PCP0902

DAIKIN

AIR COOLED PACKAGED AIR CONDITIONERS

FLOOR STANDING TYPE
DUCT TYPE

COOLING ONLY 50Hz **R-410A**

DUCT TYPE

FLOOR STANDING TYPE

DIRECT AIR BLOW TYPE **DUCT CONNECTION 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.

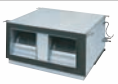
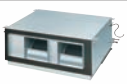
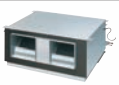
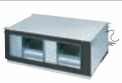
Even when selecting air conditioners, a new model featuring HFC R-410A refrigerant could be the perfect step in promoting your corporate image.

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
	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

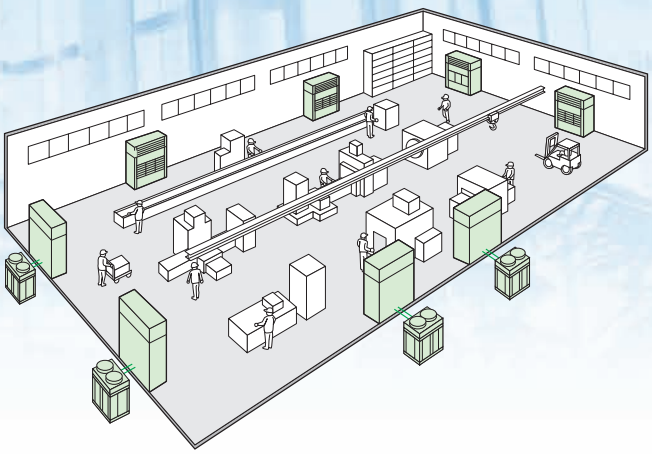
		HP	5	6	8	10
Capacity [1, 2]		kW	**14.7**	**17.6**	**23.5**	**29.3**
		Btu/h	50,000	60,000	80,000	100,000
		kcal/h	12,600	15,100	20,200	25,200
DUCT TYPE (Specifications Page 6, Dimensions Page 13,14)		Indoor unit	 FDR05NY1	 FDR06NY1	 FDR08NY1	 FDR10NY1
		Outdoor unit	RUR05NY1	RUR06NY1	RUR08NY1	RUR10NY1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

Note : [1]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).
[2]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.



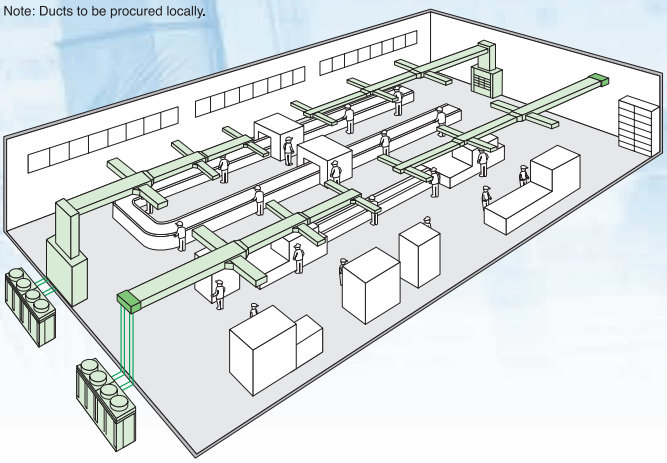
DUCT CONNECTION TYPE

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	 FVPGR15NY1	 FVPGR18NY1	 FVPGR20NY1
	RUR13NY1	RUR15NY1	RUR18NY1	RUR20NY1
				

Nice,
cool air in the factory
or in the cafeteria

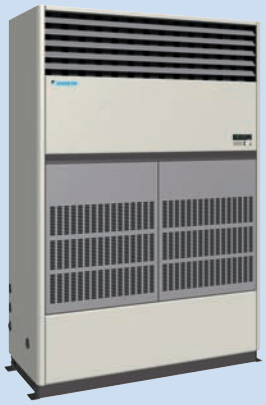
50Hz

	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	 FDR15NY1	 FDR18NY1	 FDR20NY1
	RUR13NY1	RUR15NY1	RUR18NY1	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 accesories

○ Standard model
□ Factory modification
■ Contact sales for more infomation

		Floor Standing Type		Duct Type
		Direct Air Blow	Duct Connection Type	
Factory Modificaion	Auto restart	□	□	○
	Modify wiring for central control adapter 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	■	■	■
Option	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

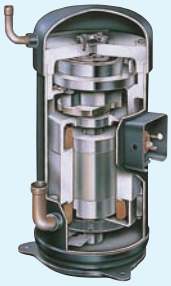
Note:
[1]Wiring modification is needed on floor stand model to connect with central control ADP kit.
[2]Need to use central control adapter kit for option connection.
[3]Central control adapter kit and LCD remote controller is necessary for option connection.

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



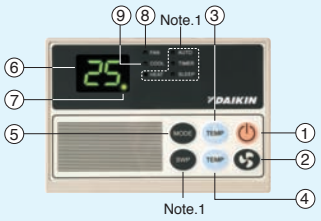
and great reliability.

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.

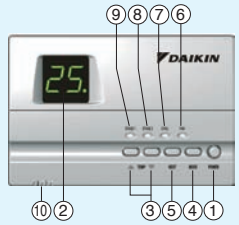
Floor standing type (Standard accessory)



① On/Off button	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 FVPGR10–20NY1

Duct type (optional accessory)

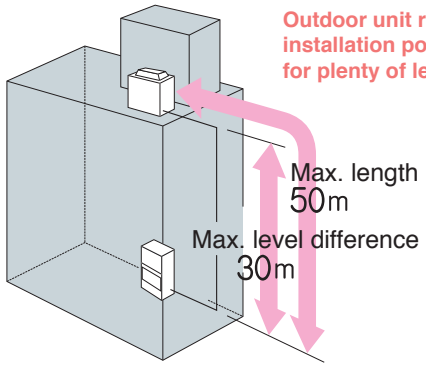


① Power	⑤ Next setting	⑨ Compressor 1 indicator lamp
② Temperature scale	⑥ Fan indicator lamp	⑩ Temperature sensor
③ Temperature setting	⑦ Cool indicator lamp	
④ Mode setting	⑧ Compressor 2 indicator lamp	

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: [1]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				5HP	6HP	8HP	10HP
	Indoor unit			FVGR05NV1	FVGR06NV1	FVGR08NV1	FVGR10NV1
	Outdoor unit			RUR05NY1	RUR06NY1	RUR08NY1	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)		m³/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]		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	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 (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	ϕ9.5 (Brazing)		ϕ12.7 (Brazing)	
		Gas	mm	ϕ19.1 (Brazing)		ϕ22.2 (Brazing)	ϕ28.6 (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)	ϕ28.6 (Brazing)
		Drain	mm	ϕ26.0 (Hole)	——		
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			

■ FLOOR STANDING TYPE

DUCT CONNECTION TYPE

Model Name				10HP	13HP	15HP	18HP	20HP
	Indoor unit			FVPGR10NY1	FVPGR13NY1	FVPGR15NY1	FVPGR18NY1	FVPGR20NY1
	Outdoor unit			RUR10NY1	RUR13NY1	RUR15NY1	RUR18NY1	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)		m³/min	80	120		162	
			cfm	2,830	4,240		5,720	
	Fan	Drive		Belt Drive				
		Ext. Static Pressure	Pa(mmH₂O)	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	
	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 (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	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 : [1]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).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
[3]Capacity includes indoor fan motor heat.

DUCT TYPE

					5HP	6HP	8HP	10HP
Model Name		Indoor unit			FDR05NY1	FDR06NY1	FDR08NY1	FDR10NY1
		Outdoor unit			RUR05NY1	RUR06NY1	RUR08NY1	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				Galvanlze steel			
	Airflow rate (H)			m^3/min	46	54	68	78
				cfm	1,620	1,910	2,400	2,750
	Fan	External static pressure		mmH_2O	9		10	
		Driving system			Belt drive			
	Sound level (H) [2]			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	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 (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	ø9.5(Brazing)		ø12.7(Brazing)	
		Gas		mm	ø19.1(Brazing)		ø22.2(Brazing)	ø28.6(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)	ø28.6(Brazing)
		Drain		mm	ø26.0 (Hole)	———		
Max. interunit piping length				m	50 (equivalent length 70 m)			
Max. installation level difference				m	30			

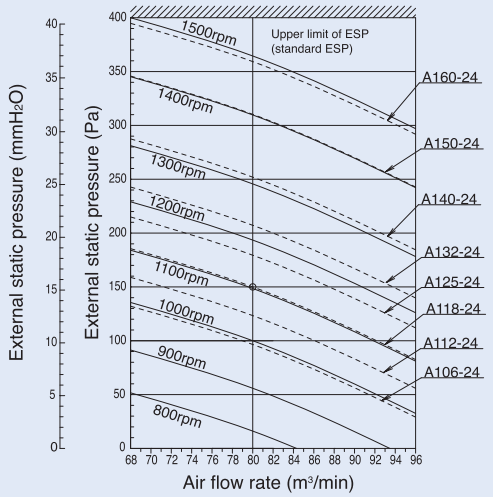
					13HP	15HP	18HP	20HP
Model Name		Indoor unit			FDR13NY1	FDR15NY1	FDR18NY1	FDR20NY1
		Outdoor unit			RUR13NY1	RUR15NY1	RUR18NY1	RUR20NY1
Power supply					380–415 V, 50 Hz, 3 Phase, 4 Wires			
Cooling capacity [1, 3]				kW	35.2	46.9	52.8	58.6
				Btu/h	120,000	160,000	180,000	200,000
				kcal/h	30,200	40,300	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				Galvanlze steel			
	Airflow rate (H)			m^3/min	136		166	
				cfm	4,800		5,860	
	Fan	External static pressure		mmH_2O	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	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 (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	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 : [1]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).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
[3]Capacity includes indoor fan motor heat.

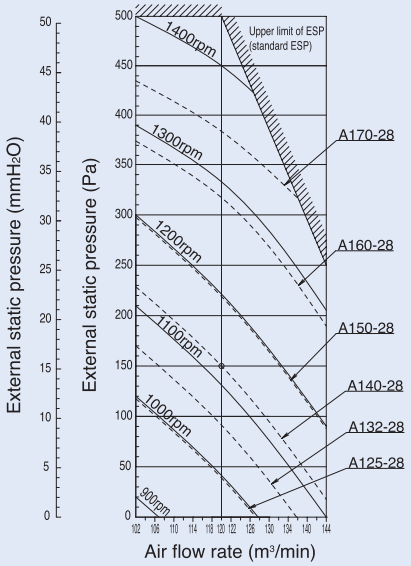
■ FLOOR STANDING TYPE

DUCT CONNECTION TYPE

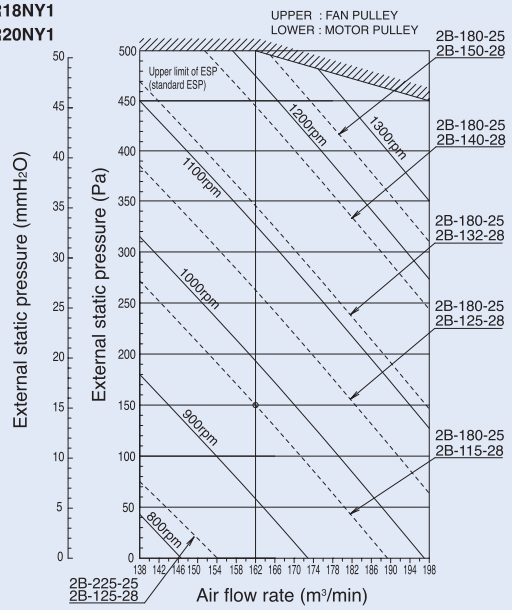
FVPGR10NY1



FVPGR13NY1
FVPGR15NY1

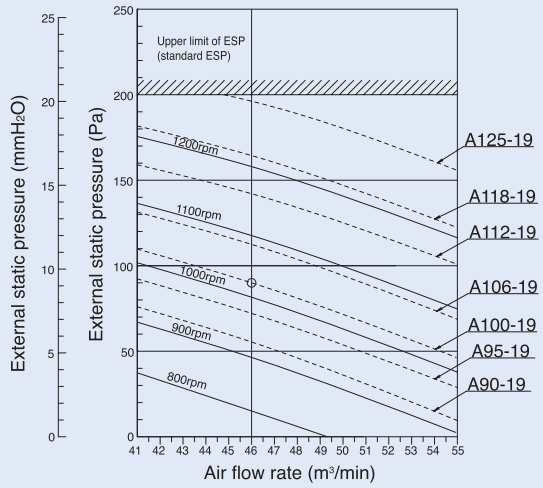


FVPGR18NY1
FVPGR20NY1

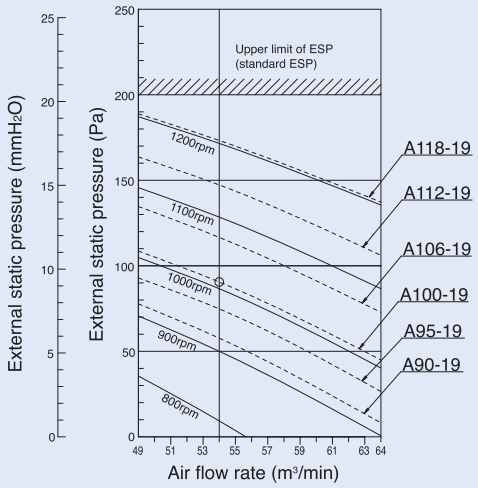


DUCT TYPE

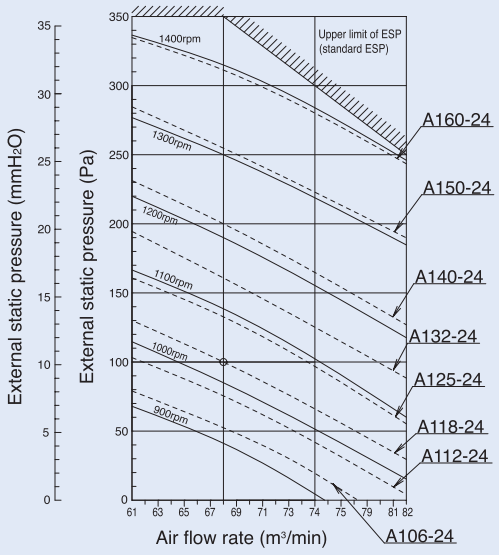
FDR05NY1



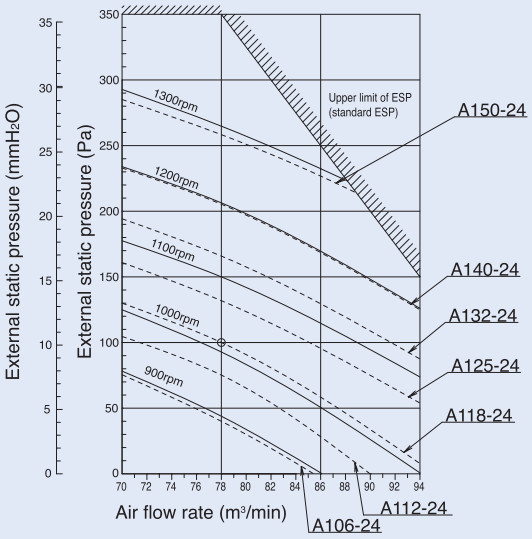
FDR06NY1



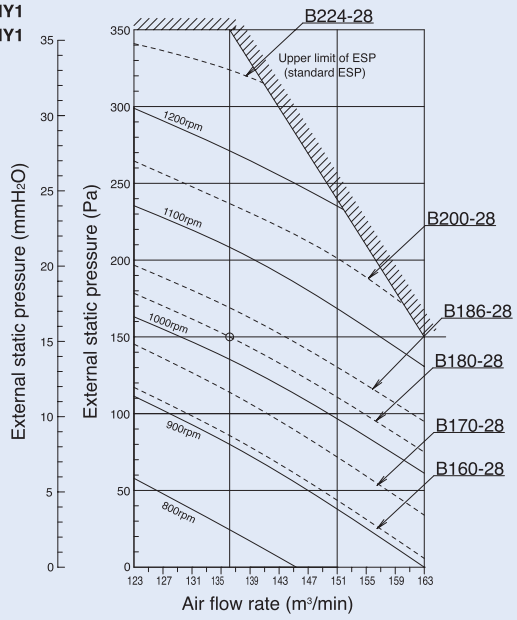
FDR08NY1



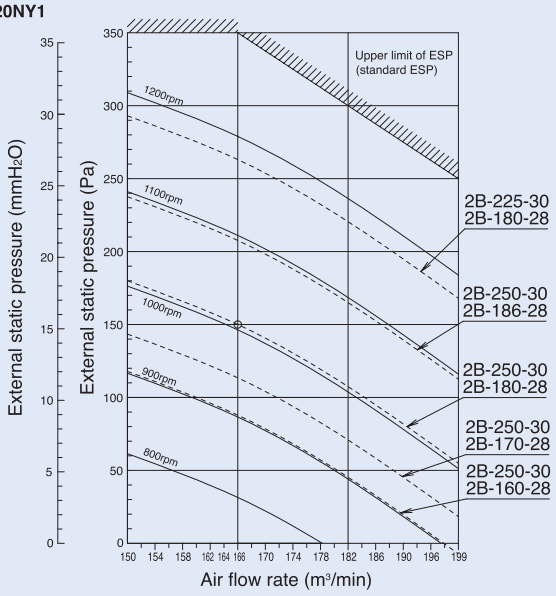
FDR10NY1



FDR13NY1
FDR15NY1

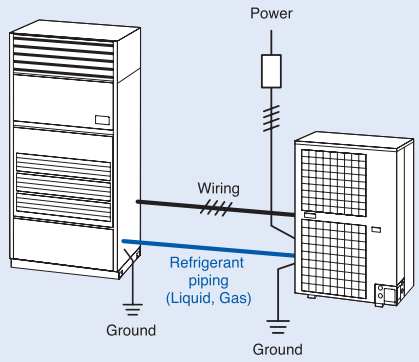


FDR18NY1
FDR20NY1

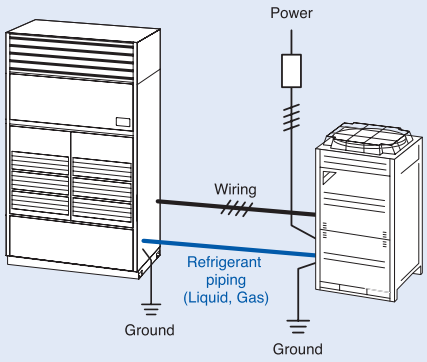


■ FLOOR STANDING TYPE
DIRECT AIR BLOW TYPE

FVGR05N/06N
RUR05N/06N

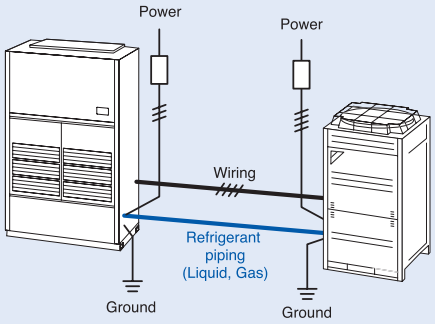


FVGR08N/10N
RUR08N/10N

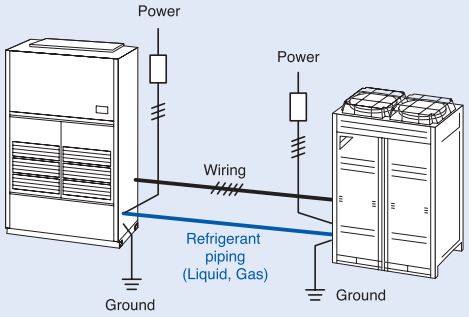


■ FLOOR STANDING TYPE
DUCT CONNECTION TYPE

FVPGR10N
RUR10N

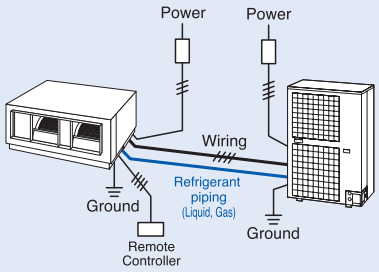


FVPGR13N/15N/18N/20N
RUR13N/15N/18N/20N

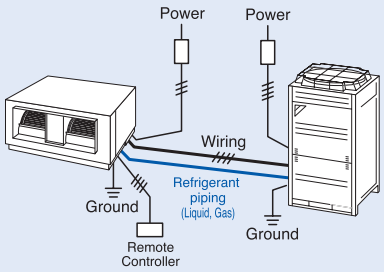


DUCT TYPE

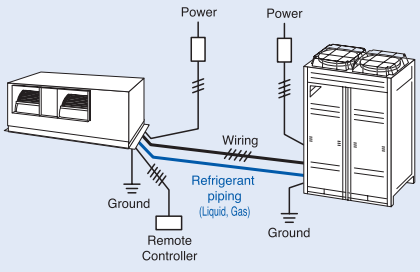
FDR05N/06N
RUR05N/06N



FDR08N/10N
RUR08N/10N



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

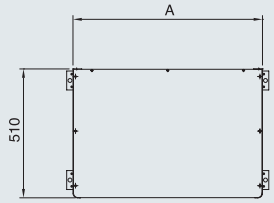


DIMENSIONS (Unit: mm)

■ FLOOR STANDING TYPE

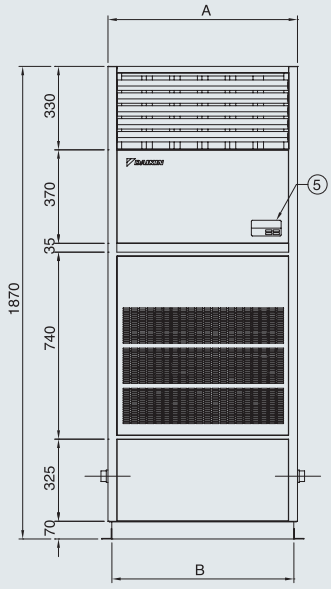
DIRECT AIR BLOW TYPE

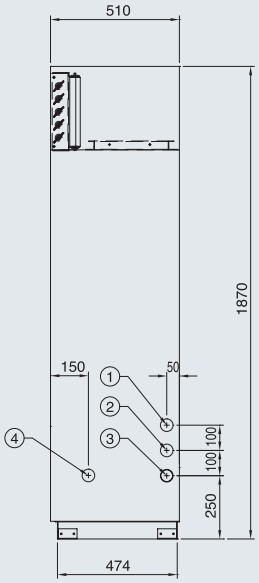
FVGR05NV1
FVGR06NV1
FVGR08NV1



	A	B	C	D
FVGR05NV1	750	720	ϕ9.5	ϕ19.1
FVGR06NV1	750	720	ϕ9.5	ϕ19.1
FVGR08NV1	950	920	ϕ12.7	ϕ22.2

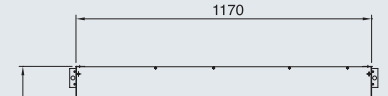
① Liquid pipe conn. (C) C1220T brazing
② Gas pipe conn. (D) C1220T brazing
③ Upper drain outlet (PS 1B Internal thread)
④ Power supply & control wire intake
⑤ Digital remote controller



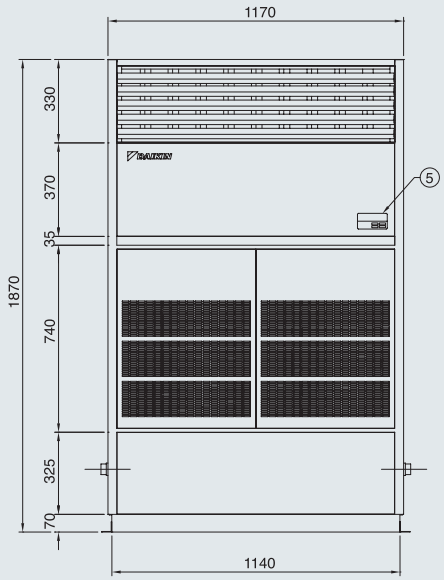


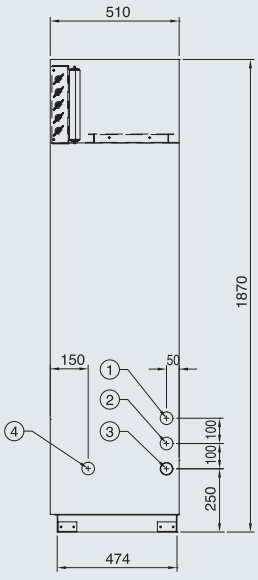
SDR3150151
SDR3150152
SDR3150153

FVGR10NV1



① Liquid pipe conn. (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





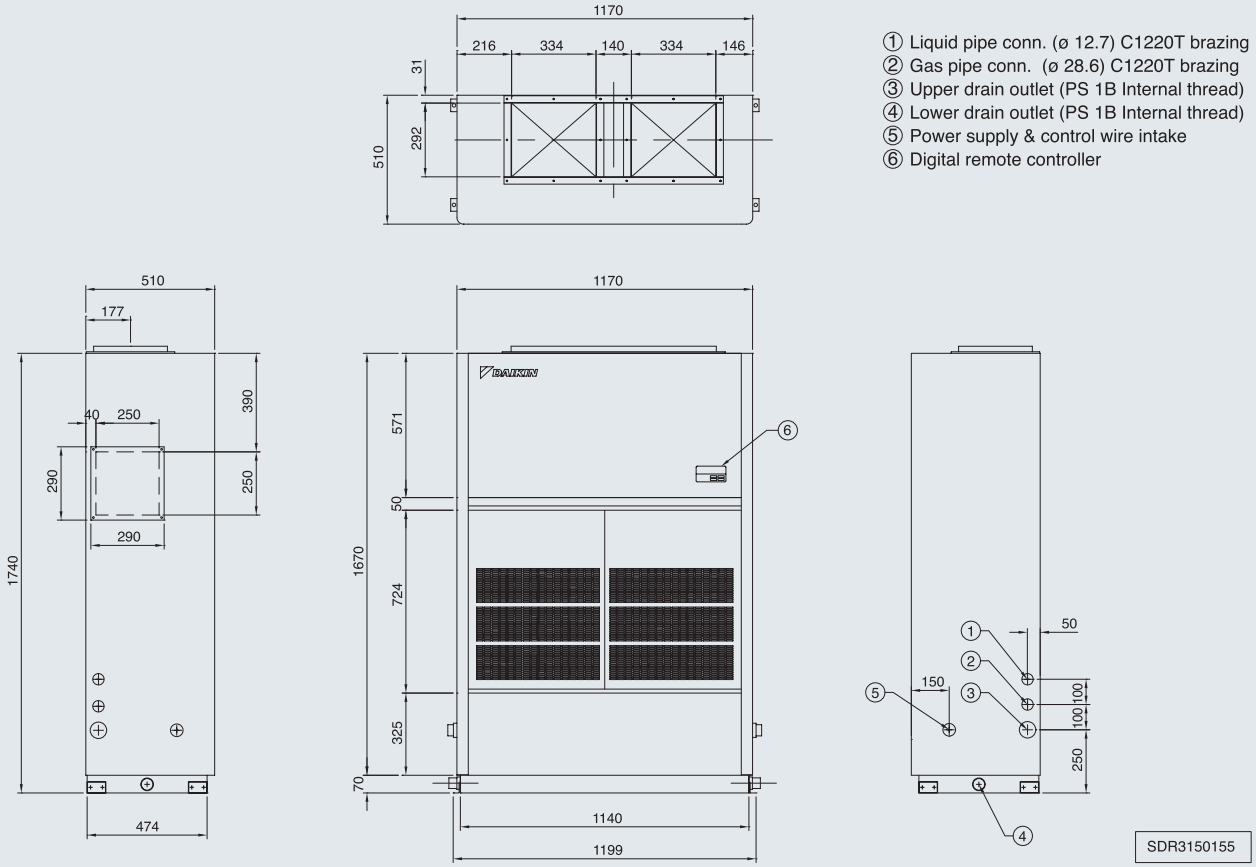
SDR3150154

DIMENSIONS (Unit: mm)

■ FLOOR STANDING TYPE

DUCT CONNECTION TYPE

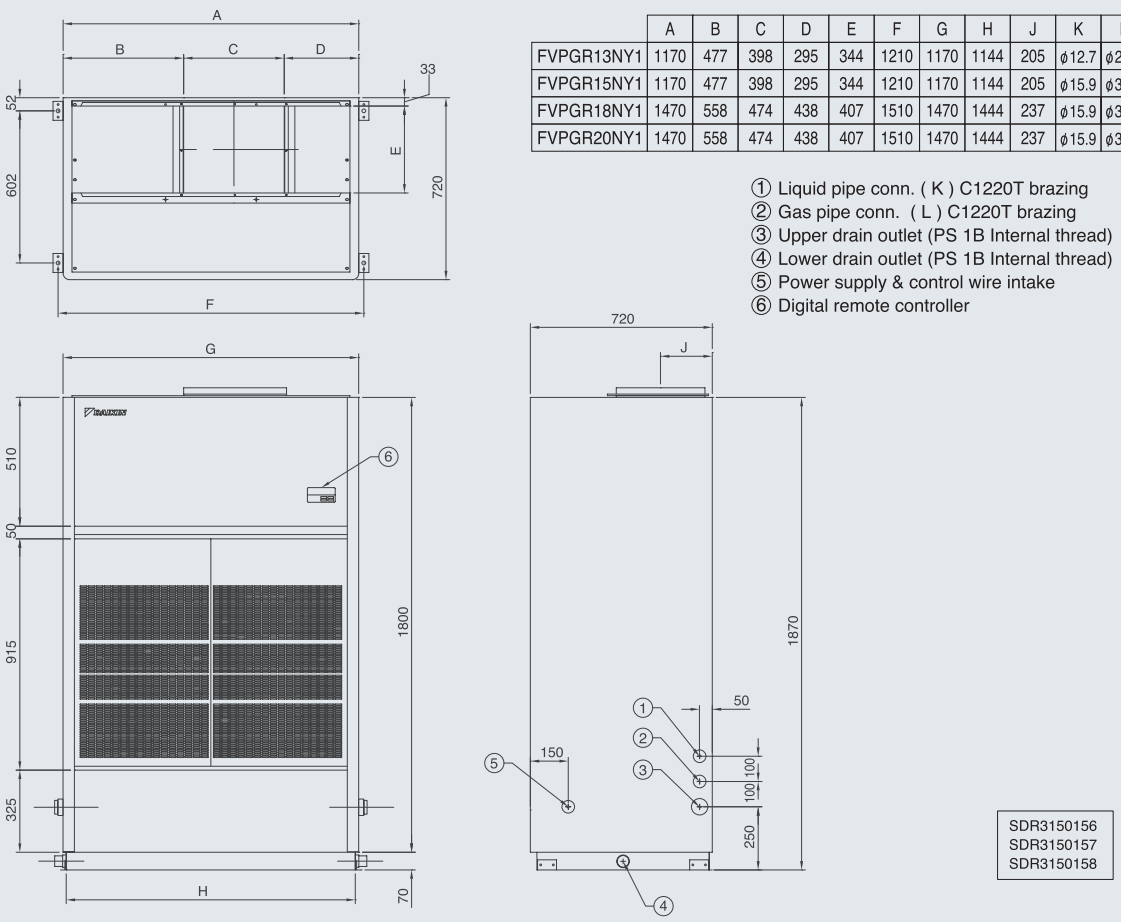
FVPGR10NY1



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 Lower drain outlet (PS 1B Internal thread)
⑤ Power supply & control wire intake
⑥ Digital remote controller

SDR3150155

FVPGR13NY1
FVPGR15NY1
FVPGR18NY1
FVPGR20NY1



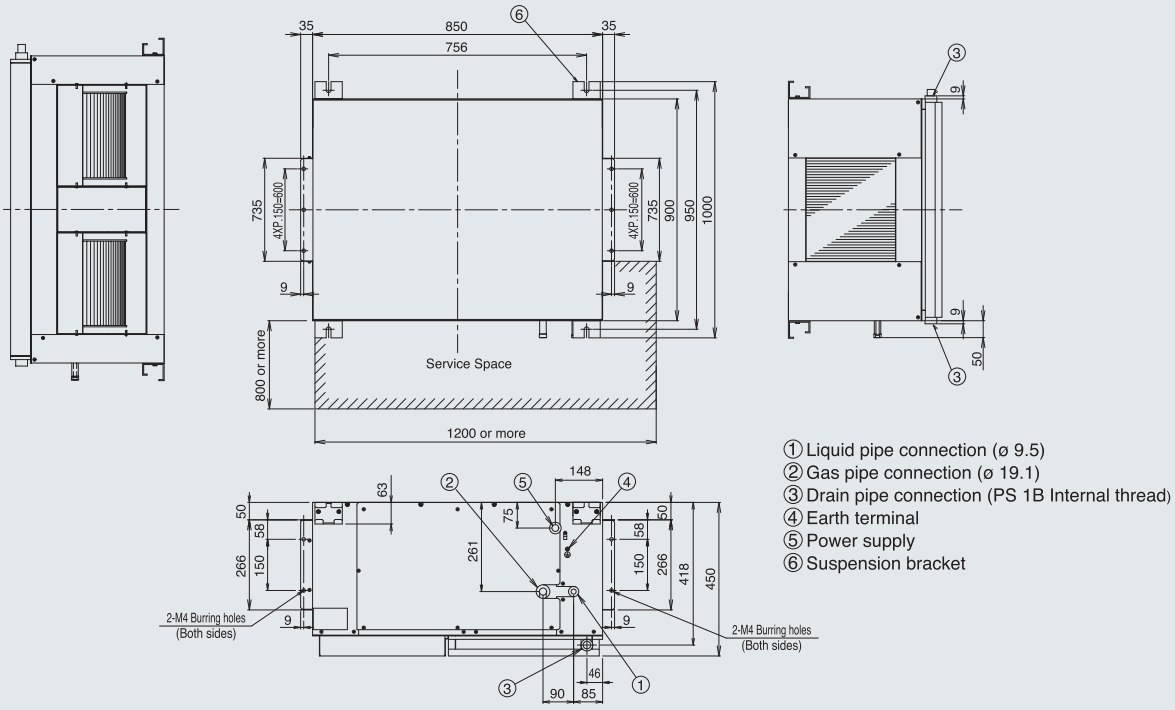
	A	B	C	D	E	F	G	H	J	K	L
FVPGR13NY1	1170	477	398	295	344	1210	1170	1144	205	ϕ12.7	ϕ28.6
FVPGR15NY1	1170	477	398	295	344	1210	1170	1144	205	ϕ15.9	ϕ34.9
FVPGR18NY1	1470	558	474	438	407	1510	1470	1444	237	ϕ15.9	ϕ34.9
FVPGR20NY1	1470	558	474	438	407	1510	1470	1444	237	ϕ15.9	ϕ34.9

① Liquid pipe conn. (K) C1220T brazing
② Gas pipe conn. (L) C1220T brazing
③ Upper drain outlet (PS 1B Internal thread)
④ Lower drain outlet (PS 1B Internal thread)
⑤ Power supply & control wire intake
⑥ Digital remote controller

SDR3150156
SDR3150157
SDR3150158

DUCT TYPE

FDR05NY1

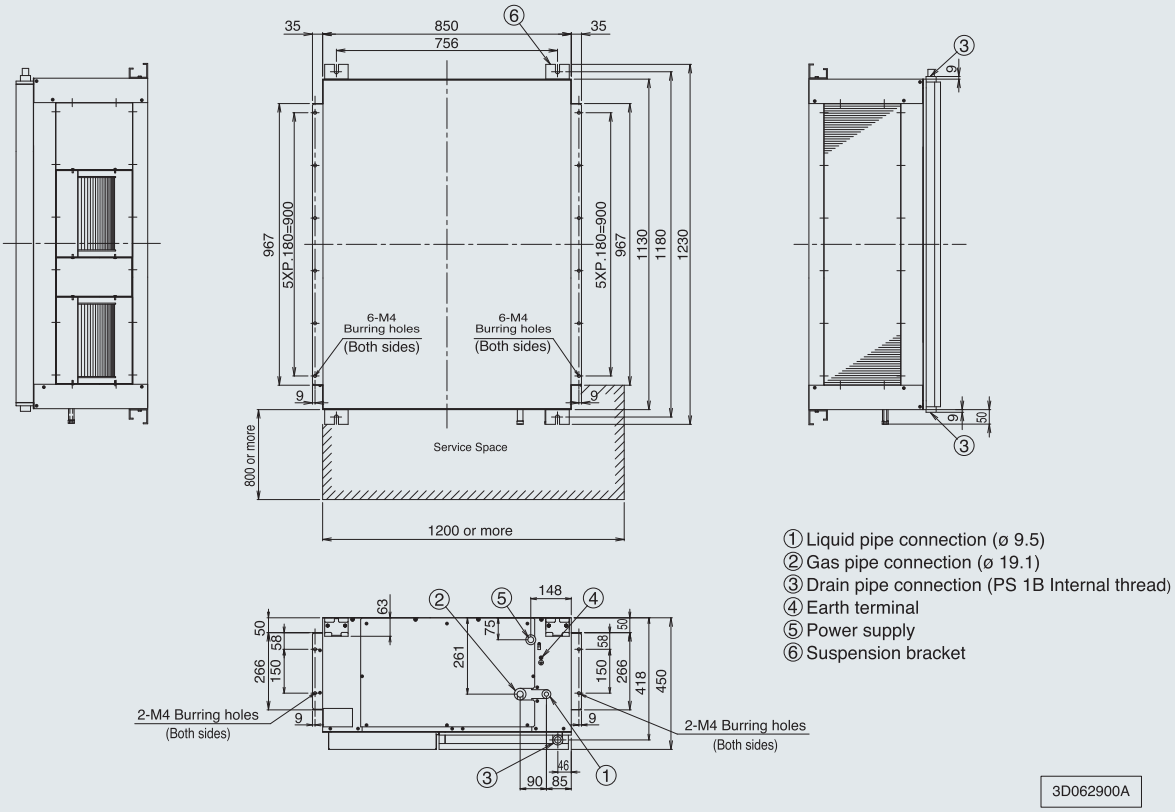


① Liquid pipe connection (ø 9.5)
② Gas pipe connection (ø 19.1)
③ Drain pipe connection (PS 1B Internal thread)
④ Earth terminal
⑤ Power supply
⑥ Suspension bracket

3D062899A

DUCT TYPE

FDR06NY1



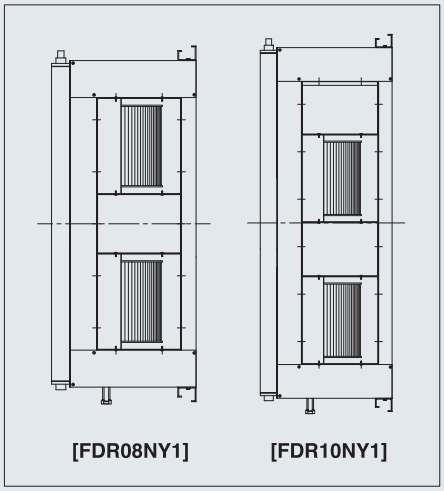
① Liquid pipe connection (ø 9.5)
② Gas pipe connection (ø 19.1)
③ Drain pipe connection (PS 1B Internal thread)
④ Earth terminal
⑤ Power supply
⑥ Suspension bracket

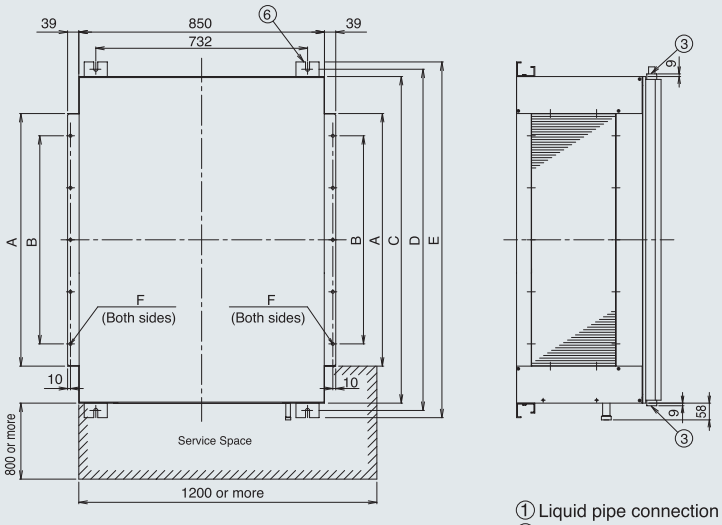
3D062900A

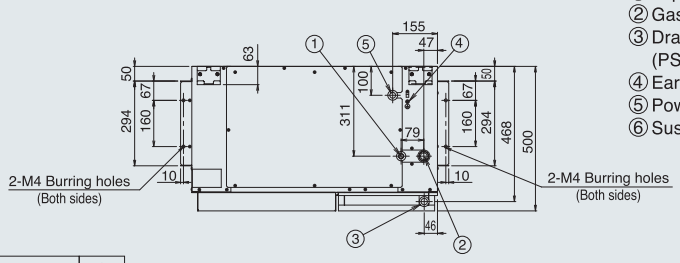
DIMENSIONS (Unit: mm)

DUCT TYPE

FDR08NY1 / 10NY1







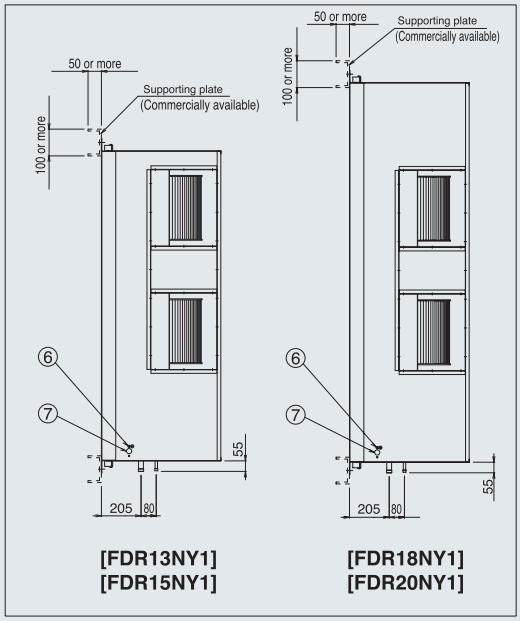
① Liquid pipe connection (ø 12.7)
② Gas pipe connection (G)
③ Drain pipe connection
(PS 1B Internal thread)
④ Earth terminal
⑤ Power supply
⑥ Suspension bracket

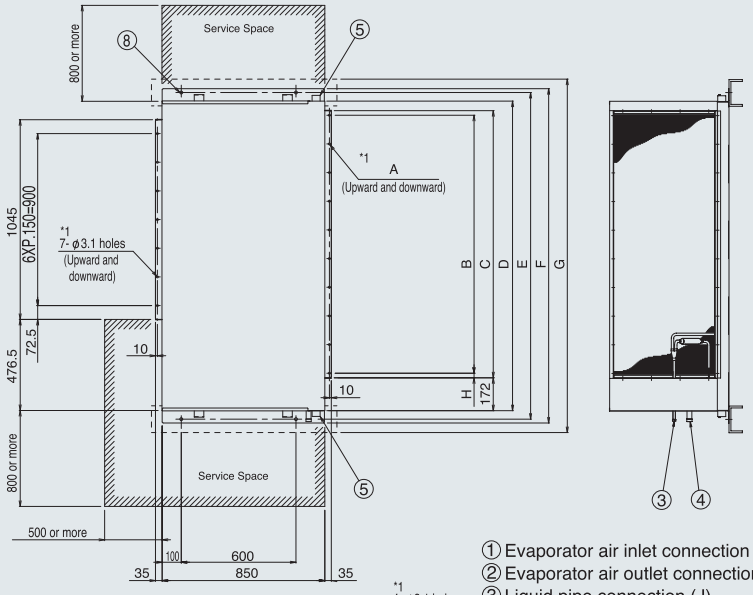
	A	B	C	D	E	F	G
FDR08NY1	876	4XP.180=720	1130	1180	1230	5-M4 Burring holes	ø22.2
FDR10NY1	1076	5XP.180=900	1330	1380	1430	6-M4 Burring holes	ø28.6

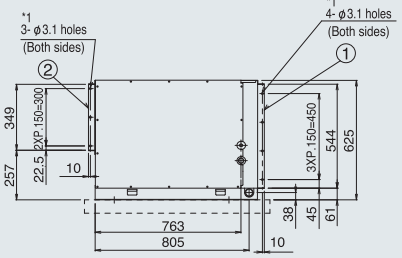
3D062901A
3D062902A

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

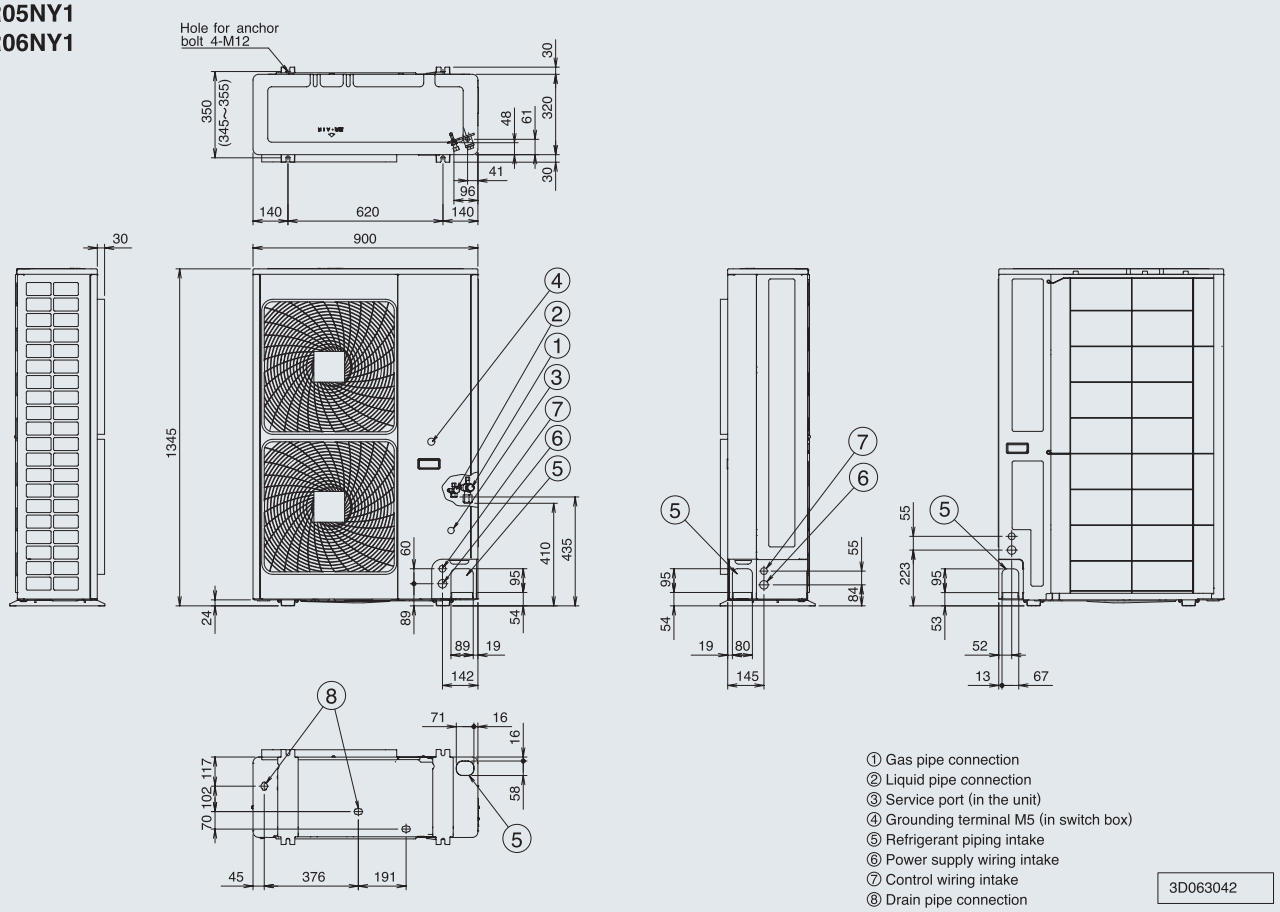
	A	B	C	D	E	F	G	H	J	K
FDR13NY1	10- ø3.1 holes	9XP.150=1350	1402	1620	1710	1750	1770	24	ø12.7	ø28.6
FDR15NY1	10- ø3.1 holes	9XP.150=1350	1402	1620	1710	1750	1770	24	ø15.9	ø34.9
FDR18NY1 FDR20NY1	12- ø3.1 holes	11XP.150=1650	1762	1980	2070	2110	2220	54	ø15.9	ø34.9

Notes: [1]Prepared holes for M4 tapping screw.

3D062912A
3D062913A
3D062914A

OUTDOOR UNIT

RUR05NY1
RUR06NY1

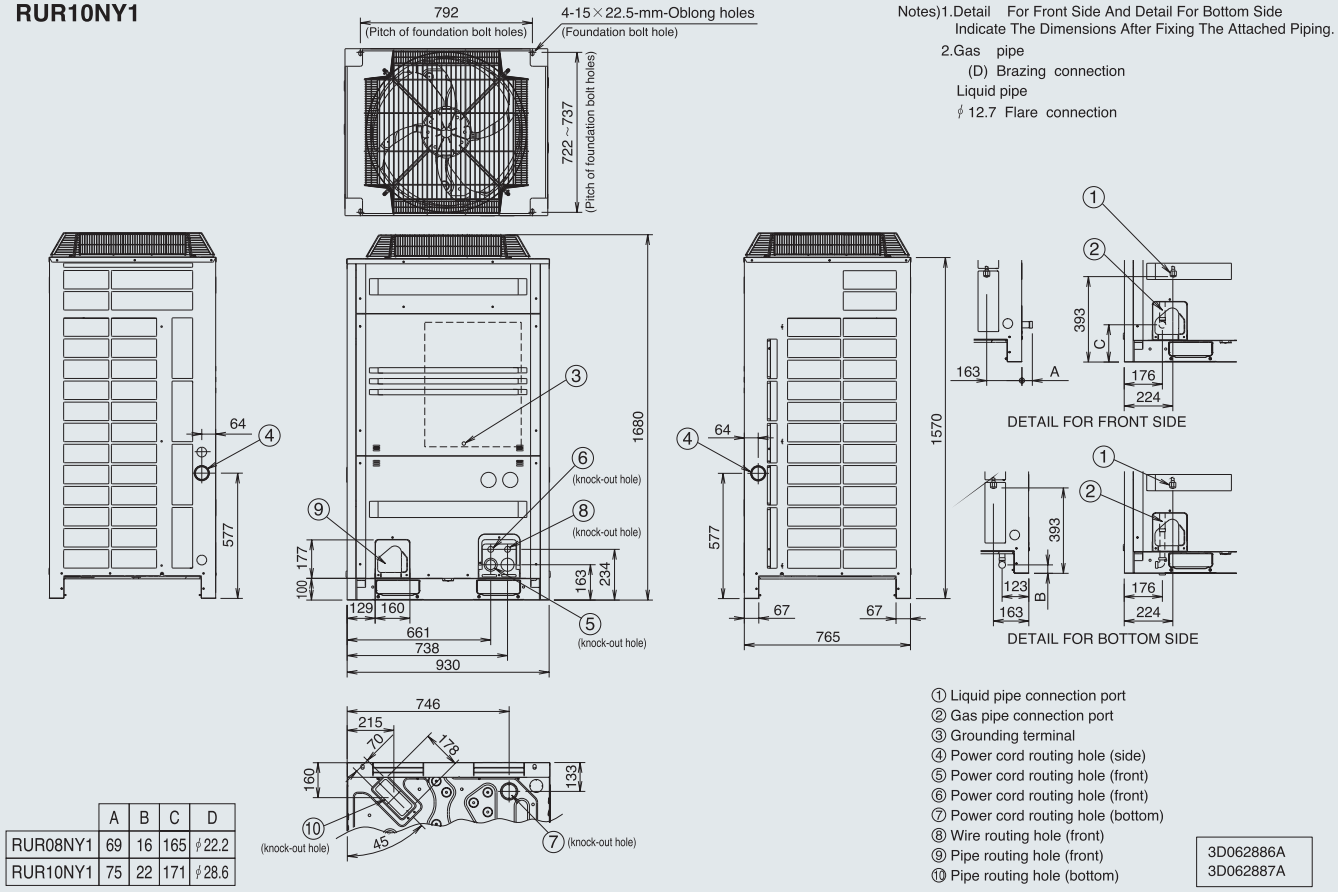


① Gas pipe connection
② Liquid pipe connection
③ Service port (in the unit)
④ Grounding terminal M5 (in switch box)
⑤ Refrigerant piping intake
⑥ Power supply wiring intake
⑦ Control wiring intake
⑧ Drain pipe connection

3D063042

OUTDOOR UNIT

RUR08NY1
RUR10NY1



Notes)1.Detail For Front Side And Detail For Bottom Side
Indicate The Dimensions After Fixing The Attached Piping.
2.Gas pipe
(D) Brazing connection
Liquid pipe
φ 12.7 Flare connection

	A	B	C	D
RUR08NY1	69	16	165	φ22.2
RUR10NY1	75	22	171	φ28.6

① Liquid pipe connection port
② Gas pipe connection port
③ Grounding terminal
④ Power cord routing hole (side)
⑤ Power cord routing hole (front)
⑥ Power cord routing hole (front)
⑦ Power cord routing hole (bottom)
⑧ Wire routing hole (front)
⑨ Pipe routing hole (front)
⑩ Pipe routing hole (bottom)

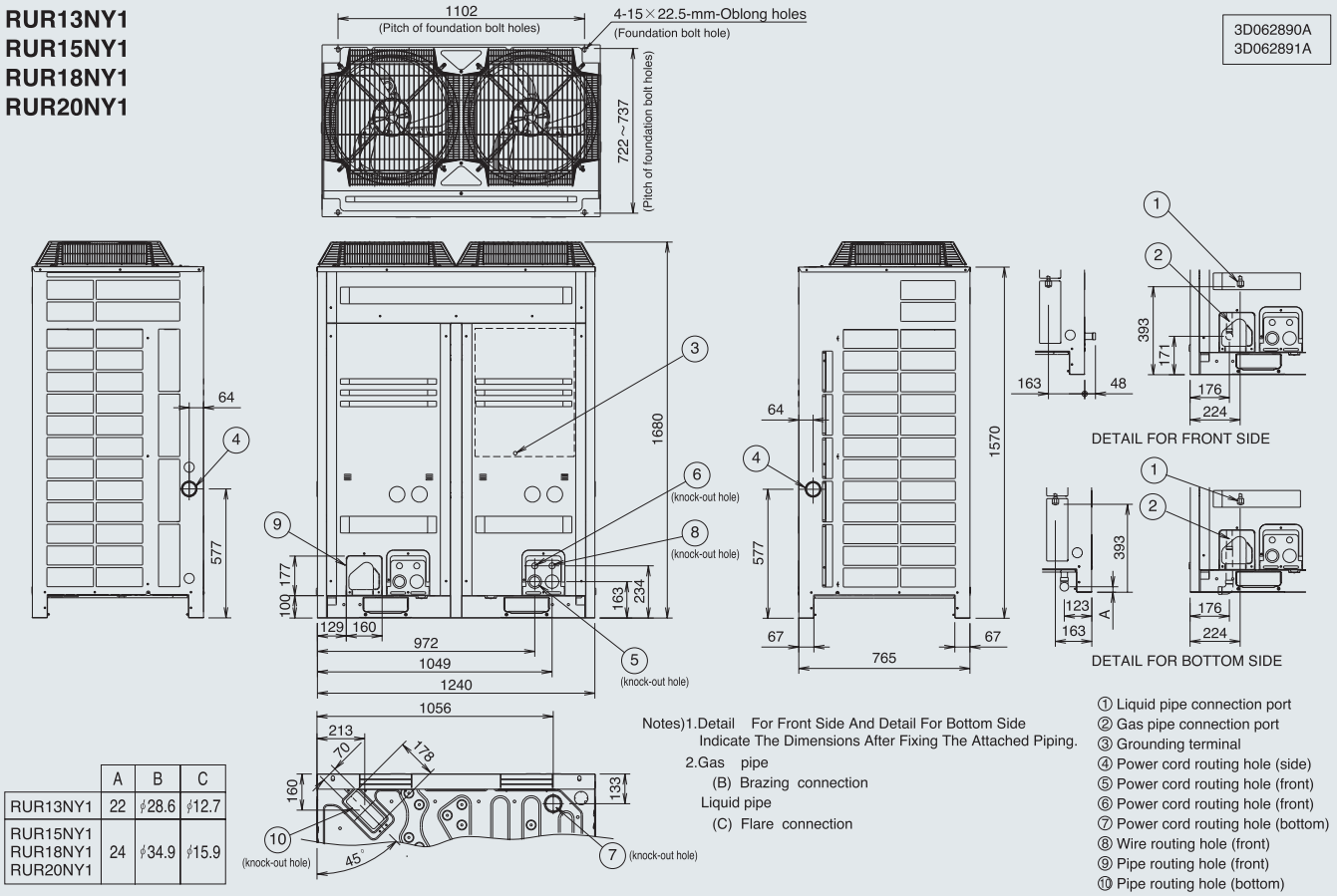
3D062886A
3D062887A

DIMENSIONS (Unit: mm)

OUTDOOR UNIT

RUR13NY1
RUR15NY1
RUR18NY1
RUR20NY1

3D062890A
3D062891A



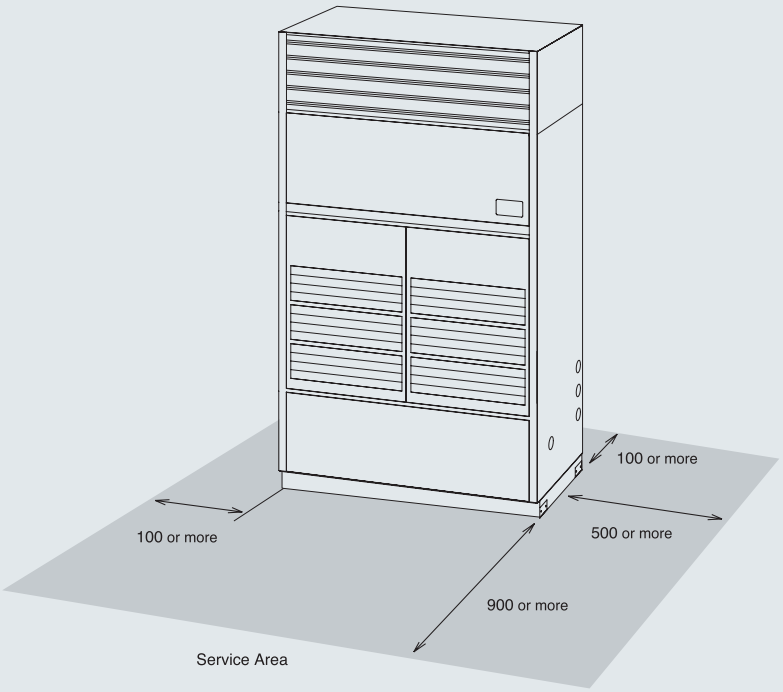
	A	B	C
RUR13NY1	22	ϕ28.6	ϕ12.7
RUR15NY1 RUR18NY1 RUR20NY1	24	ϕ34.9	ϕ15.9

Notes)1.Detail For Front Side And Detail For Bottom Side
Indicate The Dimensions After Fixing The Attached Piping.
2.Gas pipe
(B) Brazing connection
Liquid pipe
(C) Flare connection

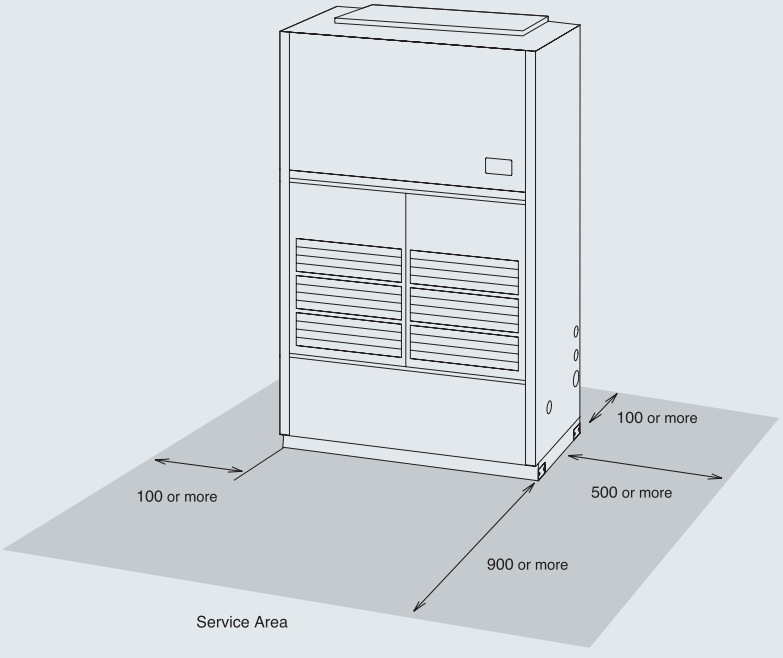
① Liquid pipe connection port
② Gas pipe connection port
③ Grounding terminal
④ Power cord routing hole (side)
⑤ Power cord routing hole (front)
⑥ Power cord routing hole (front)
⑦ Power cord routing hole (bottom)
⑧ Wire routing hole (front)
⑨ Pipe routing hole (front)
⑩ Pipe routing hole (bottom)

Space required for indoor unit installation (Unit: mm)

FVGR05NV1
FVGR06NV1
FVGR08NV1
FVGR10NV1



FVPGR10NY1
FVPGR13NY1
FVPGR15NY1
FVPGR18NY1
FVPGR20NY1



Space required for outdoor unit installation (Unit: mm)

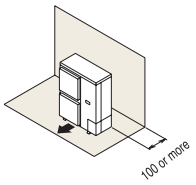
■ For RUR05NY1/06NY1

When there is an obstruction on the inlet side

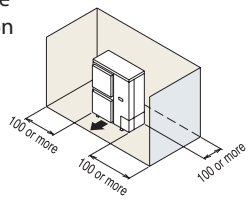
When the overhead space is open

1. For single unit installation

When there is an obstruction only on the inlet side

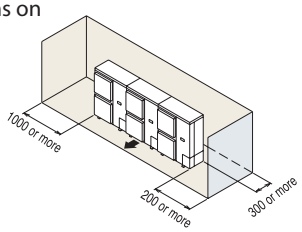


When there are obstructions on both sides



2. For series installation (more than two units)

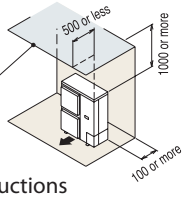
When there are obstructions on both sides



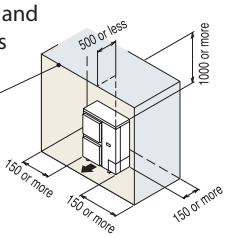
When there is an obstruction in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

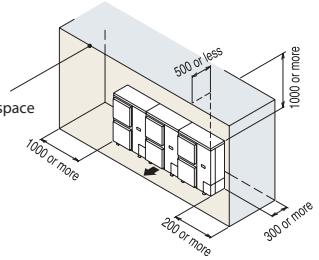


When there are obstructions on the inlet side and both lateral sides



2. For series installation (more than two units)

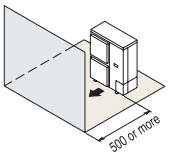
When there are obstructions on the inlet side and both lateral sides



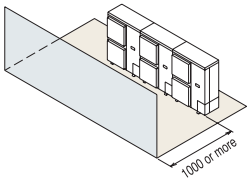
When there is an obstruction on the outlet side

When the overhead space is open

1. For single unit installation

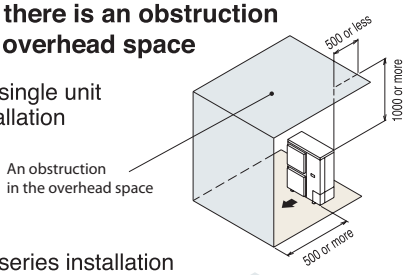


2. For series installation (more than two units)

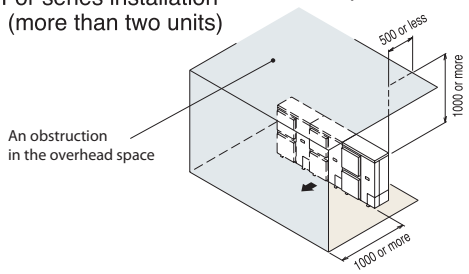


When there is an obstruction in the overhead space

1. For single unit installation



2. For series installation (more than two units)



When there are obstructions on both the inlet and outlet sides

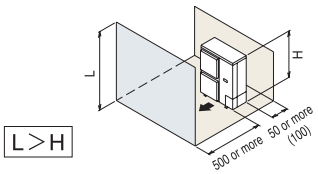
Pattern 1

For other patterns, please refer to engineering databook.

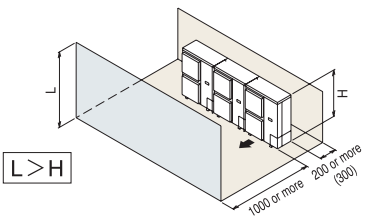
When the obstruction on the outlet side is higher than the unit itself (There is no limit to the height of the obstruction on the outlet side.)

When the overhead space is open

1. For single unit installation



2. For series installation (more than two units)

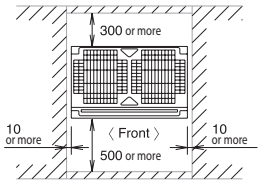


For RUR08NY1/10NY1/13NY1/15NY1/18NY1/20NY1

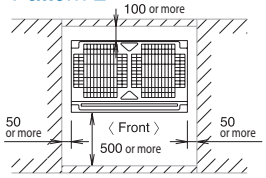
(Please refer to engineering databook for other installation patterns.)

For single unit installation

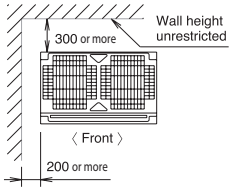
Pattern 1



Pattern 2

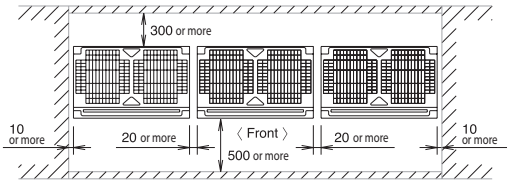


Pattern 3

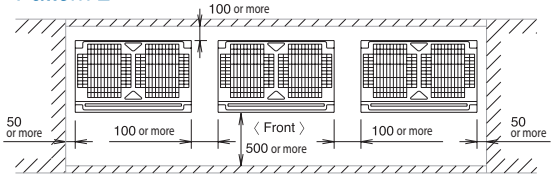


For installation in rows

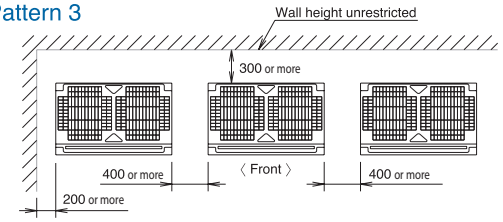
Pattern 1



Pattern 2

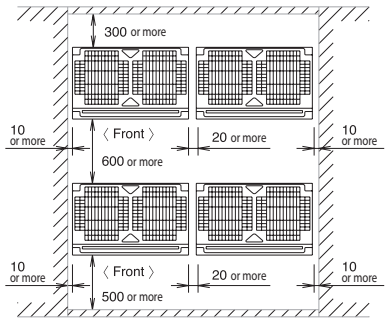


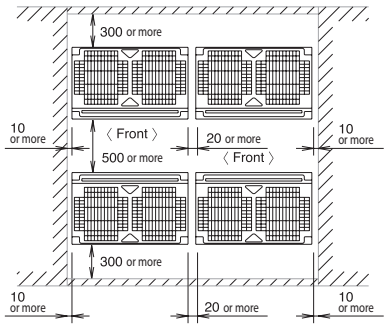
Pattern 3



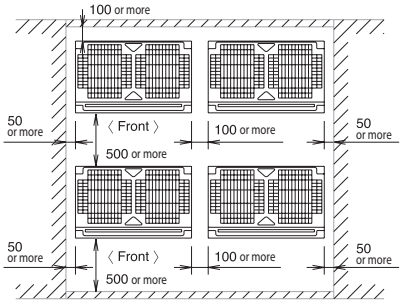
For centralized group layout

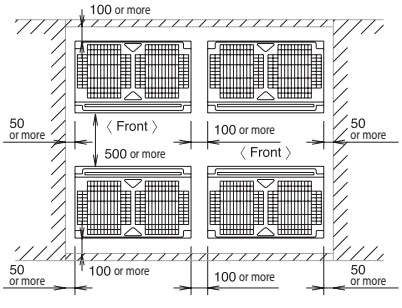
Pattern 1





Pattern 2





〈 Unit : mm 〉

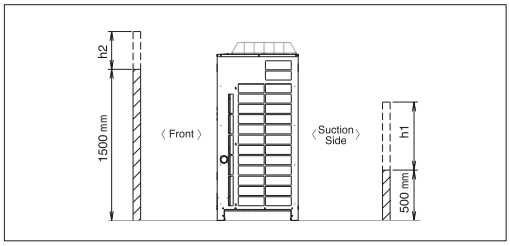
Notes:

[1]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.

[2]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.

[3]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.)

[4]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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