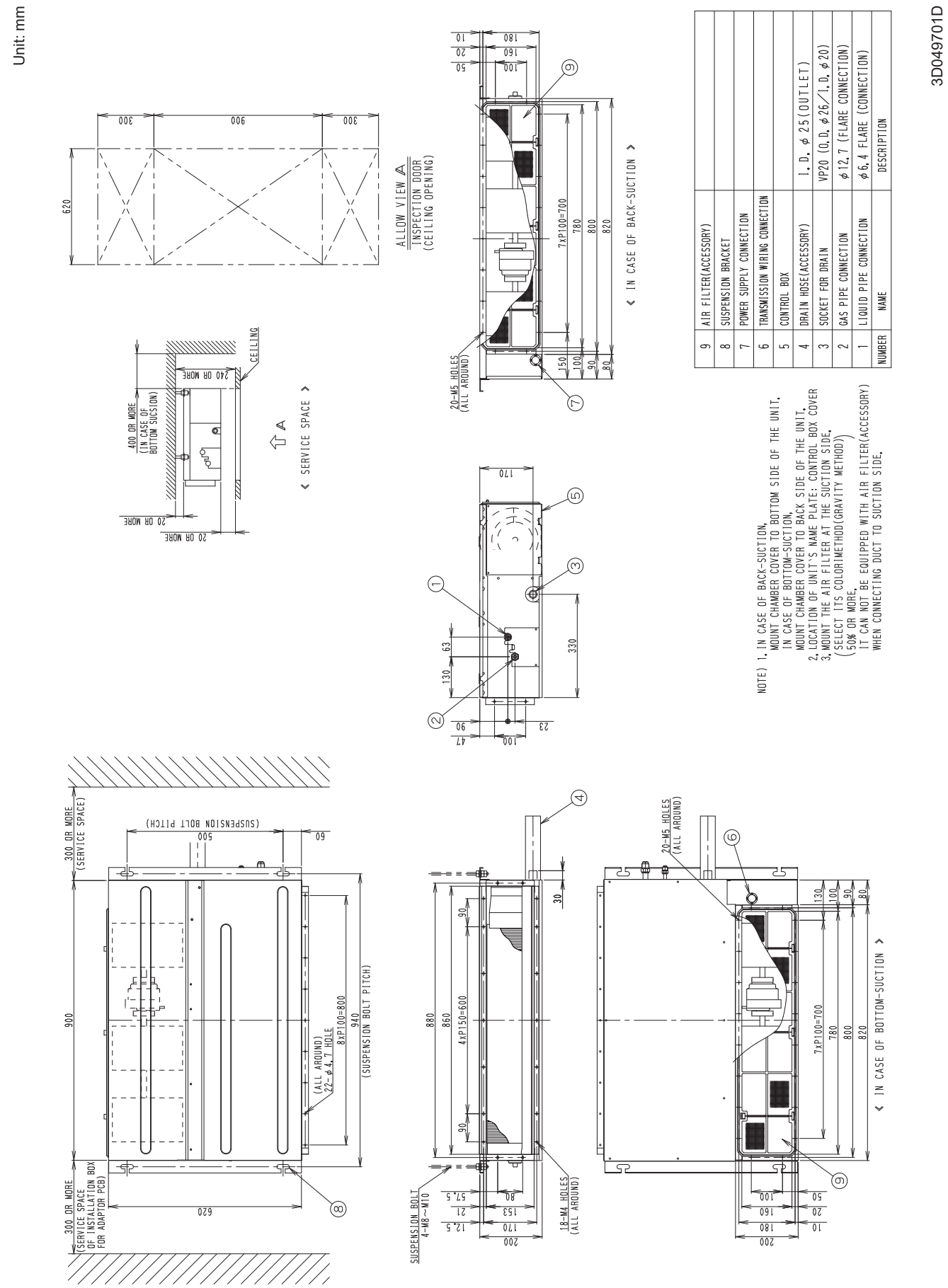
NUMBER	NAME	DESCRIPTION
11	AIR FILTER(ACCESSORY)	
10	SOCKET FOR DRAIN	
9	INSPECTION DOOR	
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	TRANSMISSION WIRING CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I. D. φ25(OUTLET)
3	DRAIN PIPE CONNECTION	VP20 (O. D. φ26/I. D. φ20)
2	GAS PIPE CONNECTION	φ12.7 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	φ6.4 FLARE (CONNECTION)

NOTE) 1. IN CASE OF BACK-SUCTION,
MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT.
IN CASE OF BOTTOM-SUCTION,
MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2. LOCATION OF UNIT'S NAME PLATE: CONTROL BOX COVER
3. MOUNT THE AIR FILTER AT THE SUCTION SIDE.
(SELECT ITS COLOR(METHOD(GRAVITY METHOD))
50% OR MORE.
IT CAN NOT BE EQUIPPED WITH AIR FILTER(ACCESSORY)
WHEN CONNECTING DUCT TO SUCTION SIDE.

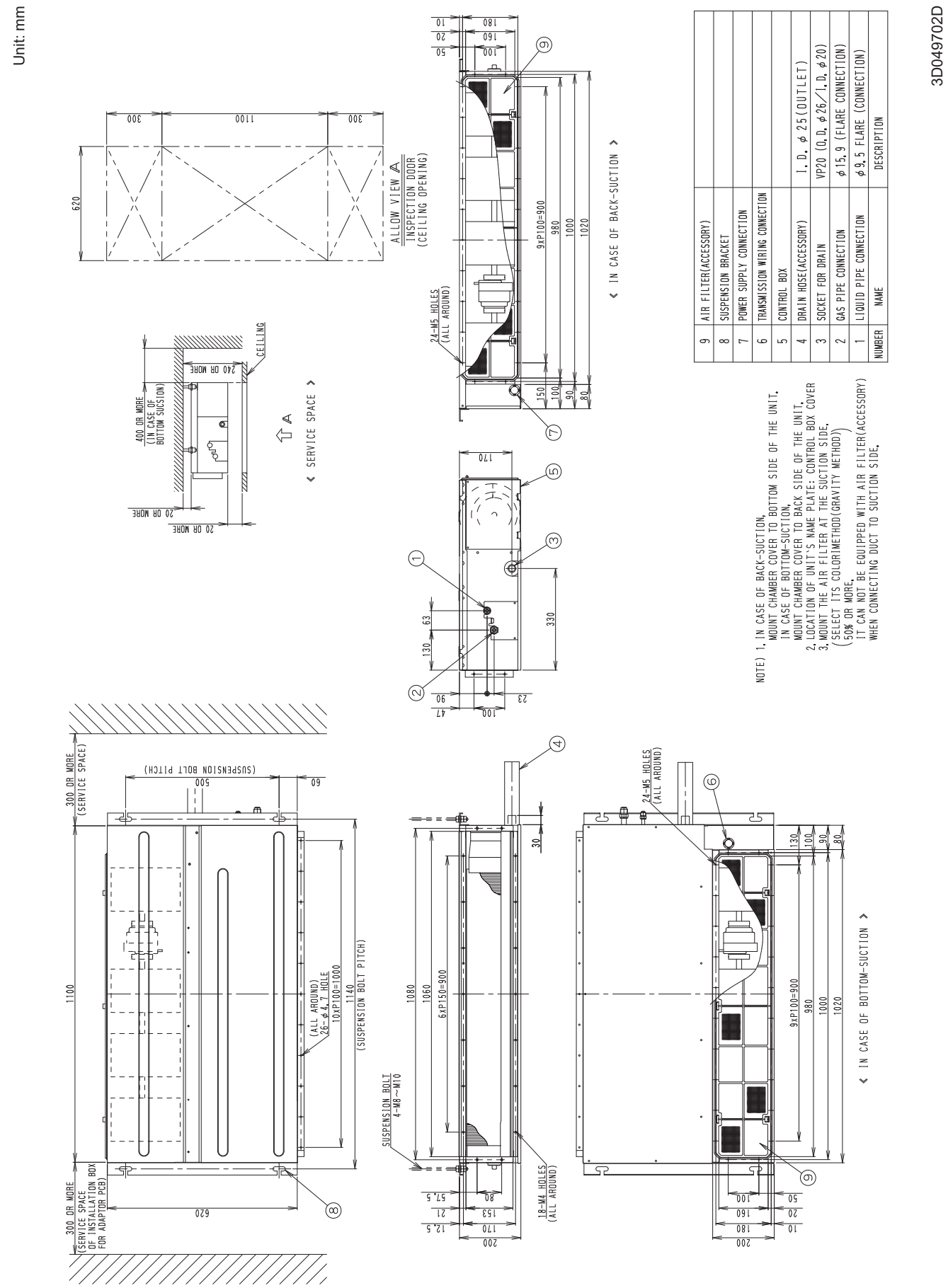
FXDQ63NDVE (with a drain pump)



FXDQ40NDVET / FXDQ50NDVET (without a drain pump)

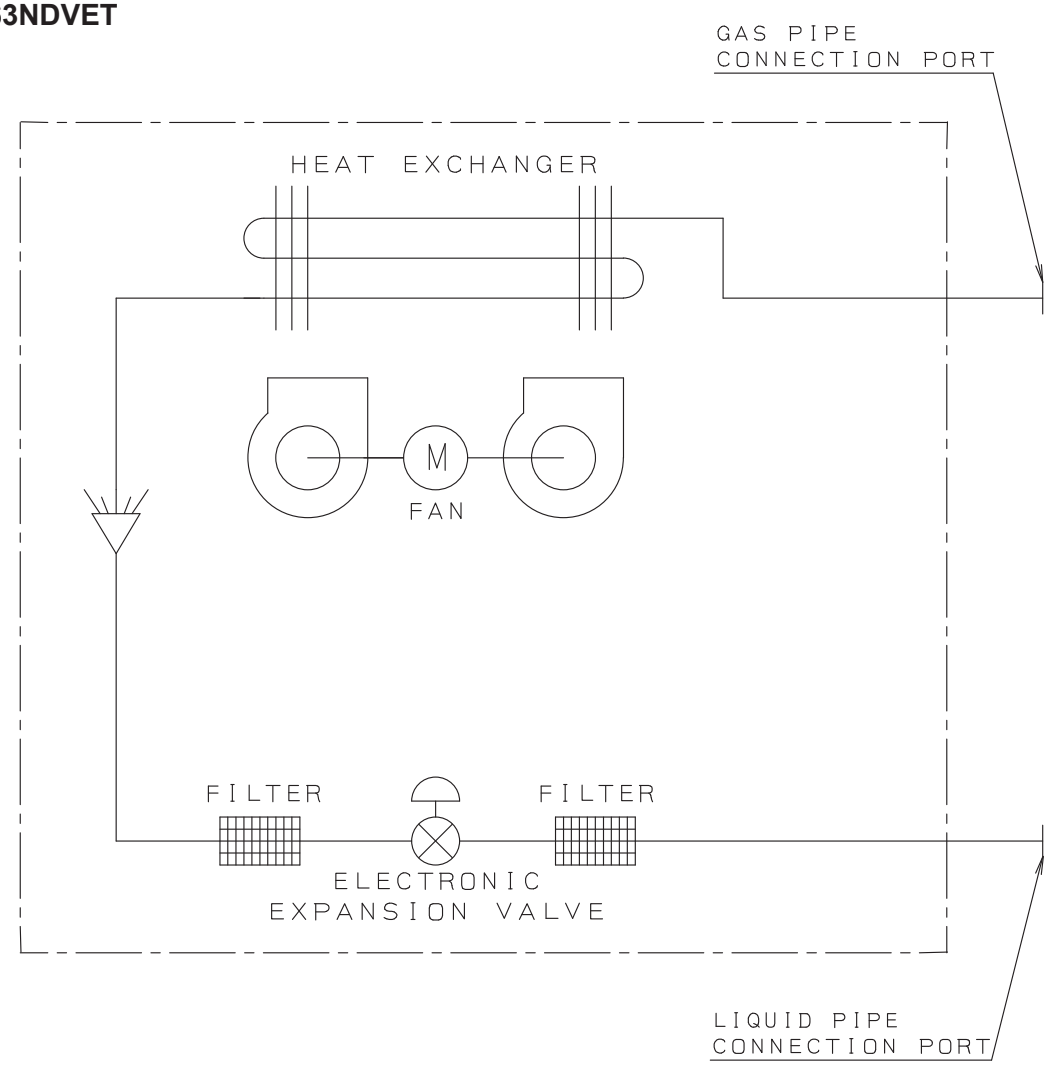


FXDQ63NDVET (without a drain pump)



4. Piping Diagrams

FXDQ20PDVE / FXDQ25PDVE / FXDQ32PDVE / FXDQ40NDVE / FXDQ50NDVE / FXDQ63NDVE FXDQ20PDVET / FXDQ25PDVET / FXDQ32PDVET / FXDQ40NDVET / FXDQ50NDVET / FXDQ63NDVET



APPLICABLE MODEL: FXMQ, FXSQ, FXDQ

4D104913

■ **Refrigerant pipe connection port diameters**

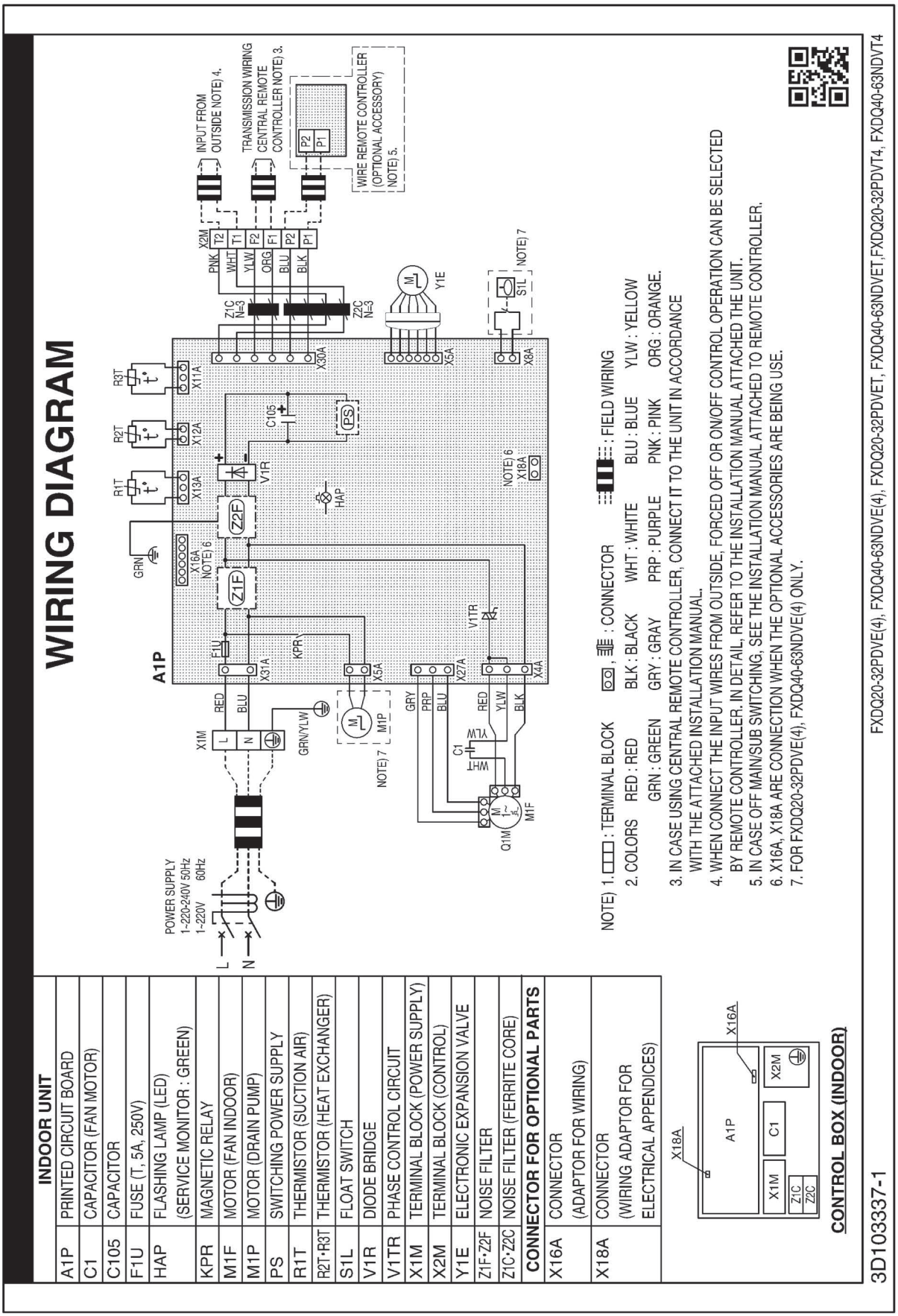
Unit: mm

Model	Gas	Liquid
FXDQ20PDVE / FXDQ25PDVE / FXDQ32PDVE / FXDQ40NDVE / FXDQ50NDVE FXDQ20PDVET / FXDQ25PDVET / FXDQ32PDVET / FXDQ40NDVET / FXDQ50NDVET	ϕ12.7	ϕ6.4
FXDQ63NDVE FXDQ63NDVET	ϕ15.9	ϕ9.5

5. Wiring Diagrams

FXDQ20PDVE / FXDQ25PDVE / FXDQ32PDVE / FXDQ40NDVE / FXDQ50NDVE / FXDQ63NDVE FXDQ20PDVET / FXDQ25PDVET / FXDQ32PDVET / FXDQ40NDVET / FXDQ50NDVET / FXDQ63NDVET

3D103337A



6. Electric Characteristics

FXDQ20PDVE / FXDQ25PDVE / FXDQ32PDVE / FXDQ40NDVE / FXDQ50NDVE / FXDQ63NDVE
FXDQ20PDVET / FXDQ25PDVET / FXDQ32PDVET / FXDQ40NDVET / FXDQ50NDVET / FXDQ63NDVET

Model	Power supply					IFM		Input (W)	
	Hz	Volts	Voltage rang	MCA	MFA	kW	FLA	Cooling	Heating
FXDQ20PDVE/VE4	50	220~240V	Max.264V Min.198V	0.8	16	0.062	0.6	86	67
FXDQ25PDVE/VE4		220~240V		0.8	16	0.062	0.6	86	67
FXDQ32PDVE/VE4		220~240V		0.8	16	0.062	0.6	89	70
FXDQ40NDVE/VE4		220~240V		1.0	16	0.062	0.8	160	147
FXDQ50NDVE/VE4		220~240V		1.0	16	0.13	0.8	165	152
FXDQ63NDVE/VE4		220~240V		1.1	16	0.13	0.9	181	168
FXDQ20PDVE/VE4	60	220V	Max.242V Min.198V	0.9	16	0.062	0.7	92	73
FXDQ25PDVE/VE4		220V		0.9	16	0.062	0.7	92	73
FXDQ32PDVE/VE4		220V		0.9	16	0.062	0.7	95	76
FXDQ40NDVE/VE4		220V		1.1	16	0.062	0.9	182	168
FXDQ50NDVE/VE4		220V		1.3	16	0.13	1.0	185	170
FXDQ63NDVE/VE4		220V		1.4	16	0.13	1.1	192	179

Model	Power supply					IFM		Input (W)	
	Hz	Volts	Voltage rang	MCA	MFA	kW	FLA	Cooling	Heating
FXDQ20PDVET/VT4	50	220~240V	Max.264V Min.198V	0.7	16	0.062	0.6	67	67
FXDQ25PDVET/VT4		220~240V		0.7	16	0.062	0.6	67	67
FXDQ32PDVET/VT4		220~240V		0.7	16	0.062	0.6	70	70
FXDQ40NDVET/VT4		220~240V		1.0	16	0.062	0.8	147	147
FXDQ50NDVET/VT4		220~240V		1.0	16	0.13	0.8	152	152
FXDQ63NDVET/VT4		220~240V		1.1	16	0.13	0.9	168	168
FXDQ20PDVET/VT4	60	220V	Max.242V Min.198V	0.8	16	0.062	0.7	73	73
FXDQ25PDVET/VT4		220V		0.8	16	0.062	0.7	73	73
FXDQ32PDVET/VT4		220V		0.8	16	0.062	0.7	76	76
FXDQ40NDVET/VT4		220V		1.1	16	0.062	0.9	168	168
FXDQ50NDVET/VT4		220V		1.3	16	0.13	1.0	170	170
FXDQ63NDVET/VT4		220V		1.4	16	0.13	1.1	179	179

Model	Power supply					IFM		Input (W)	
	Hz	Volts	Voltage rang	MCA	MFA	kW	FLA	Cooling	Heating
FXDQ20PDV2S	50	220V	Max.242V Min.198V	0.8	16	0.062	0.6	86	67
FXDQ25PDV2S		220V		0.8	16	0.062	0.6	86	67
FXDQ32PDV2S		220V		0.8	16	0.062	0.6	89	70
FXDQ40NDV2S		220V		1.0	16	0.062	0.8	160	147
FXDQ50NDV2S		220V		1.0	16	0.13	0.8	165	152
FXDQ63NDV2S		220V		1.1	16	0.13	0.9	181	168

Model	Power supply					IFM		Input (W)	
	Hz	Volts	Voltage rang	MCA	MFA	kW	FLA	Cooling	Heating
FXDQ20PDVTS	50	220V	Max.242V Min.198V	0.7	16	0.062	0.6	67	67
FXDQ25PDVTS		220V		0.7	16	0.062	0.6	67	67
FXDQ32PDVTS		220V		0.7	16	0.062	0.6	70	70
FXDQ40NDVTS		220V		1.0	16	0.062	0.8	147	147
FXDQ50NDVTS		220V		1.0	16	0.13	0.8	152	152
FXDQ63NDVTS		220V		1.1	16	0.13	0.9	168	168

Symbols:

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

Note:

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. Maximun allowable voltage unbalance between phases is 2%.
3. MCA／MFA
   MCA ＝ 1.25 X FLA
   MFA ≦ 4 X FLA
   (Next lower standard fuse rating Min. 16 A)
4. Select wire size base on the MCA.
5. Instead of fuse, use circuit breaker.
6. The above is the value when air flow rate is maximum at maximum external static pressure position.

3D112184

7. Safety Devices Setting

Model		FXDQ20PDVE	FXDQ25PDVE	FXDQ32PDVE
PCB fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal protector	°C	OFF: 130±5 ON: 83±15	OFF: 130±5 ON: 83±15	OFF: 130±5 ON: 83±15
Drain pump thermal fuse	°C	145	145	145

Model		FXDQ20PDVET	FXDQ25PDVET	FXDQ32PDVET
PCB fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal protector	°C	OFF: 130±5 ON: 83±15	OFF: 130±5 ON: 83±15	OFF: 130±5 ON: 83±15
Drain pump thermal fuse	°C	—	—	—

Model		FXDQ40NDVE	FXDQ50NDVE	FXDQ63NDVE
PCB fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal protector	°C	OFF: 130±5 ON: 83±15	OFF: 130±5 ON: 83±15	OFF: 130±5 ON: 83±15
Drain pump thermal fuse	°C	145	145	145

Model		FXDQ40NDVET	FXDQ50NDVET	FXDQ63NDVET
PCB fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal protector	°C	OFF: 130±5 ON: 83±15	OFF: 130±5 ON: 83±15	OFF: 130±5 ON: 83±15
Drain pump thermal fuse	°C	—	—	—

3D104897

8. Capacity Tables

8.1 Cooling Capacity for Te: Auto

Model	Capacity indication	Indoor air temp.													
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB		24°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
FXDQ20PDVE FXDQ20PDVET	20	1.9	1.8	2.1	1.9	2.2	1.9	2.2	1.9	2.2	1.8	2.3	1.6	2.3	1.7
FXDQ25PDVE FXDQ25PDVET	25	2.5	2.1	2.6	2.2	2.8	2.3	2.8	2.1	2.8	2.1	2.9	2.0	3.0	1.9
FXDQ32PDVE FXDQ32PDVET	32	3.2	2.4	3.4	2.6	3.5	2.6	3.6	2.6	3.6	2.4	3.7	2.4	3.8	2.4
FXDQ40NDVE FXDQ40NDVET	40	4.0	3.0	4.2	3.3	4.4	3.4	4.5	3.3	4.6	3.1	4.7	3.0	4.8	3.1
FXDQ50NDVE FXDQ50NDVET	50	4.9	3.7	5.3	4.0	5.5	4.2	5.6	4.0	5.7	3.9	5.8	3.8	5.9	3.5
FXDQ63NDVE FXDQ63NDVET	63	6.3	4.8	6.7	5.1	7.0	5.3	7.1	4.9	7.2	4.6	7.3	4.6	7.5	4.6

TC: Total capacity: kW
SHC: Sensible heat capacity: kW

Notes:

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

8.2 Cooling Capacity for Te: 6°C

Model	Capacity indication	Indoor air temp.													
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB		24°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
FXDQ20PDVE FXDQ20PDVET	20	1.5	1.4	1.8	1.6	2.1	1.8	2.2	1.9	2.2	1.8	2.3	1.6	2.3	1.7
FXDQ25PDVE FXDQ25PDVET	25	1.9	1.6	2.3	1.9	2.6	2.1	2.8	2.1	2.8	2.1	2.9	2.0	3.0	1.9
FXDQ32PDVE FXDQ32PDVET	32	2.4	1.9	2.9	2.2	3.4	2.4	3.6	2.6	3.6	2.4	3.7	2.4	3.8	2.4
FXDQ40NDVE FXDQ40NDVET	40	3.0	2.5	3.6	2.8	4.2	3.2	4.5	3.3	4.6	3.1	4.7	3.0	4.8	3.1
FXDQ50NDVE FXDQ50NDVET	50	3.8	3.1	4.5	3.5	5.2	3.9	5.6	4.0	5.7	3.9	5.8	3.8	5.9	3.5
FXDQ63NDVE FXDQ63NDVET	63	4.8	3.8	5.7	4.3	6.6	4.8	7.1	4.9	7.2	4.6	7.4	4.6	7.5	4.6

TC: Total capacity: kW
SHC: Sensible heat capacity: kW

Notes:

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

8.3 Heating Capacity

Model	Capacity indication	Indoor air temp.					
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB
		kW	kW	kW	kW	kW	kW
FXDQ20PDVE FXDQ20PDVET	20	2.6	2.6	2.5	2.4	2.3	2.2
FXDQ25PDVE FXDQ25PDVET	25	3.4	3.4	3.2	3.1	3.0	2.8
FXDQ32PDVE FXDQ32PDVET	32	4.2	4.2	4.0	3.9	3.7	3.5
FXDQ40NDVE FXDQ40NDVET	40	5.2	5.2	5.0	4.8	4.7	4.4
FXDQ50NDVE FXDQ50NDVET	50	6.6	6.6	6.3	6.1	5.9	5.5
FXDQ63NDVE FXDQ63NDVET	63	8.4	8.4	8.0	7.7	7.5	7.0

Notes:

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

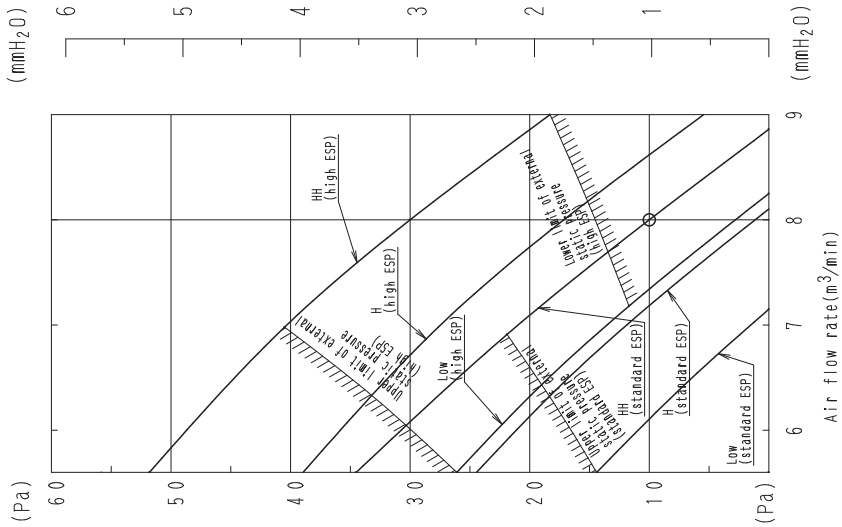
9. Fan Performances

9.1 FXDQ-PDVE(T)

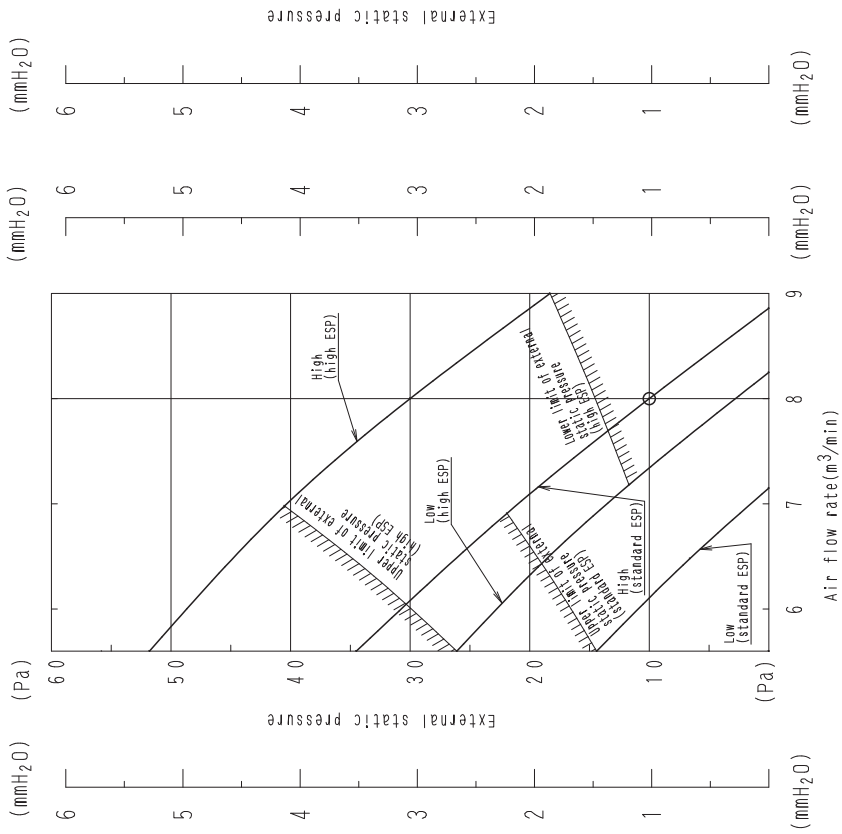
FXDQ20PDVE / FXDQ25PDVE
FXDQ20PDVET / FXDQ25PDVET

Notes: 1. The remote controller can be used to switch between "high" and "low". ("HH", "H" and "L" for FXDQ~PBVE(T)(W) model)
2. The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by the remote controller.

FXDQ20PBVE, FXDQ25PBVE
FXDQ20PBVET, FXDQ25PBVET
FXDQ20PBVT, FXDQ25PBVT
FXDQ20PBNVT, FXDQ25PBNVT
FXDQ20PBVEW, FXDQ25PBVEW
FXDQ20, 25PDVE(PDVE4)(PDV2S)
FXDQ20, 25PDVET(PDVT4)(PDVTS)



FXDQ20PVE, FXDQ25PVE
FXDQ20PVET, FXDQ25PVET



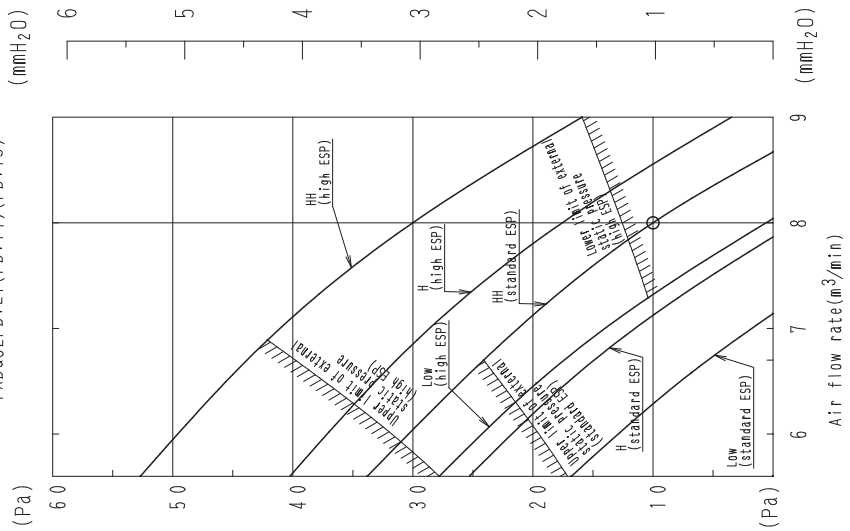
3D052156E

FXDQ32PDVE
FXDQ32PDVET

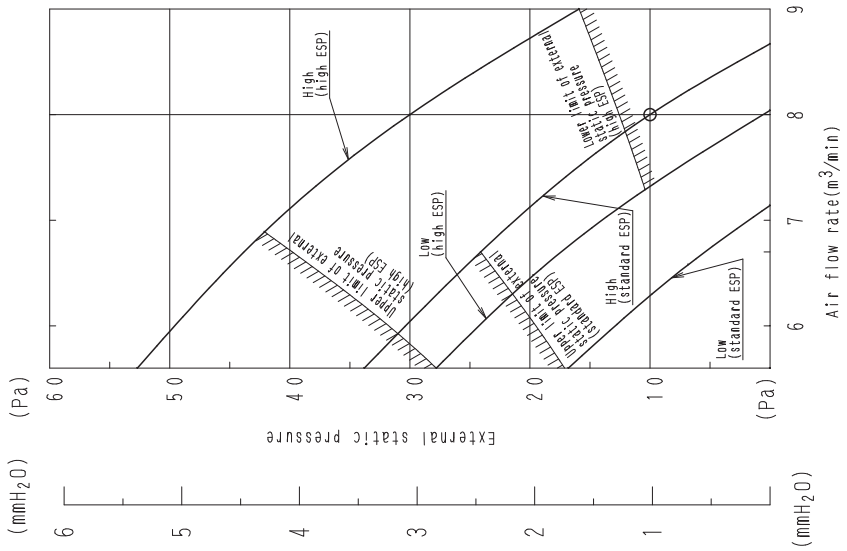
3D052157E

Notes: 1. The remote controller can be used to switch between "high" and "low". ("HH","H" and "L" for FXDQ~PBVE(T)(W) model)
2. The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by the remote controller.

FXDQ32PBVE
FXDQ32PBVET
FXDQ32PBVT
FXDQ32PBNVT
FXDQ32PBVEW
FXDQ32PDVE(PDVE4)(PDV2S)
FXDQ32PDVET(PDVT4)(PDVTS)



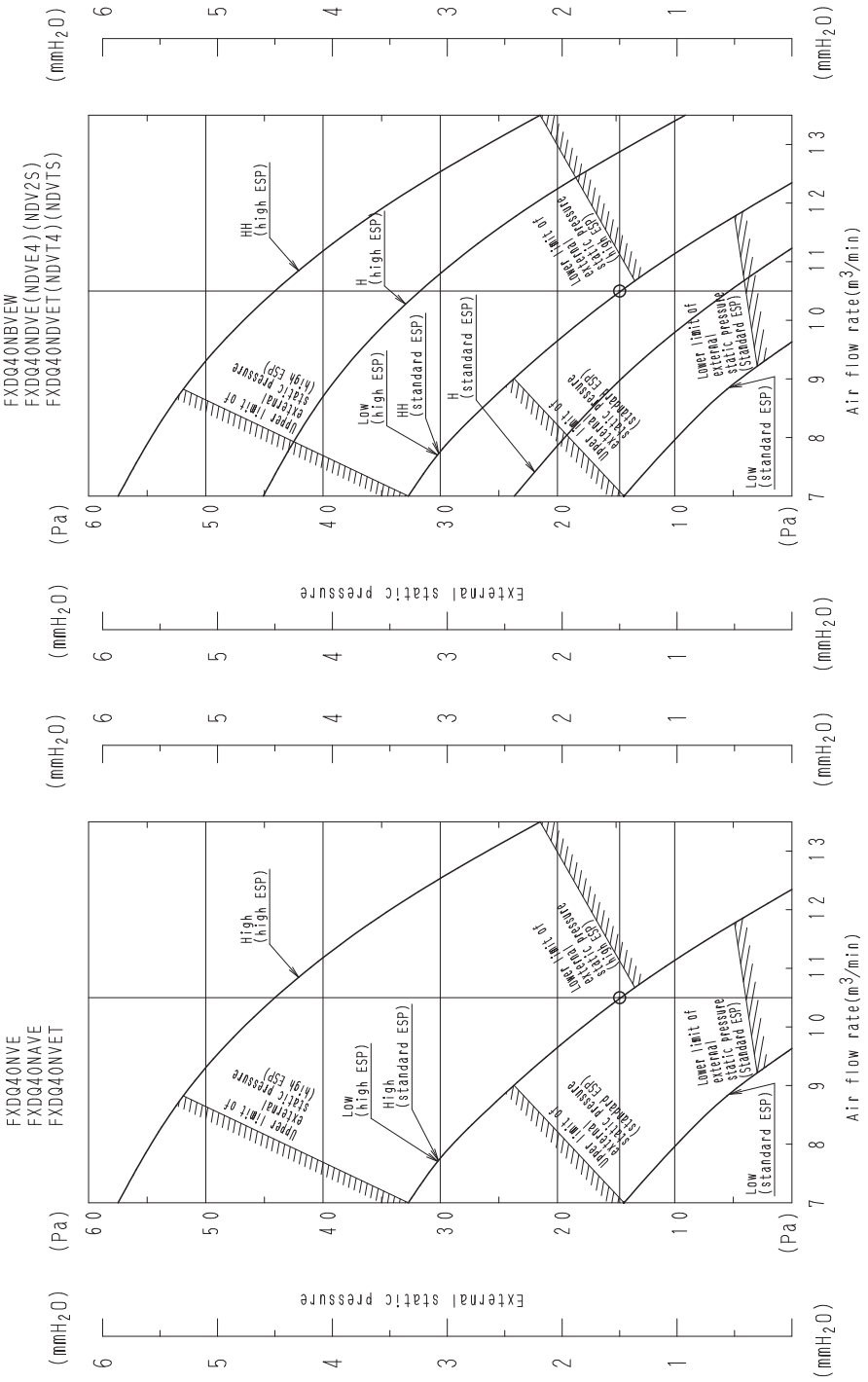
FXDQ32PVE
FXDQ32PVET



9.2 FXDQ-NDVE(T)

FXDQ40NDVE
FXDQ40NDVET

Notes: 1. The remote controller can be used to switch between "high" and "low". ("HH", "H" and "L" for FXDQ~NBVE(T)(W) model)
2. The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by the remote controller.

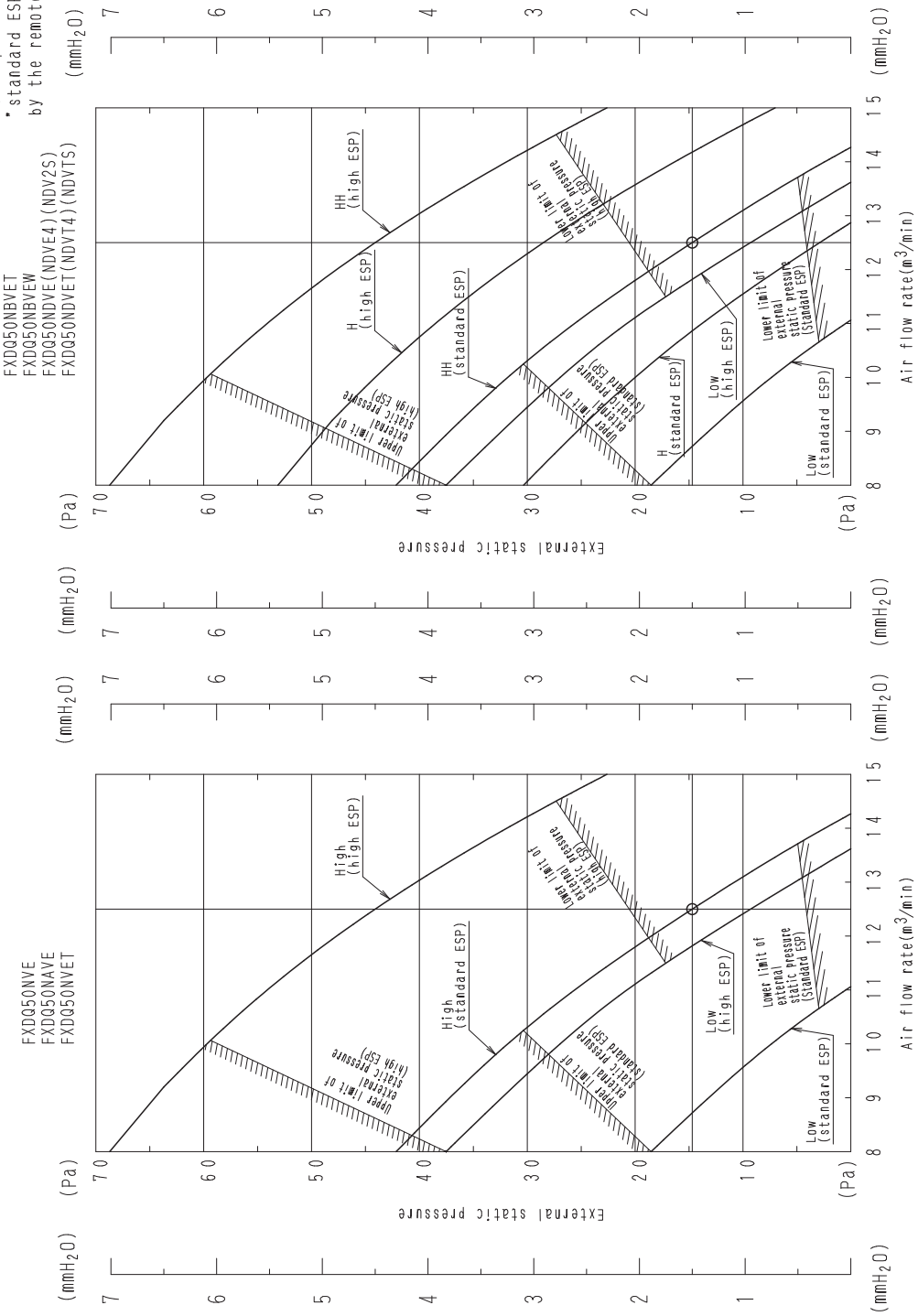


3D046299G

FXDQ50NDVE
FXDQ50NDVET

3D046300G

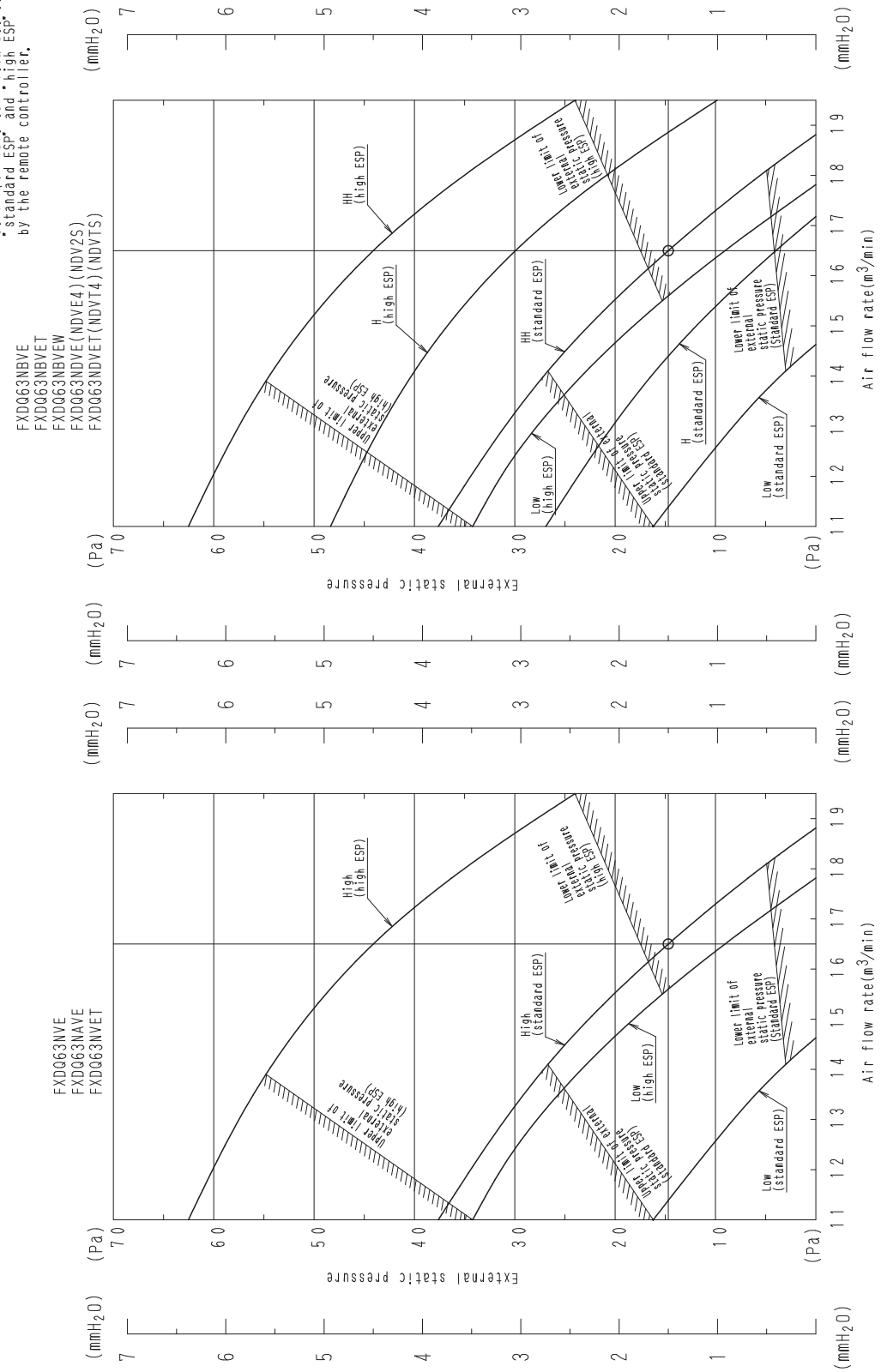
Notes: 1. The remote controller can be used to switch between "high" and "low". ("HH", "H" and "L" for FXDQ~NBVE(T)(W) model)
2. The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by the remote controller.



FXDQ63NDVE
FXDQ63NDVET

3D046301G

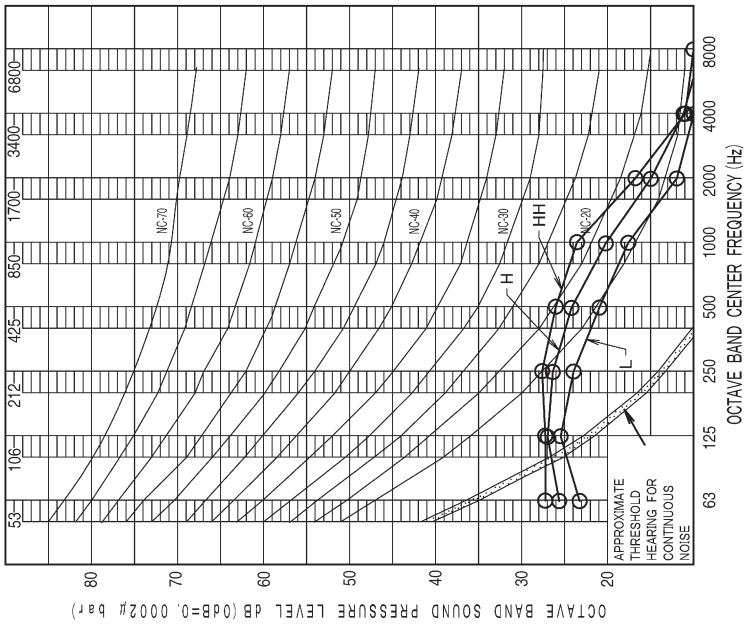
Notes: 1. The remote controller can be used to switch between "high" and "low". ("HH", "H" and "L" for FXDQ~NBVE(T)(W) model)
2. The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by the remote controller.



10.Sound Levels

10.1 FXDQ-PDVE(T)

FXDQ20PDVE
FXDQ20PDVET



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	28.0	26.0	23.0
C	34.0	32.5	30.0

(B. G. N IS ALREADY RECTIFIED)

MEASRUING PLACE

ANECHOIC CHAMBER

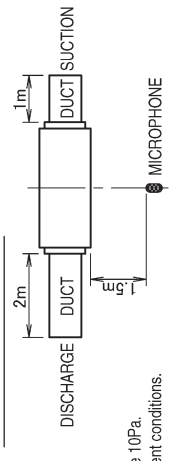
OPERATING CONDITIONS

POWER SOURCE 220-240V 50Hz / 220V 60Hz

COOLING RETURN AIR TEMPERATURE: 27 °CDB, 19 °CWB
OUTDOOR TEMPERATURE: 35 °CDB, 24 °CWB

HEATING RETURN AIR TEMPERATURE: 20 °CDB, 15 °CWB
OUTDOOR TEMPERATURE: 7 °CDB, 6 °CWB

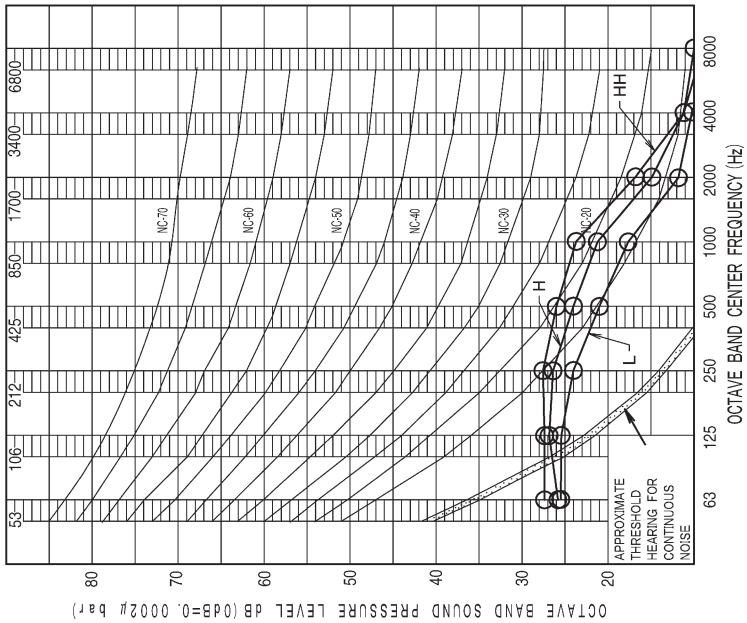
LOCATION OF MICROPHONE



NOTE : The operation codition is external static pressure 10Pa.
Operation noise differs with operation and ambient conditions.

4D112287

FXDQ25PDVE
FXDQ25PDVET



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	28.0	26.0	23.0
C	34.0	32.5	30.0

(B. G. N IS ALREADY RECTIFIED)

MEASRUING PLACE

ANECHOIC CHAMBER

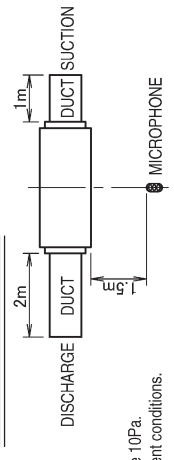
OPERATING CONDITIONS

POWER SOURCE 220-240V 50Hz / 220V 60Hz

COOLING RETURN AIR TEMPERATURE: 27 °CDB, 19 °CWB
OUTDOOR TEMPERATURE: 35 °CDB, 24 °CWB

HEATING RETURN AIR TEMPERATURE: 20 °CDB, 15 °CWB
OUTDOOR TEMPERATURE: 7 °CDB, 6 °CWB

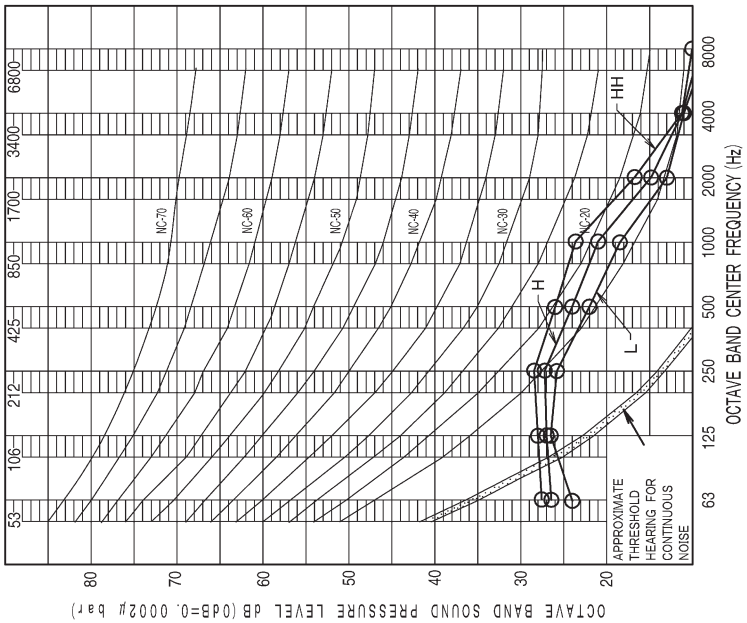
LOCATION OF MICROPHONE



NOTE : The operation codition is external static pressure 10Pa.
Operation noise differs with operation and ambient conditions.

4D112290

FXDQ32PDVE
FXDQ32PDVET



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	28.0	26.0	24.0
C	34.0	32.5	31.0

(B. G. N IS ALREADY RECTIFIED)

MEASRUING PLACE

ANECHOIC CHAMBER

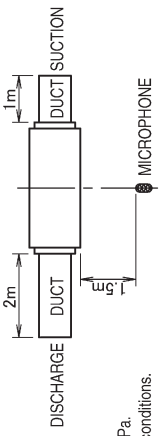
OPERATING CONDITIONS

POWER SOURCE 220-240V 50Hz / 220V 60Hz

COOLING RETURN AIR TEMPERATURE: 27 °CDB, 19 °CWB
OUTDOOR TEMPERATURE: 35 °CDB, 24 °CWB

HEATING RETURN AIR TEMPERATURE: 20 °CDB, 15 °CWB
OUTDOOR TEMPERATURE: 7 °CDB, 6 °CWB

LOCATION OF MICROPHONE

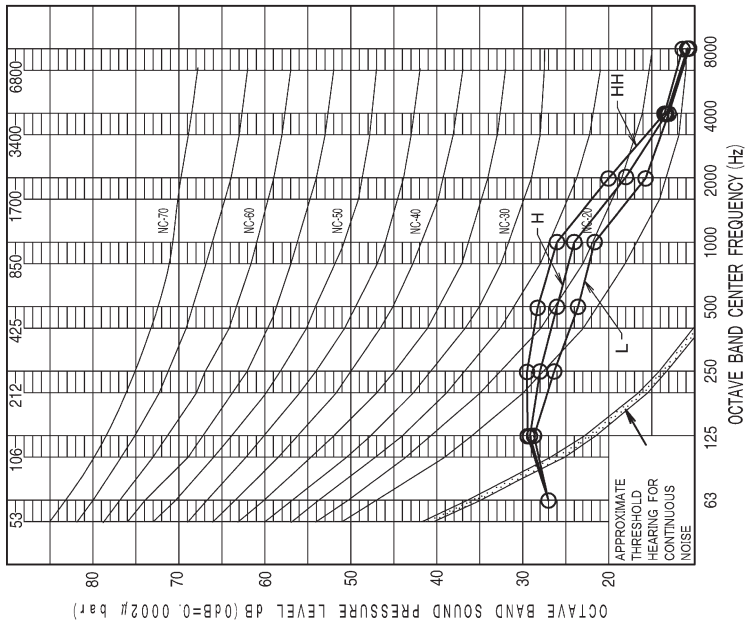


NOTE : The operation codition is external static pressure 10Pa.
Operation noise differs with operation and ambient conditions.

4D112291

10.2 FXDQ-NDVE(T)

FXDQ40NDVE
FXDQ40NDVET



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	30.0	28.0	26.0
C	35.0	34.0	33.0

(B. G. N IS ALREADY RECTIFIED)

MEASRUING PLACE

ANECHOIC CHAMBER

NOTE : The operation codition is external static pressure 10Pa.
Operation noise differs with operation and ambient conditions.

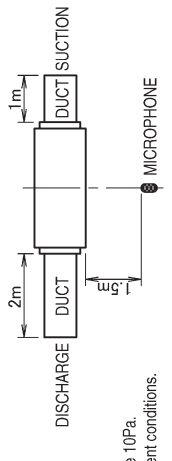
OPERATING CONDITIONS

POWER SOURCE 220-240V 50Hz / 220V 60Hz

COOLING RETURN AIR TEMPERATURE: 27 °CDB, 19 °CWB
OUTDOOR TEMPERATURE: 35 °CDB, 24 °CWB

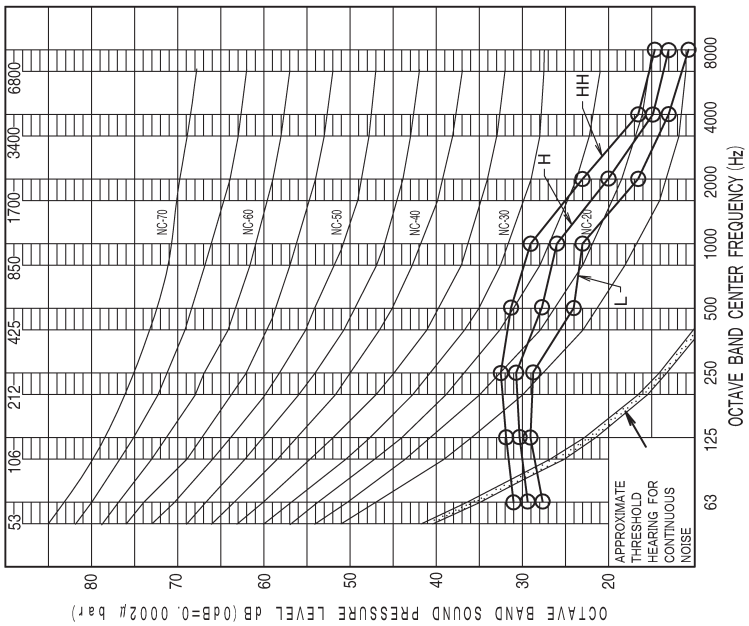
HEATING RETURN AIR TEMPERATURE: 20 °CDB, 15 °CWB
OUTDOOR TEMPERATURE: 7 °CDB, 6 °CWB

LOCATION OF MICROPHONE



4D112292

FXDQ50NDVE
FXDQ50NDVET



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	33.0	30.0	27.0
C	38.0	36.0	34.0

(B. G. N IS ALREADY RECTIFIED)

MEASRUING PLACE

ANECHOIC CHAMBER

NOTE : The operation codition is external static pressure 10Pa.
Operation noise differs with operation and ambient conditions.

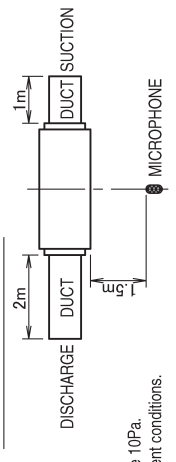
OPERATING CONDITIONS

POWER SOURCE 220-240V 50Hz / 220V 60Hz

COOLING RETURN AIR TEMPERATURE: 27 °CDB, 19 °CWB
OUTDOOR TEMPERATURE: 35 °CDB, 24 °CWB

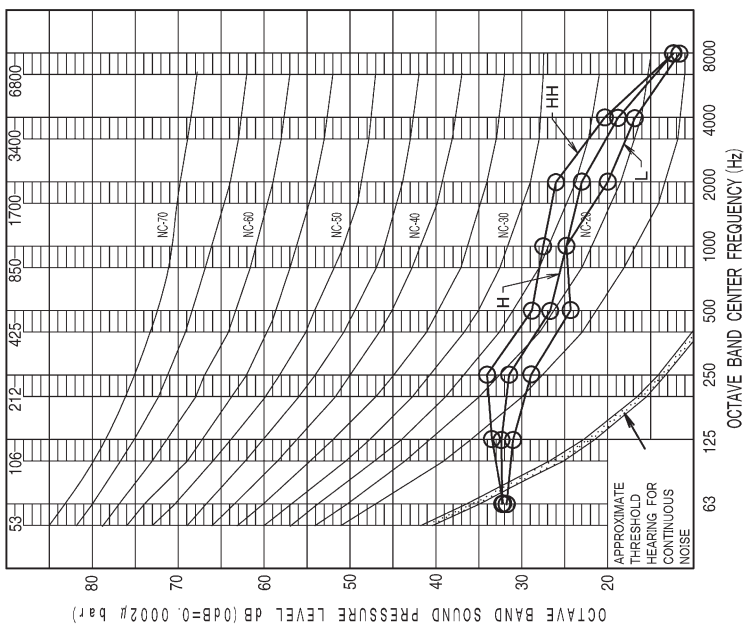
HEATING RETURN AIR TEMPERATURE: 20 °CDB, 15 °CWB
OUTDOOR TEMPERATURE: 7 °CDB, 6 °CWB

LOCATION OF MICROPHONE



4D112294

FXDQ63NDVE
FXDQ63NDVET



OVER ALL (dB)

SCALE	AIR FLOW RATE		
	HH	H	L
A	33.0	31.0	29.0
C	39.0	37.5	36.0

(B. G. N IS ALREADY RECTIFIED)

MEASRUING PLACE

ANECHOIC CHAMBER

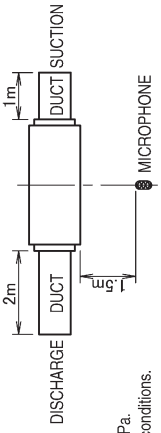
OPERATING CONDITIONS

POWER SOURCE 220-240V 50Hz / 220V 60Hz

COOLING RETURN AIR TEMPERATURE: 27 °CDB, 19 °CWB
OUTDOOR TEMPERATURE: 35 °CDB, 24 °CWB

HEATING RETURN AIR TEMPERATURE: 20 °CDB, 15 °CWB
OUTDOOR TEMPERATURE: 7 °CDB, 6 °CWB

LOCATION OF MICROPHONE



NOTE : The operation codition is external static pressure 10Pa.
Operation noise differs with operation and ambient conditions.

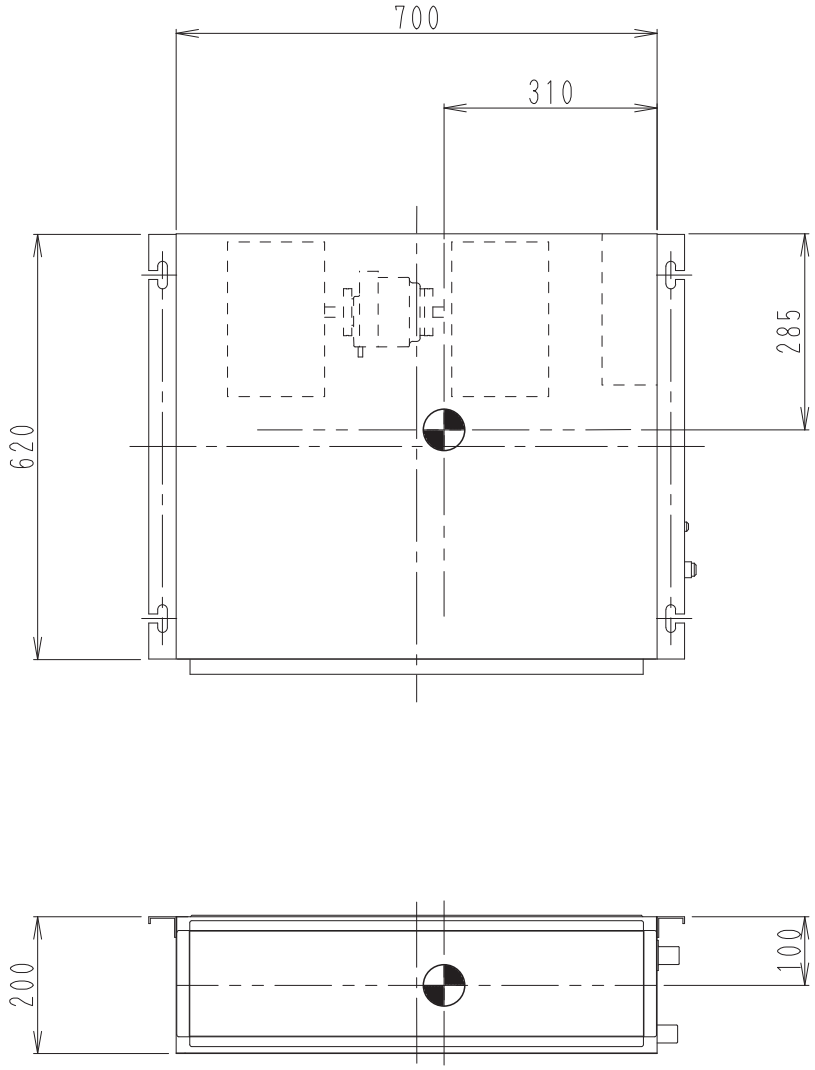
4D112295

11.Centre of Gravity

11.1 FXDQ-PDVE(T)

FXDQ20PDVE / FXDQ25PDVE / FXDQ32PDVE
FXDQ20PDVET / FXDQ25PDVET / FXDQ32PDVET

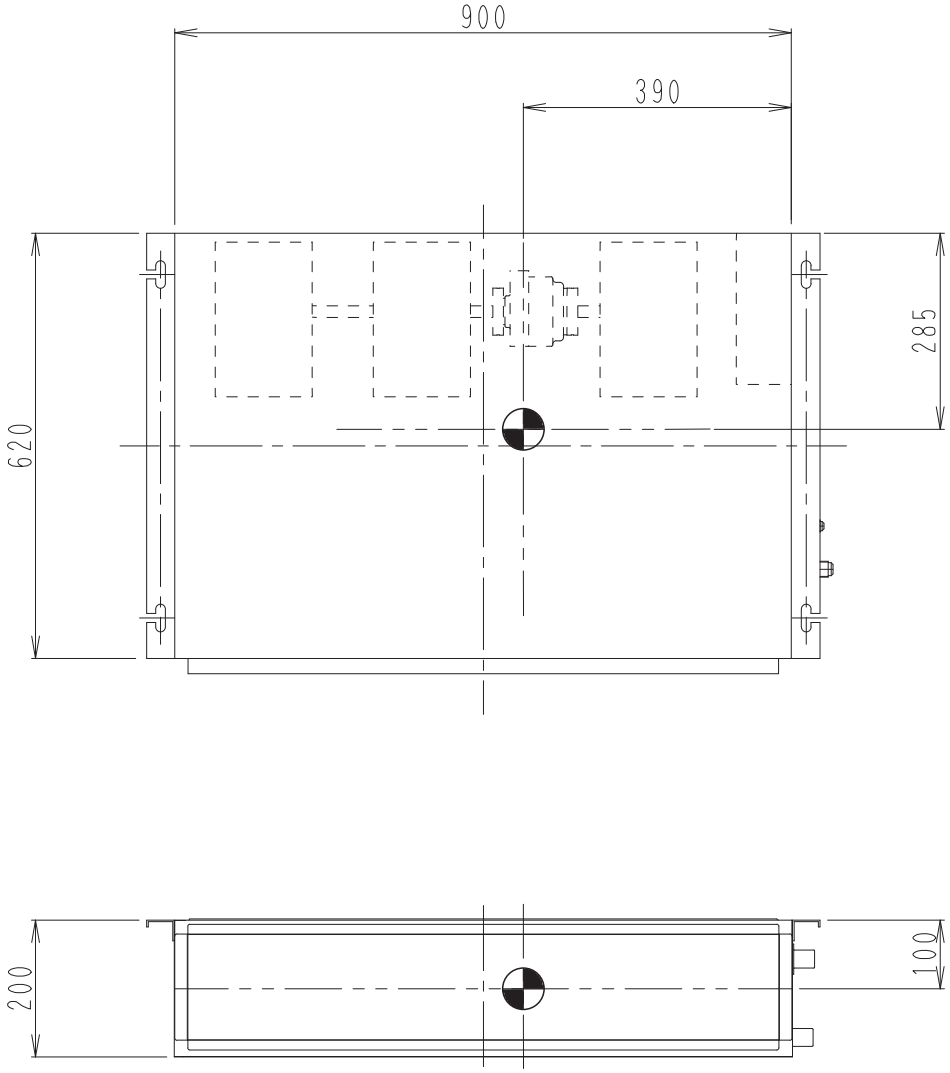
Unit: mm



11.2 FXDQ-NDVE(T)

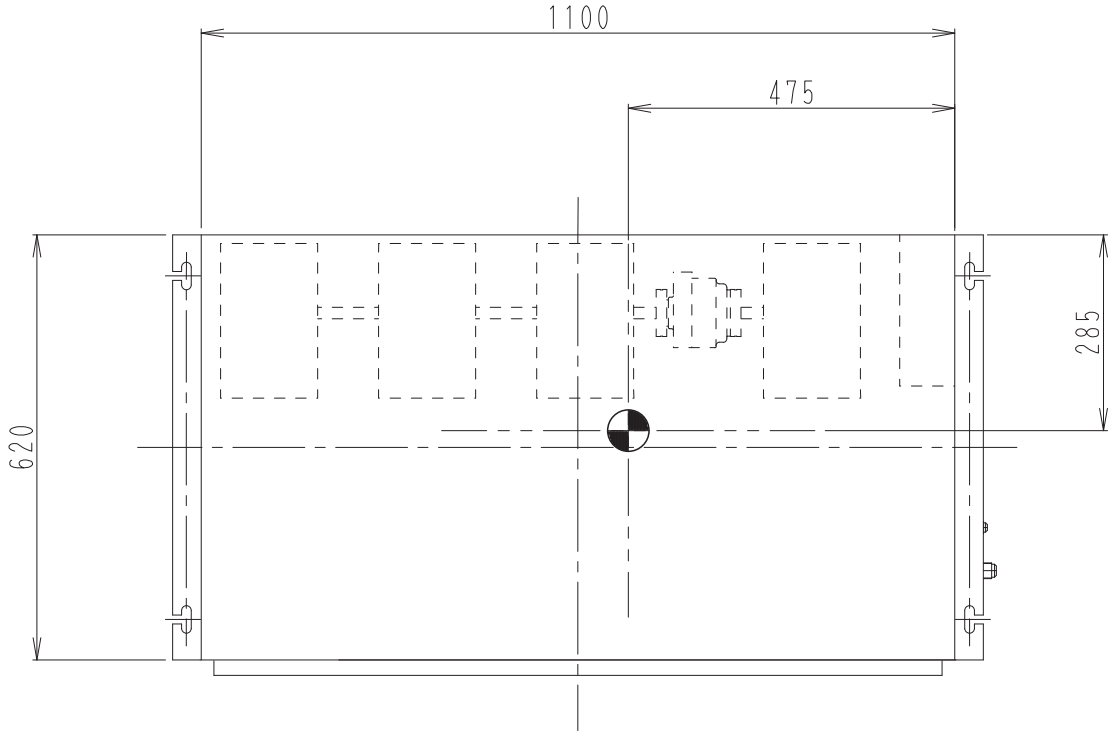
FXDQ40NDVE / FXDQ50NDVE
FXDQ40NDVET / FXDQ50NDVET

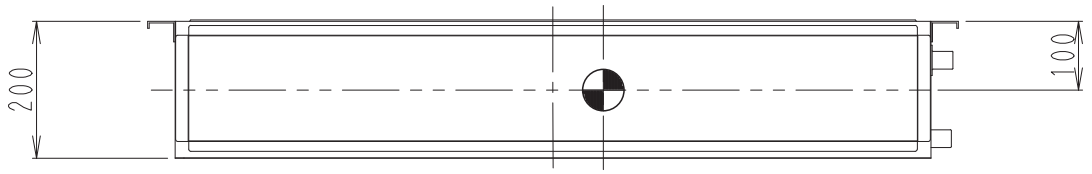
Unit: mm



FXDQ63NDVE
FXDQ63NDVET

Unit: mm





4D043887Q