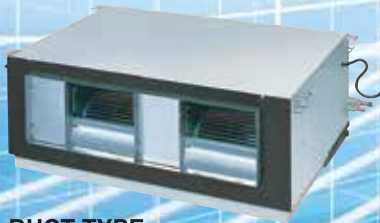


# AIR COOLED PACKAGED AIR CONDITIONERS

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
<b>Capacity</b> <sup>1,2</sup>	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
<b>FLOOR STANDING TYPE</b> DIRECT AIR BLOW TYPE <small>Specifications Page5 Dimensions Page 11</small>	Indoor unit		 FVGR05NV1	 FVGR06NV1	 FVGR08NV1	 FVGR10NV1
	Outdoor unit		RUR05NY1	RUR06NY1	RUR08NY1	RUR10NY1
<b>FLOOR STANDING TYPE</b> DUCT CONNECTION TYPE <small>Specifications Page5 Dimensions Page 12</small>	Indoor unit					 FVPGR10NY1
	Outdoor unit					RUR10NY1
<b>OUTDOOR UNIT</b> <small>Dimensions Page 15,16</small>						

DUCT TYPE **Cooling only**

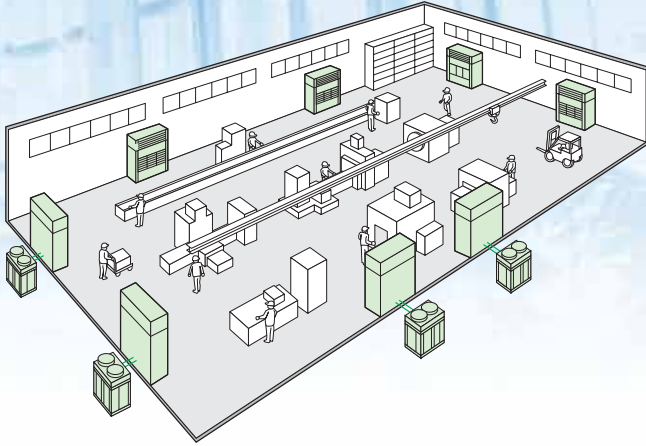
		HP	5	6	8	10
<b>Capacity</b> <sup>1,2</sup>	kW		14.7	17.6	23.5	29.3
	Btu/h		50,000	60,000	80,000	100,000
	kcal/h		12,600	15,100	20,200	25,200
<b>DUCT TYPE</b> <small>Specifications Page6 Dimensions Page 13,14</small>	Indoor unit		 FDR05NY1	 FDR06NY1	 FDR08NY1	 FDR10NY1
	Outdoor unit		RUR05NY1	RUR06NY1	RUR08NY1	RUR10NY1
<b>OUTDOOR UNIT</b> <small>Dimensions Page 15,16</small>						

Note : <sup>1</sup>Rated 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).  
<sup>2</sup>Capacity 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.



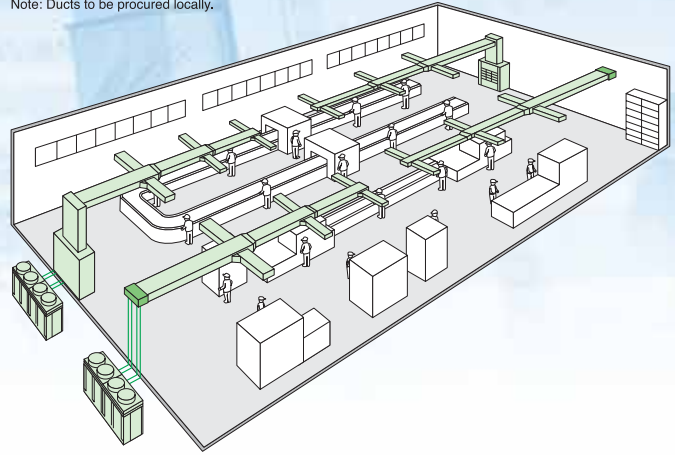
## DUCT CONNECTION TYPE

### 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

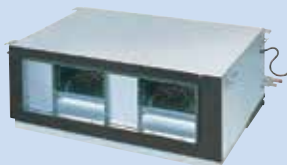


FVPGR10NY1



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 adaptor kit (DAT107A55) installation	□	□	○
Change fan motor and pulley	-	□	-
Discharge grill plenum chamber	○	□	-
Side discharge grillon 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) <sup>1</sup>	DAT107A55		
LCD remote controller <sup>2</sup>	BRC1C62		
intelligent Touch Controller <sup>2</sup>	DCS601C51		
Central remote controller <sup>2</sup>	DCS302CA61		
Unified ON/OFF controller <sup>3</sup>	DCS301B61		
Schedule timer <sup>3</sup>	DST301BA61		
Remote sensor (thermistor for suction air) <sup>3</sup>	KRCS01-1		
Remote controller <sup>3</sup>	-		BRC1NU64

Note:

<sup>1</sup>Wiring modification is needed on floor stand model to connect with central control ADP kit.

<sup>2</sup>Need to use central control adaptor kit for option connection.

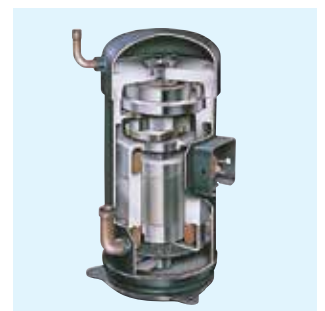
<sup>3</sup>Central control adaptor kit and LCD remote controller is necessary for option connection.

## 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



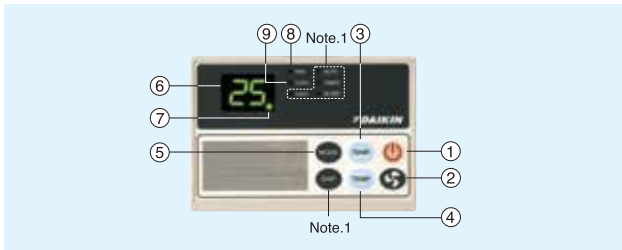
# and great reliability.

## 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.

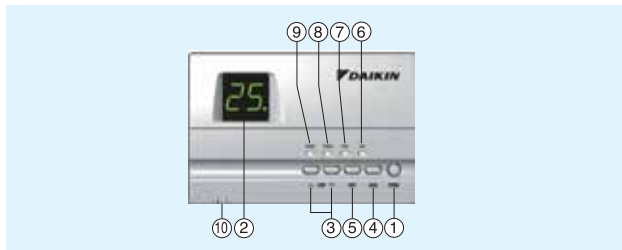
Floor standing type (Standard accessory)



- 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)

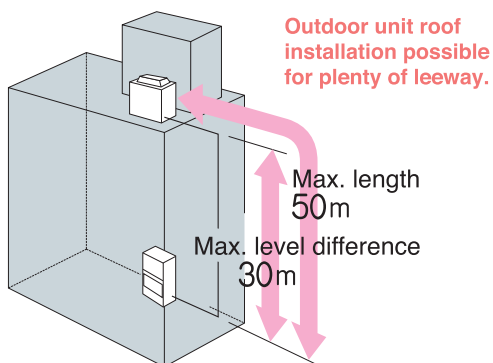


- ① Power
- ② Temperature scale
- ③ Temperature setting
- ④ Mode setting
- ⑤ Next setting
- ⑥ Fan indicator lamp
- ⑦ Cool indicator lamp
- ⑧ Compressor 2 indicator lamp
- ⑨ Compressor 1 indicator lamp
- ⑩ Temperature sensor

## 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 <sup>1</sup>	Max. length	Max. level difference
RUR05NY1-20NY1	7.5 m	50 m (Equivalent length 70 m)	30 m

Note: <sup>1</sup>Additional 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

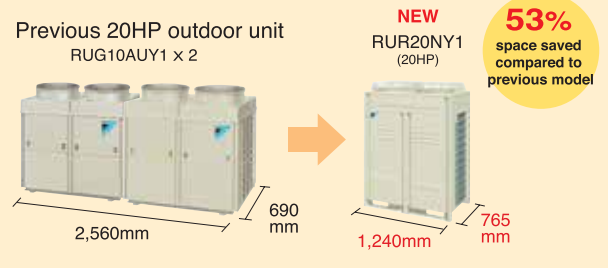
### Heat exchange fins provided with anti-corrosion treatment

(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 <sup>1,3</sup>	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 <sup>1</sup>	kW		5.5	6.4	10.0	11.2	
Running current	A		9.0	10.4	16.8	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 <sup>3</sup> /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) <sup>2</sup>	dBA	59/54/50	59/54/50	60/56/51	61/57/52	
	Dimensions (H×W×D)	mm	1,870×750×510	1,870×750×510	1,870×950×510	1,870×1,170×510	
	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				
		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 <sup>2</sup>	380V	dBA	59	59	60	61
		415V	dBA	60	60	61	62
	Dimensions (H×W×D)	mm	1,345×900×320			1,680×930×765	
	Machine weight	kg	92	105	203	206	
Operation range	°CDB	21 to 46					
Refrigerant Piping	Indoor unit	Liquid	ø9.5 (Brazing)			ø12.7 (Brazing)	
		Gas	ø19.1 (Brazing)			ø22.2 (Brazing)	
		Drain				ø28.6 (Brazing)	
	Outdoor unit	Liquid	ø9.5 (Flare)			ø12.7 (Flare)	
		Gas	ø19.1 (Flare)			ø22.2 (Brazing)	
		Drain	ø26.0 (Hole)			ø28.6 (Brazing)	
			PS 1B Internal thread				
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 <sup>1,3</sup>	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 <sup>1</sup>	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 <sup>3</sup> /min	80	120	162		162	
		cfm	2,830	4,240	5,720		5,720	
	Fan Drive	Belt Drive						
	Ext. Static Pressure	Pa(mmH <sub>2</sub> O)	15					
	Sound level <sup>2</sup>	dBA	61	62	62	63	63	
	Dimensions (H×W×D)	mm	1,740×1,170×510	1,870×1,170×720		1,870×1,470×720		
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 <sup>2</sup>	380V	dBA	61	61	62	63	63
		415V	dBA	62	62	63	64	64
	Dimensions (H×W×D)	mm	1,680×930×765	1,680×1,240×765				
	Machine weight	kg	206	243	319	322	329	
Operation range	°CDB	21 to 46						
Refrigerant Piping	Indoor unit	Liquid	ø12.7 (Brazing)			ø15.9 (Brazing)		
		Gas	ø28.6 (Brazing)			ø34.9 (Brazing)		
		Drain				ø34.9 (Brazing)		
	Outdoor unit	Liquid	ø12.7 (Flare)			ø15.9 (Flare)		
		Gas	ø28.6 (Brazing)			ø34.9 (Brazing)		
Drain	PS 1B Internal thread							
Max. interunit piping length	m	50 (equivalent length 70 m)						
Max. installation level difference	m	30						

Note : <sup>1</sup>Rated 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).

<sup>2</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

<sup>3</sup>Capacity 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 <sup>1,3</sup>		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 <sup>1</sup>		kW		5.6	6.5	10.2	11.4			
Running current		A		9.2	10.6	17.2	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 <sup>3</sup> /min	46	54	68	78		
				cfm	1,620	1,910	2,400	2,750		
		Fan	External static pressure		9					
			Driving system		Belt drive					
		Sound level (H) <sup>2</sup>		dB(A)		49	51	53		
		Dimensions (H×W×D)		mm		450×900×850	450×1,130×850	500×1,130×850	500×1,330×850	
		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				
				Charge		POLYOL ESTER				
Sound level <sup>2</sup>				380V		dBA	1.4	1.8	3.3	3.3
				415V		dBA	59	59	60	61
Dimensions (H×W×D)				mm		1,345×900×320		1,680×930×765		
Machine weight				kg		92	105	203	206	
Operation range		°CDB		21 to 46						
Piping connections		Indoor unit		Liquid	mm		φ9.5(Brazing)	φ12.7(Brazing)		
				Gas	mm		φ19.1(Brazing)	φ22.2(Brazing)		
				Drain	mm		PS 1B Internal thread			
		Outdoor unit		Liquid	mm		φ9.5(Flare)	φ12.7(Flare)		
				Gas	mm		φ19.1(Flare)	φ22.2(Brazing)		
				Drain	mm		φ26.0 (Hole)	φ28.6(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 <sup>1,3</sup>		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 <sup>1</sup>		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 <sup>3</sup> /min	136		166			
				cfm	4,800		5,860			
		Fan	External static pressure		15					
			Driving system		Belt drive					
		Sound level (H) <sup>2</sup>		dB(A)		58		60		
		Dimensions (H×W×D)		mm		625×1,620×850		625×1,980×850		
		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
Sound level <sup>2</sup>				380V		dBA	61	62	63	63
				415V		dBA	62	63	64	64
Dimensions (H×W×D)				mm		1,680×1,240×765				
Machine weight				kg		243	319	322	329	
Operation range		°CDB		21 to 46						
Piping connections		Indoor unit		Liquid	mm		φ12.7(Brazing)	φ15.9(Brazing)		
				Gas	mm		φ28.6(Brazing)	φ34.9(Brazing)		
				Drain	mm		PS 1B Internal thread			
		Outdoor unit		Liquid	mm		φ12.7(Flare)	φ15.9(Flare)		
				Gas	mm		φ28.6(Brazing)	φ34.9(Brazing)		
				Drain	mm		---			
Max. interunit piping length		m		50 (equivalent length 70 m)						
Max. installation level difference		m		30						

Note : <sup>1</sup>Rated 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).

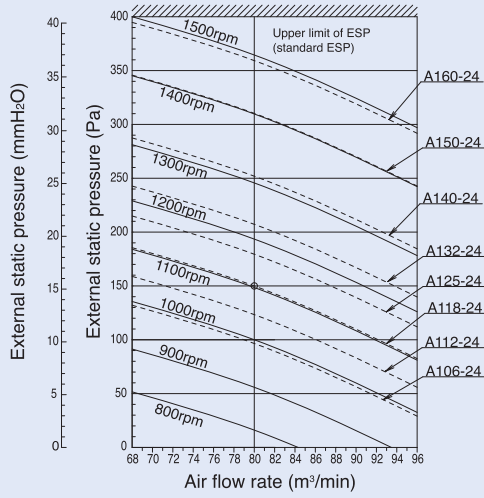
<sup>2</sup>Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

<sup>3</sup>Capacity includes indoor fan motor heat.

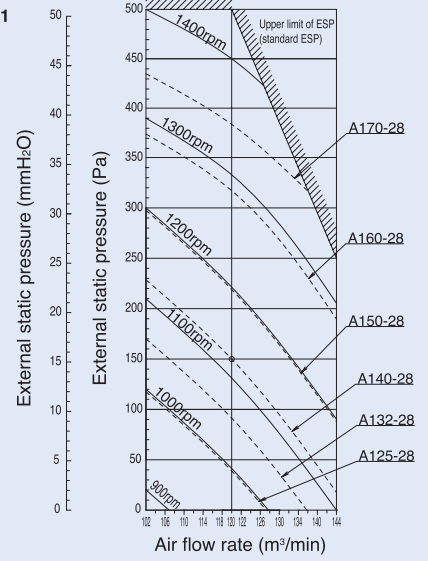
# Fan Performance

## ■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

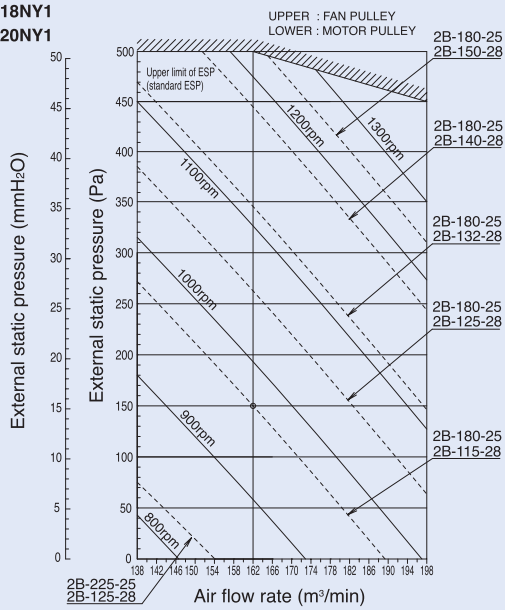
FVPGR10NY1



FVPGR13NY1  
FVPGR15NY1



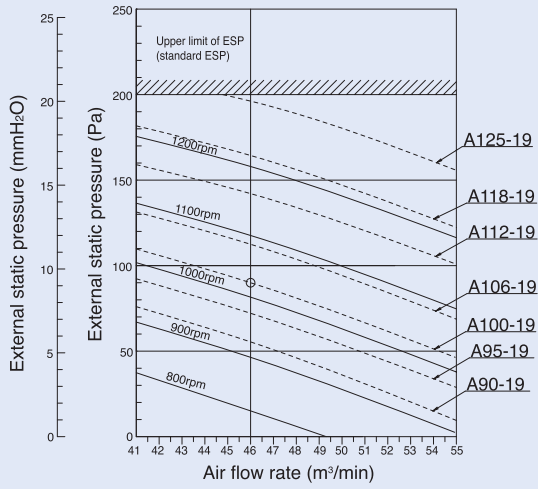
FVPGR18NY1  
FVPGR20NY1



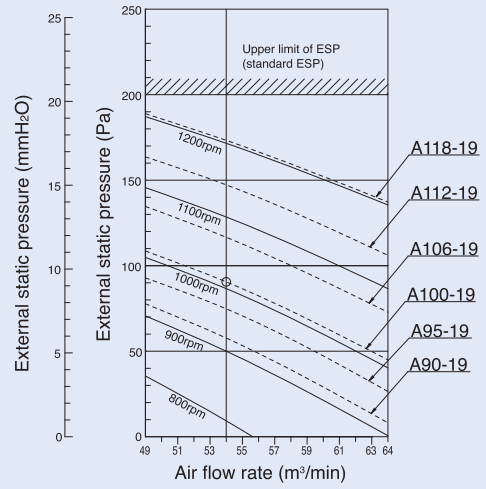


# DUCT TYPE

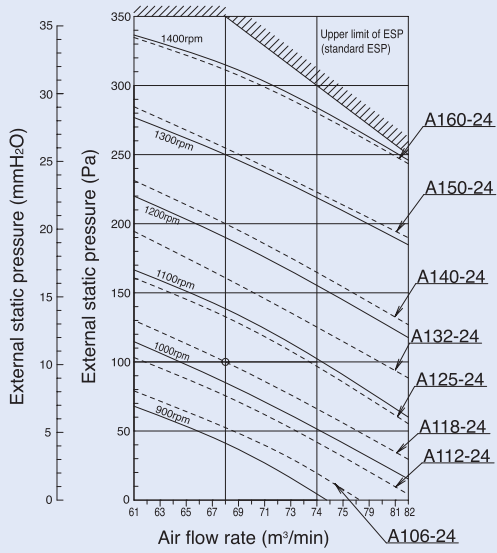
**FDR05NY1**



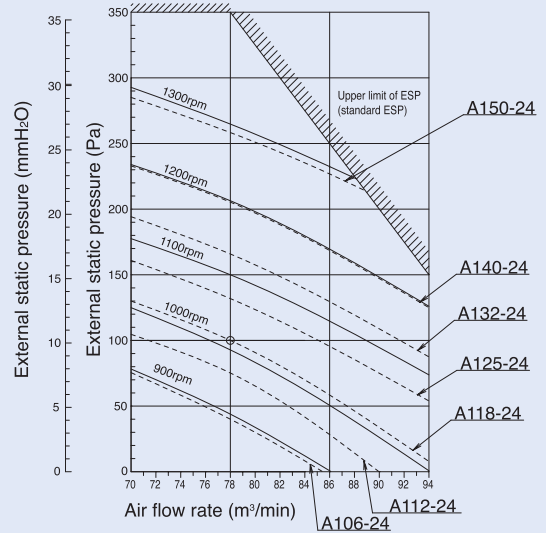
**FDR06NY1**



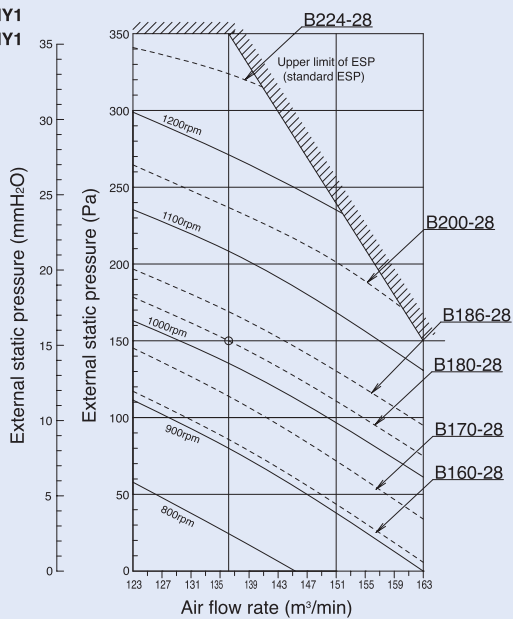
**FDR08NY1**



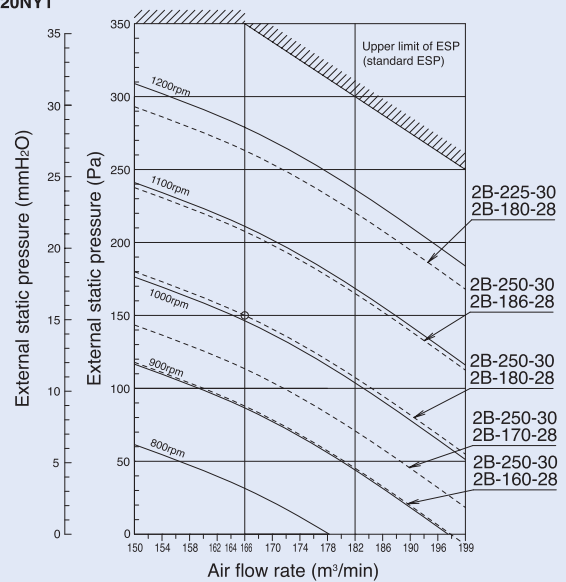
**FDR10NY1**



**FDR13NY1  
FDR15NY1**

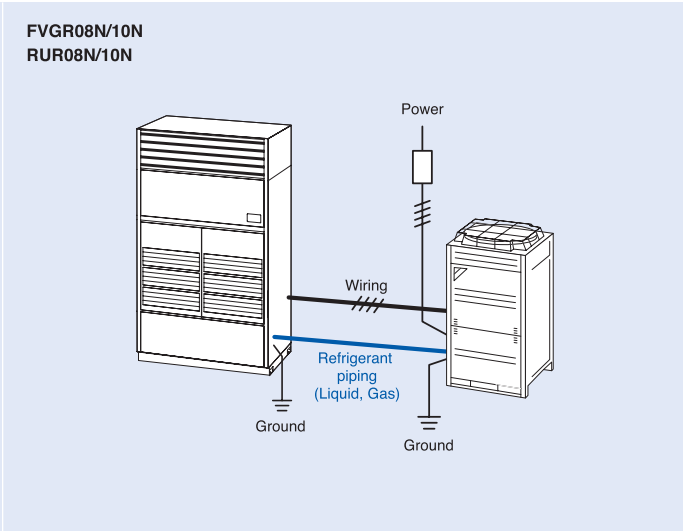
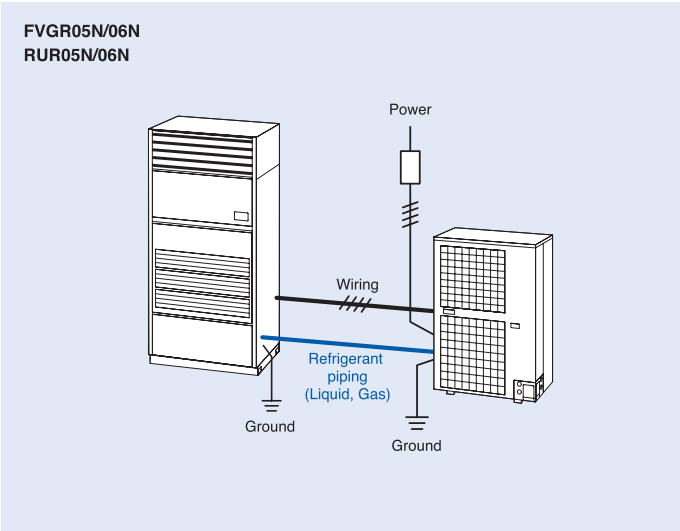


**FDR18NY1  
FDR20NY1**

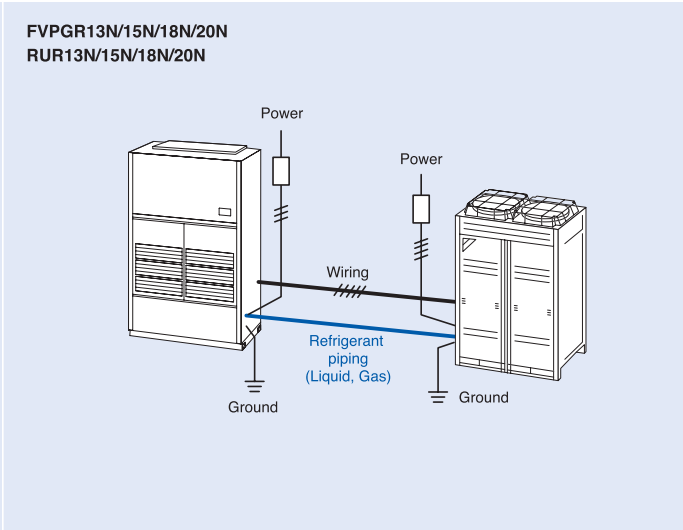
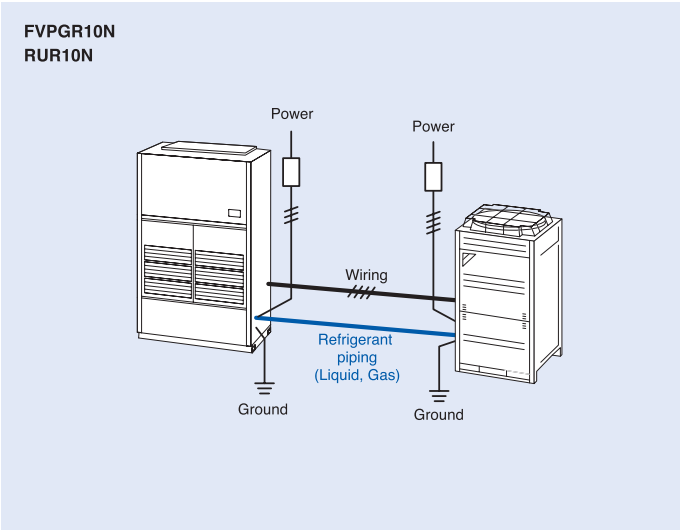


# Wiring and Piping

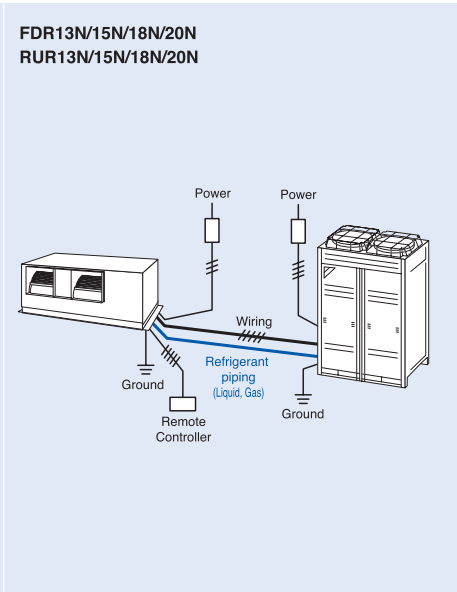
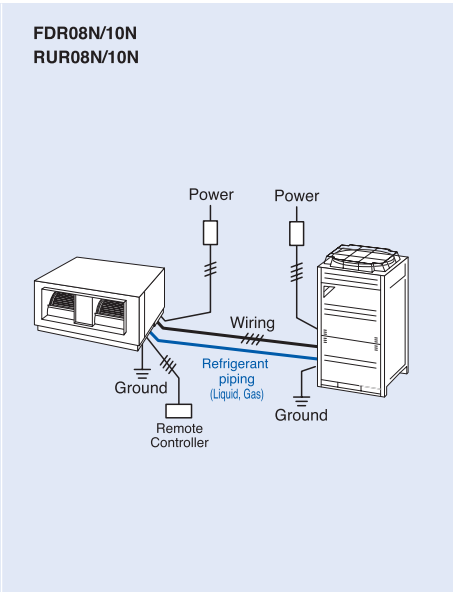
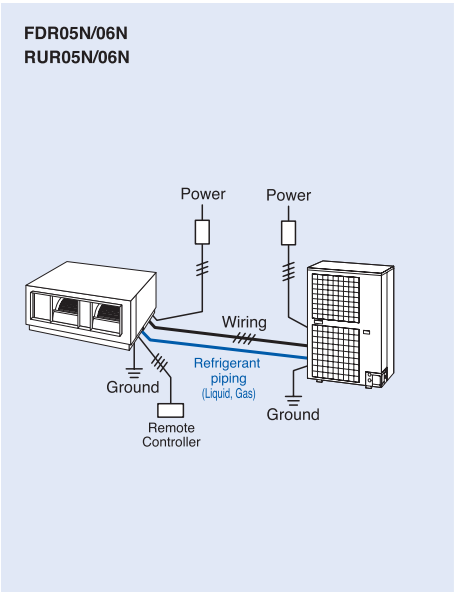
## ■ FLOOR STANDING TYPE DIRECT AIR BLOW TYPE



## ■ FLOOR STANDING TYPE DUCT CONNECTION TYPE



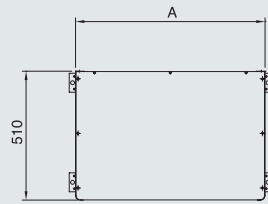
## DUCT TYPE



# DIMENSIONS (Unit: mm)

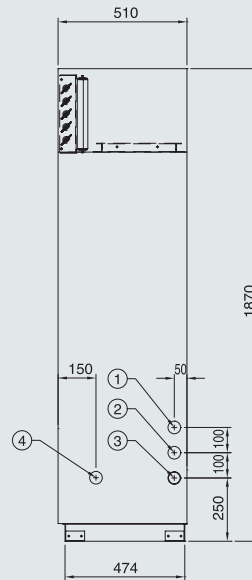
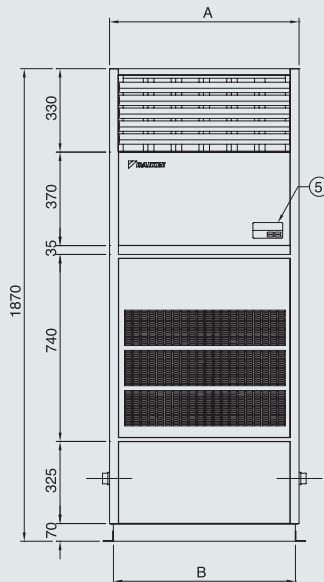
## ■ FLOOR STANDING TYPE DIRECT AIR BLOW TYPE

FVGR05NV1  
FVGR06NV1  
FVGR08NV1



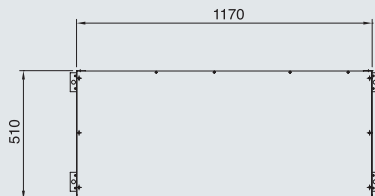
	A	B	C	D
FVGR05NV1	750	720	∅ 9.5	∅ 19.1
FVGR06NV1	750	720	∅ 9.5	∅ 19.1
FVGR08NV1	950	920	∅ 12.7	∅ 22.2

- 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

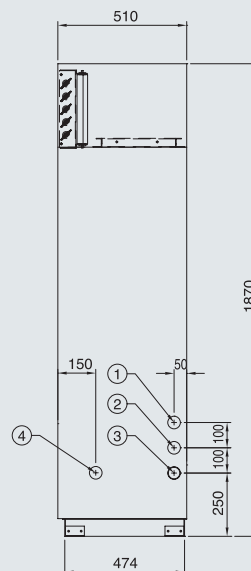
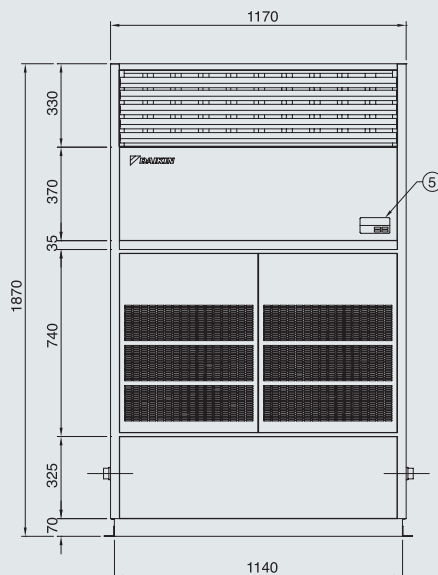


SDR3150151  
SDR3150152  
SDR3150153

FVGR10NV1



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



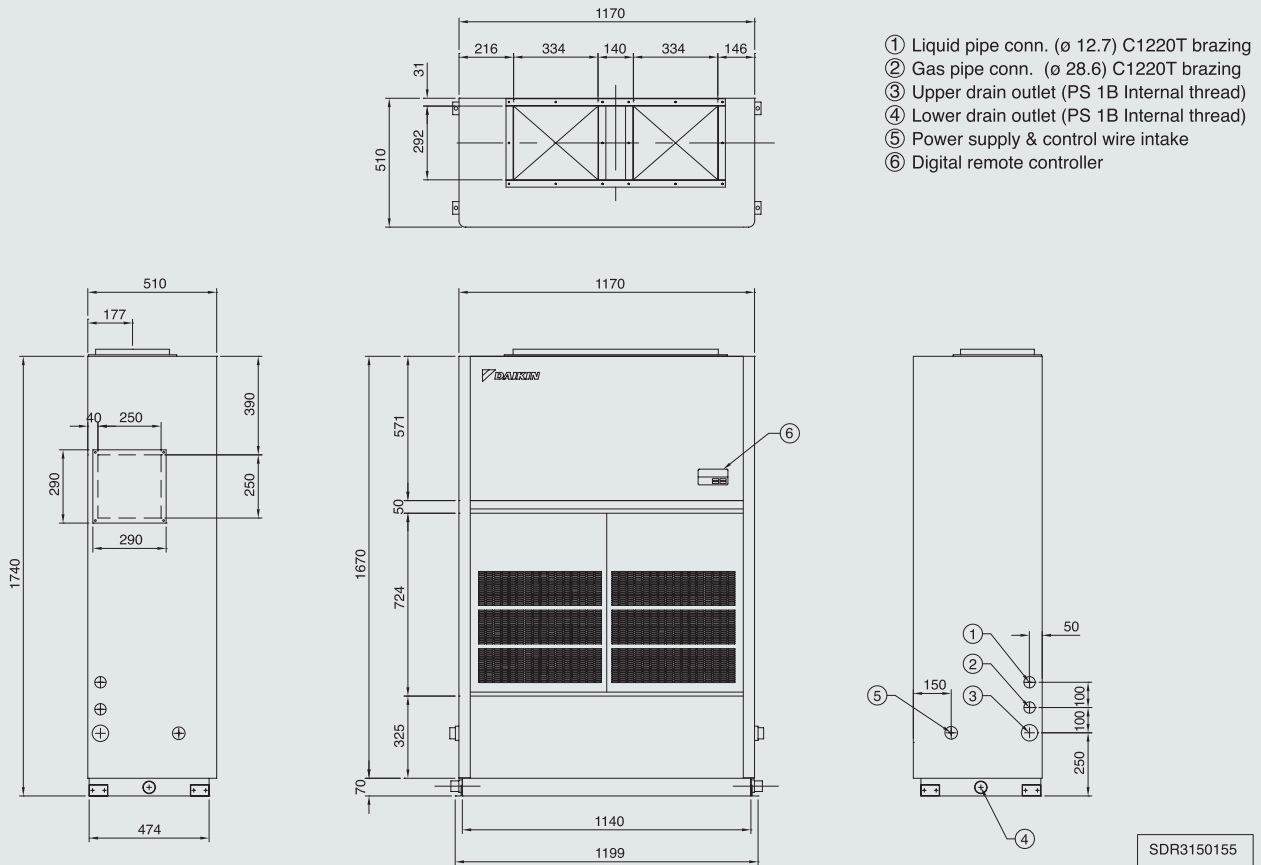
SDR3150154

# DIMENSIONS

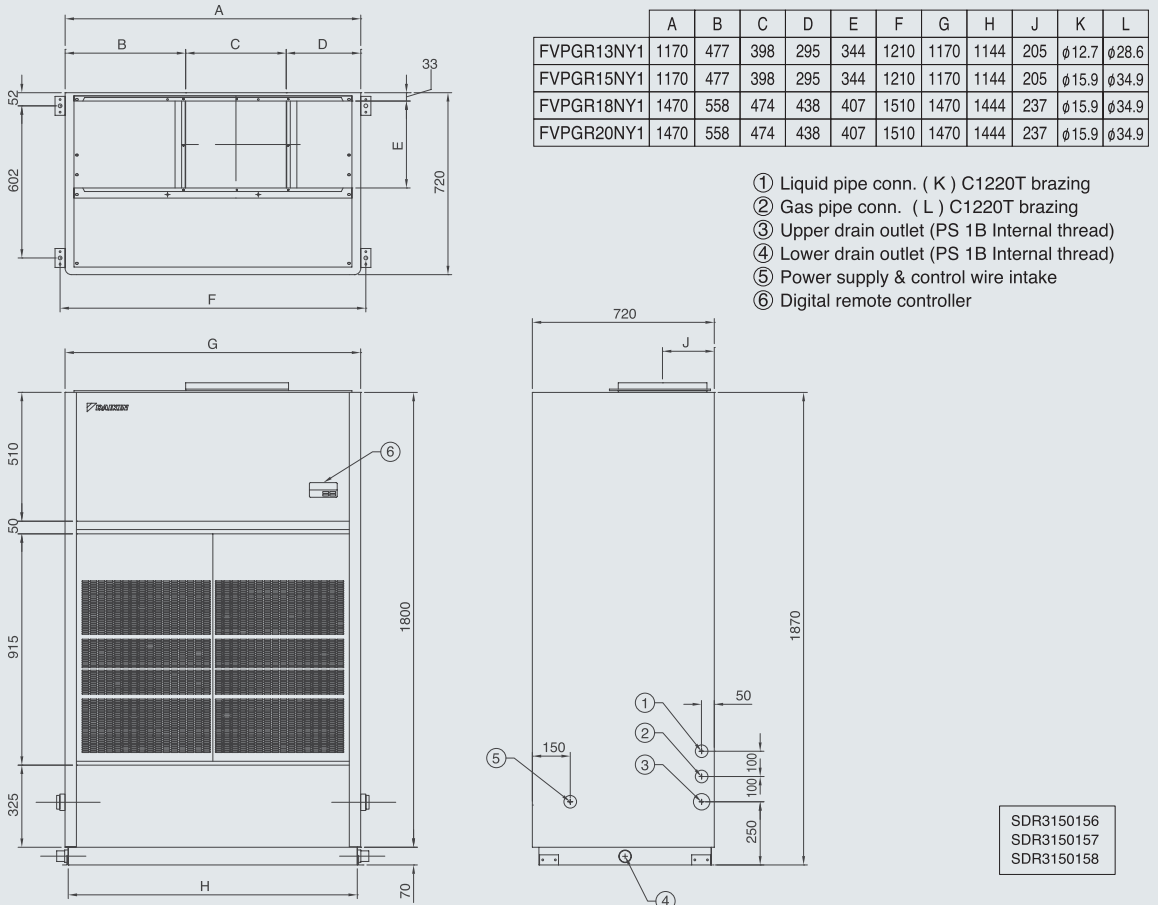
(Unit: mm)

## ■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

### FVPGR10NY1

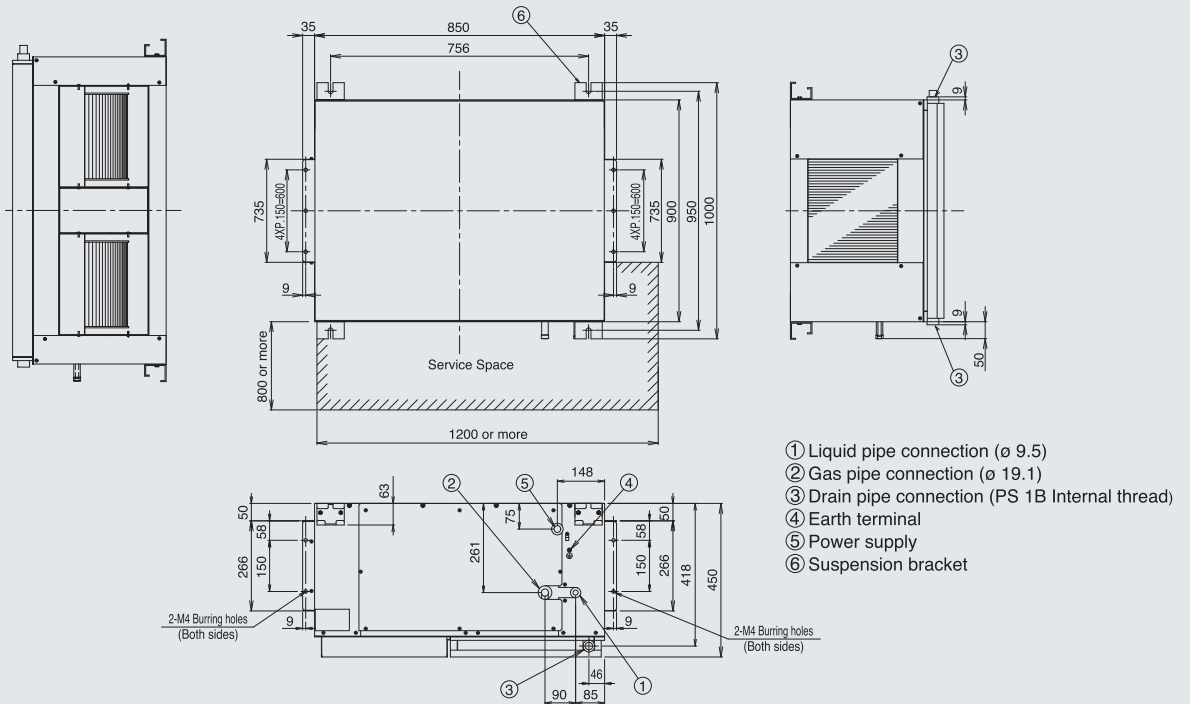


### FVPGR13NY1 FVPGR15NY1 FVPGR18NY1 FVPGR20NY1



## DUCT TYPE

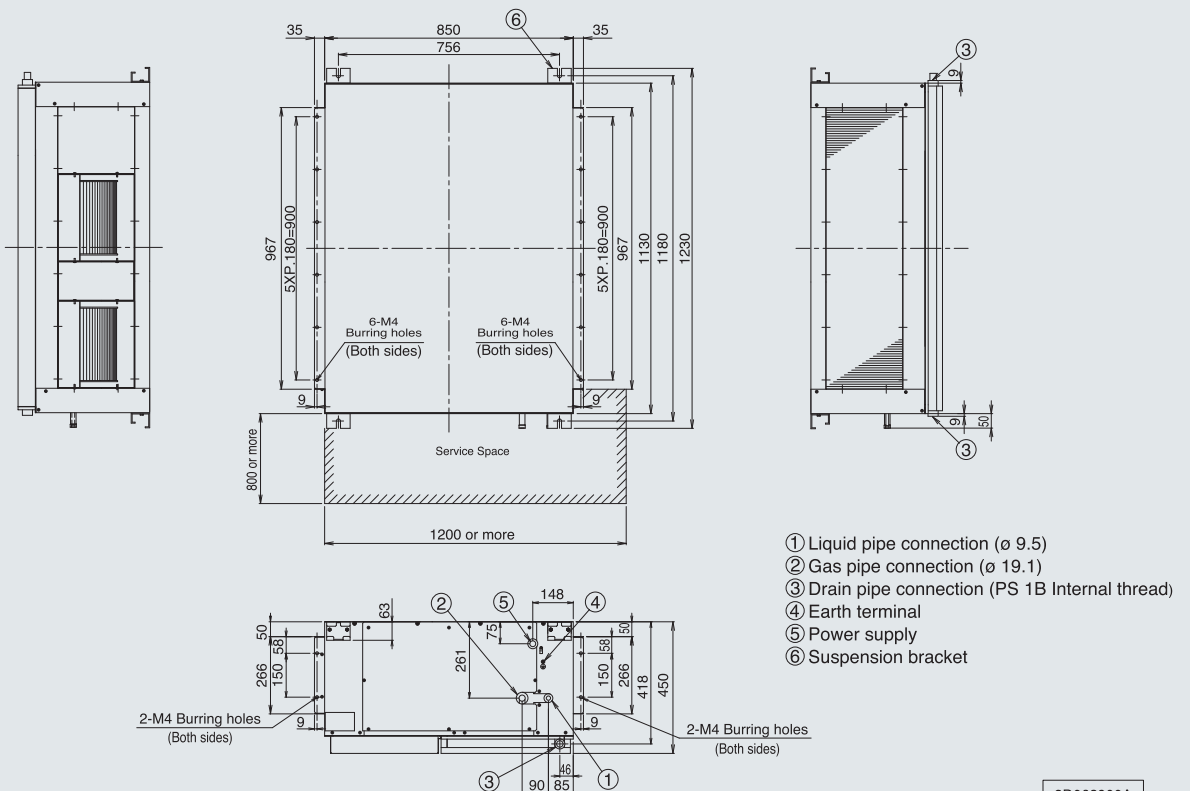
### FDR05NY1



3D062899A

## DUCT TYPE

### FDR06NY1

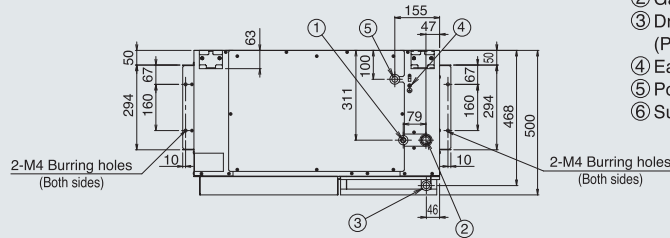
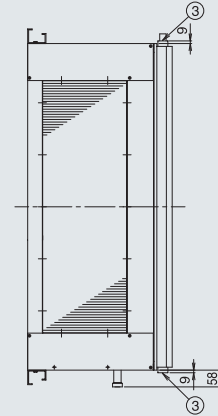
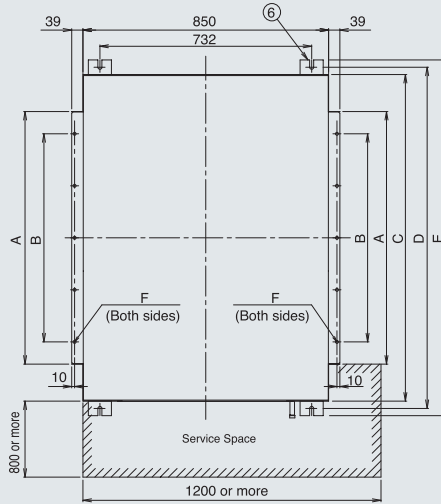
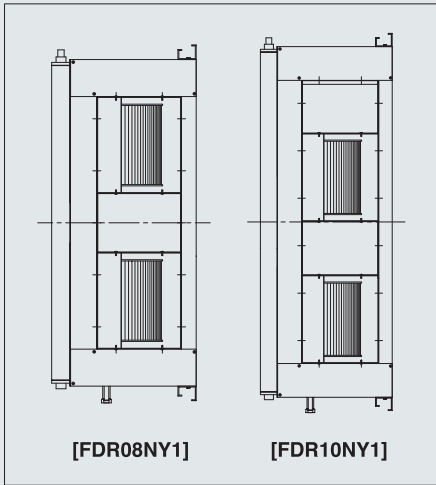


3D062900A

# DIMENSIONS (Unit: mm)

## DUCT TYPE

### FDR08NY1 / 10NY1



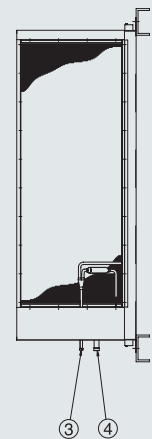
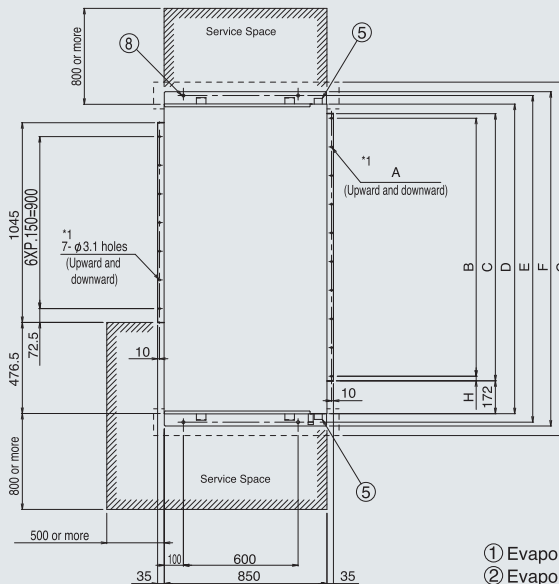
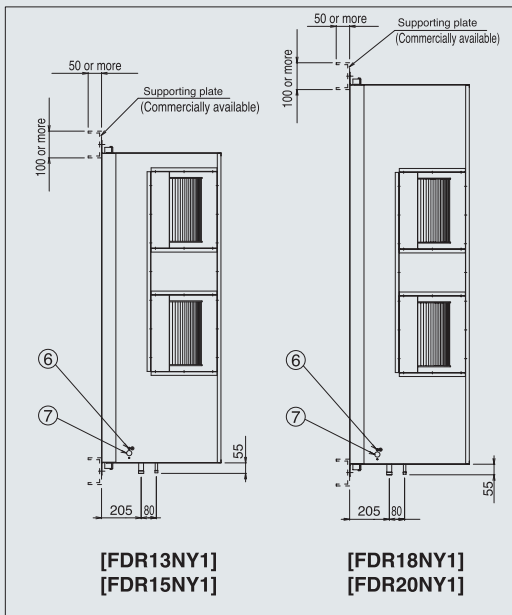
- ① Liquid pipe connection ( $\phi$  12.7)
- ② Gas pipe connection (G)
- ③ Drain pipe connection (PS 1B Internal thread)
- ④ Earth terminal
- ⑤ Power supply
- ⑥ Suspension bracket

	A	B	C	D	E	F	G
FDR08NY1	876	4XP.180=720	1130	1180	1230	5-M4 Burring holes	$\phi$ 22.2
FDR10NY1	1076	5XP.180=900	1330	1380	1430	6-M4 Burring holes	$\phi$ 28.6

3D062901A  
3D062902A

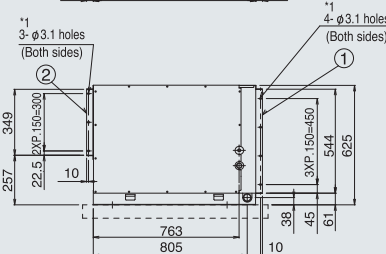
## DUCT TYPE

### FDR13NY1 / 15NY1 / 18NY1 / 20NY1



	A	B	C	D	E	F	G	H	J	K
FDR13NY1	10- $\phi$ 3.1 holes	9XP.150=1350	1402	1620	1710	1750	1770	24	$\phi$ 12.7	$\phi$ 28.6
FDR15NY1	10- $\phi$ 3.1 holes	9XP.150=1350	1402	1620	1710	1750	1770	24	$\phi$ 15.9	$\phi$ 34.9
FDR18NY1	12- $\phi$ 3.1 holes	11XP.150=1650	1762	1980	2070	2110	2220	54	$\phi$ 15.9	$\phi$ 34.9

Notes: '1 Prepared holes for M4 tapping screw.

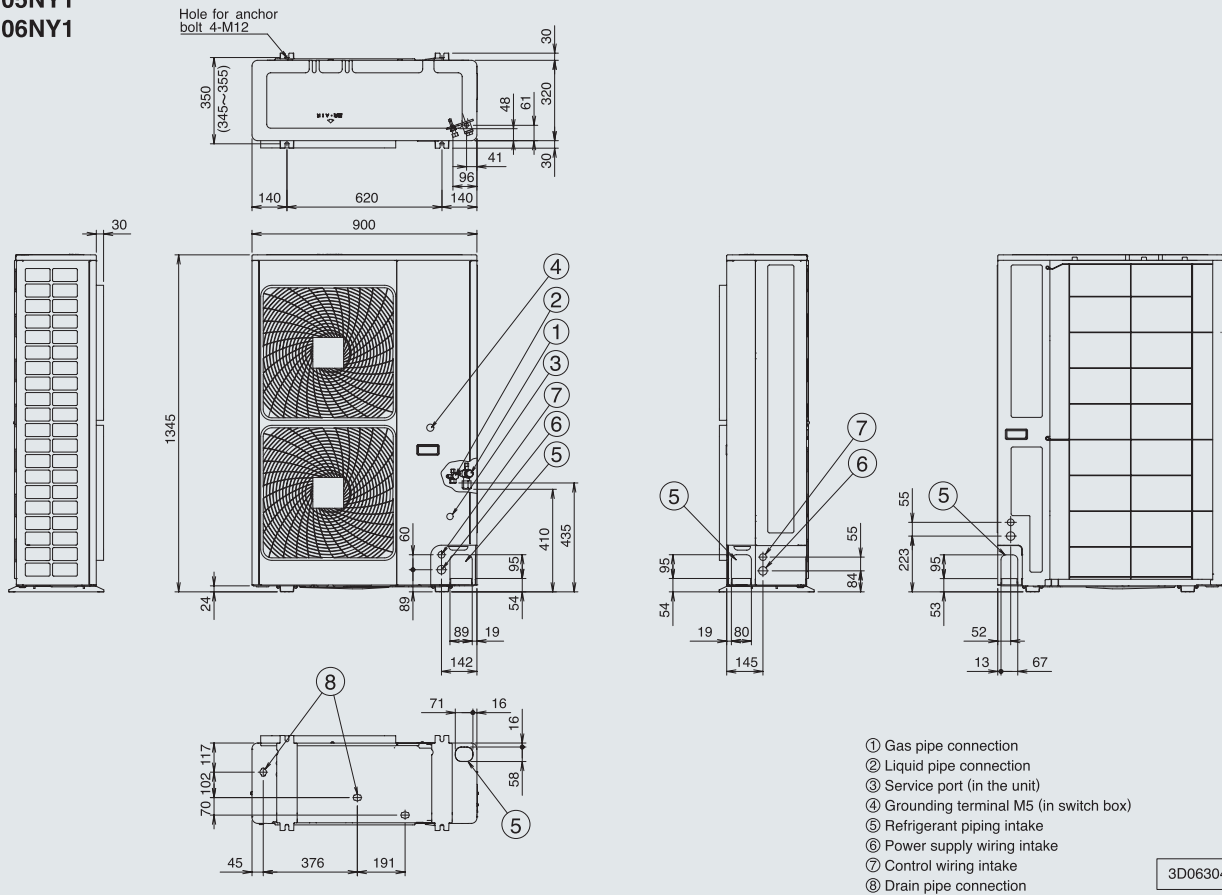


- ① Evaporator air inlet connection
- ② Evaporator air outlet connection
- ③ Liquid pipe connection (J)
- ④ Gas pipe connection (K)
- ⑤ Drain pipe connection (PS 1B Internal thread)
- ⑥ Earth terminal
- ⑦ Power supply intake
- ⑧ The holes for anchor bolts

3D062912A  
3D062913A  
3D062914A

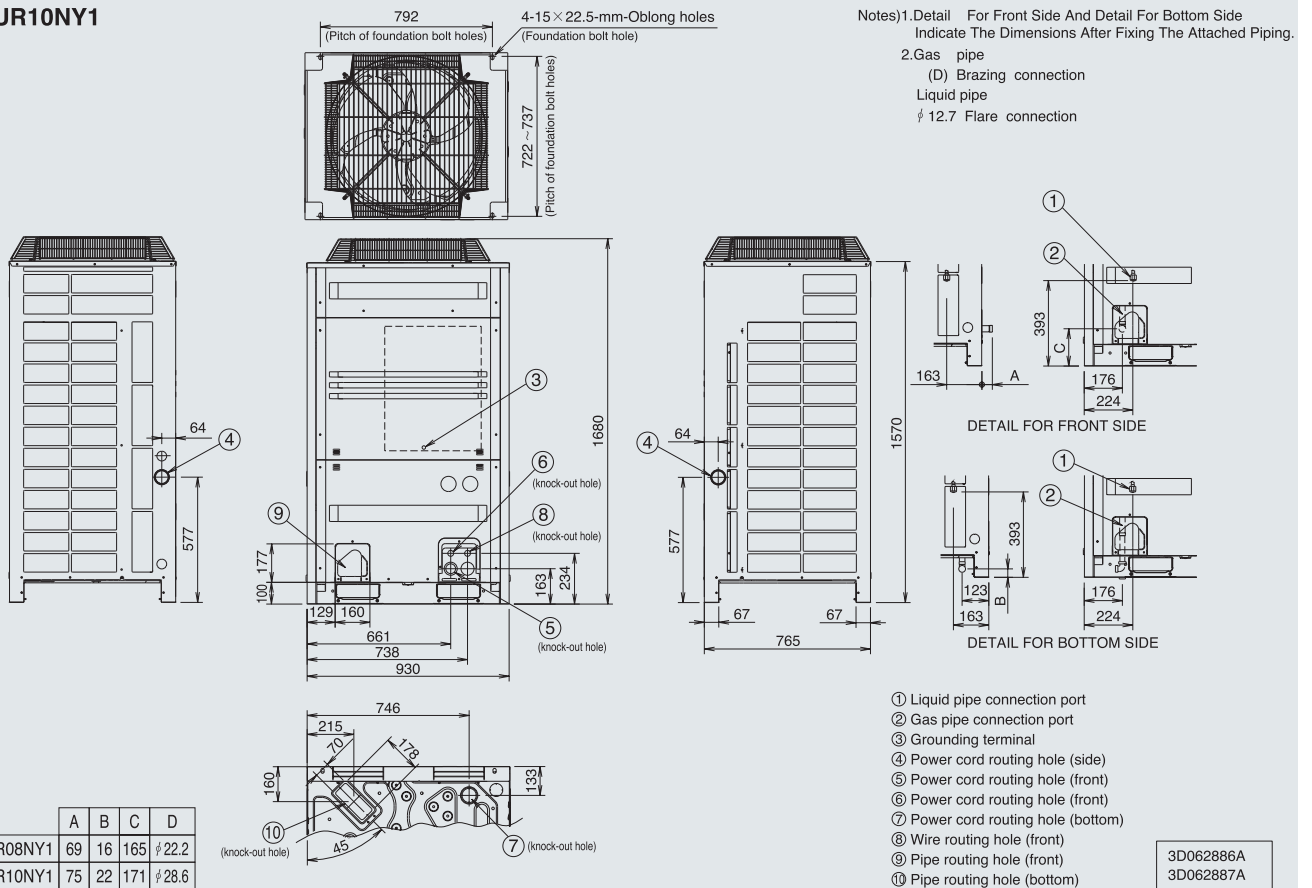
## OUTDOOR UNIT

RUR05NY1  
RUR06NY1



## OUTDOOR UNIT

RUR08NY1  
RUR10NY1

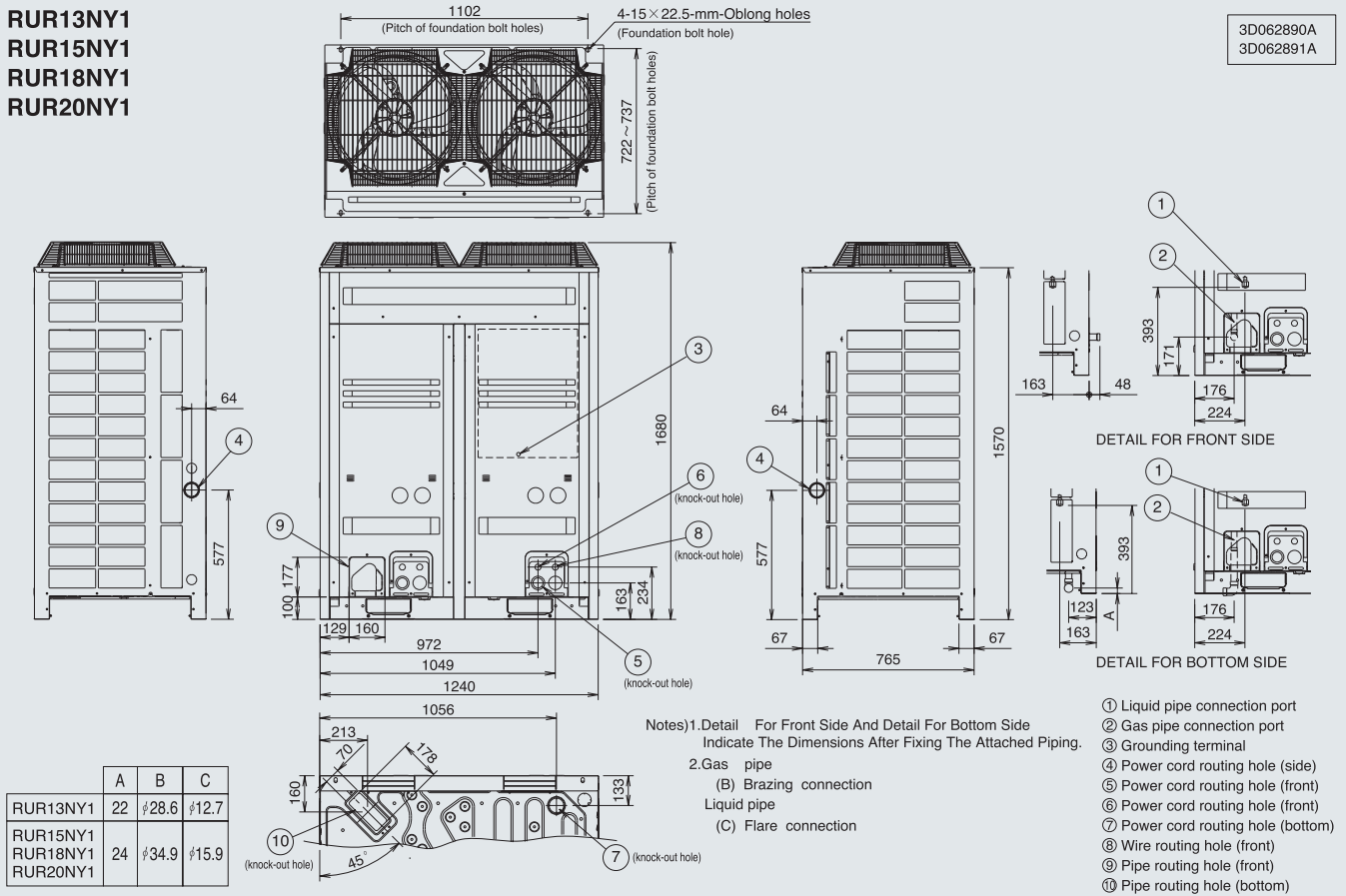


# DIMENSIONS (Unit: mm)

## OUTDOOR UNIT

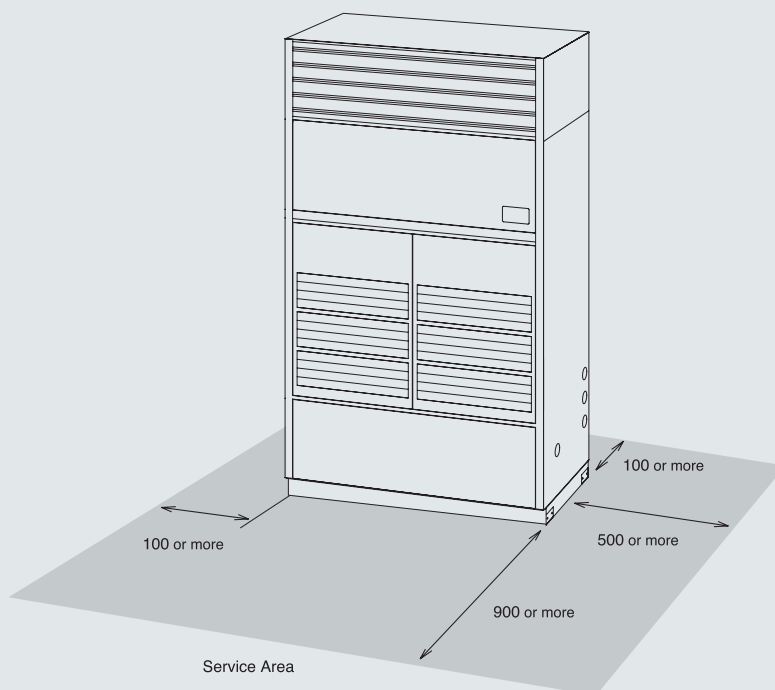
RUR13NY1  
RUR15NY1  
RUR18NY1  
RUR20NY1

3D062890A  
3D062891A

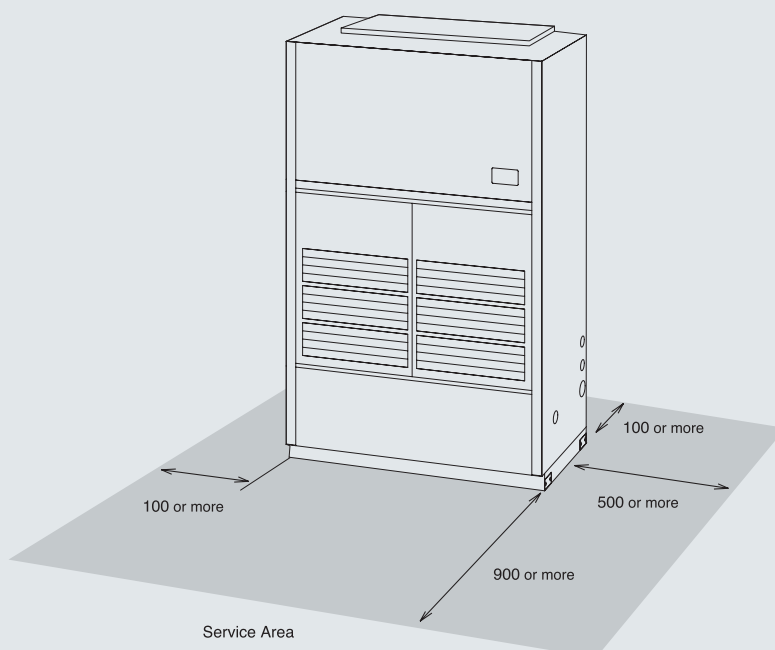




**FVGR05NV1  
FVGR06NV1  
FVGR08NV1  
FVGR10NV1**



**FVPGR10NY1  
FVPGR13NY1  
FVPGR15NY1  
FVPGR18NY1  
FVPGR20NY1**



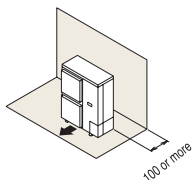
## For RUR05NY1/06NY1

### When there is an obstruction on the inlet side

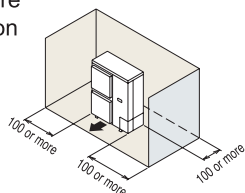
#### When the overhead space is open

##### 1. For single unit installation

When there is an obstruction only on the inlet side

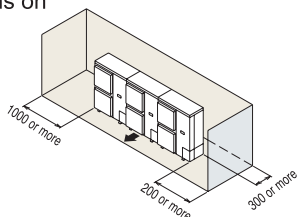


When there are obstructions on both sides



##### 2. For series installation (more than two units)

When there are obstructions on both sides

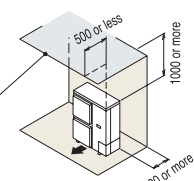


### When there is an obstruction in the overhead space

##### 1. For single unit installation

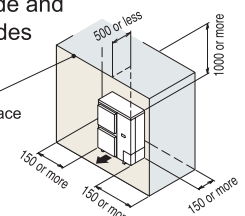
When there is an obstruction on the inlet side

An obstruction in the overhead space



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

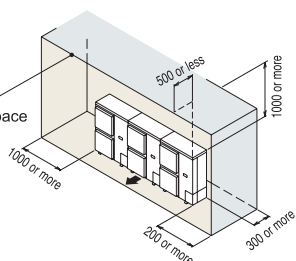
An obstruction in the overhead space



##### 2. For series installation (more than two units)

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

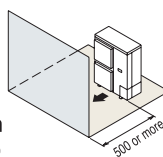
An obstruction in the overhead space



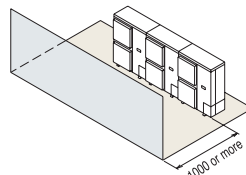
### When there is an obstruction on the outlet side

#### When the overhead space is open

##### 1. For single unit installation



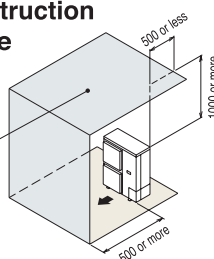
##### 2. For series installation (more than two units)



### When there is an obstruction in the overhead space

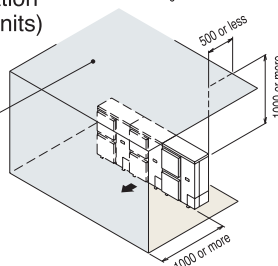
##### 1. For single unit installation

An obstruction in the overhead space



##### 2. For series installation (more than two units)

An obstruction in the overhead space



### When there are obstructions on both the inlet and outlet sides

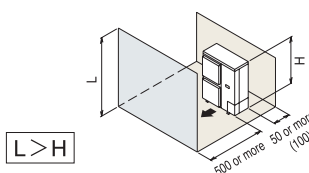
#### Pattern 1

For other patterns, please refer to engineering databook.

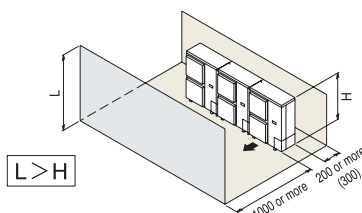
When the obstruction on the outlet side is higher than the unit itself (There is no limit to the height of the obstruction on the outlet side.)

#### When the overhead space is open

##### 1. For single unit installation



##### 2. For series installation (more than two units)

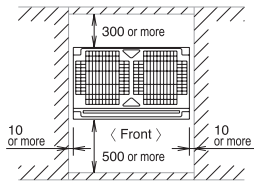


# For RUR08NY1/10NY1/13NY1/15NY1/18NY1/20NY1

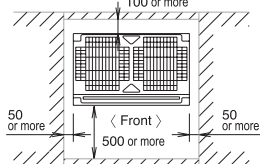
(Please refer to engineering databook for other installation patterns.)

## For single unit installation

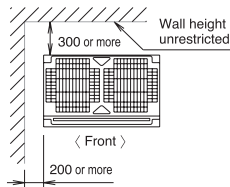
Pattern 1



Pattern 2

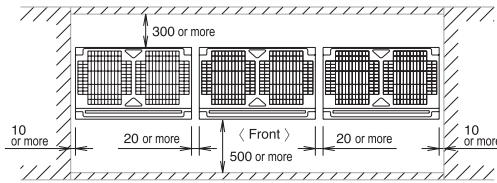


Pattern 3

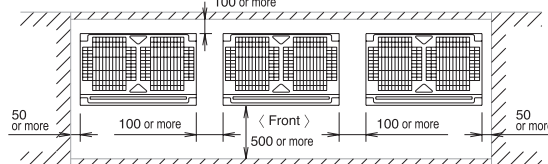


## For installation in rows

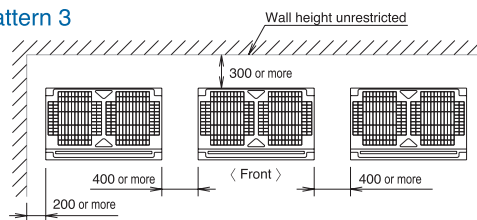
Pattern 1



Pattern 2

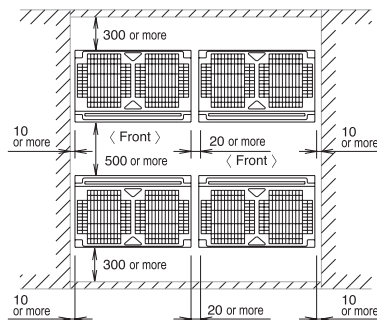
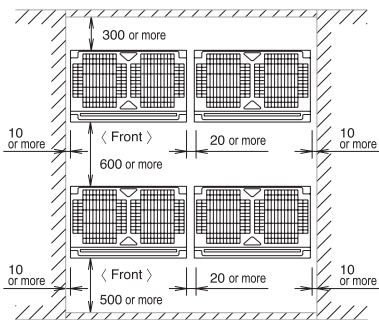


Pattern 3

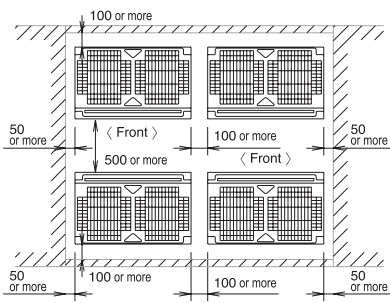
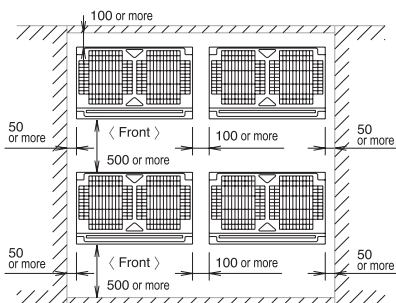


## For centralized group layout

Pattern 1



Pattern 2



< Unit : mm >

### Notes:

<sup>1</sup>Heights of walls in case of Patterns 1 and 2:

Front : 1500 mm

Suction side : 500 mm

Side : Height unrestricted.

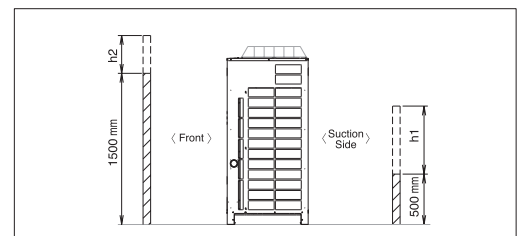
Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space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

<sup>2</sup>If 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.

<sup>3</sup>When 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.

<sup>4</sup>The 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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