

AIR COOLED PACKAGED AIR CONDITIONERS

**FLOOR STANDING TYPE
DUCT TYPE**

COOLING ONLY 50Hz

R-410A



DUCT TYPE



DIRECT AIR BLOW TYPE



DUCT CONNECTION TYPE

FLOOR STANDING TYPE

Suitable for
factories










HFC R-410A Line Up for Factories and Offices

We have entered an era in which being recognized as an environmentally responsible corporate citizen has taken utmost importance.


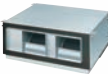

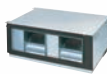




Even when selecting air conditioners, a new model featuring HFC R-410A refrigerant could be the perfect step in promoting your corporate image.

Product Line Up **R-410A** **NEW**

FLOOR STANDING TYPE **Cooling only**

		HP	5	6	8	10
Capacity ^{1,2}	kW		14.7	17.6	23.5	29.3
	Btu/h		50,000	60,000	80,000	100,000
	kcal/h		12,600	15,100	20,200	25,200
FLOOR STANDING TYPE DIRECT AIR BLOW TYPE Specifications Page 5 Dimensions Page 11	Indoor unit		 FVGR05NV1	 FVGR06NV1	 FVGR08NV1	 FVGR10NV1
	Outdoor unit		RUR05NY1	RUR06NY1	RUR08NY1	RUR10NY1
FLOOR STANDING TYPE DUCT CONNECTION TYPE Specifications Page 5 Dimensions Page 12	Indoor unit					 FVPGR10NY1
	Outdoor unit					RUR10NY1
OUTDOOR UNIT Dimensions Page 15,16						

DUCT TYPE **Cooling only**

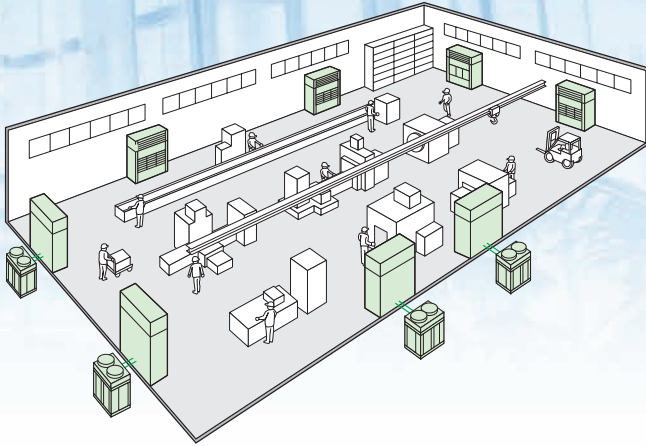
		HP	5	6	8	10
Capacity ^{1,2}	kW		14.7	17.6	23.5	29.3
	Btu/h		50,000	60,000	80,000	100,000
	kcal/h		12,600	15,100	20,200	25,200
DUCT TYPE Specifications Page 6 Dimensions Page 13,14	Indoor unit		 FDR05NY1	 FDR06NY1	 FDR08NY1	 FDR10NY1
	Outdoor unit		RUR05NY1	RUR06NY1	RUR08NY1	RUR10NY1
OUTDOOR UNIT Dimensions Page 15,16						

Note : ¹Rated cooling capacities are based on the following conditions: Return air temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equip. refrigeration piping, 5 m (horizontal).
²Capacity includes indoor fan motor heat.

DIRECT AIR BLOW TYPE

Direct air blow from indoor unit with plenum

- Comfortable factory air conditioning using multiple indoor units installed in accordance with the space.
- Installation is next to walls, so units will not affect the factory layout even if the changes are made.



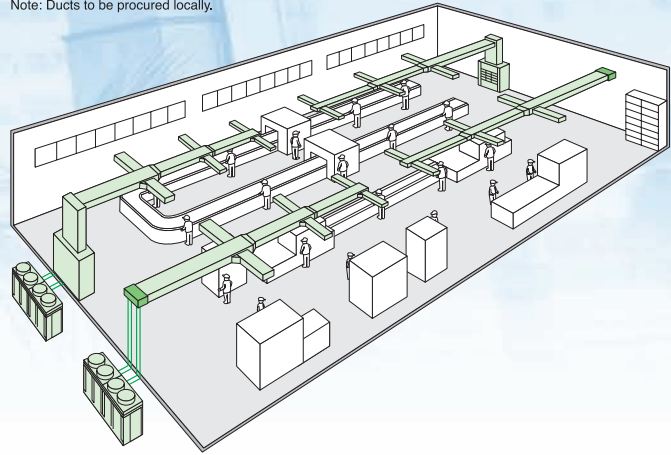
DUCT CONNECTION TYPE

DUCT TYPE









Air blow via connected ducts

- Comfortable air conditioning of the entire factory by connecting a blow duct at the top of the indoor unit.

Note: Ducts to be procured locally.











50Hz

	13	15	18	20
	35.2	46.9	52.8	58.6
	120,000	160,000	180,000	200,000
	30,200	40,300	45,400	50,400
				
	FVPGR13NY1 RUR13NY1	FVPGR15NY1 RUR15NY1	FVPGR18NY1 RUR18NY1	FVPGR20NY1 RUR20NY1
				

Nice,
cool air in the factory
or in the cafeteria



50Hz

	13	15	18	20
	35.2	46.9	52.8	58.6
	120,000	160,000	180,000	200,000
	30,200	40,300	45,400	50,400
				
	FDR13NY1 RUR13NY1	FDR15NY1 RUR15NY1	FDR18NY1 RUR18NY1	FDR20NY1 RUR20NY1
				



Flexible design

FLOOR STANDING TYPE

DIRECT AIR BLOW TYPE



FVGR10NV1



RUR10NY1

DUCT CONNECTION TYPE

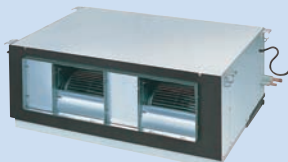


FVPGR10NY1



RUR10NY1

DUCT TYPE



FDR10NY1



RUR10NY1

Enhanced varieties of factory modification and optional accessories

- Standard model
- Factory modification
- Contact sales for more information

	Floor Standing Type		Duct Type
	Direct Air Blow	Duct Connection Type	
Auto restart	□	□	○
Modify wiring for central control adapter kit (DAT107A55) installation	□	□	○
Change fan motor and pulley	-	□	-
Discharge grill plenum chamber	○	□	-
Side discharge grill discharge plenum chamber	□	□	-
Lower drain pan	-	○	-
Front suction high efficiency filter chamber	-	□	-
Front suction base flange for front suction high efficiency filter chamber	-	□	-
Suction grill for front suction high efficiency filter chamber	-	□	-
Fresh air inlet	□	□	-
Rear suction	□	□	-
Drain pump	□	□	-
Remote sensor (Thermistor for suction air)	□	□	-
All fresh air application	■	■	■
Low outdoor temp. 15°C application and long pipe 70m application	■	■	■
Central control adaptor kit (external terminal for ON/OFF, abnormal) ¹	DAT107A55		
LCD remote controller ²	BRC1C62		
Intelligent Touch Controller ²	DCS601C51		
Central remote controller ²	DCS302CA61		
Unified ON/OFF controller ³	DCS301B61		
Schedule timer ³	DST301BA61		
Remote sensor (thermistor for suction air) ³	KRCS01-1		
Remote controller	-		BRC1NU64

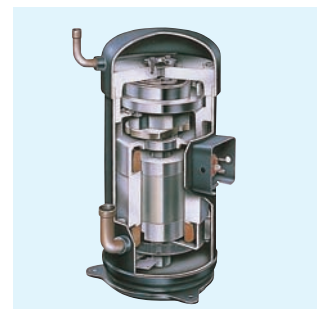
Note:
¹Wiring modification is needed on floor stand model to connect with central control ADP kit.
²Need to use central control adapter kit for option connection.
³Central control adapter kit and LCD remote controller is necessary for option connection.

Quiet Operation

Equipped with scroll compressor for quiet operation

Smooth running, low vibration, low operating sound.

Outdoor unit	Sound level	
	380V	415V
RUR05NY1	59 dB	60 dB
RUR06NY1	59 dB	60 dB



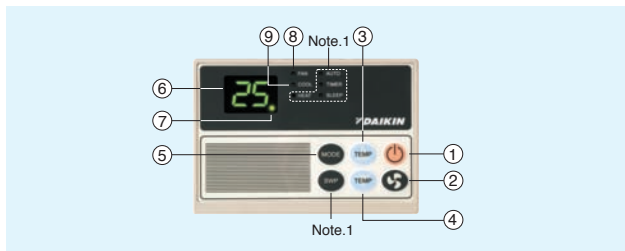
and great reliability.

Easy operation

Digital remote control comes standard with indoor unit.

Temperature setting is possible by button operation. The set temperature is conveniently displayed on the LED.

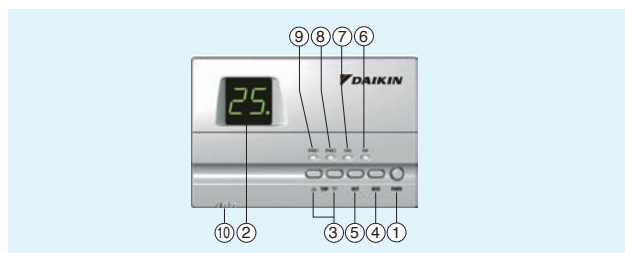
Floor standing type (Standard accessory)



- ① On/Off button
- ② Fan button
- ③ Temp. setting up
- ④ Temp. setting down
- ⑤ Mode button
- ⑥ LED display
- ⑦ Compressor operation lamp.
- ⑧ Fan operation lamp.
- ⑨ Cool operation lamp.

Note.1 It cannot be used for FVPGR10-20NY1

Duct type (optional accessory)

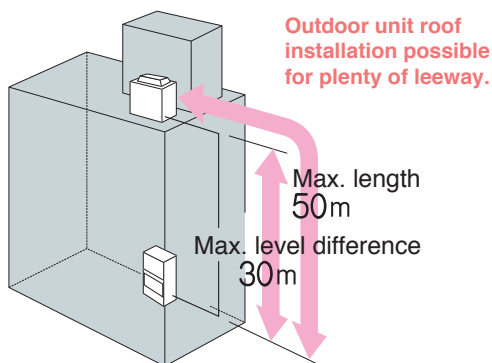


- ① Power
- ② Temperature scale
- ③ Temperature setting
- ④ Mode setting
- ⑤ Next setting
- ⑥ Fan indicator lamp
- ⑦ Cool indicator lamp
- ⑧ Compressor 2 indicator lamp
- ⑨ Compressor 1 indicator lamp
- ⑩ Temperature sensor

Design flexibility

Designed for long refrigerant piping.

50 m maximum length and 30 m maximum level difference to cover medium- and large-scale building needs.



Refrigerant pre charged for up to 7.5 metres

■ Allowable refrigerant pipe length and level difference

	Pre-charged ¹	Max. length	Max. level difference
RUR05NY1-20NY1	7.5 m	50 m (Equivalent length 70 m)	30 m

Note: ¹Additional refrigerant charging is required if the refrigerant pipe is longer than the indicated length.

4-direction piping affords more freedom of layout

(Applies to RUR05N/06N)

Piping can be run from the front, bottom, right or rear surface according to how the unit is installed.

In case of RUR08-20N, piping can be drawn out in two directions-front, and under side.

Durability

Heat exchange fins provided with anti-corrosion treatment

(Applies to all outdoor units)

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.

Space savings

Installation space is saved thanks to a more compact outdoor unit. This also makes it easier to install.



SPECIFICATIONS

■ FLOOR STANDING TYPE DIRECT AIR BLOW TYPE

Model Name	Indoor unit		5HP	6HP	8HP	10HP	
	Outdoor unit		FVGR05NV1 RUR05NY1	FVGR06NV1 RUR06NY1	FVGR08NV1 RUR08NY1	FVGR10NV1 RUR10NY1	
Power supply			380-415 V, 50 Hz, 3 Phase, 4 Wires				
Cooling capacity ^{1,3}	kW		14.7	17.6	23.5	29.3	
	Btu/h		50,000	60,000	80,000	100,000	
	kcal/h		12,600	15,100	20,200	25,200	
Power consumption ¹	kW		5.5	6.4	8.6	11.2	
Running current	A		9.0	10.4	14.4	18.9	
Starting current	A		72.7	80.9	118.2	135.0	
Power factor	%		88.2	88.8	85.9	85.5	
Indoor unit	Colour	Ivory White					
	Air flow rate (H)	m ³ /min	42	42	54	80	
		cfm	1,480	1,480	1,910	2,830	
	Fan Drive	Direct Drive 3 Speed					
	Sound level (H/M/L) ²	dB(A)	59/54/50	59/54/50	60/56/51	61/57/52	
	Dimensions (HxWxD)	mm	1,870x750x510	1,870x750x510	1,870x950x510	1,870x1,170x510	
	Machine weight	kg	90	90	107	143	
Operation range	°CWB	14 to 25					
Outdoor unit	Colour	Ivory white					
	Compressor	Type	Hermetically sealed scroll type				
		Motor output kW	4.5	4.5	6.7	9.0	
	Refrigerant oil	Model	DAPHNE FVC68D		POLYOL ESTER		
		Charge L	1.4	1.8	3.3		
	Refrigerant charge (R-410A)	kg	2.5 (Charged for 7.5 m)	3.5 (Charged for 7.5 m)	4.5 (Charged for 7.5 m)	6.0 (Charged for 7.5 m)	
	Sound level ²	380V dBA	59	59	60	61	
		415V dBA	60	60	61	62	
	Dimensions (HxWxD)	mm	1,345x900x320		1,680x930x765		
	Machine weight	kg	92	105	203	206	
Operation range	°CDB	21 to 46					
Refrigerant Piping	Indoor unit	Liquid mm	φ9.5 (Brazeing)		φ12.7 (Brazeing)		
		Gas mm	φ19.1 (Brazeing)		φ22.2 (Brazeing)		
		Drain mm	PS 1B Internal thread				
	Outdoor unit	Liquid mm	φ9.5 (Flare)		φ12.7 (Flare)		
		Gas mm	φ19.1 (Flare)		φ22.2 (Brazeing)		
		Drain mm	φ26.0 (Hole)		φ28.6 (Brazeing)		
Max. interunit piping length	m	50 (equivalent length 70 m)					
Max. installation level difference	m	30					

■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

Model Name	Indoor unit		10HP	13HP	15HP	18HP	20HP
	Outdoor unit		FVPGR10NY1 RUR10NY1	FVPGR13NY1 RUR13NY1	FVPGR15NY1 RUR15NY1	FVPGR18NY1 RUR18NY1	FVPGR20NY1 RUR20NY1
Power supply			380-415 V, 50 Hz, 3 Phase, 4 Wires				
Cooling capacity ^{1,3}	kW		29.3	35.2	46.9	52.8	58.6
	Btu/h		100,000	120,000	160,000	180,000	200,000
	kcal/h		25,200	30,200	40,300	45,400	50,400
Running current	A		19.2	24.3	29.0	34.6	40.4
Power consumption ¹	kW		11.4	14.9	17.8	21.2	24.8
Starting current	%		85.7	88.5	88.6	88.4	88.6
Power factor	A		129.5	118.0	130.3	143.4	146.3
Indoor unit	Colour	Ivory White					
	Air flow rate (H)	m ³ /min	80	120	162		
		cfm	2,830	4,240	5,720		
	Fan Drive	Belt Drive					
	Ext. Static Pressure	Pa(mmH ₂ O)	15				
	Sound level ²	dB(A)	61	62	62	63	63
	Dimensions (HxWxD)	mm	1,740x1,170x510	1,870x1,170x720		1,870x1,470x720	
Machine weight	kg	150	180		240		
Operation range	°CWB	14 to 25					
Outdoor unit	Colour	Ivory white					
	Compressor	Type	Hermetically sealed scroll type				
		Motor output kW	9.0	5.0+5.0	6.7+6.7	7.5+7.5	9.0+9.0
	Refrigerant oil	Model	POLYOL ESTER				
		Charge L	3.3	5.0	6.5		
	Refrigerant charge (R-410A)	kg	6.0 (Charged for 7.5 m)	4.5 (Charged for 7.5 m)	8.0 (Charged for 7.5 m)		
	Sound level ²	380V dBA	61	61	62	63	63
		415V dBA	62	62	63	64	64
	Dimensions (HxWxD)	mm	1,680x930x765	1,680x1,240x765			
	Machine weight	kg	206	243	319	322	329
Operation range	°CDB	21 to 46					
Refrigerant Piping	Indoor unit	Liquid mm	φ12.7 (Brazeing)		φ15.9 (Brazeing)		
		Gas mm	φ28.6 (Brazeing)		φ34.9 (Brazeing)		
		Drain mm	PS 1B Internal thread				
	Outdoor unit	Liquid mm	φ12.7 (Flare)		φ15.9 (Flare)		
		Gas mm	φ28.6 (Brazeing)		φ34.9 (Brazeing)		
		Drain mm	—				
Max. interunit piping length	m	50 (equivalent length 70 m)					
Max. installation level difference	m	30					

Note : ¹Rated cooling capacities are based on the following conditions : Return air temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
²Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
³Capacity includes indoor fan motor heat.

DUCT TYPE

Model Name	Indoor unit		5HP	6HP	8HP	10HP	
	Outdoor unit		FDR05NY1 RUR05NY1	FDR06NY1 RUR06NY1	FDR08NY1 RUR08NY1	FDR10NY1 RUR10NY1	
Power supply	380-415 V, 50 Hz, 3 Phase, 4 Wires						
Cooling capacity ^{1,3}	kW		14.7	17.6	23.5	29.3	
	Btu/h		50,000	60,000	80,000	100,000	
	kcal/h		12,600	15,100	20,200	25,200	
Power consumption ¹	kW		5.6	6.5	9.0	11.4	
Running current	A		9.2	10.6	15.2	19.2	
Starting current	%		87.9	88.5	85.6	85.7	
Power factor	A		70.0	78.2	115.5	129.5	
Indoor unit	Colour		Galvanize steel				
	Airflow rate (H)	m ³ /min	46	54	68	78	
		cfm	1,620	1,910	2,400	2,750	
	Fan	External static pressure	9		10		
		Driving system	Belt drive				
	Sound level (H) ²	dB(A)	49	51		53	
	Dimensions (HxWxD)	mm	450x900x850	450x1,130x850	500x1,130x850	500x1,330x850	
	Machine weight	kg	72	79	93	104	
Operation range	°CWB	14 to 25					
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	4.5	4.5	6.7	9.0
	Refrigerant charge (R-410A)	kg	2.5 (Charged for 7.5 m)	3.5 (Charged for 7.5 m)	4.5 (Charged for 7.5 m)	6.0 (Charged for 7.5 m)	
	Refrigerant oil	Model	DAPHNE FVC68D		POLYOL ESTER		
		Charge	L	1.4	1.8	3.3	3.3
	Sound level ²	380V	dBA	59	59	60	61
		415V	dBA	60	60	61	62
	Dimensions (HxWxD)	mm	1,345x900x320		1,680x930x765		
	Machine weight	kg	92	105	203	206	
Operation range	°CDB	21 to 46					
Piping connections	Indoor unit	Liquid	mm	ø9.5(Brazing)		ø12.7(Brazing)	
		Gas	mm	ø19.1(Brazing)		ø22.2(Brazing)	
		Drain	mm	PS 1B Internal thread			
	Outdoor unit	Liquid	mm	ø9.5(Flare)		ø12.7(Flare)	
		Gas	mm	ø19.1(Flare)		ø22.2(Brazing)	
		Drain	mm	ø26.0 (Hole)		ø28.6(Brazing)	
Max. interunit piping length	m	50 (equivalent length 70 m)					
Max. installation level difference	m	30					

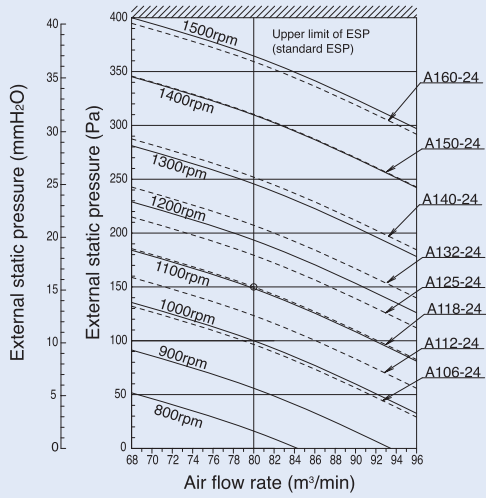
Model Name	Indoor unit		13HP	15HP	18HP	20HP	
	Outdoor unit		FDR13NY1 RUR13NY1	FDR15NY1 RUR15NY1	FDR18NY1 RUR18NY1	FDR20NY1 RUR20NY1	
Power supply	380-415 V, 50 Hz, 3 Phase, 4 Wires						
Cooling capacity ^{1,3}	kW		35.2	46.9	52.8	58.6	
	Btu/h		120,000	160,000	180,000	200,000	
	kcal/h		30,200	40,300	45,400	50,400	
Power consumption ¹	kW		15.0	17.9	21.5	25.1	
Running current	A		24.5	29.2	35.1	40.9	
Starting current	%		88.4	88.5	88.4	88.6	
Power factor	A		118.0	130.3	143.4	146.3	
Indoor unit	Colour		Galvanize steel				
	Airflow rate (H)	m ³ /min	136		166		
		cfm	4,800		5,860		
	Fan	External static pressure	15				
		Driving system	Belt drive				
	Sound level (H) ²	dB(A)	58		60		
	Dimensions (HxWxD)	mm	625x1,620x850		625x1,980x850		
	Machine weight	kg	161		187		
Operation range	°CWB	14 to 25					
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	5.0+5.0	6.7+6.7	7.5+7.5	9.0+9.0
	Refrigerant charge (R-410A)	kg	4.5 (Charged for 7.5 m)	8.0 (Charged for 7.5 m)			
	Refrigerant oil	Model	POLYOL ESTER				
		Charge	L	5.0	6.5	6.5	6.5
	Sound level ²	380V	dBA	61	62	63	63
		415V	dBA	62	63	64	64
	Dimensions (HxWxD)	mm	1,680x1,240x765				
	Machine weight	kg	243	319	322	329	
Operation range	°CDB	21 to 46					
Piping connections	Indoor unit	Liquid	mm	ø12.7(Brazing)		ø15.9(Brazing)	
		Gas	mm	ø28.6(Brazing)		ø34.9(Brazing)	
		Drain	mm	PS 1B Internal thread			
	Outdoor unit	Liquid	mm	ø12.7(Flare)		ø15.9(Flare)	
		Gas	mm	ø28.6(Brazing)		ø34.9(Brazing)	
		Drain	mm	——			
Max. interunit piping length	m	50 (equivalent length 70 m)					
Max. installation level difference	m	30					

Note : ¹Rated cooling capacities are based on the following conditions : Suction temp., 27°CDB, 19.5°CWB ; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
²Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
³Capacity includes indoor fan motor heat.

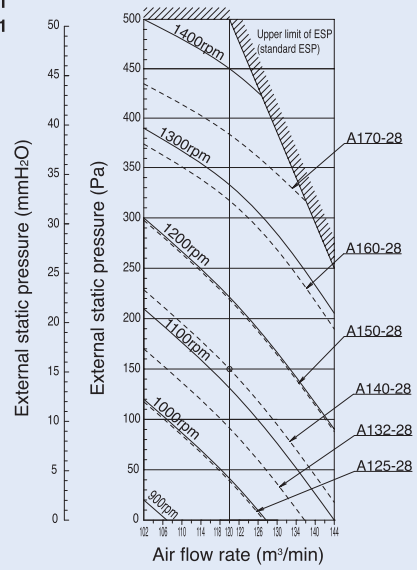
Fan Performance

■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

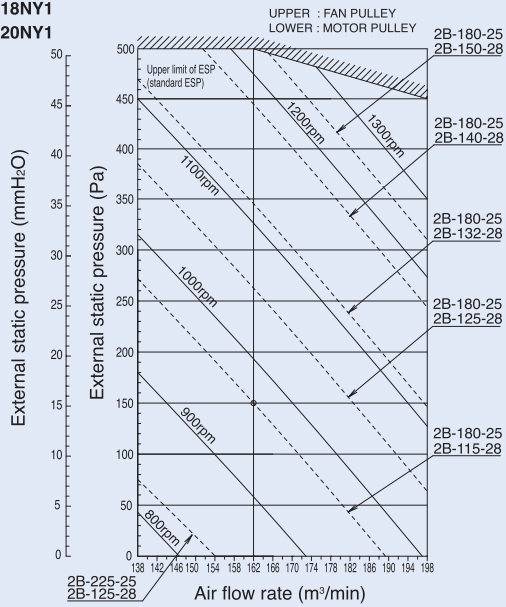
FVPGR10NY1



FVPGR13NY1
FVPGR15NY1

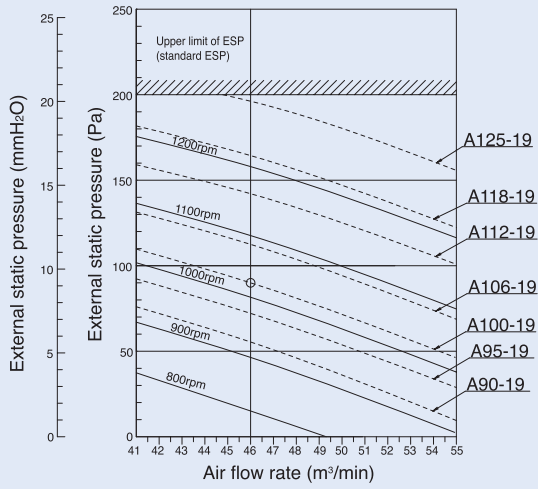


FVPGR18NY1
FVPGR20NY1

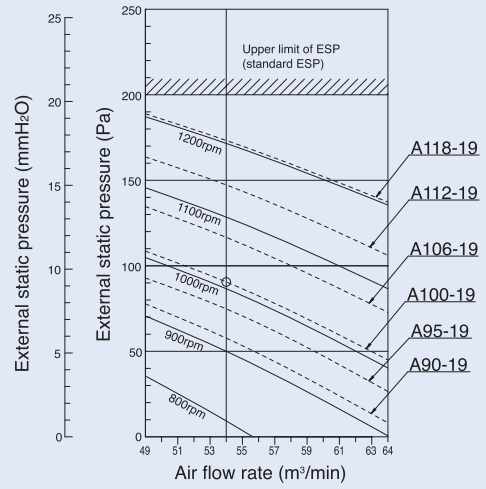


DUCT TYPE

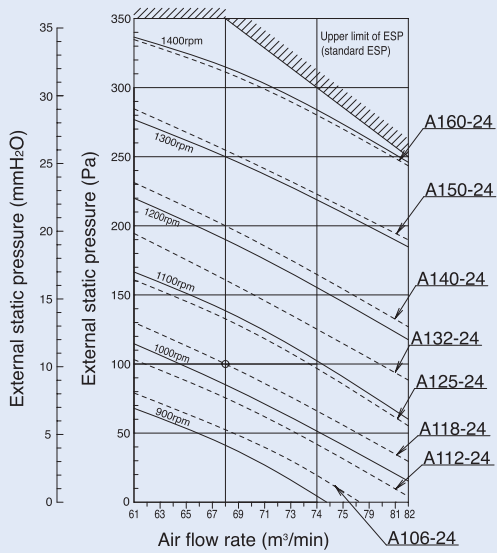
FDR05NY1



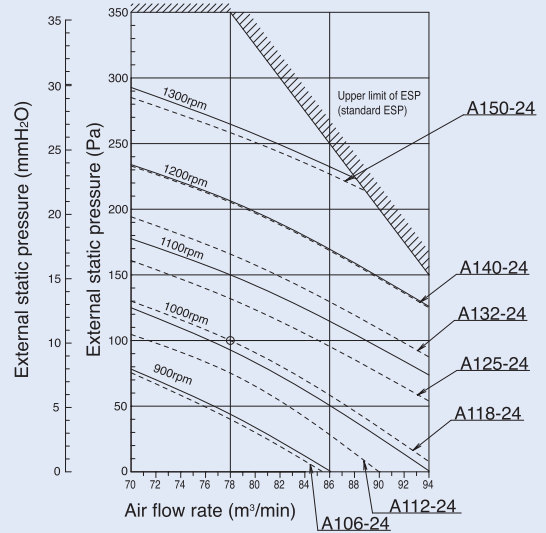
FDR06NY1



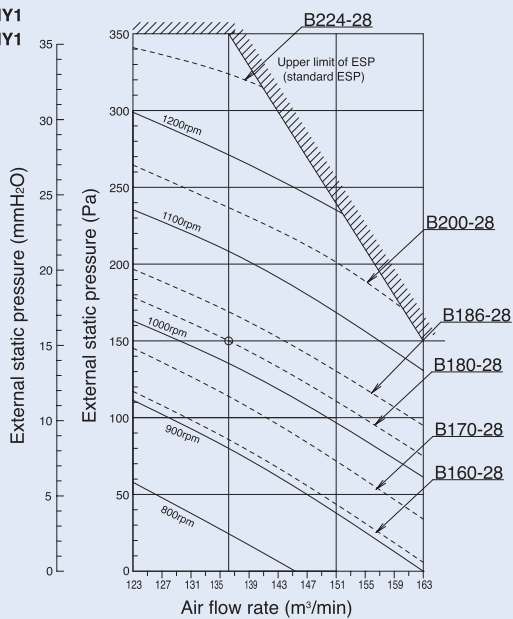
FDR08NY1



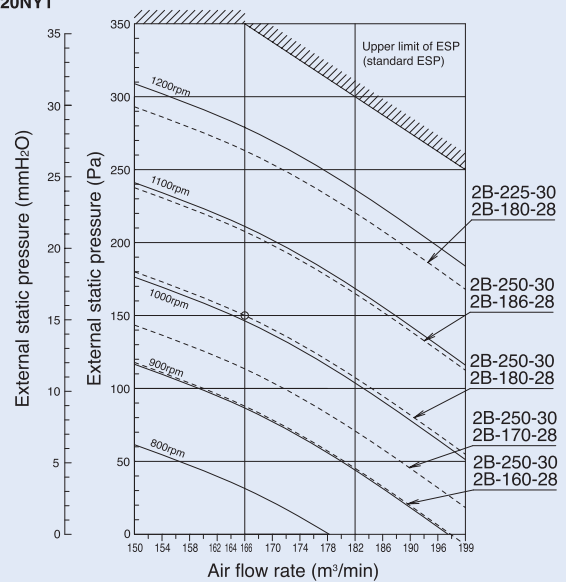
FDR10NY1



**FDR13NY1
FDR15NY1**



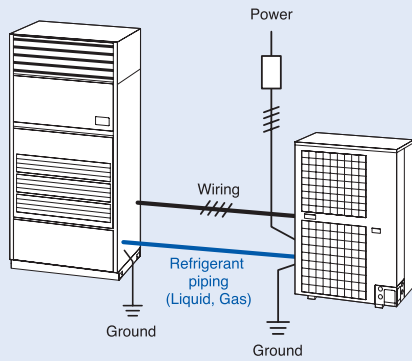
**FDR18NY1
FDR20NY1**



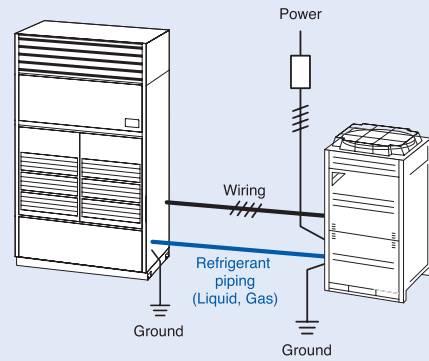
Wiring and Piping

■ FLOOR STANDING TYPE DIRECT AIR BLOW TYPE

FVGR05N/06N
RUR05N/06N

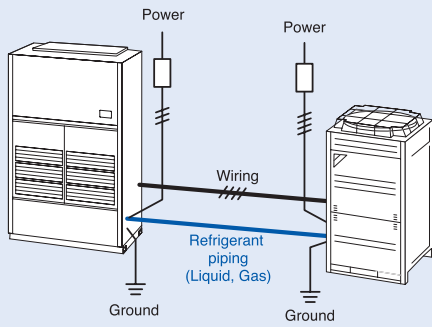


FVGR08N/10N
RUR08N/10N

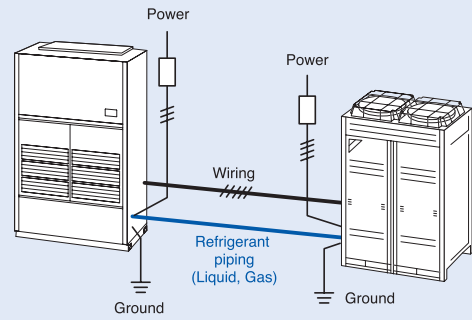


■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

FVPR10N
RUR10N

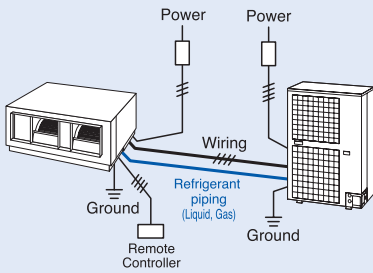


FVPR13N/15N/18N/20N
RUR13N/15N/18N/20N

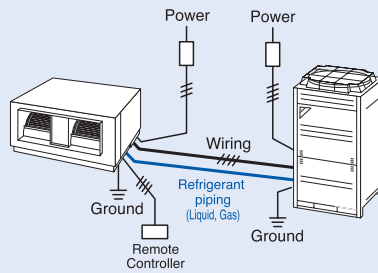


DUCT TYPE

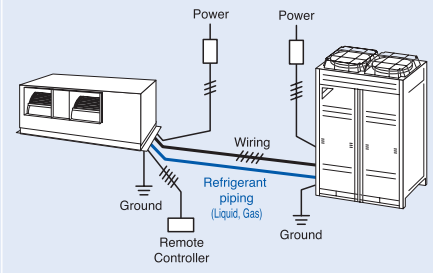
FDR05N/06N
RUR05N/06N



FDR08N/10N
RUR08N/10N



FDR13N/15N/18N/20N
RUR13N/15N/18N/20N



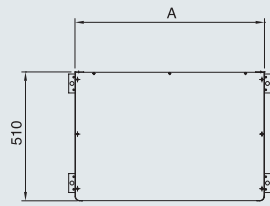
FLOOR STANDING TYPE

DIRECT AIR BLOW TYPE

FVGR05NV1

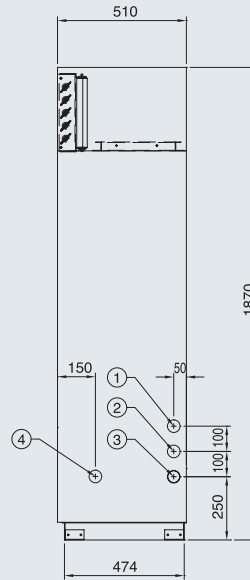
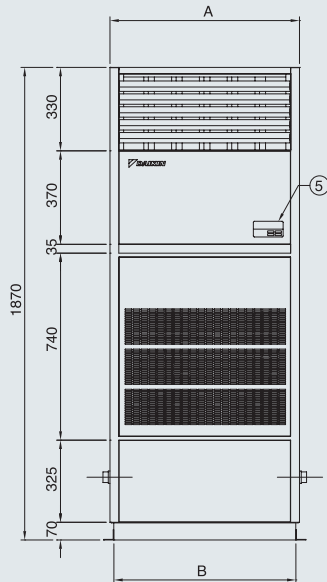
FVGR06NV1

FVGR08NV1



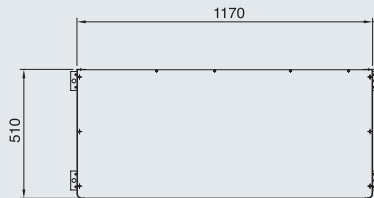
	A	B	C	D
FVGR05NV1	750	720	φ 9.5	φ 19.1
FVGR06NV1	750	720	φ 9.5	φ 19.1
FVGR08NV1	950	920	φ 12.7	φ 22.2

- ① Liquid pipe conn. (C) C1220T brazing
- ② Gas pipe conn. (D) C1220T brazing
- ③ Upper drain outlet (PS 1B Internal thread)
- ④ Power supply & control wire intake
- ⑤ Digital remote controller

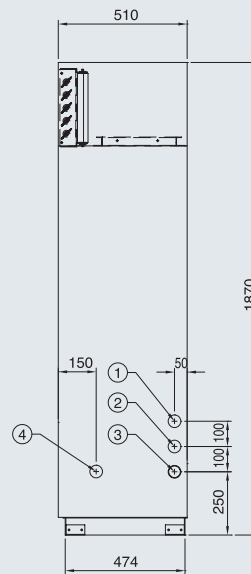
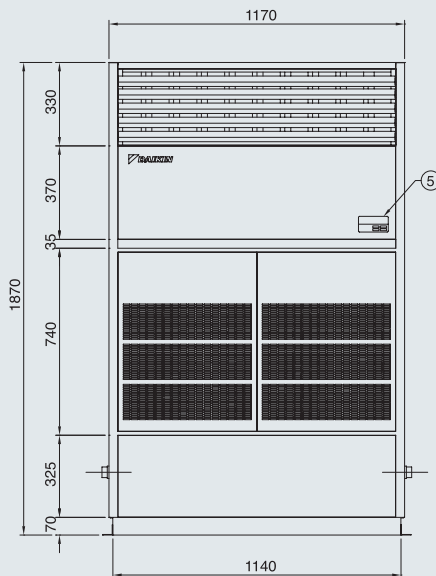


SDR3150151
SDR3150152
SDR3150153

FVGR10NV1



- ① Liquid pipe conn. (φ 12.7) C1220T brazing
- ② Gas pipe conn. (φ 28.6) C1220T brazing
- ③ Upper drain outlet (PS 1B Internal thread)
- ④ Power supply & control wire intake
- ⑤ Digital remote controller



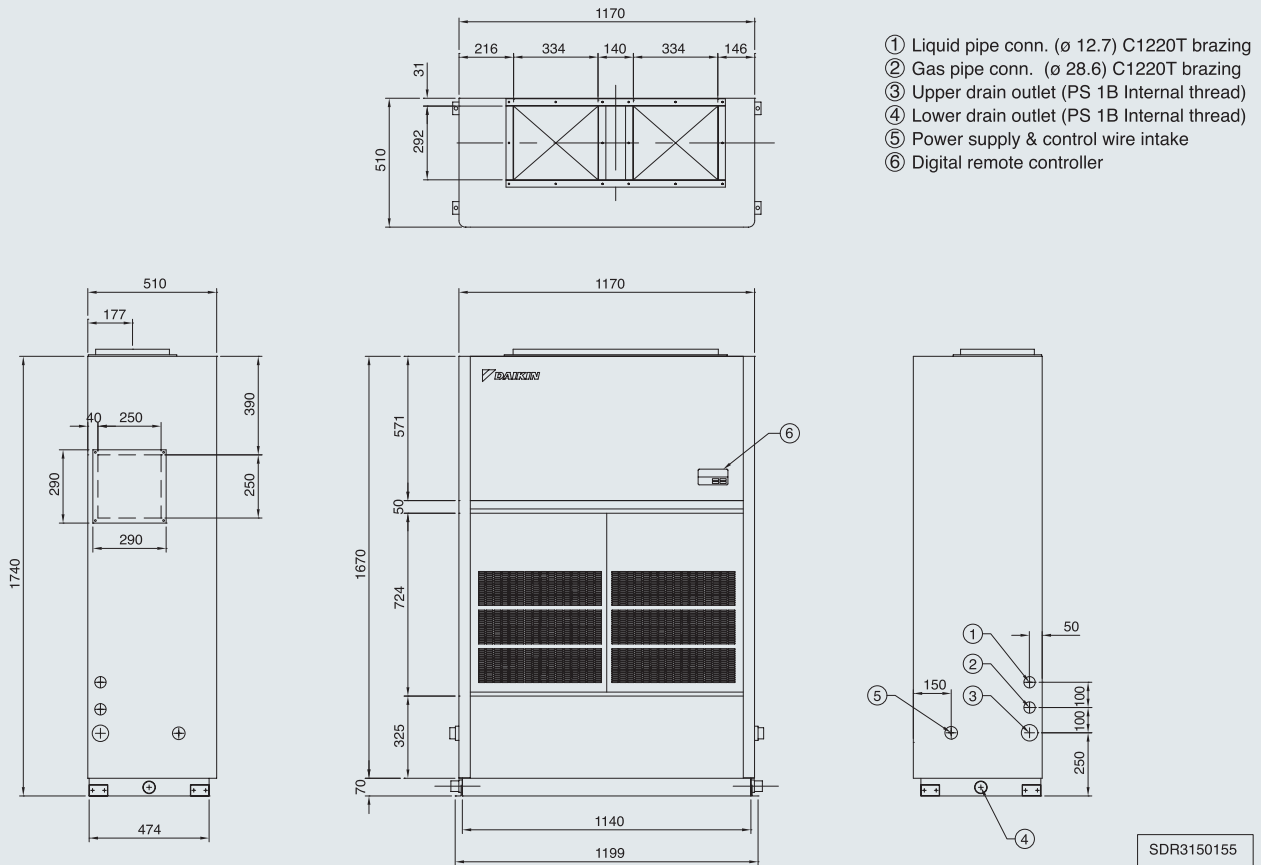
SDR3150154

DIMENSIONS

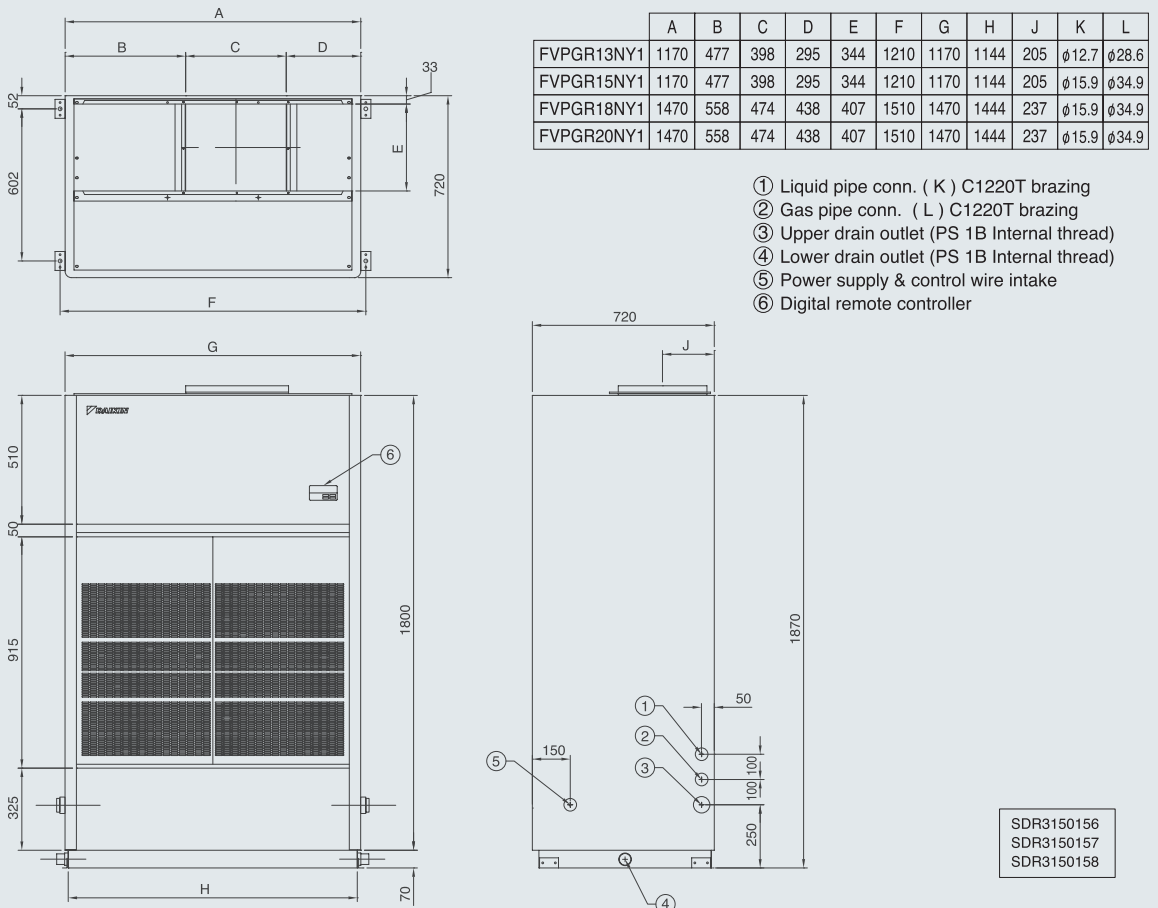
(Unit: mm)

■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

FVPGR10NY1

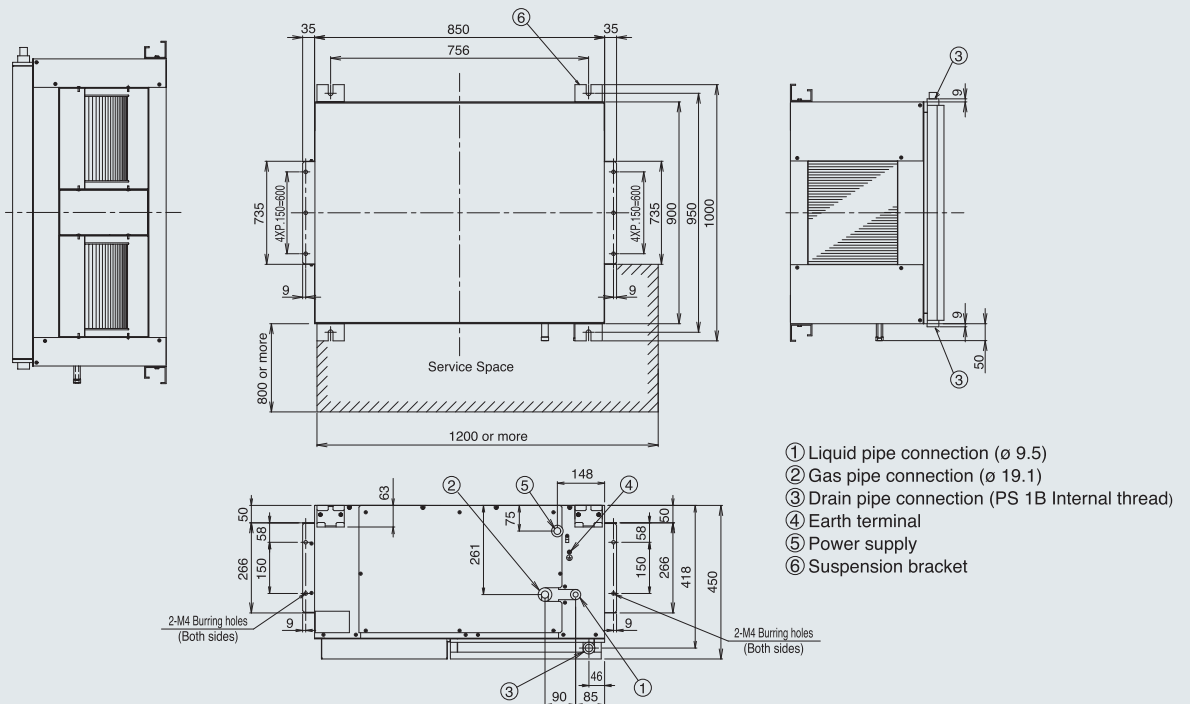


FVPGR13NY1 FVPGR15NY1 FVPGR18NY1 FVPGR20NY1



DUCT TYPE

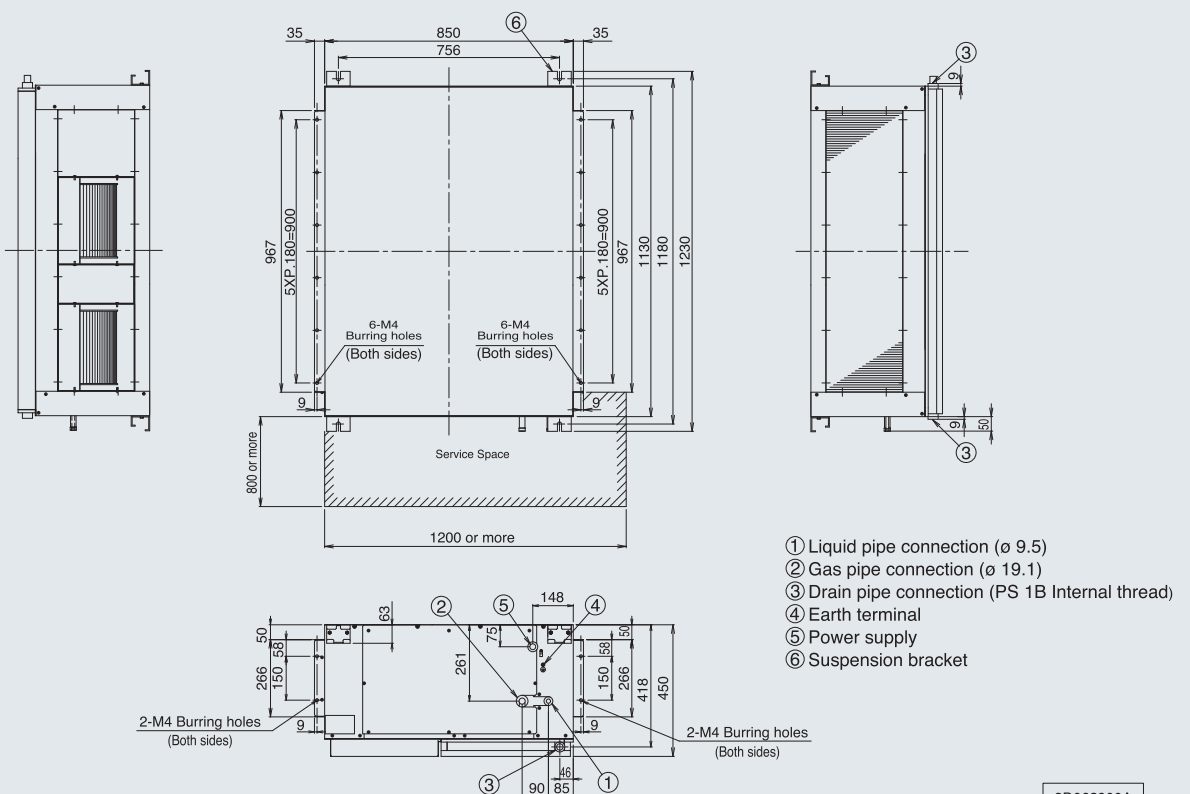
FDR05NY1



3D062899A

DUCT TYPE

FDR06NY1



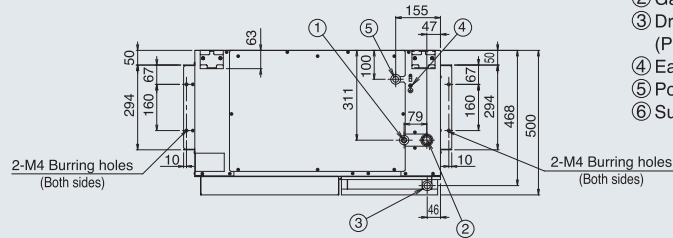
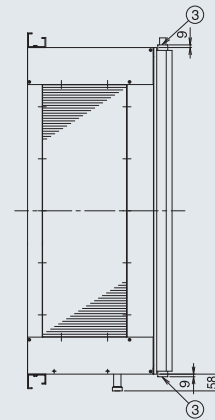
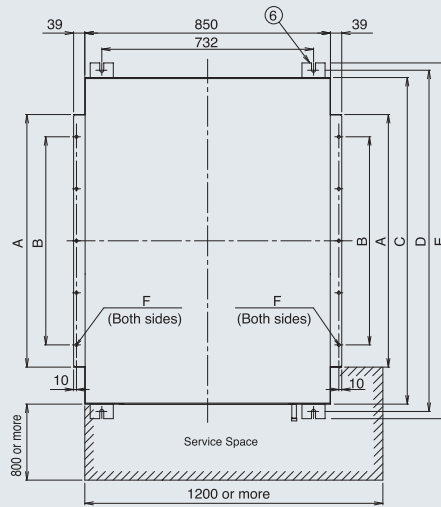
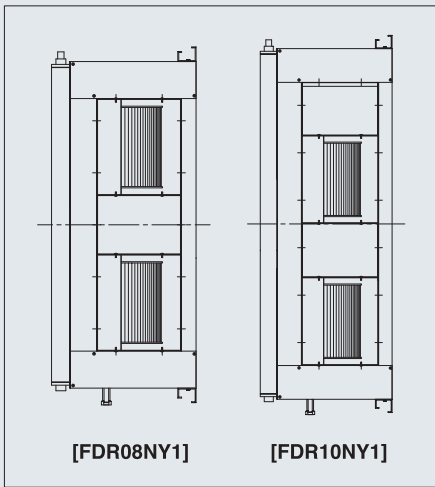
3D062900A

DIMENSIONS

(Unit: mm)

DUCT TYPE

FDR08NY1 / 10NY1



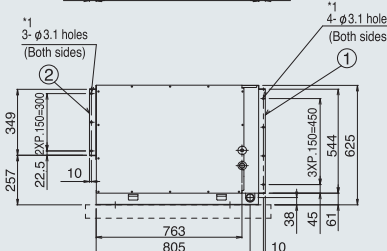
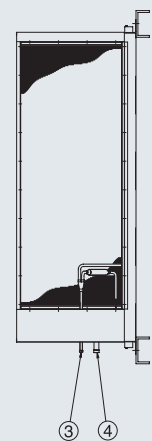
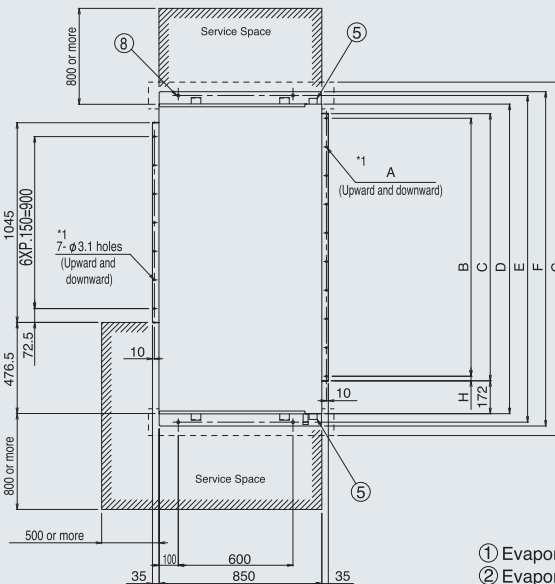
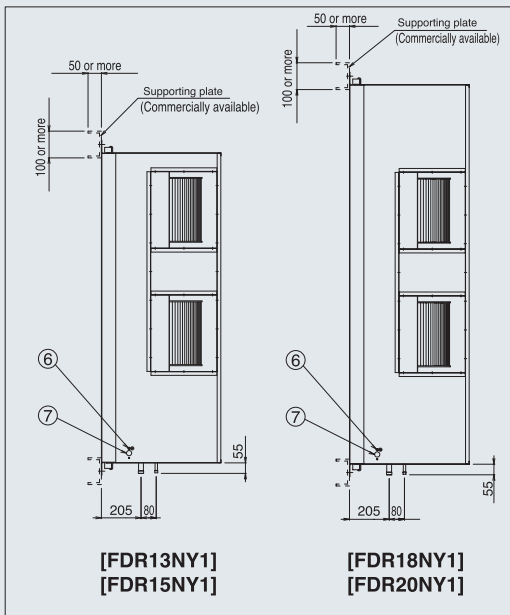
- ① Liquid pipe connection (ø 12.7)
- ② Gas pipe connection (G)
- ③ Drain pipe connection (PS 1B Internal thread)
- ④ Earth terminal
- ⑤ Power supply
- ⑥ Suspension bracket

	A	B	C	D	E	F	G
FDR08NY1	876	4XP.180=720	1130	1180	1230	5-M4 Burring holes	ø22.2
FDR10NY1	1076	5XP.180=900	1330	1380	1430	6-M4 Burring holes	ø28.6

3D062901A
3D062902A

DUCT TYPE

FDR13NY1 / 15NY1 / 18NY1 / 20NY1



- ① Evaporator air inlet connection
- ② Evaporator air outlet connection
- ③ Liquid pipe connection (J)
- ④ Gas pipe connection (K)
- ⑤ Drain pipe connection (PS 1B Internal thread)
- ⑥ Earth terminal
- ⑦ Power supply intake
- ⑧ The holes for anchor bolts

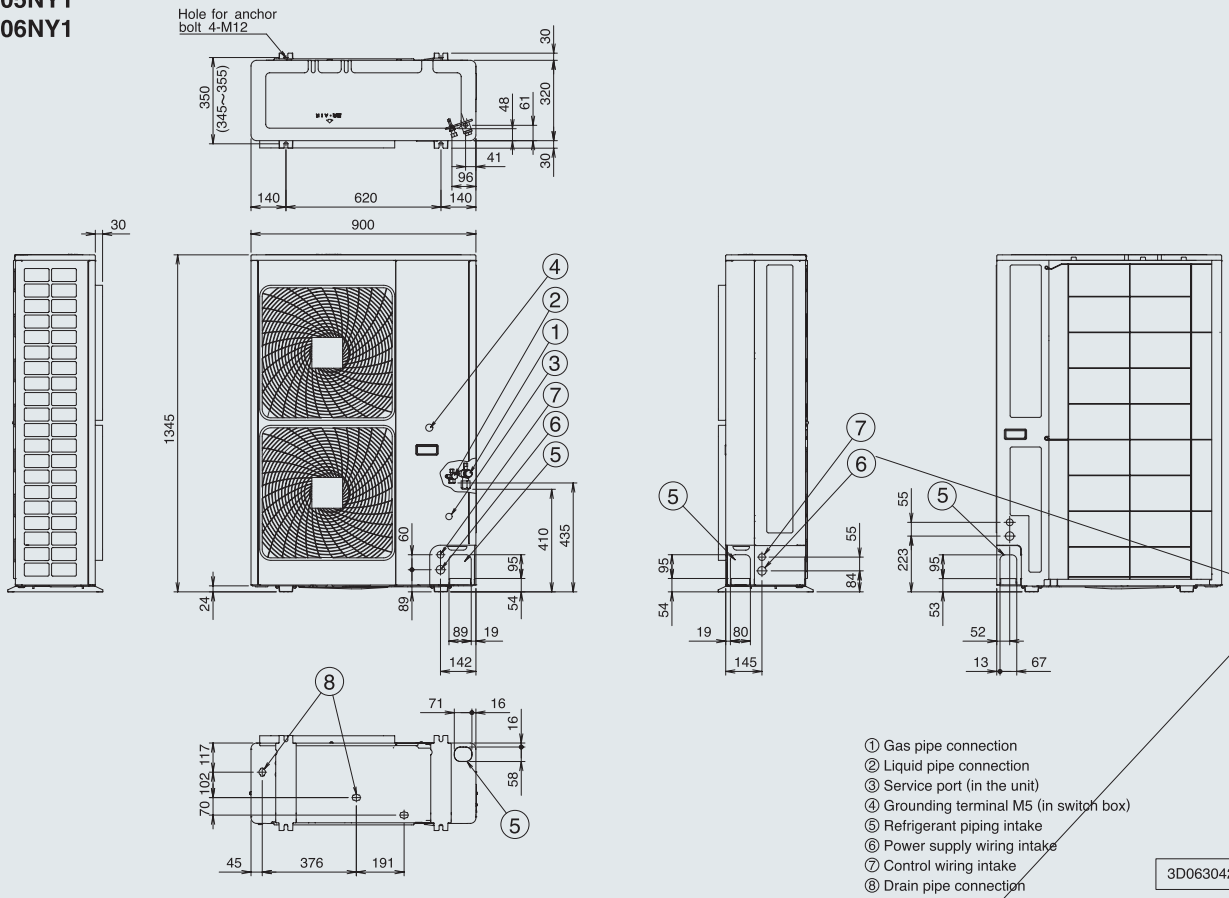
	A	B	C	D	E	F	G	H	J	K
FDR13NY1	10- ø3.1 holes	9XP.150=1350	1402	1620	1710	1750	1770	24	ø12.7	ø28.6
FDR15NY1	10- ø3.1 holes	9XP.150=1350	1402	1620	1710	1750	1770	24	ø15.9	ø34.9
FDR18NY1 FDR20NY1	12- ø3.1 holes	11XP.150=1650	1762	1980	2070	2110	2220	54	ø15.9	ø34.9

Notes: 1 Prepared holes for M4 tapping screw.

3D062912A
3D062913A
3D062914A

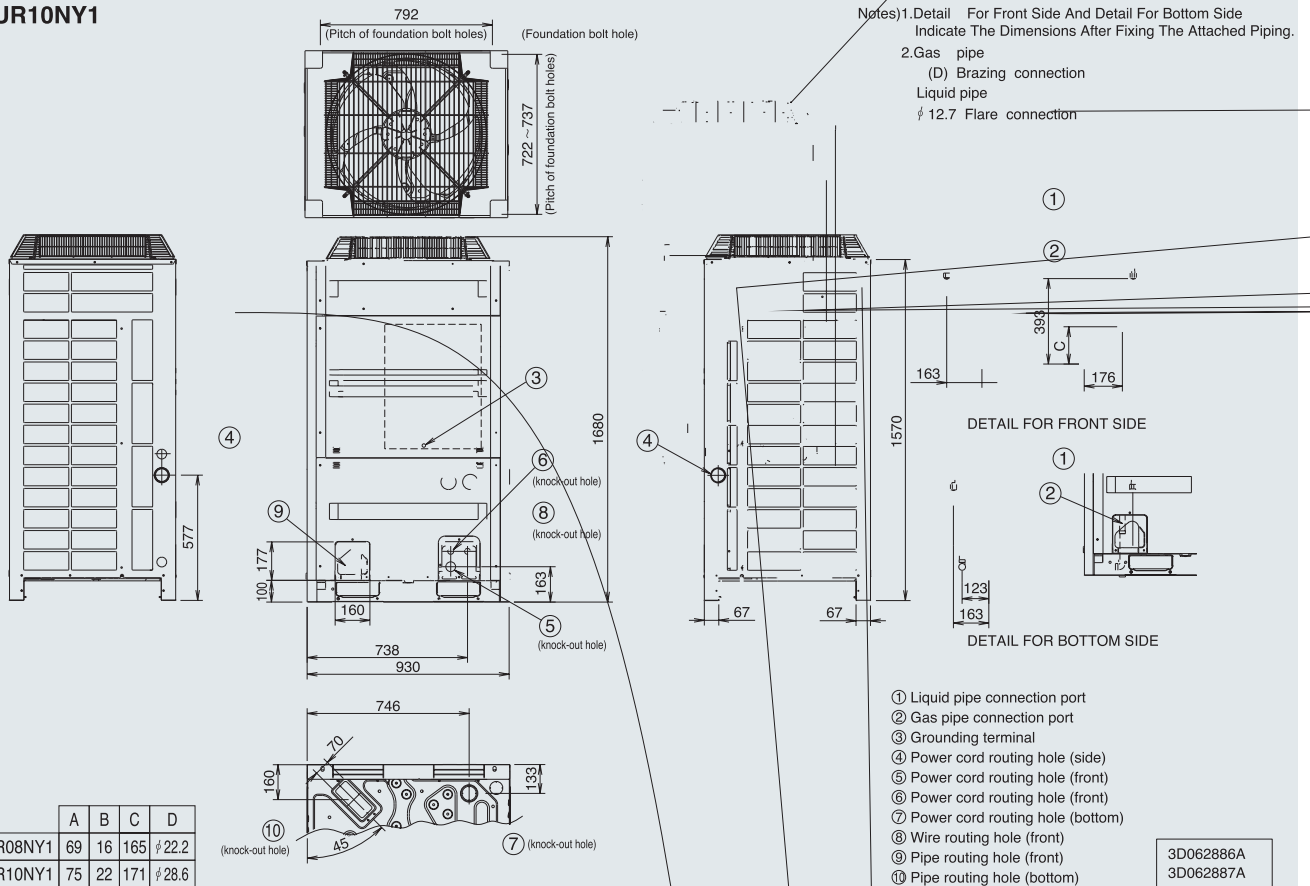
OUTDOOR UNIT

RUR05NY1
RUR06NY1



OUTDOOR UNIT

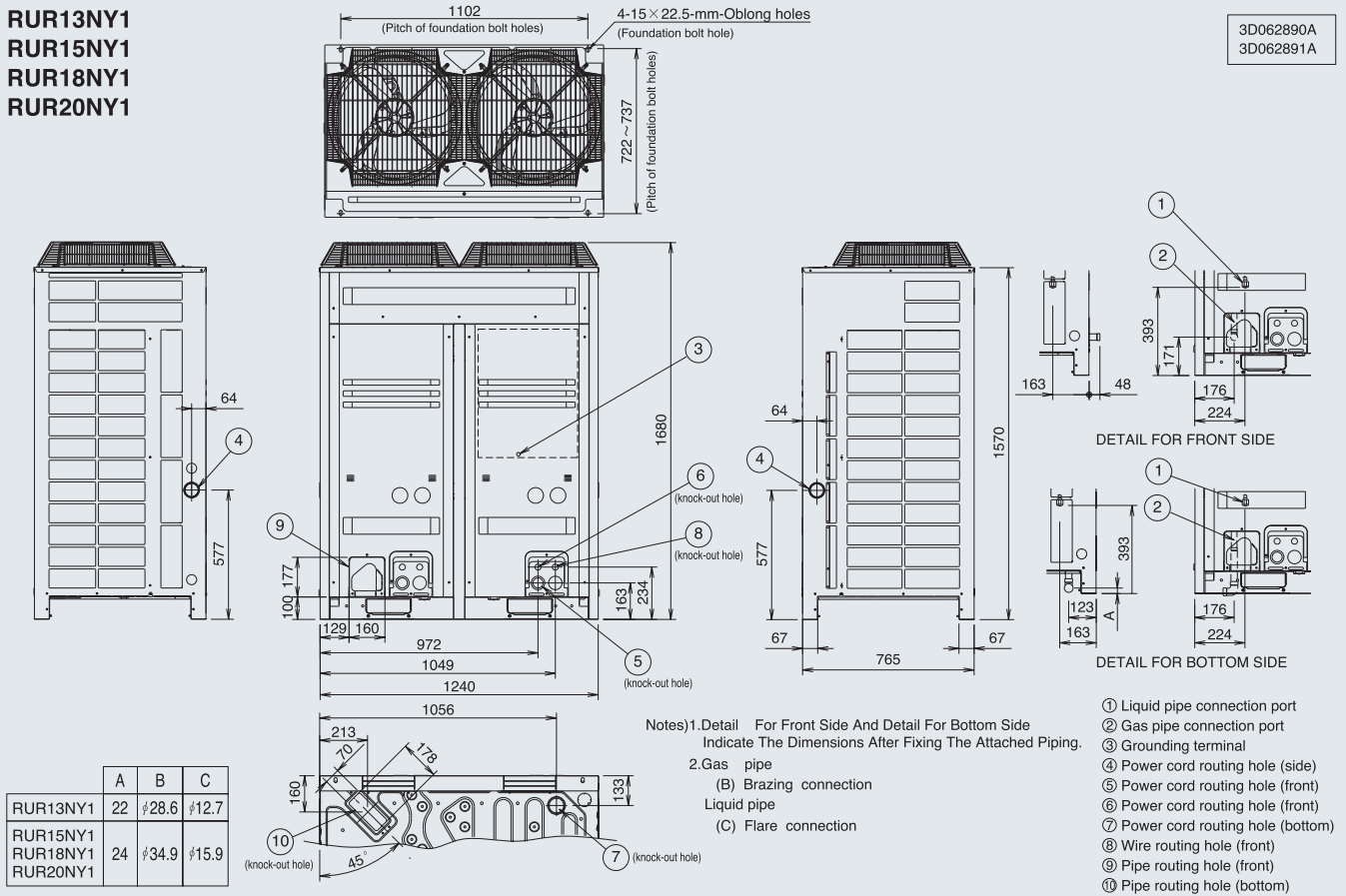
RUR08NY1
RUR10NY1



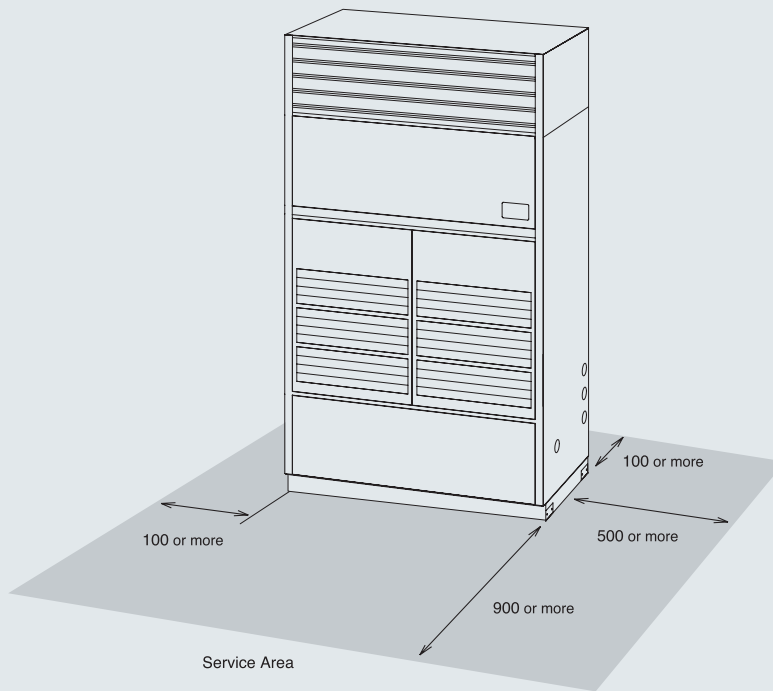
OUTDOOR UNIT

RUR13NY1
RUR15NY1
RUR18NY1
RUR20NY1

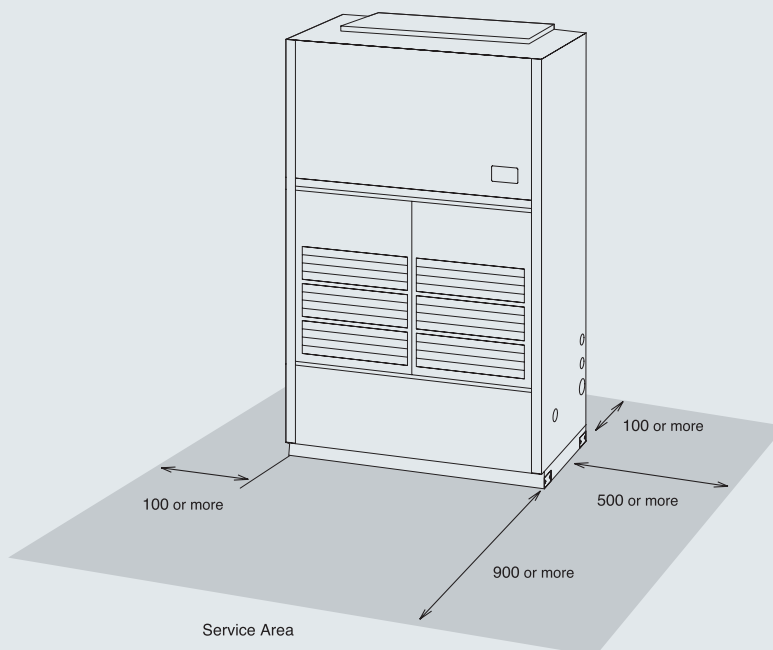
3D062890A
3D062891A



**FVGR05NV1
FVGR06NV1
FVGR08NV1
FVGR10NV1**



**FVPGR10NY1
FVPGR13NY1
FVPGR15NY1
FVPGR18NY1
FVPGR20NY1**



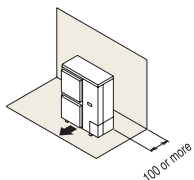
For RUR05NY1/06NY1

When there is an obstruction on the inlet side

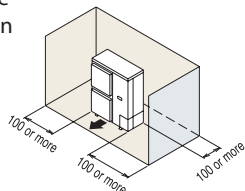
When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

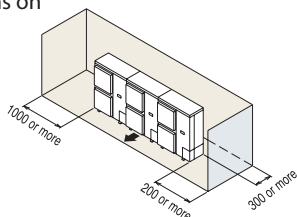


When there are obstructions on both sides



2. For series installation (more than two units)

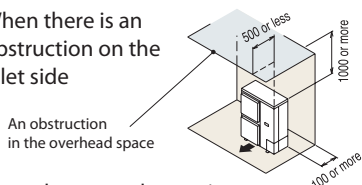
When there are obstructions on both sides



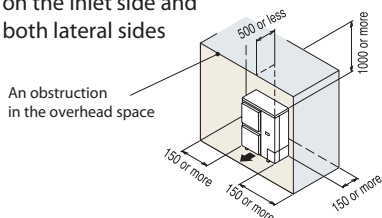
When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

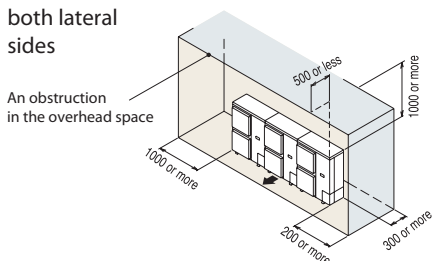


When there are obstructions on the inlet side and both lateral sides



2. For series installation (more than two units)

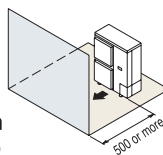
When there are obstructions on the inlet side and both lateral sides



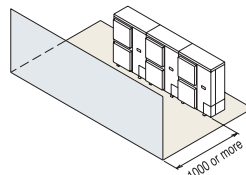
When there is an obstruction on the outlet side

When the overhead space is open

1. For single unit installation

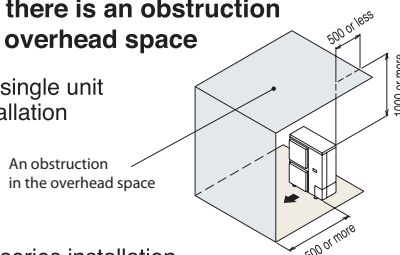


2. For series installation (more than two units)

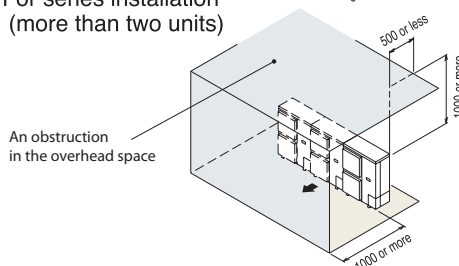


When there is an obstruction in the overhead space

1. For single unit installation



2. For series installation (more than two units)



When there are obstructions on both the inlet and outlet sides

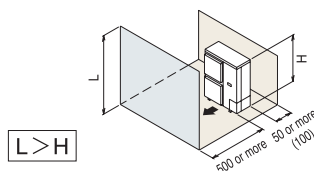
Pattern 1

For other patterns, please refer to engineering databook.

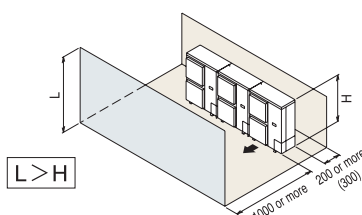
When the obstruction on the outlet side is higher than the unit itself (There is no limit to the height of the obstruction on the outlet side.)

When the overhead space is open

1. For single unit installation



2. For series installation (more than two units)

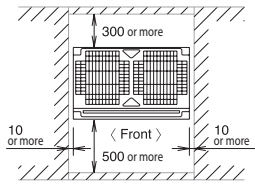


For RUR08NY1/10NY1/13NY1/15NY1/18NY1/20NY1

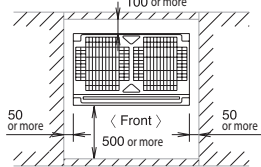
(Please refer to engineering databook for other installation patterns.)

For single unit installation

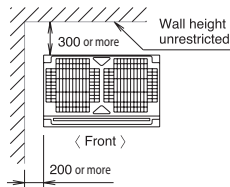
Pattern 1



Pattern 2

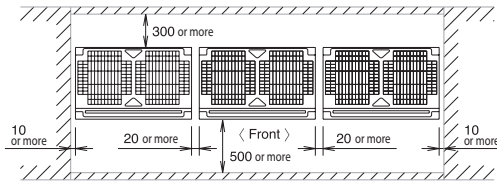


Pattern 3

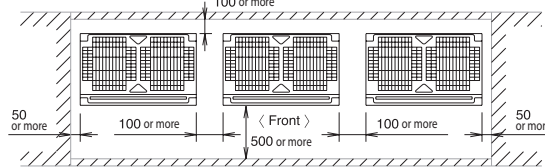


For installation in rows

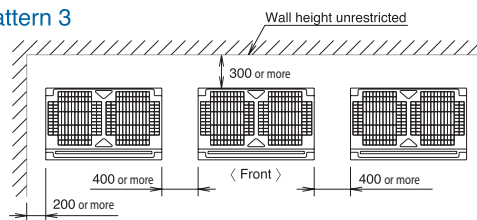
Pattern 1



Pattern 2

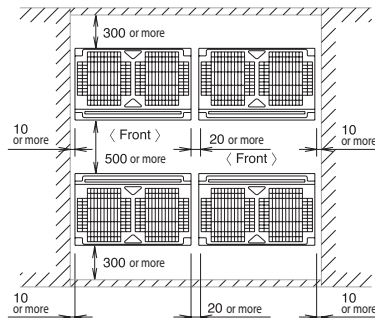
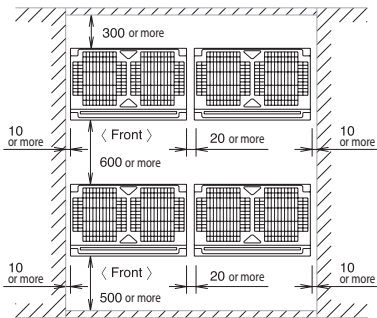


Pattern 3

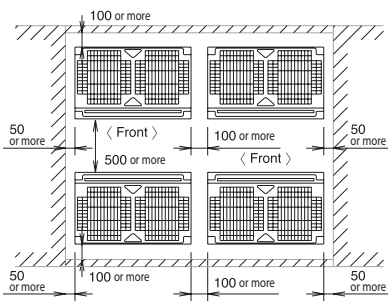
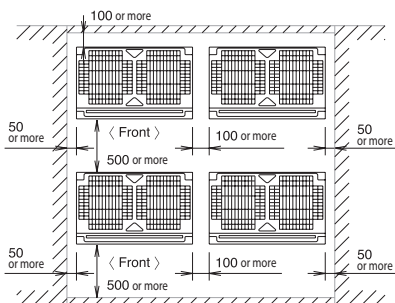


For centralized group layout

Pattern 1



Pattern 2



〈 Unit : mm 〉

Notes:

¹Heights of walls in case of Patterns 1 and 2:

Front : 1500 mm

Suction side : 500 mm

Side : Height unrestricted.

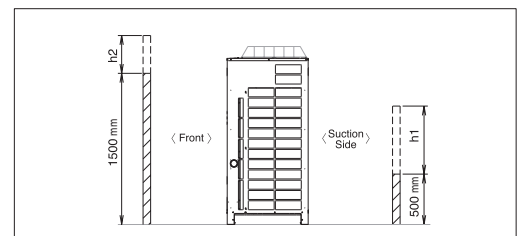
Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space to be shown in this drawing.

²If the above wall heights are exceeded then $h2/2$ and $h1/2$ should be added to the front and suction side service spaces respectively as shown in the figure on the right.

³When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough space for a person to pass between units and wall and for the air to circulate freely.

(If more units are to be installed than are catered for in the above patterns)
your layout should take account of the possibility of short circuits.

⁴The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.



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 enquiries, 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.

Dealer

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