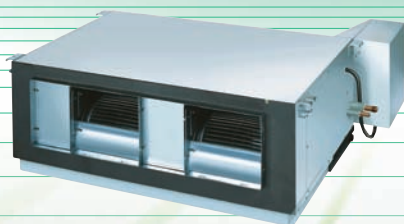


AIR COOLED PACKAGED AIR CONDITIONERS

FLOOR STANDING TYPE
DUCT TYPE

COOLING ONLY 50Hz
HEAT PUMP 50Hz

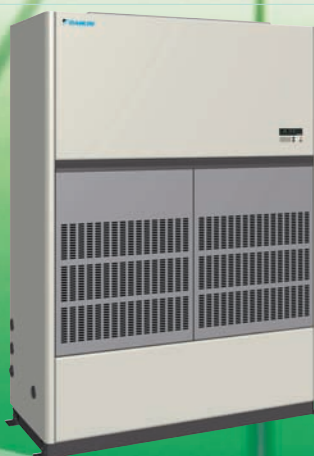
R-22



DUCT TYPE



DIRECT AIR BLOW TYPE



DUCT CONNECTION TYPE

FLOOR STANDING TYPE










*Suitable for
factories*

Comfort in wide spaces







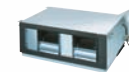







A floor standing air conditioner with large air flow that is suitable for wide spaces. Merits include long refrigerant piping for great freedom of installation .

Product Line Up **R-22**

FLOOR STANDING TYPE **Cooling only**

		HP	5	6	8	10
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
FLOOR STANDING TYPE	DIRECT AIR BLOW TYPE					
	Specifications Page 5 Dimensions Page 13	Indoor unit	FVG05BV1	FVG06BV1	FVG08BV1	FVG10BV1
		Outdoor unit	RU05NY1	RU06NY1	RU08NY1	RU10NY1
	DUCT CONNECTION TYPE					
	Specifications Page 5 Dimensions Page 14	Indoor unit				FVPG10BY1
		Outdoor unit				RU10NY1
OUTDOOR UNIT						
		Dimensions Page 18,19				

DUCT TYPE **Cooling only** **Heat pump**

<div>Capacity^{1,3}</div>	HP	5	6	8	10
	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
<div>DUCT TYPE</div> <div>Cooling only</div> <div>Specifications Page 6</div> <div>Dimensions Page 15,16</div>	Indoor unit	<div>NEW</div> <div></div> <div>FD05KAY1</div>	<div>NEW</div> <div></div> <div>FD06KAY1</div>	<div>NEW</div> <div></div> <div>FD08KAY1</div>	<div>NEW</div> <div></div> <div>FD10KAY1</div>
	Outdoor unit	RU05NY1	RU06NY1	RU08NY1	RU10NY1
<div>Capacity^{2,3}</div> <div>(Cooling /Heating)</div>	kW		14.5/15.3	22.5/23.1	27.6/29.4
	Btu/h		49,500/52,200	76,800/78,800	94,200/100,300
	kcal/h		12,500/13,200	19,300/19,900	23,700/25,300
<div>DUCT TYPE</div> <div>Heat pump</div> <div>Specifications Page 7</div> <div>Dimensions Page 17</div>	Indoor unit		<div></div> <div>FDY06KAY1</div>	<div></div> <div>FDY08KAY1</div>	<div></div> <div>FDY10KAY1</div>
	Outdoor unit		RY140LUY1	RY200KUY1	RY250KUY1
<div>OUTDOOR UNIT</div> <div>Dimensions Page 18,19</div>		<div>NEW</div> <div></div> <div>RU05NY1</div>	<div>NEW</div> <div></div> <div>RU06NY1 RY140LUY1</div>	<div>NEW</div> <div></div> <div>RU08NY1 RY200KUY1</div>	<div>NEW</div> <div></div> <div>RU10NY1 RY250KUY1</div>

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).

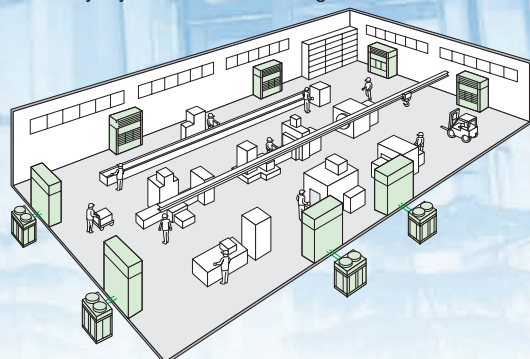
²Rated heating capacities are based on the following conditions: Return air temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal).

³Capacity 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.



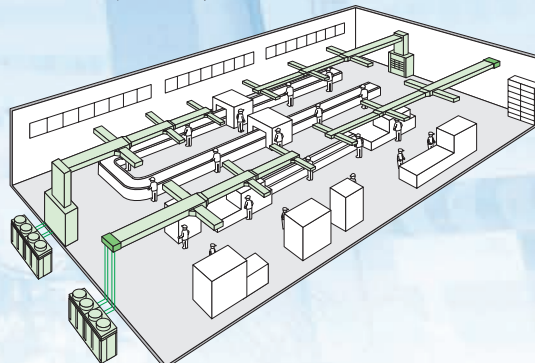
DUCT CONNECTION TYPE

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
NEW		NEW		NEW
	FVPG13BY1	FVPG15BY1	FVPG18BY1	FVPG20BY1
	RU13NY1	RU15NY1	RU18NY1	RU20NY1
NEW		NEW		NEW

Nice,
cool air in the factory
or in the cafeteria



50Hz

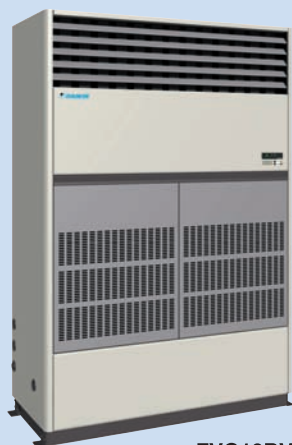
	13	15	18	20
	35.2	46.9	52.8	58.6
	120,000	160,000	180,000	200,000
	30,200	40,300	45,400	50,400
NEW		NEW	NEW	NEW
	FD13KAY1	FD15KAY1	FD18KAY1	FD20KAY1
	RU13NY1	RU15NY1	RU18NY1	RU20NY1
		44.0/44.6		53.9/56.6
		150,000/152,000		184,000/193,000
		37,800/38,400		46,400/48,700
				
		FDY15KAY1		FDY20KAY1
		RY200KUY1 x 2		RY250KUY1 x 2
NEW		NEW	NEW	NEW
	RU13NY1	RU15NY1 RY200KUY1 x 2	RU18NY1	RU20NY1 RY250KUY1 x 2

NEW Indicates new capacity model. **NEW** Indicates new design model.



■ FLOOR STANDING TYPE

DIRECT AIR BLOW TYPE



FVG10BV1



RU10NY1

DUCT CONNECTION TYPE



FVPG10BY1

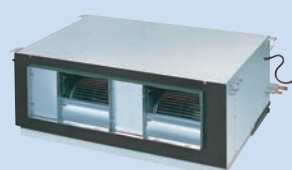


RU10NY1

Rounded design of indoor unit



■ DUCT TYPE



FD10KAY1



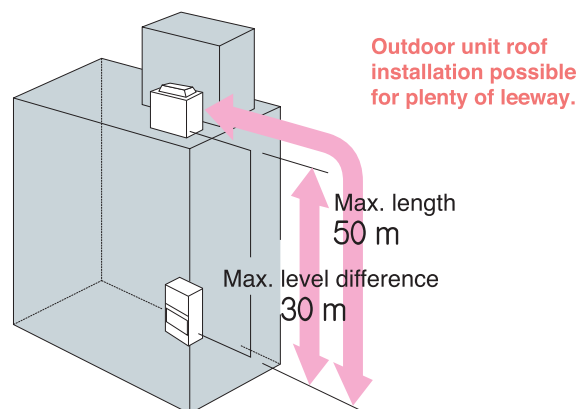
RU10NY1

Easy installation

Easy installation

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

All models are factory shipped with refrigerant charged for 7.5 metres of piping. (Applies to RU05N–20N)

■ Allowable refrigerant pipe length and level difference

	Pre-charged ¹	Max. length	Max. level difference
RU05NY1 RU06NY1 RU08NY1 RU10NY1 RU13NY1 RU15NY1 RU18NY1 RU20NY1	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.

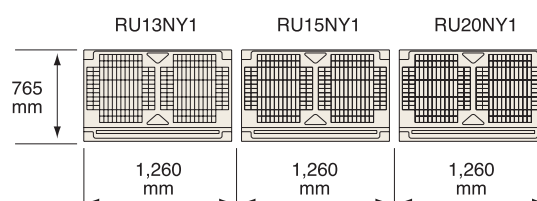
4-direction piping affords more freedom of layout

(Applies to RU05N/06N)

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

In case of RU08-20N piping can be drawn out in two directions-front, and under side.

RU10-20N models can be combined for centralized, horizontal-series installation



on and great reliability.

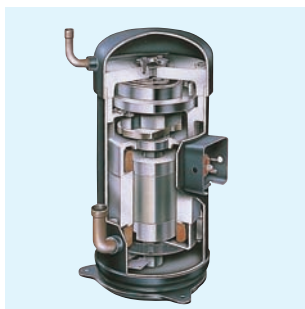
Cooling only

Quiet Operation

Equipped with scroll compressor for quiet operation.

Smooth running, low vibration, low operating sound.

Outdoor unit	Sound level	
	380V	415V
RU05NY1	59 dB	60 dB
RU06NY1	59 dB	60 dB

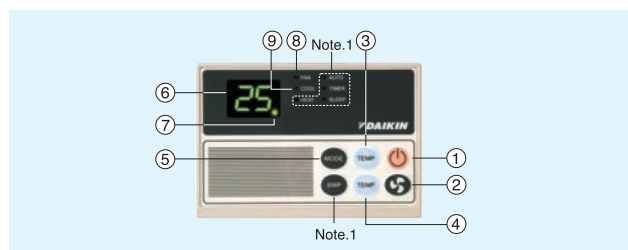


Easy operation

Digital remote control comes standard with indoor unit.

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

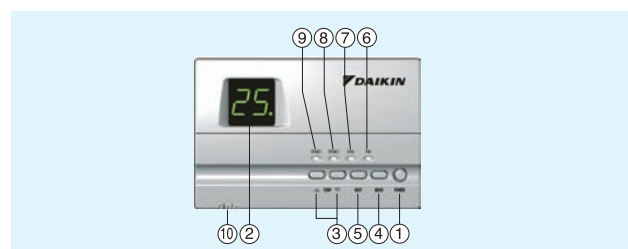
Floor standing type (Standard accessory)



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

Note.1 It cannot be used for FVPG10-20BY1

Duct type (optional accessory)



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

Modification possible

The fan motor and pulley can be changed in accordance with the static pressure required at a particular site.

(Applies to Duct connection type)

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.

Construction	Non-treated fin		← Aluminium
	PE fin		← Hydrophilic film ← Aluminium ← Corrosion resistant acrylic resin

Space savings

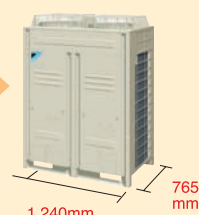
Installation space is saved thanks to a more compact outdoor unit. This also makes it easier to install.

53%
space saved
compared to
previous model

Previous 20HP outdoor unit
RUG10AU1 × 2



NEW
RU20NY1
(20HP)



SPECIFICATIONS

■ FLOOR STANDING TYPE Cooling only

DIRECT AIR BLOW TYPE

Model Name			Indoor unit		5HP		6HP		8HP		10HP	
			Outdoor unit		FVG05BV1		FVG06BV1		FVG08BV1		FVG10BV1	
					RU05NY1		RU06NY1		RU08NY1		RU10NY1	
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	
Indoor unit	Colour				Ivory white							
	Air flow rate (H)		m ³ /min		42		42		63		80	
			cfm		1,480		1,480		2,230		2,830	
	Fan	Drive			Direct Drive 3 Speed							
	Sound level (H/L) ²		dBA		59/50				60/51		61/52	
	Dimensions (H×W×D)		mm		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 SE56P				MINERAL					
		Charge	L	1.4		2.5		3.3		3.3		
	Refrigerant charge (R-22)		kg		2.7(Charged for 7.5 m)		3.3(Charged for 7.5 m)		5.2(Charged for 7.5 m)		6.0(Charged for 7.5 m)	
	Sound level ² (380V/415V)		dBA		59/60		59/60		60/61		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	mm	ø 9.5 (Brazing)				ø 12.7 (Brazing)				
		Gas	mm	ø 19.1 (Brazing)				ø 22.2 (Brazing)		ø 28.6 (Brazing)		
		Drain	mm	PS 1B Internal thread								
	Outdoor unit	Liquid	mm	ø 9.5 (Flare)				ø 12.7 (Flare)				
		Gas	mm	ø 19.1 (Flare)				ø 22.2 (Brazing)		ø 28.6 (Brazing)		
		Drain	mm	ø 26.0 (Hole)								
Max. interunit piping length			m		50 (equivalent length 70 m)							
Max. installation level difference			m		30							

■ FLOOR STANDING TYPE Cooling only

DUCT CONNECTION TYPE

				10HP	13HP	15HP	18HP	20HP	
Model Name	Indoor unit			FVPG10BY1	FVPG13BY1	FVPG15BY1	FVPG18BY1	FVPG20BY1	
	Outdoor unit			RU10NY1	RU13NY1	RU15NY1	RU18NY1	RU20NY1	
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
Power consumption ¹				kW	11.4	14.9	17.8	21.2	24.8
Indoor unit	Colour			Ivory white					
	Air flow rate (H)		m ³ /min	80	120	120	162	162	
			cfm	2,830	4,240	4,240	5,720	5,720	
	Fan	Drive	Belt Drive						
		Ext. Static Pressure	mmH ₂ O	15	15	15	15	15	
	Sound level ²		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	1,870×1,470×720	
	Machine weight		kg	150	180	180	240	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	MINERAL						
		Charge	L	3.3	3.3	6.5	6.5	6.5	
	Refrigerant charge (R-22)		kg	6.0(Charged for 7.5 m)	5.0(Charged for 7.5 m)	7.5(Charged for 7.5 m)	8.0(Charged for 7.5 m)	9.0(Charged for 7.5 m)	
	Sound level ² (380V/415V)		dBA	61/62	61/62	62/63	63/64	63/64	
	Dimensions (H×W×D)		mm	1,680×1,240×765					
	Machine weight		kg	206	243	319	322	329	
	Operation range		°CDB	21 to 46					
Refrigerant Piping	Indoor unit	Liquid	mm	ø 12.7 (Brazing)		ø 15.9 (Brazing)			
		Gas	mm	ø 28.6 (Brazing)		ø 34.9 (Brazing)			
		Drain	mm	PS 1B Internal thread					
	Outdoor unit	Liquid	mm	ø 12.7 (Flare)		ø 15.9 (Flare)			
		Gas	mm	ø 28.6 (Brazing)		ø 34.9 (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:

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 Cooling only

			5HP	6HP	8HP	10HP	
Model Name	Indoor unit		FD05KAY1	FD06KAY1	FD08KAY1	FD10KAY1	
	Outdoor unit		RU05NY1	RU06NY1	RU08NY1	RU10NY1	
Power supply			380—415 V, 50 Hz, 3 phase, 4 Wires				
Cooling capacity ^{1,3}			kW	14.7	17.6	23.5	
			Btu/h	50,000	60,000	80,000	
			kcal/h	12,600	15,100	20,200	
Power consumption ¹			kW	5.6	6.5	9.0	
Indoor unit	Colour		Galvanize steel				
	Airflow rate (H)		m ³ /min	46	54	68	
			cfm	1,620	1,910	2,400	
	Fan	External static pressure	mmH ₂ O	9		10	
		Driving system		Belt drive			
	Sound level (H) ²		dB(A)	49	51		
	Dimensions (H×W×D)		mm	450×900×850	450×1,130×850	500×1,130×850	
	Machine weight		kg	72	79	93	
Operation range			°CWB				
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	4.5	4.5	6.7	
	Refrigerant oil	Model	DAPHNE SE56P				
		Charge	L	1.4	2.5	3.3	
	Refrigerant charge (R-22)		kg	2.7 (Charged for 7.5 m)	3.3 (Charged for 7.5 m)	5.2 (Charged for 7.5 m)	
	Sound level ² (380V/415V)		dB(A)	59/60	59/60	60/61	
	Dimensions (H×W×D)		mm	1,345×900×320			
	Machine weight		kg	92	105	203	
	Operation range			°CDB			
Piping connections	Indoor unit	Liquid	mm	ø9.5(Brazing)		ø12.7(Brazing)	
		Gas	mm	ø19.1(Brazing)		ø22.2(Brazing)	
		Drain		PS 3/4B 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)			
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			

				13HP	15HP	18HP	20HP
Model Name	Indoor unit			FD13KAY1	FD15KAY1	FD18KAY1	FD20KAY1
	Outdoor unit			RU13NY1	RU15NY1	RU18NY1	RU20NY1
Power supply				380—415 V, 50 Hz, 3 phase, 4 Wires			
Cooling capacity ^{1, 3}				kW	35.2	46.9	52.8
				Btu/h	120,000	160,000	180,000
				kcal/h	30,200	40,300	45,400
Power consumption ¹				kW	15.0	17.9	21.5
Indoor unit	Colour			Galvanize steel			
	Airflow rate (H)		m ³ /min	136		166	
			cfm	4,800		5,860	
	Fan	External static pressure	mmH ₂ O	15			
		Driving system			Belt drive		
	Sound level (H) ²		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			
Outdoor unit	Colour			14 to 25			
	Compressor			Ivory white			
	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 oil	Model	MINERAL				
		Charge	L	3.3	6.5		
	Refrigerant charge (R-22)		kg	5.0 (Charged for 7.5 m)	7.5 (Charged for 7.5 m)	8.0 (Charged for 7.5 m)	9.0 (Charged for 7.5 m)
	Sound level ² (380V/415V)		dB(A)	61/62	62/63	63/64	63/64
	Dimensions (H×W×D)		mm	1,680×1,240×765			
	Machine weight		kg	243	319	322	329
Operation range				°CDB			
Piping connections	Indoor unit	Liquid	mm	ø 12.7(Brazing)		ø 15.9(Brazing)	
		Gas	mm	ø 28.6(Brazing)		ø 34.9(Brazing)	
		Drain	mm	PS 1B Internal thread			
	Outdoor unit	Liquid	mm	ø 12.7(Flare)		ø 15.9(Flare)	
		Gas	mm	ø 28.6(Brazing)		ø 34.9(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.

SPECIFICATIONS

DUCT TYPE Heat pump

			6HP	8HP	10HP	15HP	20HP		
Model Name	Indoor unit		FDY06KAY1	FDY08KAY1	FDY10KAY1	FDY15KAY1	FDY20KAY1		
	Outdoor unit		RY140LUY1	RY200KUY1	RY250KUY1	RY200KUY1×2	RY250KUY1×2		
Power supply			380~415 V, 50 Hz, 3 phase, 4 wires						
Cooling capacity ¹		kW	14.5	22.5	27.6	44.0	53.9		
		Btu/h	49,500	76,800	94,200	150,000	184,000		
		kcal/h	12,500	19,300	23,700	37,800	46,400		
Heating capacity ²		kW	15.3	23.1	29.4	44.6	56.6		
		Btu/h	52,200	78,800	100,300	152,000	193,000		
		kcal/h	13,200	19,900	25,300	38,400	48,700		
Power consumption		Cooling ¹	kW	5.14	7.2	9.3	14.4	18.5	
		Heating ²	kW	4.54	6.1	8.8	12.2	17.6	
Indoor unit	Colour		—						
	Airflow rate (H)		m ³ /min	52	68	83	136	166	
			cfm	1,835	2,400	2,930	4,800	5,860	
	Fan	External static pressure	Pa	108	118		147		
		Driving system		Belt drive					
	Sound level (H) ³		dB(A)	51		53	58	60	
	Dimensions(H×W×D) ⁵		mm	450×1,130×850	500×1,130×850	500×1,330×850	625×1,620×850	625×1,980×850	
	Machine weight		kg	80	94	105	161	187	
	Operation range	Cooling	°CWB	12 to 25	14 to 25				
		Heating	°CDB	15 to 27					
Outdoor unit	Colour		Ivory white						
	Compressor	Type	Hermetically sealed scroll type						
		Motor output	kW	4.5	5.5	9.0	5.5×2	9.0×2	
	Refrigerant oil	Model	SUNISO 4GSDID-K						
		Charge	L	1.6	3.0	3.0	3.0×2	3.0×2	
	Refrigerant charge (R-22)		kg	4.1 (Charged for 30 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)	4.0 (Charged for 5 m)×2	5.5 (Charged for 5 m)×2	
	Sound level (Cooling/Heating) ³		dB(A)	54/56	60/62	61/63	60/62 ⁴	61/63 ⁴	
	Dimensions (H×W×D)		mm	1,345×900×320	1,220×1,280×690	1,440×1,280×690	(1,220×1,280×690)×2	(1,440×1,280×690)×2	
	Machine weight		kg	112	180	206	180×2	206×2	
	Operation range	Cooling	°CDB	-5 to 46	0 to 50				
		Heating	°CWB	-10 to 15					
	Piping connections	Liquid (Flare)		mm	φ9.5	φ12.7	φ15.9	φ12.7×2	φ15.9×2
		Gas		mm	φ19.1 (Flare)	φ25.4 (Flange)	φ28.6 (Flange)	φ25.4×2 (Flange)	φ28.6×2 (Flange)
Indoor unit		Drain	mm	3/4B				1B	
Outdoor unit			mm	φ26.0 (Hole)				—	
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). (RY140LU is 7.5 m.)

²Rated heating capacities are based on the following conditions:

Suction temp., 21°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY140LU is 7.5 m.)

³Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

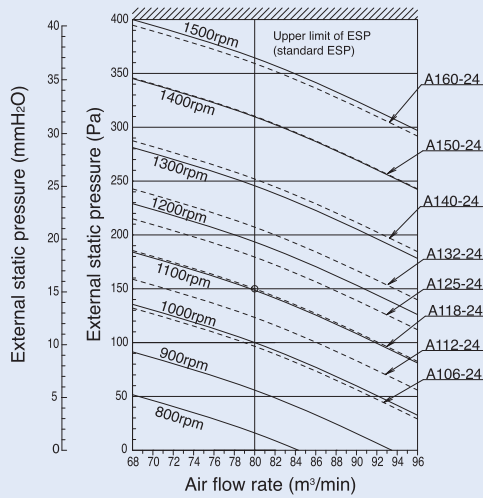
⁴Specification for outdoor unit is for a single unit only.

⁵Without control box.

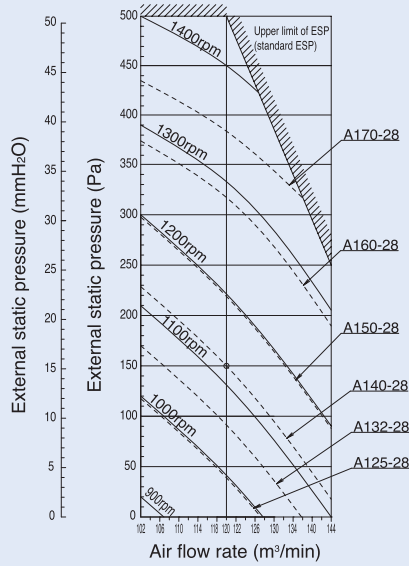
Fan Performance

FLOOR STANDING TYPE DUCT CONNECTION TYPE

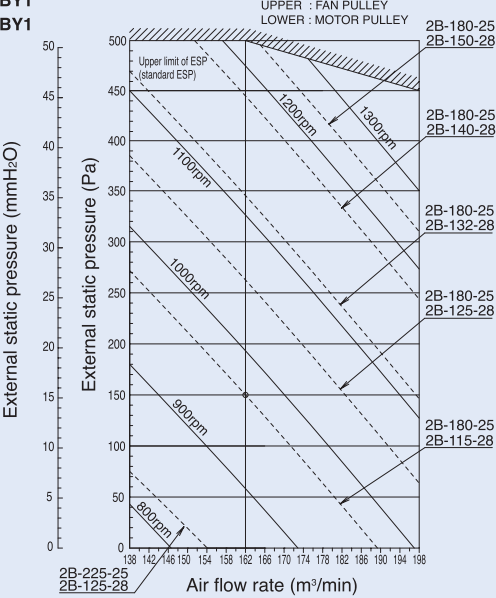
FVPG10BY1



FVPG13BY1
FVPG15BY1



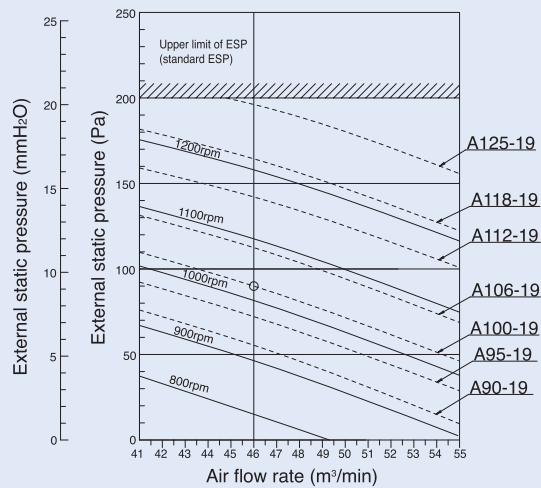
FVPG18BY1
FVPG20BY1



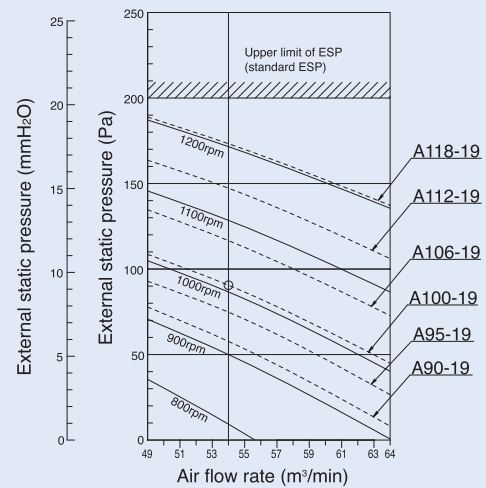
Fan Performance

DUCT TYPE

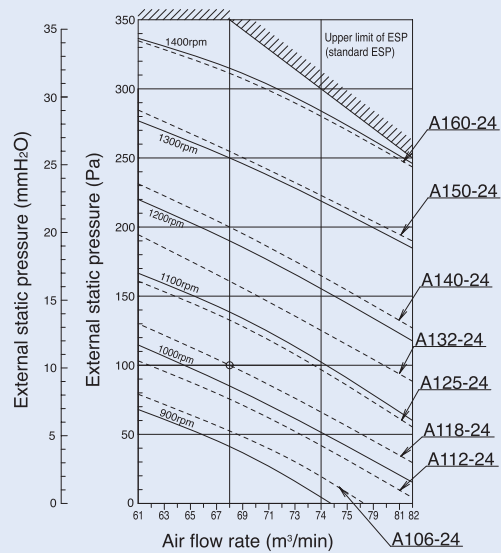
FD05KAY1



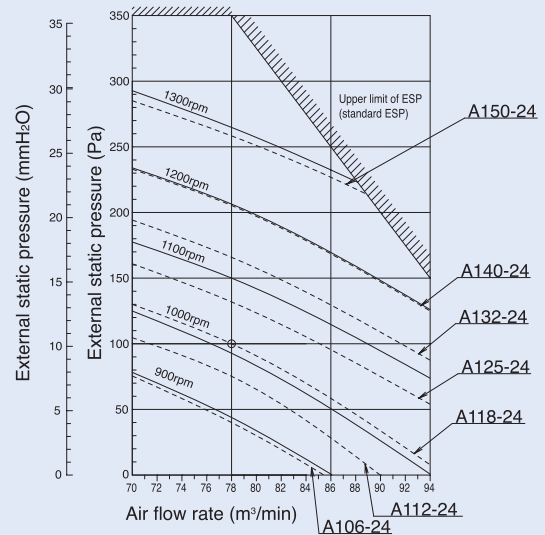
FD06KAY1



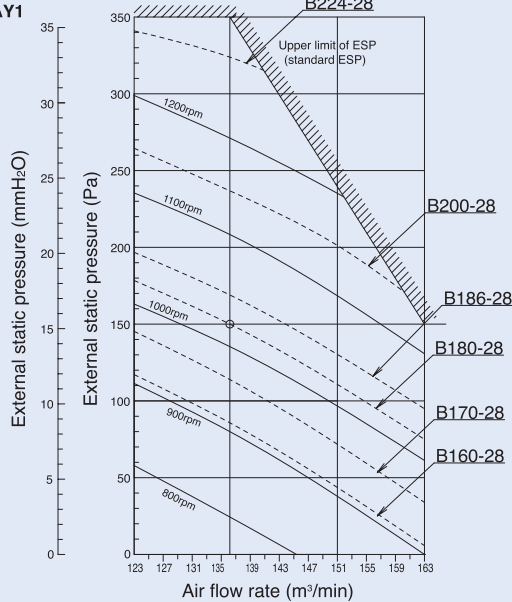
FD08KAY1



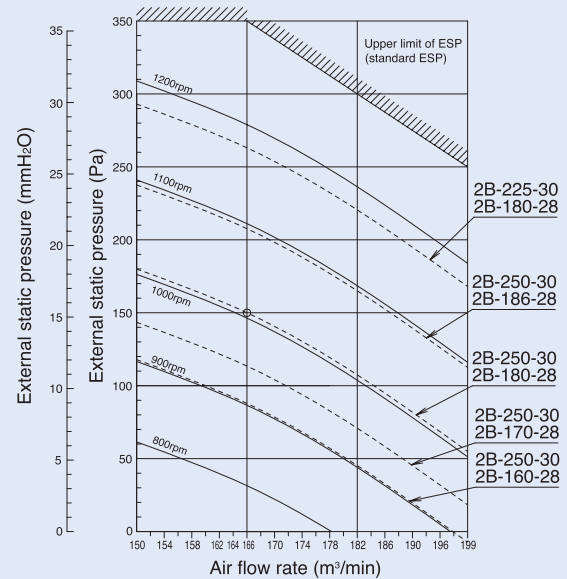
FD10KAY1



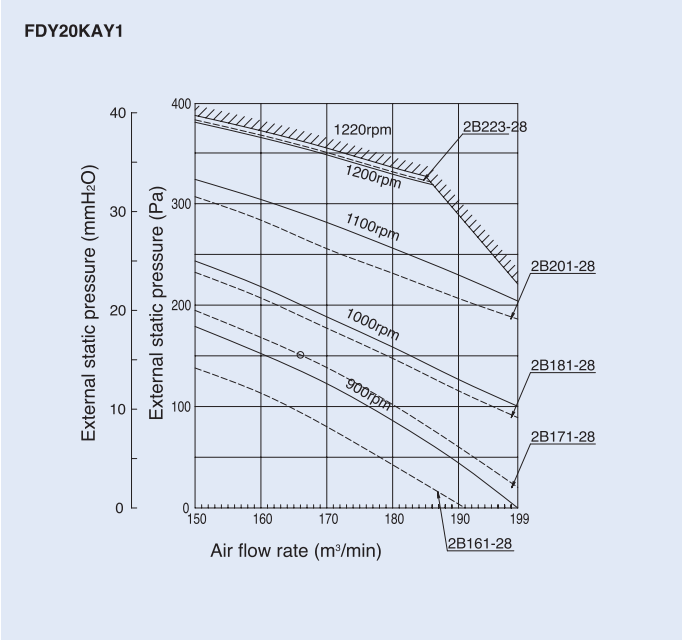
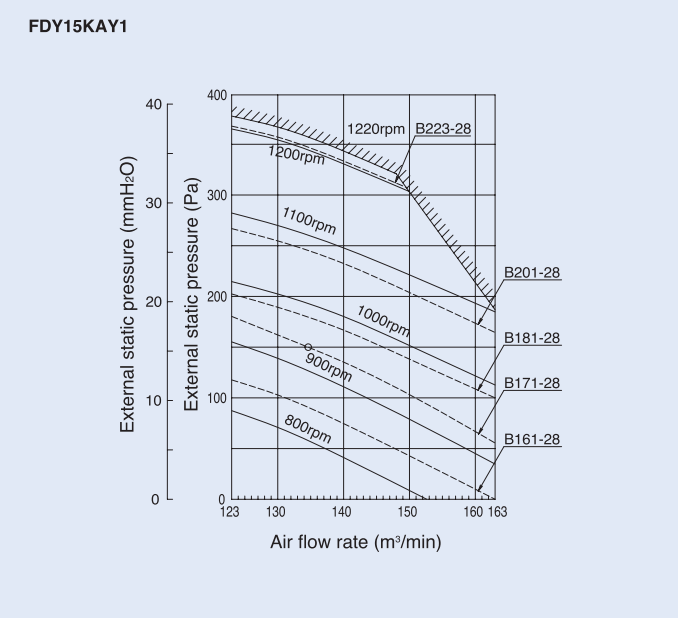
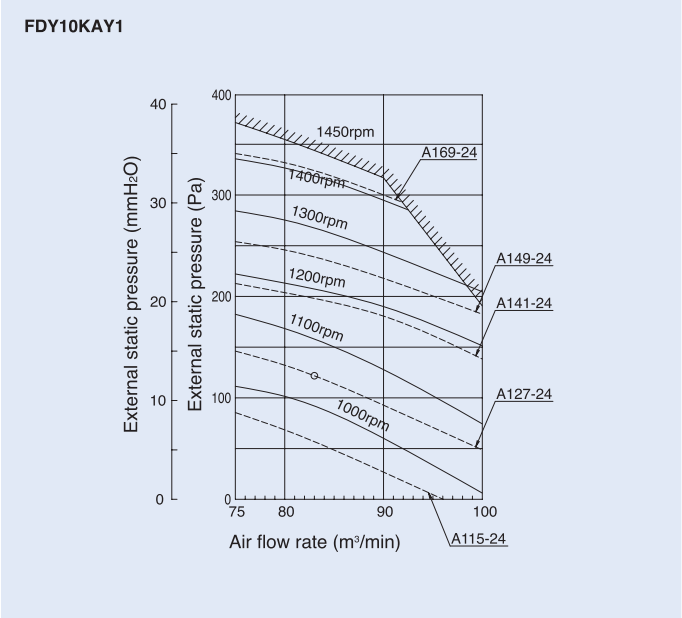
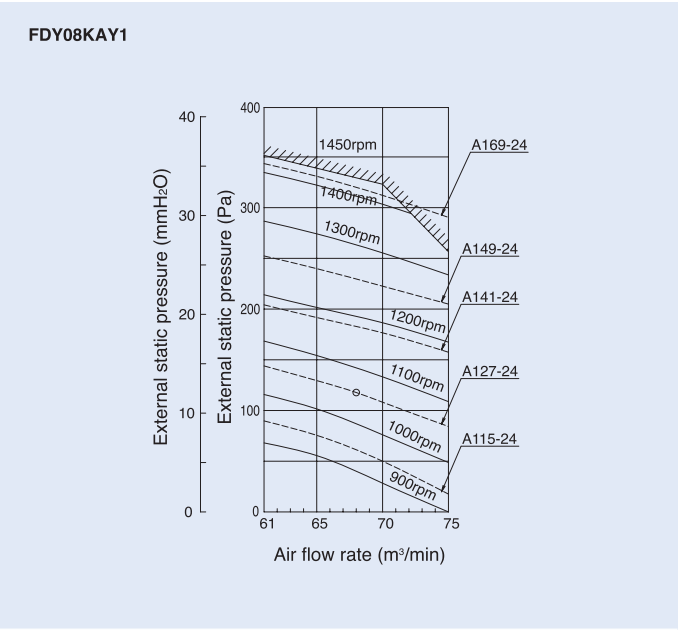
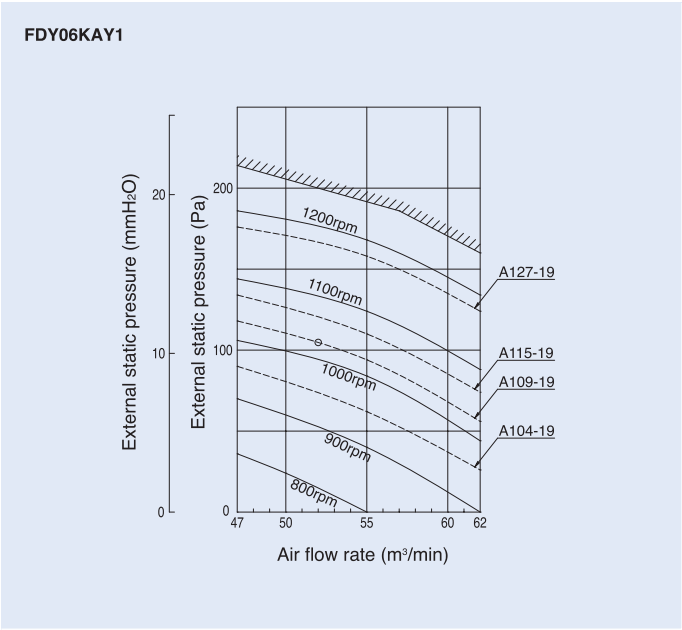
FD13KAY1
FD15KAY1



FD18KAY1
FD20KAY1



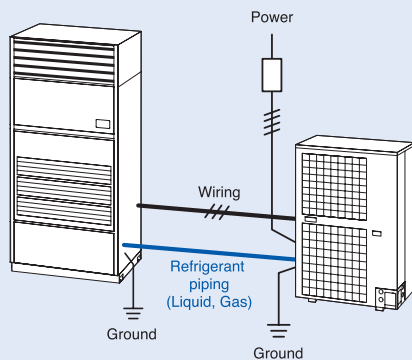
DUCT TYPE



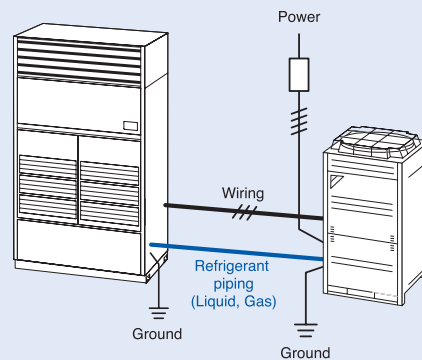
Wiring and Piping

■ FLOOR STANDING TYPE DIRECT AIR BLOW TYPE

FVG05B/06B
RU05N/06N

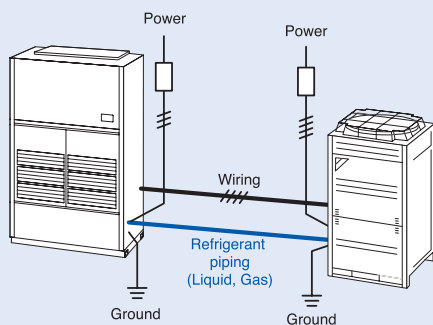


FVG08B/10B
RU08N/10N

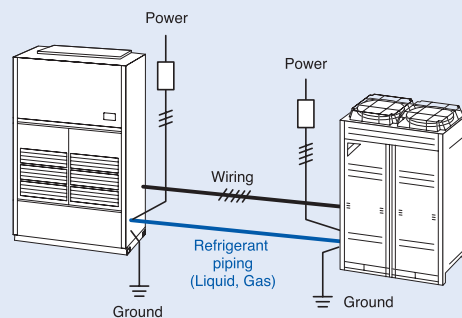


■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

FVPG10B
RU10N

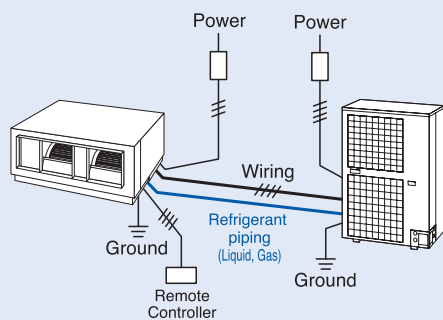


FVPG13B/15B/18B/20B
RU13N/15N/18N/20N

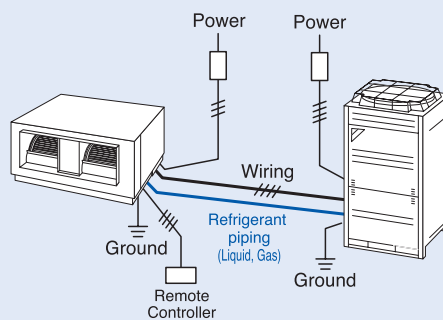


DUCT TYPE

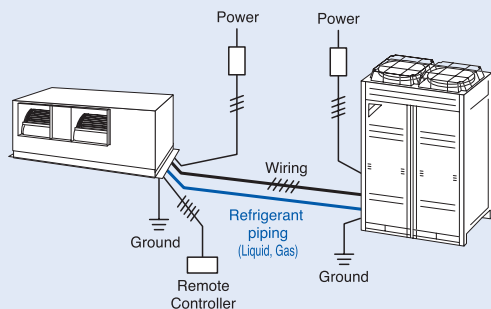
**FD05KA/06KA
RU05N/06N**



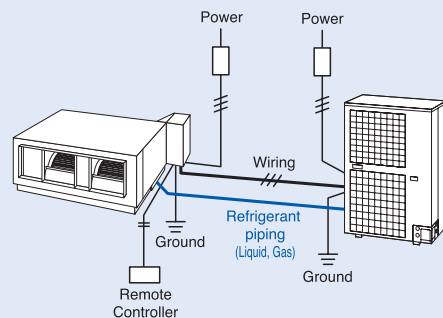
**FD08KA/10KA
RU08N/10N**



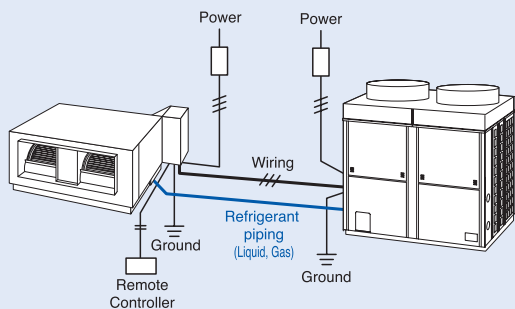
**FD13KA/15KA/18KA/20KA
RU13N/15N/18N/20N**



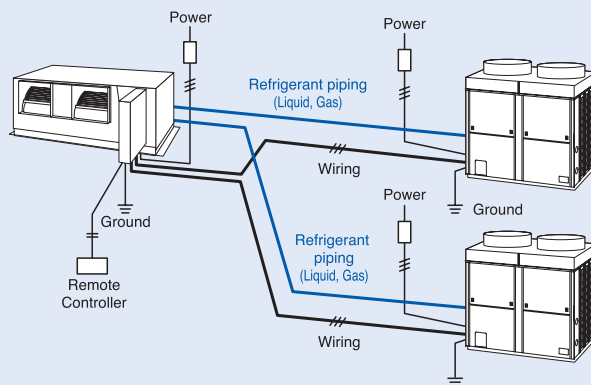
**FDY06KA
RY140LU**



**FDY08KA/10KA
RY200KU/250KU**



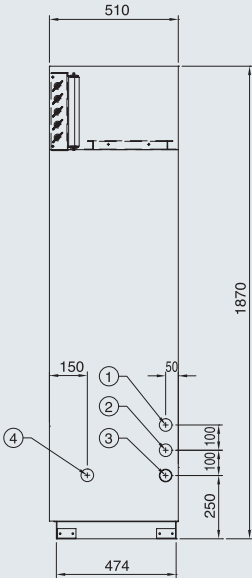
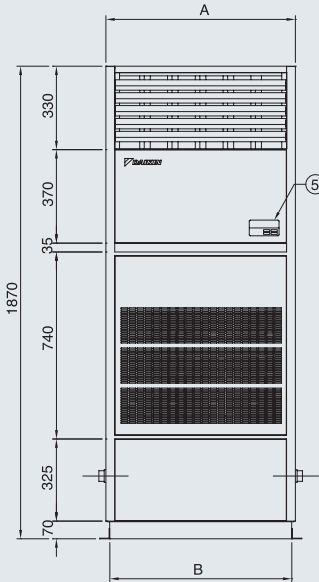
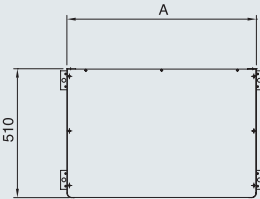
**FDY15KA/20KA
RY200KU×2/250KU×2**



FLOOR STANDING TYPE

DIRECT AIR BLOW TYPE

FVG05BV1
FVG06BV1
FVG08BV1



	A	B	C	D
FVG05BV1	750	720	ø 9.5	ø 19.1
FVG06BV1	750	720	ø 9.5	ø 19.1
FVG08BV1	950	920	ø 12.7	ø 22.2

① Liquid pipe conn. (C) C1220T brazing

② Gas pipe conn. (D) C1220T brazing

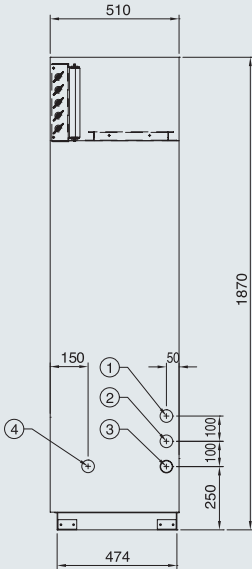
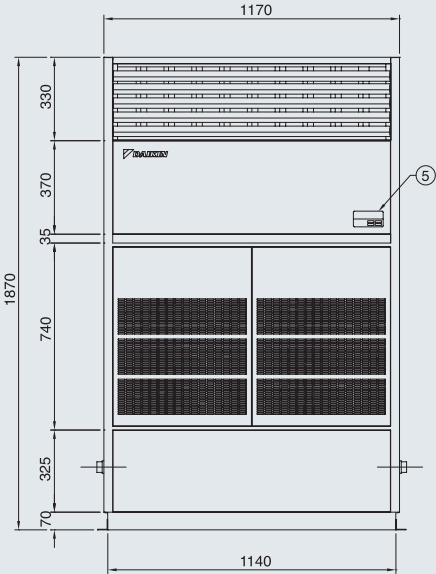
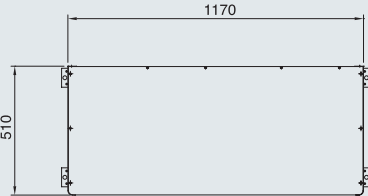
③ Upper drain outlet (PS 1B Internal thread)

④ Power supply & control wire intake

⑤ Digital remote controller

SDR3150151
SDR3150152
SDR3150153

FVG10BV1



① Liquid pipe conn. (ø 12.7) C1220T brazing

② Gas pipe conn. (ø 28.6) C1220T brazing

③ Upper drain outlet (PS 1B Internal thread)

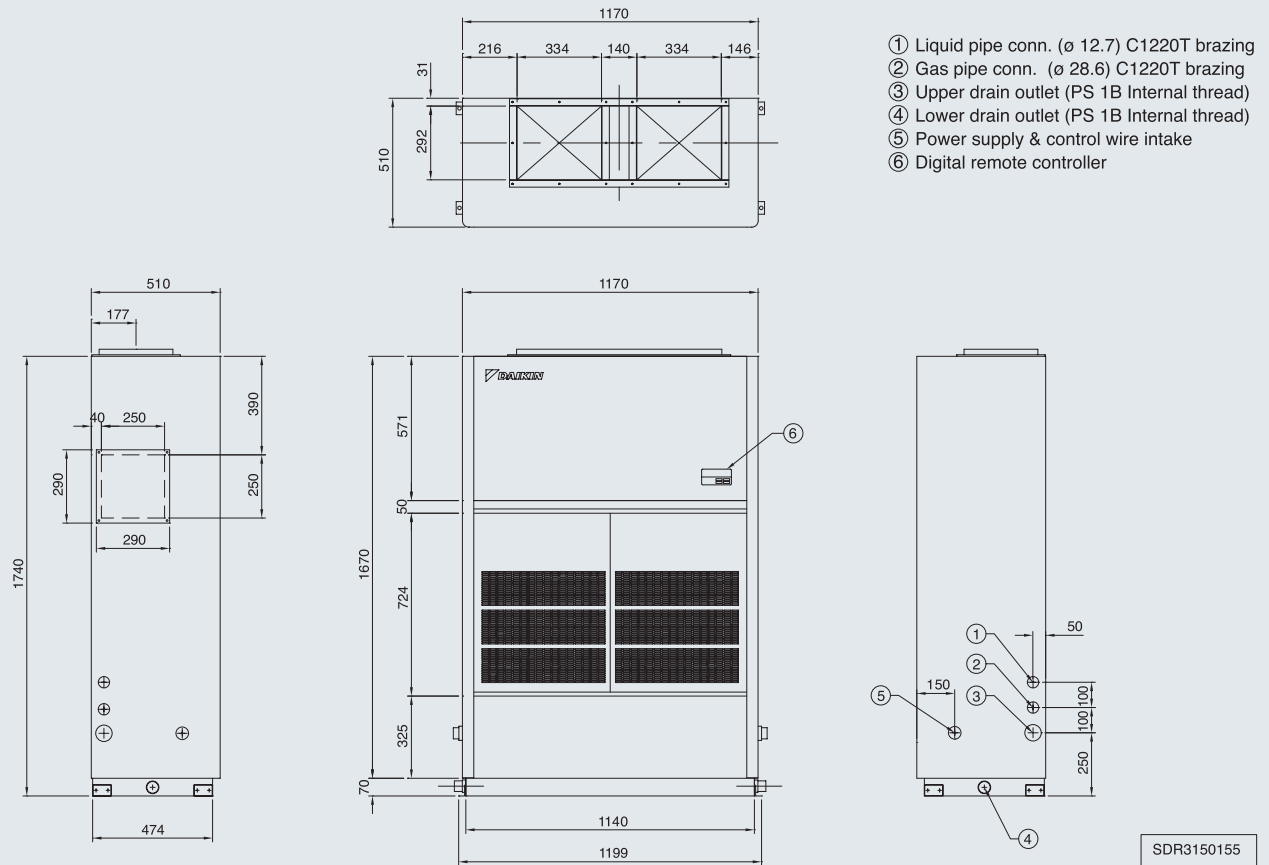
④ Power supply & control wire intake

⑤ Digital remote controller

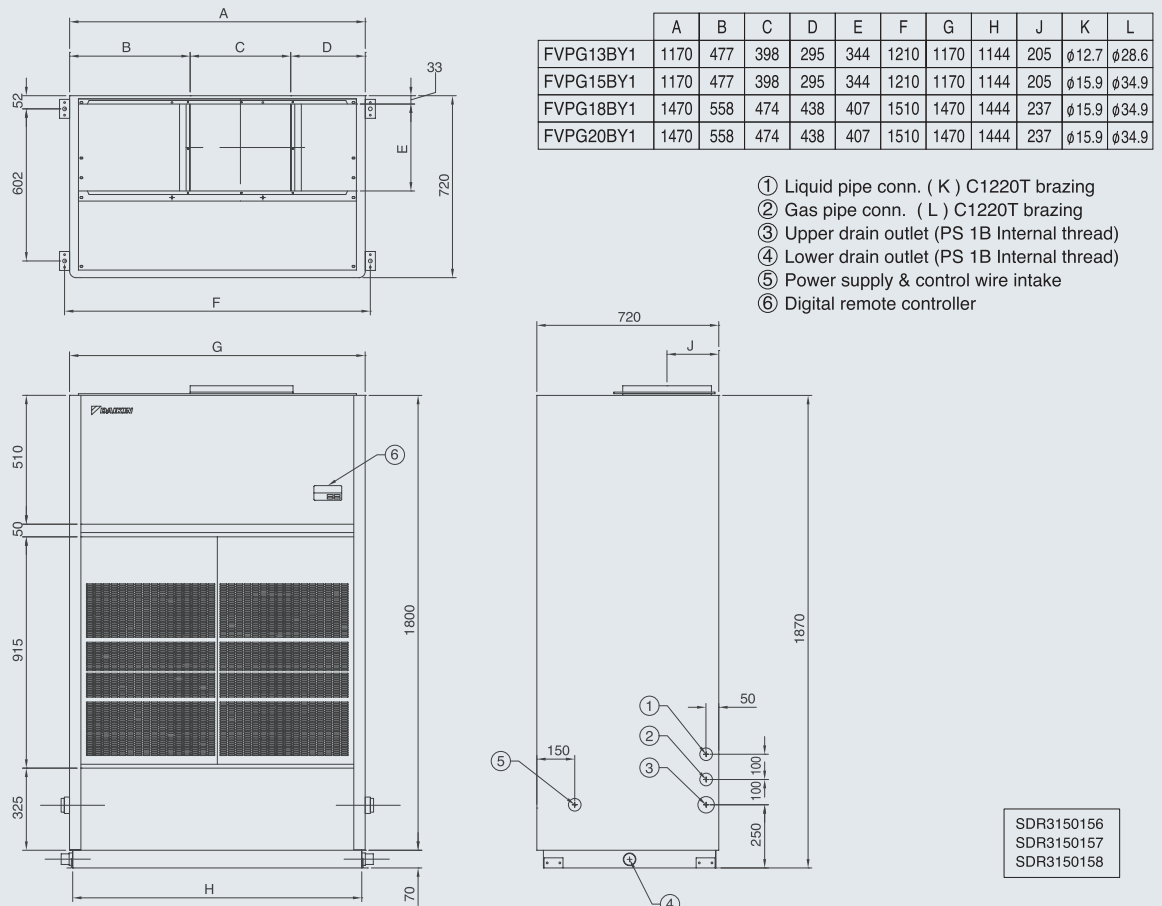
SDR3150154

■ FLOOR STANDING TYPE DUCT CONNECTION TYPE

FVPG10BY1



FVPG13BY1 FVPG15BY1 FVPG18BY1 FVPG20BY1

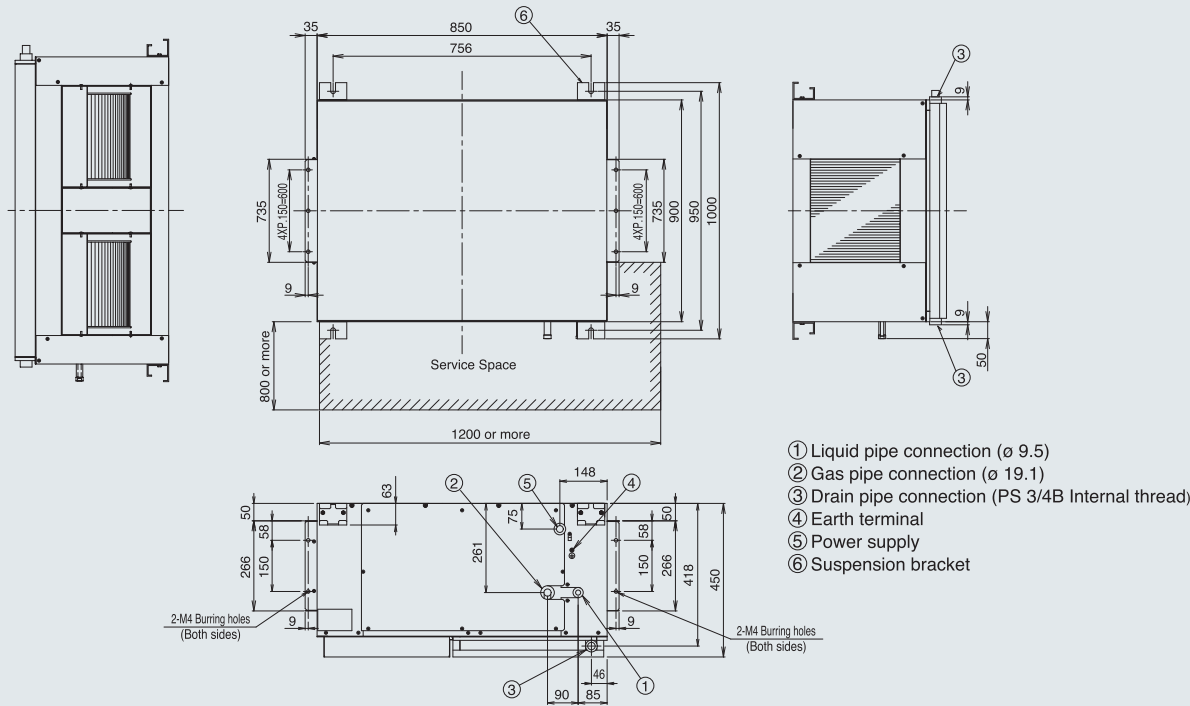


DIMENSIONS

(Unit: mm)

DUCT TYPE

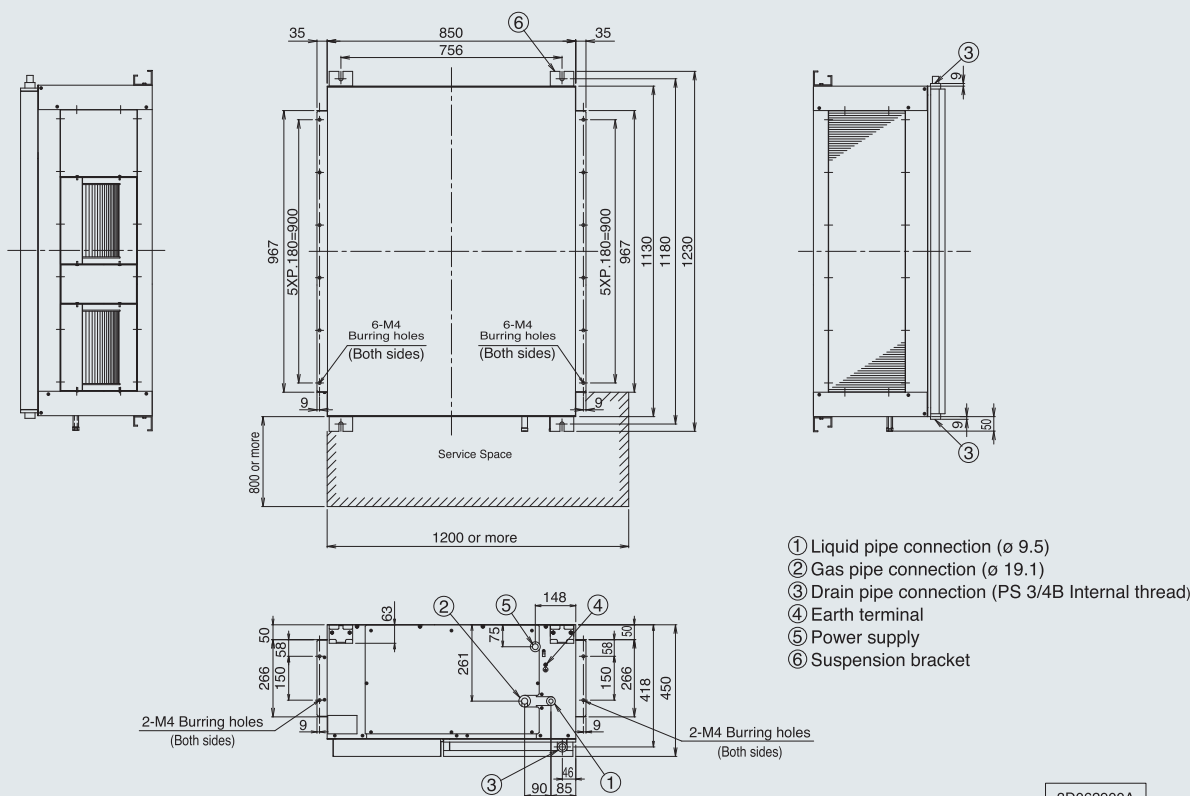
FD05KAY1



3D062899A

DUCT TYPE

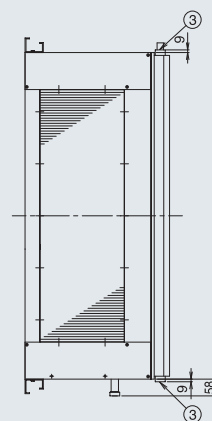
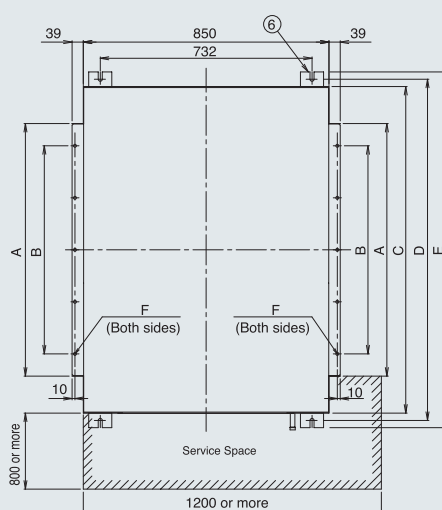
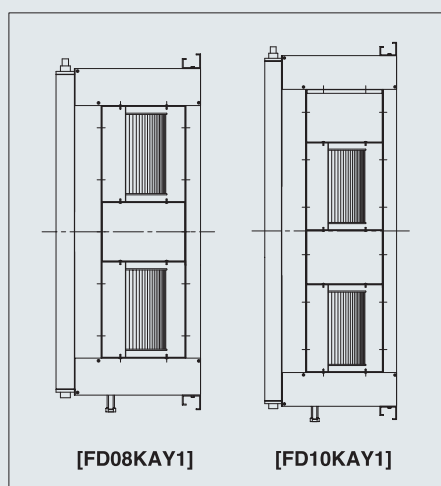
FD06KAY1



3D062900A

DUCT TYPE

FD08KAY1 / 10KAY1



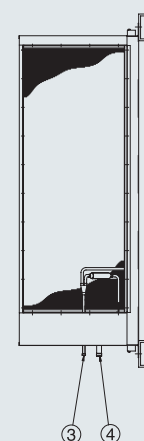
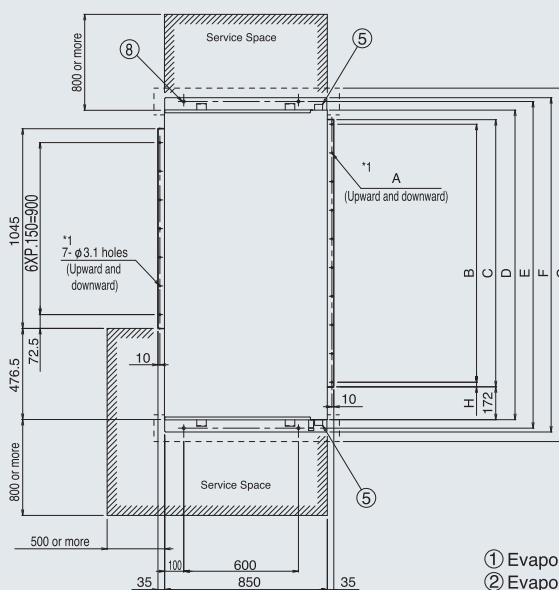
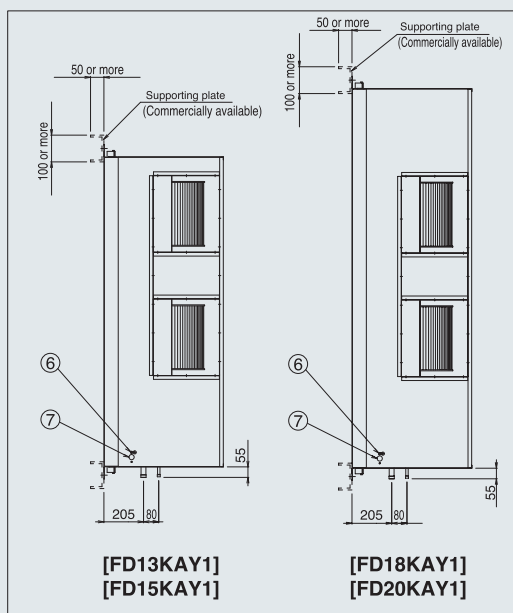
- ① Liquid pipe connection (ø 12.7)
- ② Gas pipe connection (G)
- ③ Drain pipe connection
(PS 3/4B Internal thread)
- ④ Earth terminal
- ⑤ Power supply
- ⑥ Suspension bracket

	A	B	C	D	E	F	G
FD08KAY1	876	4XP.180=720	1130	1180	1230	5-M4 Burring holes	ø22.2
FD10KAY1	1076	5XP.180=900	1330	1380	1430	6-M4 Burring holes	ø28.6

3D062901A
3D062902A

DUCT TYPE

FD13KAY1 / 15KAY1 / 18KAY1 / 20KAY1



- 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

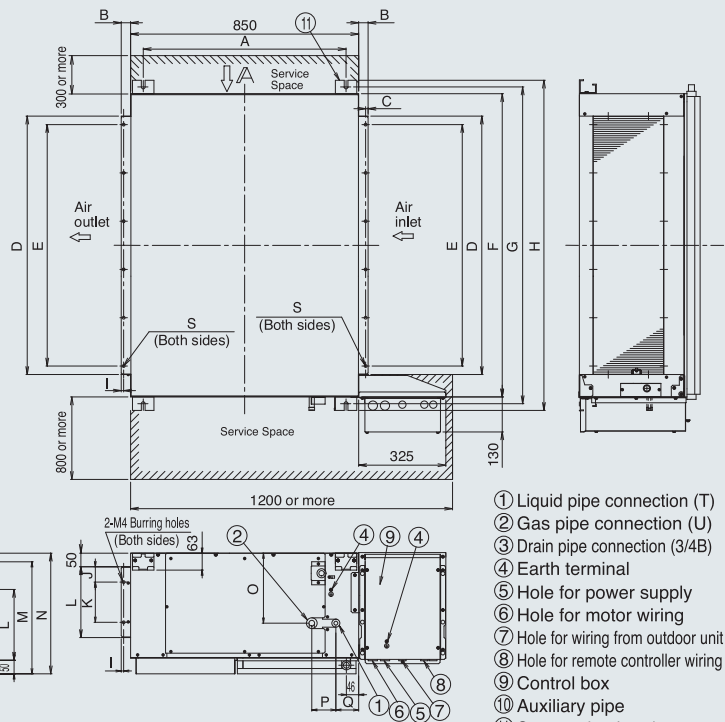
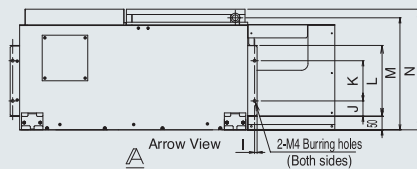
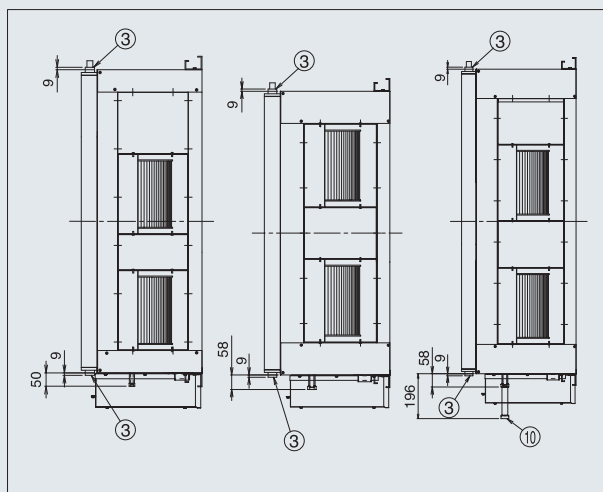
	A	B	C	D	E	F	G	H	J	K
FD13K1AY1	10- ø3.1 holes	9XP.150=1350	1402	1620	1710	1750	1770	24	ø12.7	ø28.6
FD15K1AY1	10- ø3.1 holes	9XP.150=1350	1402	1620	1710	1750	1770	24	ø15.9	ø34.9
FD18K1AY1 FD20K1AY1	12- ø3.1 holes	11XP.150=1650	1762	1980	2070	2110	2220	54	ø15.9	ø34.9

Notes: ¹Prepared holes for M4 tapping screw.

3D062912A
3D062913A
3D062914A

(Unit: mm)

FDY06KAY1 / 08KAY1 / 10KAY1

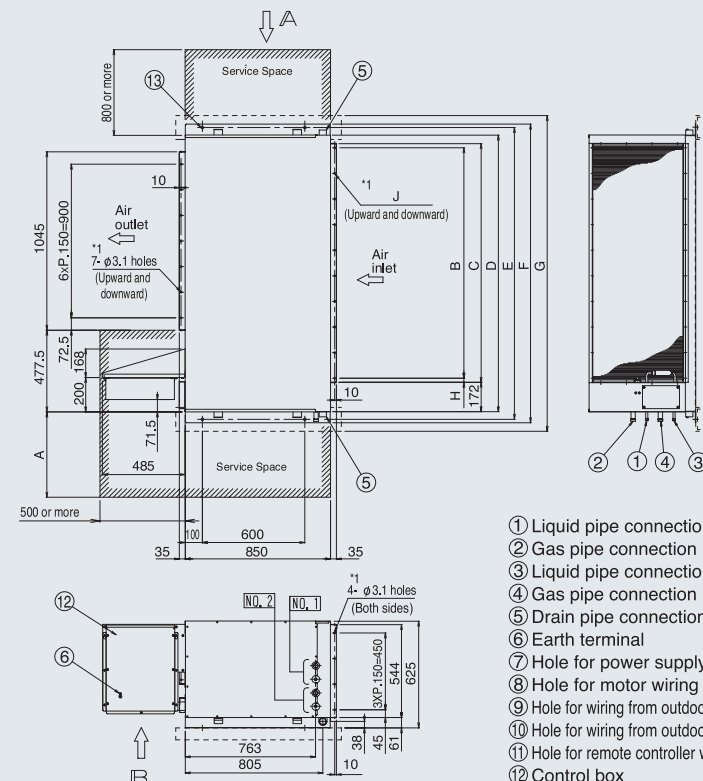
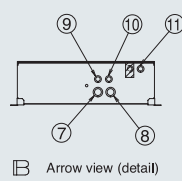
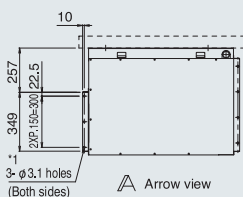
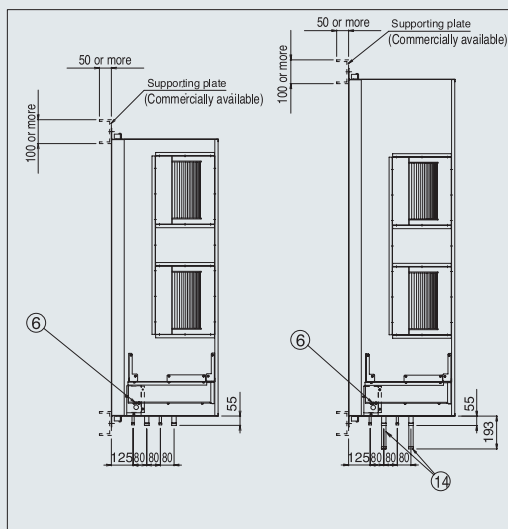


- ① Liquid pipe connection (T)
- ② Gas pipe connection (U)
- ③ Drain pipe connection (3/4B)
- ④ Earth terminal
- ⑤ Hole for power supply
- ⑥ Hole for motor wiring
- ⑦ Hole for wiring from outdoor unit
- ⑧ Hole for remote controller wiring
- ⑨ Control box
- ⑩ Auxiliary pipe
- ⑪ Suspension bracket

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	S	T	U
FDY06KAY1	756	35	9	967	5XP.180=900	1130	1180	1230	9	58	150	266	418	450	261	90	85	6-M4 Burring holes	ø9.5	ø19.1
FDY08KAY1	732	39	10	876	4XP.180=720	1130	1180	1230	10	67	160	294	468	500	311	79	47	5-M4 Burring holes	ø12.7	ø25.4
FDY10KAY1	732	39	10	1076	5XP.180=900	1330	1380	1430	10	67	160	294	468	500	311	79	47	6-M4 Burring holes	ø15.9	ø28.6

3D029836A
3D029841A
3D029842A

FDY15KAY1 / 20KAY1



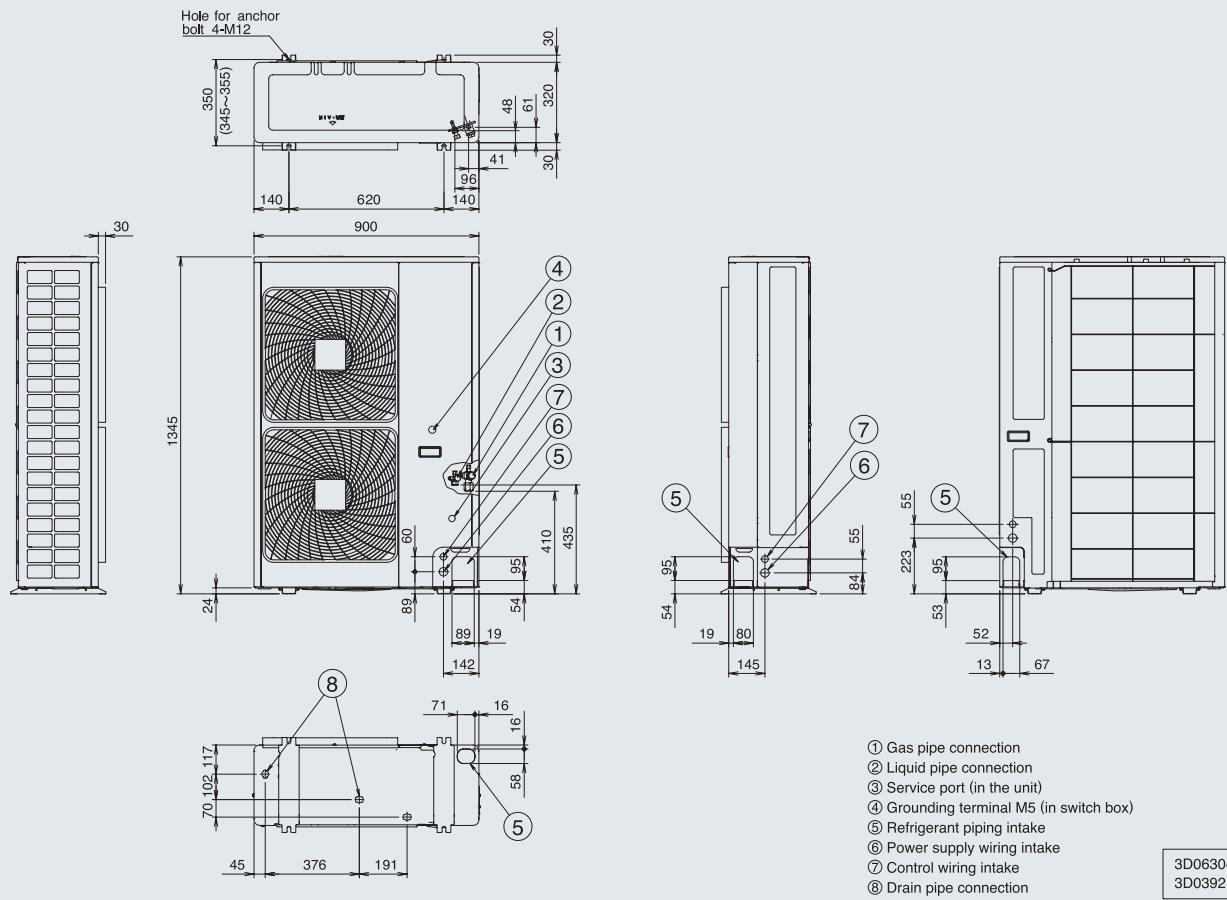
- ① Liquid pipe connection (No.1)(K)
- ② Gas pipe connection (No.1)(L)
- ③ Liquid pipe connection (No.2)(1B)
- ④ Gas pipe connection (No.2)
- ⑤ Drain pipe connection
- ⑥ Earth terminal
- ⑦ Hole for power supply
- ⑧ Hole for motor wiring
- ⑨ Hole for wiring from outdoor unit (No.1)
- ⑩ Hole for wiring from outdoor unit (No.2)
- ⑪ Hole for remote controller wiring
- ⑫ Control box
- ⑬ The holes for anchor bolts
- ⑭ Auxiliary pipe

	A	B	C	D	E	F	G	H	J	K	L
FDY15KAY1	500	9xP.150=1350	1402	1620	1710	1750	1770	24	10-ø3.1 holes	ø12.7x2	ø25.4x2
FDY20KAY1	800	11xP.150=1650	1762	1980	2070	2110	2220	54	12-ø3.1 holes	ø15.9x2	ø28.6x2

3D029843A
3D029844A

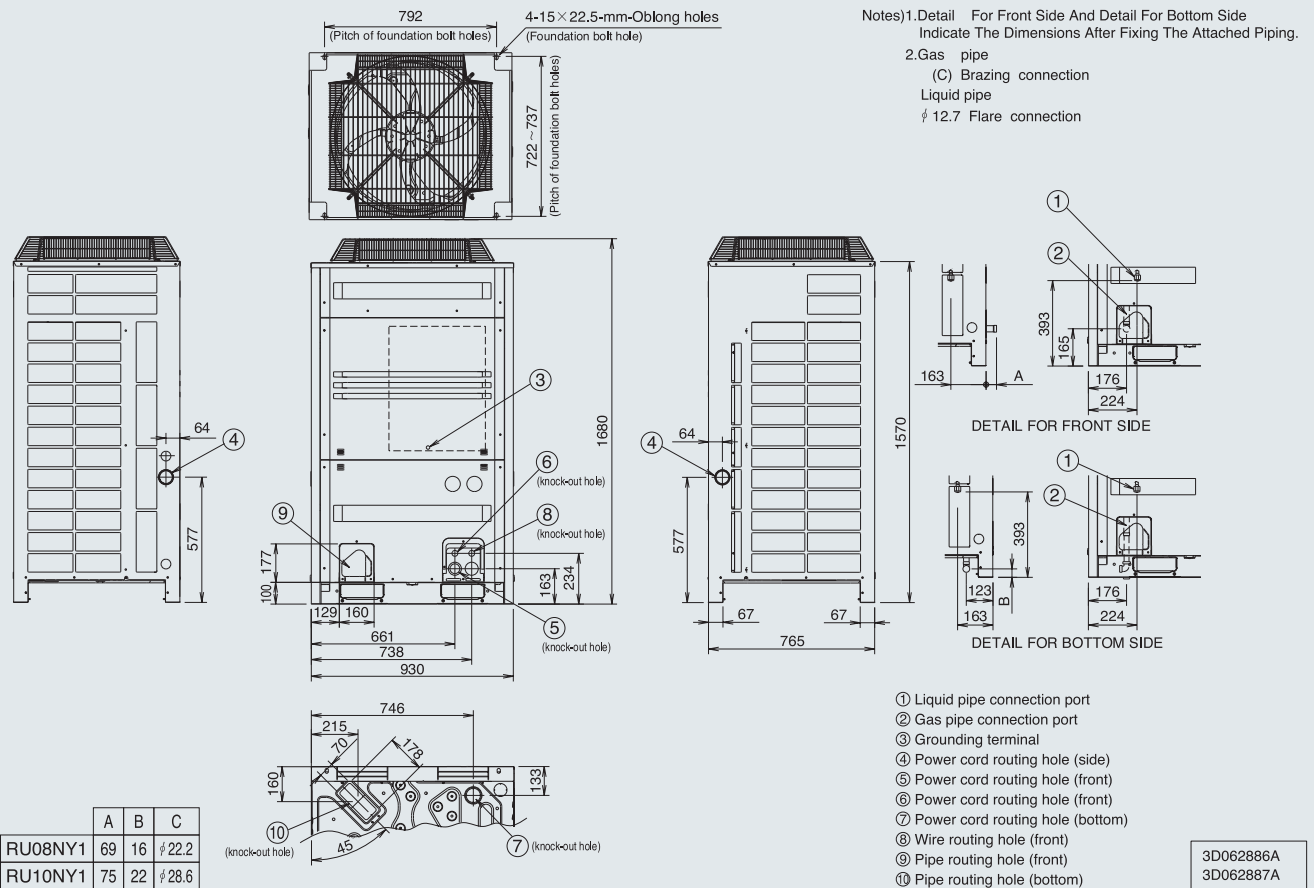
OUTDOOR UNIT

RU05NY1 / 06NY1, RY140LUY1



OUTDOOR UNIT

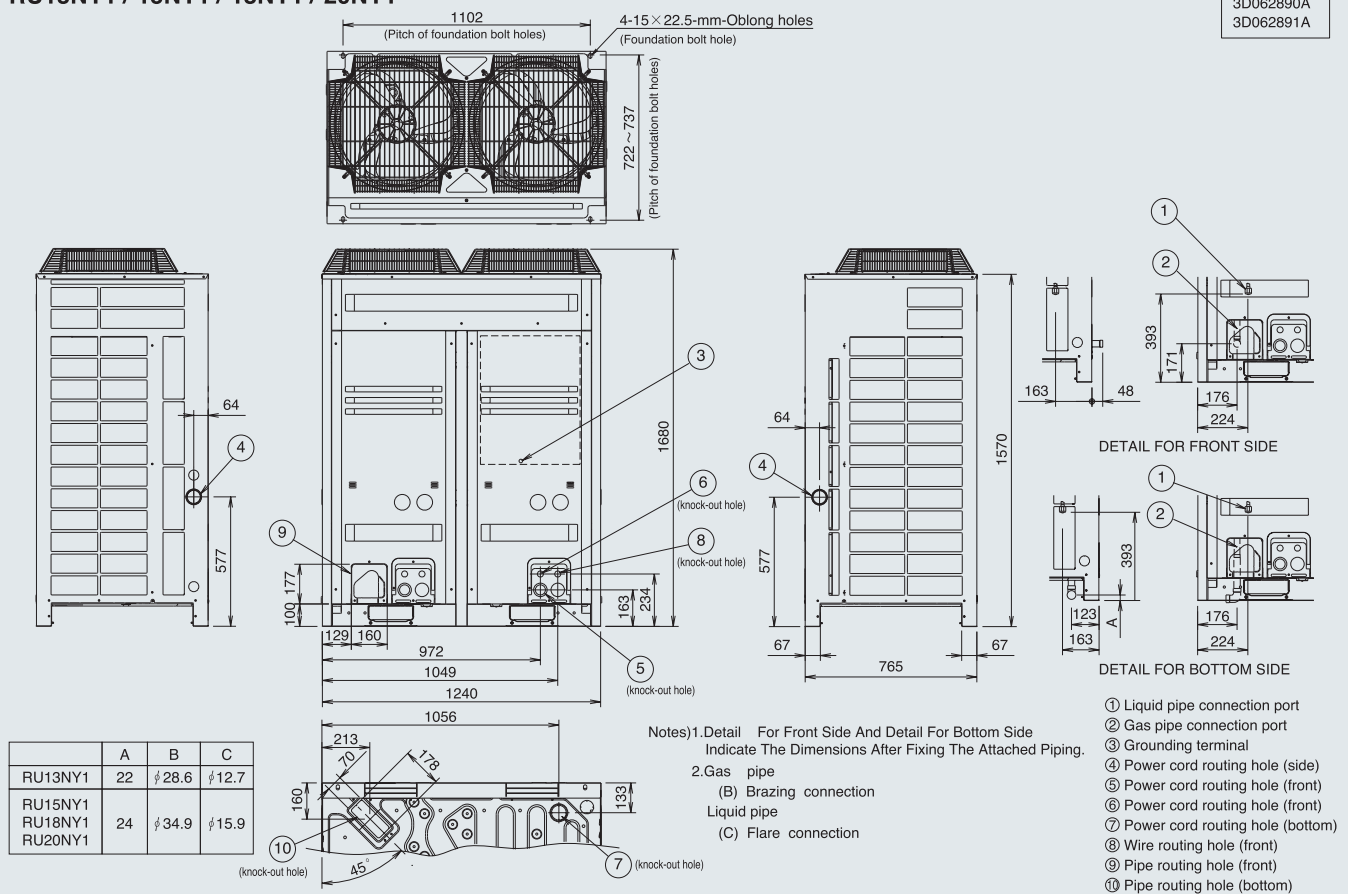
RU08NY1 / 10NY1



OUTDOOR UNIT

RU13NY1 / 15NY1 / 18NY1 / 20NY1

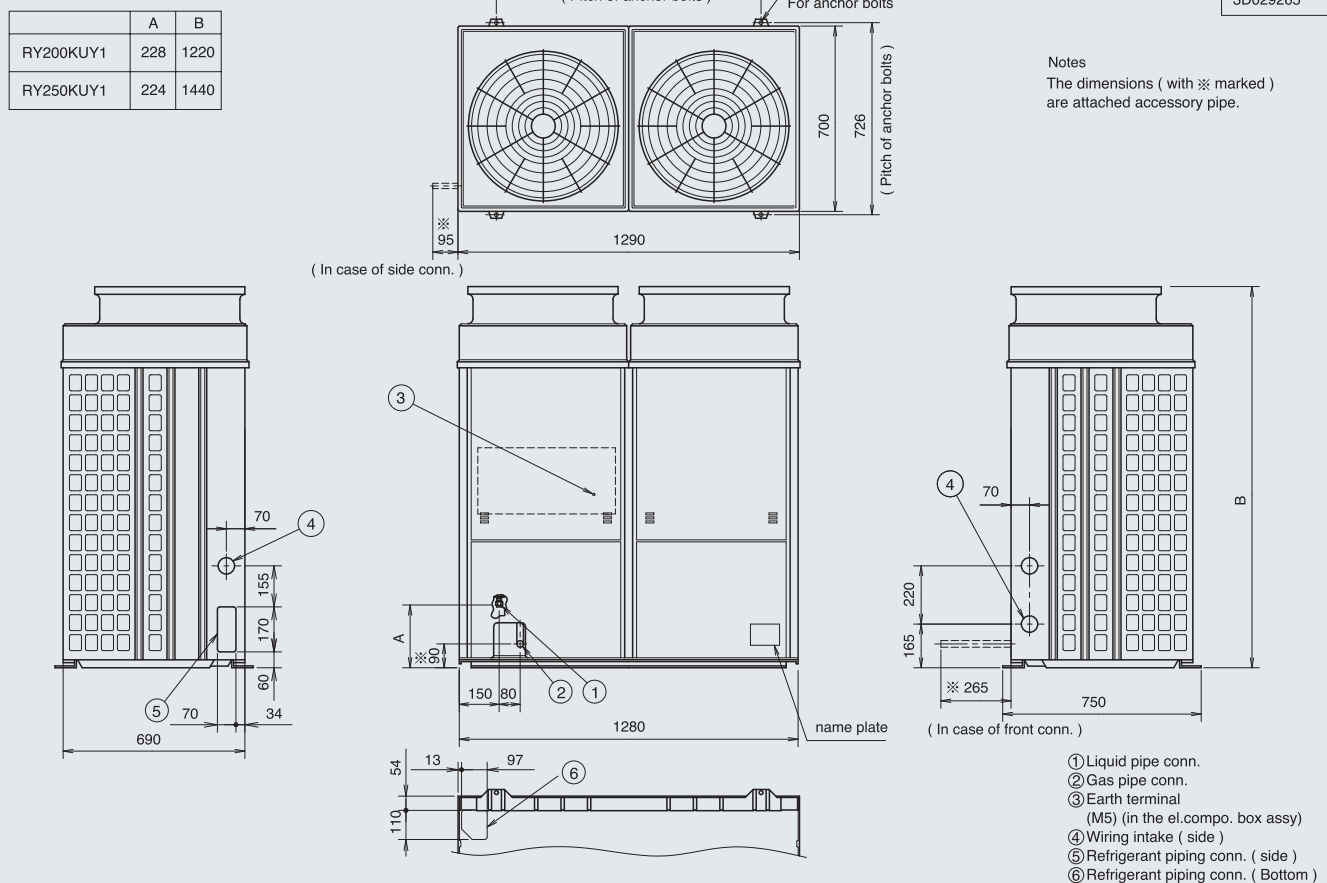
3D062890A
3D062891A



OUTDOOR UNIT

RY200KUY1 / 250KUY1

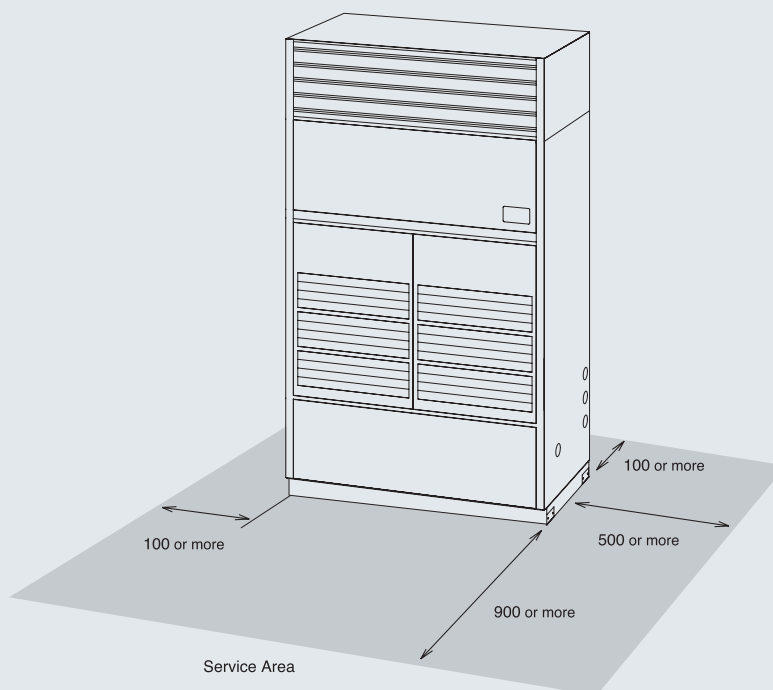
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3D029265



■ FLOOR STANDING TYPE

DIRECT AIR BLOW TYPE

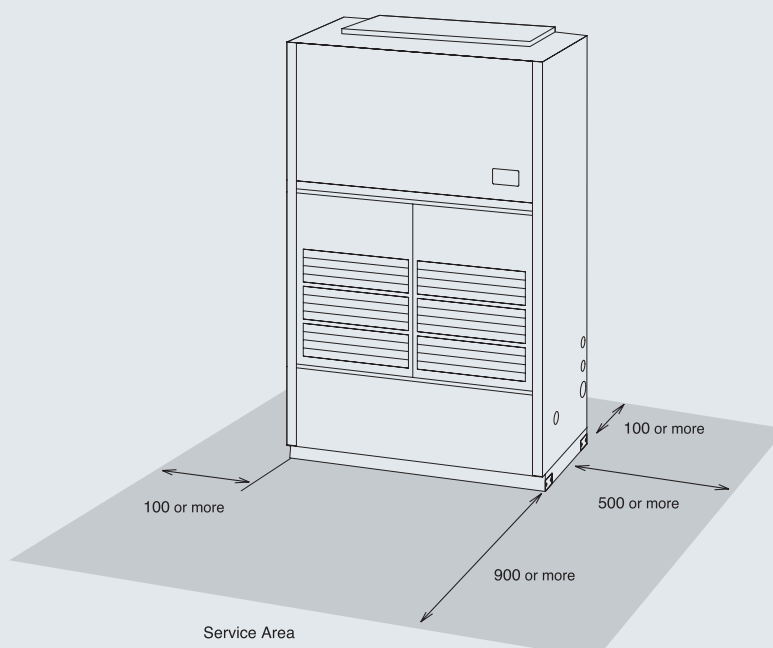
FVG05BV1
FVG06BV1
FVG08BV1
FVG10BV1



■ FLOOR STANDING TYPE

DUCT CONNECTION TYPE

FVPG10BY1
FVPG13BY1
FVPG15BY1
FVPG18BY1
FVPG20BY1



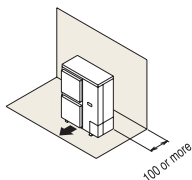
For RU05NY1/06NY1,RY140LU

When there is an obstruction on the inlet side

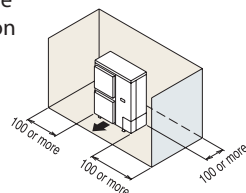
When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

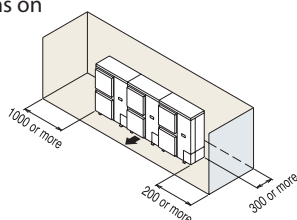


When there are obstructions on both sides



2. For series installation (more than two units)

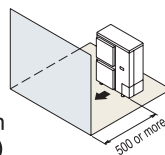
When there are obstructions on both sides



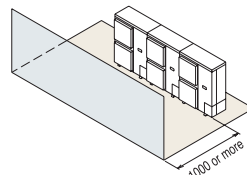
When there is an obstruction on the outlet side

When the overhead space is open

1. For single unit installation



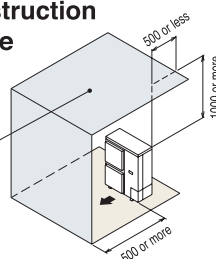
2. For series installation (more than two units)



When there is an obstruction in the overhead space

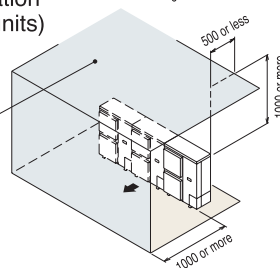
1. For single unit installation

An obstruction in the overhead space



2. For series installation (more than two units)

An obstruction in the overhead space

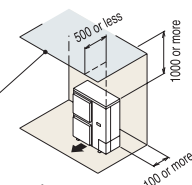


When there is an obstruction in the overhead space

1. For single unit installation

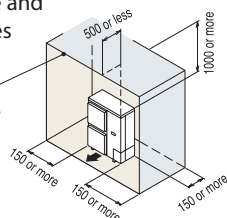
When there is an obstruction on the inlet side

An obstruction in the overhead space



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

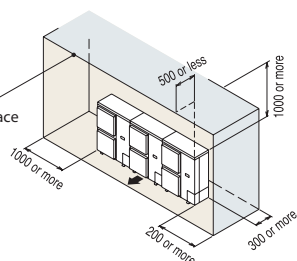
An obstruction in the overhead space



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 are obstructions on both the inlet and outlet sides

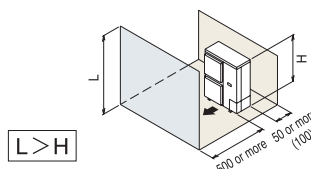
Pattern 1

For other patterns, please refer to engineering databook.

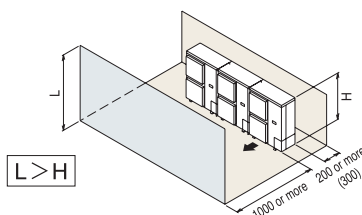
When the obstruction on the outlet side is higher than the unit itself (There is no limit to the height of the obstruction on the outlet side.)

When the overhead space is open

1. For single unit installation



2. For series installation (more than two units)

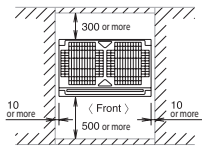


For RU08NY1/10NY1/13NY1/15NY1/18NY1/20NY1

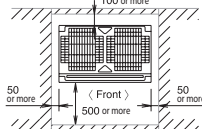
(Please refer to engineering databook for other installation patterns.)

For single unit installation

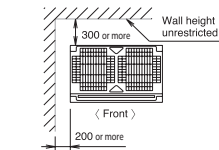
Pattern 1



Pattern 2

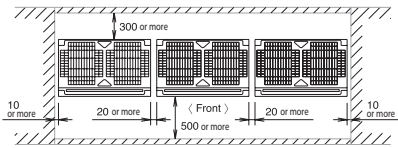


Pattern 3

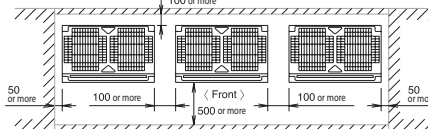


For installation in rows

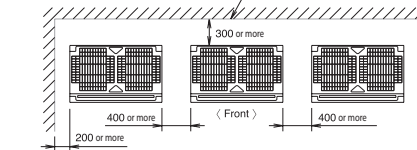
Pattern 1



Pattern 2

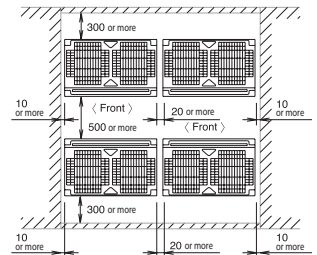
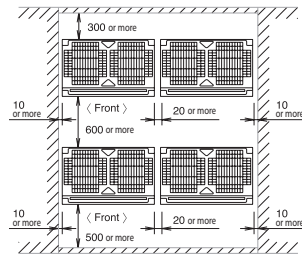


Pattern 3

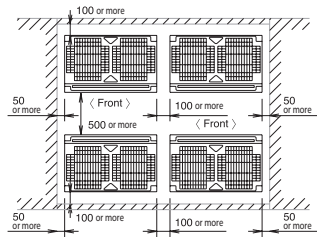
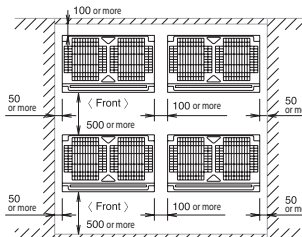


For centralized group layout

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.

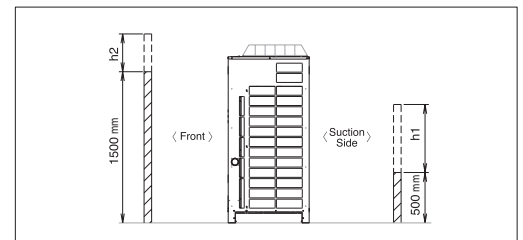
Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space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

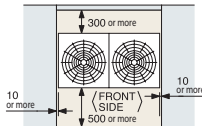


For RY200KUY1/250KUY1

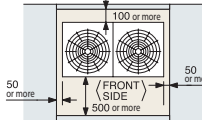
Dimensions inside brackets [] indicate case where air direction adjustment guide is adjusted downward.

In case of single installation

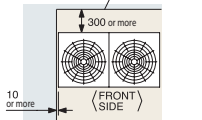
Pattern 1



Pattern 2

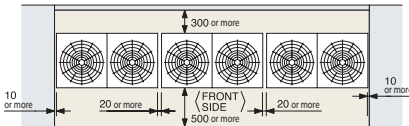


Pattern 3

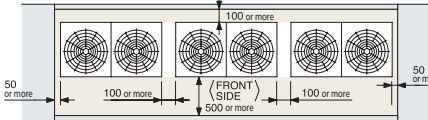


In case of parallel installation

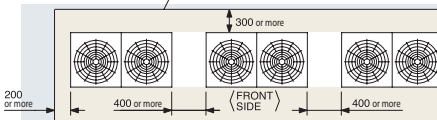
Pattern 1



Pattern 2

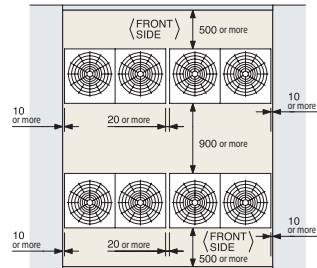
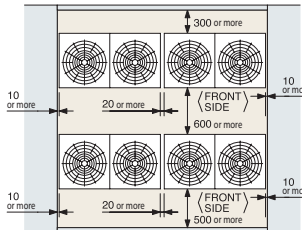


Pattern 3

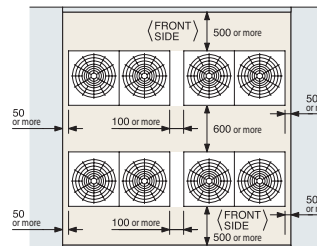
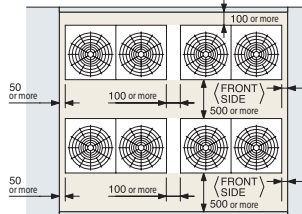


In case of set installation

Pattern 1



Pattern 2



Notes:

¹Obstacles height of (Pattern 1) and (Pattern 2) shall be as follows:

Front side 1500 mm

Suction side 500 mm

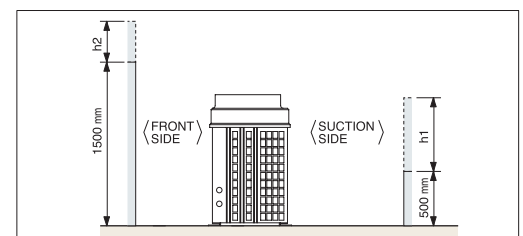
Side No (imitation)

²For the service space, if the obstacle of height exceeds the above mentioned dimensions, half of the exceeded dimensions shall be added to the standard service space.

³When installing a unit, choose the most suitable one from this manual depending on actual conditions such as walking passage and ventilation.

(If the number of units is more than that shown in this manual.)
take short circuit into account.

⁴For the service space for front side, take the service space required for field piping into account.



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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