



Perfecting the Air



DIRECT AIR BLOW



DUCT CONNECTION



DUCT TYPE



OUTDOOR UNIT

FLOOR STANDING TYPE

INVERTER AIR COOLED PACKAGED AIR CONDITIONERS

FLOOR STANDING TYPE
DUCT TYPE

R-410A

COOLING ONLY 50Hz



Inverter Packaged Air Conditioner Line Up for Factories and Offices

Product Line Up **R-410A**

FLOOR STANDING TYPE

Cooling only

50Hz

Capacity		kW	21.7	28.1	44	51.6
		Btu/h	74,000	96,000	150,000	176,000
FLOOR STANDING TYPE	DIRECT AIR BLOW Specifications Page 5					
			FVGR08PV2S	FVGR10PV2S		
FLOOR STANDING TYPE	DUCT CONNECTION Specifications Page 5					
				FVPR10PY2S	FVPR15PY2S	FVPR18PY2S
OUTDOOR UNIT						
			RZUR08PY2S	RZUR10PY2S	RZUR15PY2S	RZUR18PY2S

DUCT TYPE

Cooling only

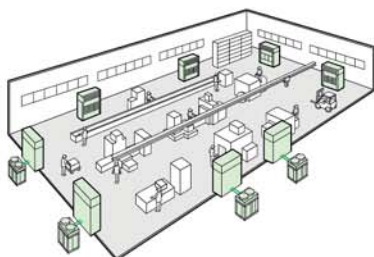
50Hz

Capacity		kW	21.7	28.1	44	51.6
		Btu/h	74,000	96,000	150,000	176,000
DUCT TYPE Specifications Page 6						
			FDR08PY2S	FDR10PY2S	FDR15PY2S	FDR18PY2S
OUTDOOR UNIT						
			RZUR08PY2S	RZUR10PY2S	RZUR15PY2S	RZUR18PY2S

DIRECT AIR BLOW

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.

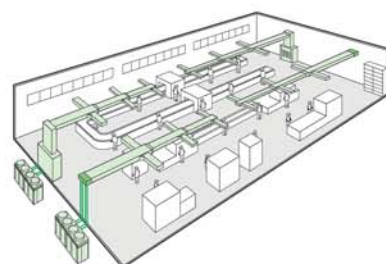


DUCT CONNECTION DUCT TYPE

Air blow via connected ducts

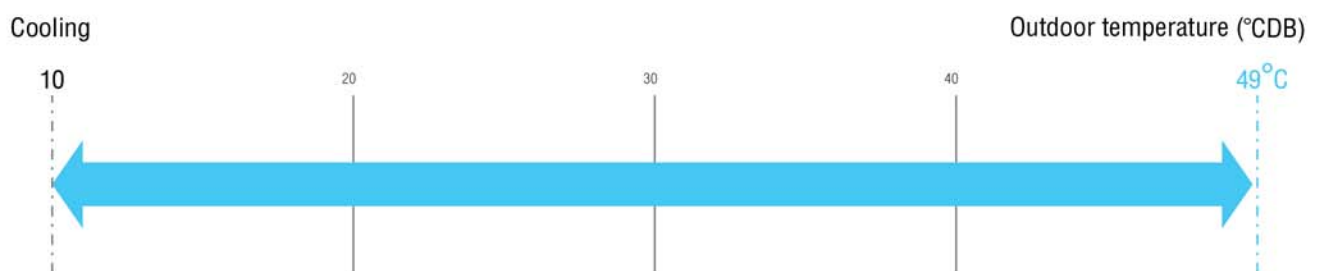
- Comfortable air conditioning of the entire factory by connecting a blow duct at the top of the indoor unit.

Note: Ducts to be procured locally.





■ Extended operation range up to 49°C

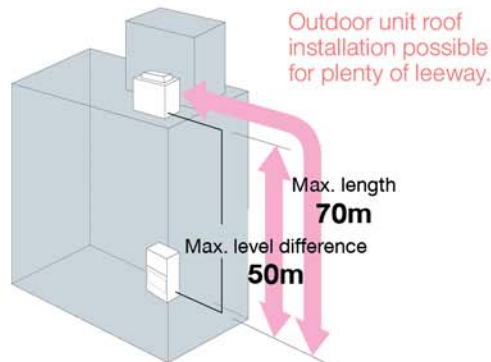


Note: When outdoor temperature falls below 10°C , the thermostat shuts OFF, the outdoor unit stops, and operation switches from cooling to fan operation.

Design flexibility

Designed for long refrigerant piping

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



High external static pressure

The outdoor unit has been achieved high external static pressure up to 78.4 Pa, ensuring the efficient heat dissipation and stable operation of equipment in either hierarchical or intensive arrangement.



Nighttime quiet operation function

The nighttime quiet operation function automatically suppresses the nighttime operating sound by reducing operation capacity to maintain the quiet environment of the neighborhood. Three selectable modes are available depending on the required level.

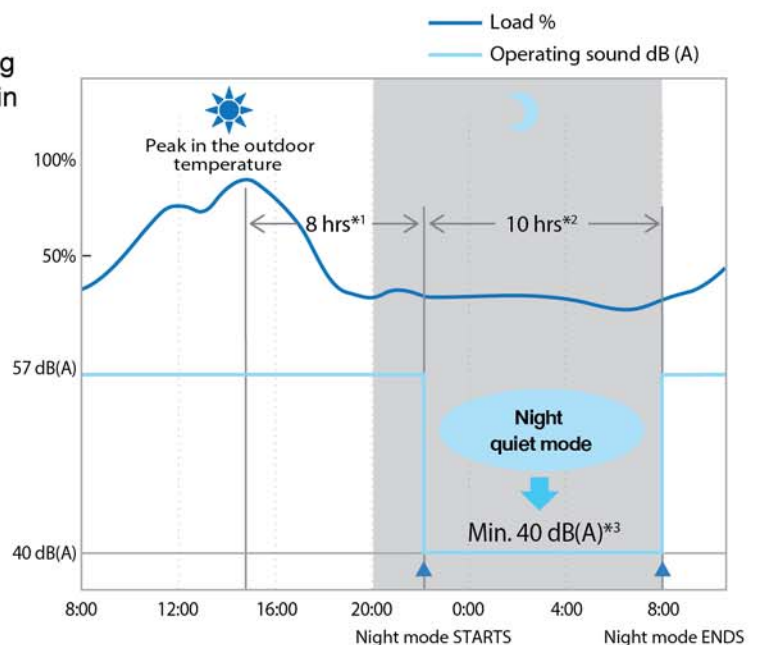
*1. Initial setting is 8 hours. Can be selected from 6, 8 and 10 hours.

*2. Initial setting is 9 hours. Can be selected from 8, 9 and 10 hours.

*3. In case of RZUR10PY2S.

Notes: • This function is available in setting at site.

- The operating sound in quiet operation mode is the actual value measured by our company.
- The relationship of outdoor temperature (load) and time shown above is just an example.



Reliability

Backup operation function



Centralized management system extension

Centralized management can integrate with D-BACS system with high speed data transfer. Centralized control is now available when using with Inverter packaged air conditioners. Display of air filter cleaning times and self-inspection function for simple maintenance.

High efficiency integrated control

Intelligent Touch Manager

Lighting and ventilation control, energy use can be monitored and managed by one controller.

10.4 inch width touch screen

Enhanced varieties of factory modification

○ Standard model
□ Factory modification

Factory Modification	Floor Standing Type		Duct Type
	Direct Air Blow	Duct Connection	
Change fan motor and pulley	–	□	□
Discharge grill plenum chamber	○	□	□
Side discharge grill on discharge plenum chamber	□	□	–
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	–	□	–
Rear suction	–	□	–
Drain pump	□	□	–
Change 2 blowers to reduce noise for direct flow	–	□*	–
2 step airflow by toggle switch	□	–	–

Note:
* For FVPR18PY2S only

Specifications

■ FLOOR STANDING TYPE

DIRECT AIR BLOW

Model Name	Indoor unit		FVGR08PV2S		FVGR10PV2S		
	Outdoor unit		RZUR08PY2S		RZUR10PY2S		
Cooling capacity ^{*1} (Max.)		Btu/h	74,000		96,000		
		kW	21.7		28.1		
Power consumption ^{*1}		kW	7.65		9.36		
Indoor unit	Power supply		1 Phase, 220 V, 50 Hz				
	Colour		Ivory White				
	Air flow rate (H)		m³/min		80		
			cfm		2,830		
	Fan	Motor output		1Ø AC 0.245 + 0.245kW			
		Drive		Direct Drive 3 Speed			
	Dimensions (H× W× D)		mm		1,870 × 1,170 × 510		
	Machine weight		kg		149		
Sound level		dB(A)		61			
Drain		mm		PS 1B Internal thread			
Outdoor unit	Power supply		3 Phase, 380–415 V, 50 Hz				
	Colour		Ivory white				
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	3.4×1		4.5×1	
	Air flow rate (H)		m³/min		178		
	Dimensions (H× W× D)		mm		1,657× 930 × 765		
	Machine weight		kg		175		
	Sound level ^{*2}		dB(A)		56		
	Operation range		°CDB		10 to 49		
Refrigerant charge		kg		5.9		6.7	
Refrigerant Piping	Liquid	mm		Ø 9.5 (Brazing)		Ø 22.2 (Brazing)	
	Gas	mm		Ø 19.1 (Brazing)		Ø 22.2 (Brazing)	
Max. piping length		m		70 (equivalent length 90 m)			
Max. level difference		m		50			

■ FLOOR STANDING TYPE

DUCT CONNECTION

Model Name	Indoor unit		FVPR10PY2S		FVPR15PY2S		FVPR18PY2S		
	Outdoor unit		RZUR10PY2S		RZUR15PY2S		RZUR18PY2S		
Cooling capacity*1 (Max.)		Btu/h	96,000		150,000		176,000		
		kW	28.1		44.0		51.6		
Power consumption*1		kW	9.01		18.30		23.06		
Indoor unit	Power supply		3 Phase, 380 V, 50 Hz						
	Colour		Ivory White						
	Air flow rate (H)		m³/min	80		120		162	
			cfm	2,830		4,240		5,720	
	External static pressure ³		Pa	147					
	Fan	Motor output		3Ø AC 1.5kW		3Ø AC 2.2kW		3Ø AC 3.7kW	
		Drive		Belt Drive					
	Dimensions (H×W×D)		mm	1,740 × 1,170 × 510		1,870 × 1,170 × 720		1,870 × 1,470 × 720	
	Machine weight		kg	156		200		250	
	Sound level		dB(A)	61		62		63	
Drain		mm	PS 1B Internal thread						
Outdoor unit	Power supply		3 Phase, 380–415 V, 50 Hz						
	Colour		Ivory white						
	Compressor	Type		Hermetically sealed scroll type					
		Motor output		kW	4.5×1		(3.5×1)+(3.5×1)		(4.9×1)+(4.2×1)
	Air flow rate (H)		m³/min	178		257		297	
	Dimensions (H×W×D)		mm	1,657×930×765		1,657×1,240×765			
	Machine weight		kg	185		260		291	
	Sound level*2		dB(A)	57		60		65	
	Operation range		°CDB	10 to 49					
	Refrigerant charge		kg	6.7		8.2		11.7	
Refrigerant Piping	Liquid	mm	Ø 9.5 (Brazing)		Ø 12.7 (Brazing)		Ø 15.9 (Brazing)		
	Gas	mm	Ø 22.2 (Brazing)		Ø 28.6 (Brazing)				
Max. piping length		m	70 (equivalent length 90 m)						
Max. level difference		m	50						

Note :

*1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.

*2. Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.

When there is concern for noise the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

*3. The value is the external static pressure with standard pulley.

DUCT TYPE

Model Name	Indoor unit		FDR08PY2S	FDR10PY2S	FDR15PY2S	FDR18PY2S
	Outdoor unit		RZUR08PY2S	RZUR10PY2S	RZUR15PY2S	RZUR18PY2S
Cooling capacity*1 (Max.)		Btu/h	74,000	96,000	150,000	176,000
		kW	21.7	28.1	44.0	51.6
Power consumption*1		kW	8.47	10.11	19.34	26.49
Indoor unit	Power supply		3 Phase, 380 V, 50 Hz			
	Colour		Ivory White			
	Air flow rate (H)	m ³ /min	78		166	
		cfm	2,750		5,860	
	External static pressure*3		Pa		98	
	Fan	Motor output	3Ø AC 1.5kW		3Ø AC 3.7kW	
		Drive	Belt drive			
	Dimensions (H× W× D)		mm		500× 1,330× 850	
	Machine weight		kg		625× 1,980× 850	
	Sound level		dB(A)		202	
Drain		mm		53		
				60		
				PS 3/4B Internal thread		
				PS 1B Internal thread		
Outdoor unit	Power supply		3 Phase, 380–415 V, 50 Hz			
	Colour		Ivory white			
	Compressor	Type	Hermetically sealed scroll type			
		Motor output	kW	3.4×1	4.5×1	(3.5×1)+(3.5×1)
	Air flow rate (H)		m ³ /min		178	
	Dimensions (H× W× D)		mm		1,657× 930× 765	
	Machine weight		kg		1,657× 1,240× 765	
	Sound level*2		dB(A)		175	
	Operation range		°CDB		56	
				10 to 49		
Refrigerant charge		kg		5.9		
				6.7		
				8.2		
				11.7		
Refrigerant Piping	Liquid	mm	Ø 9.5(Brazing)		Ø 12.7 (Brazing)	
	Gas	mm	Ø 19.1 (Brazing)		Ø 22.2 (Brazing)	
Max. piping length		m	Ø 28.6 (Brazing)			
Max. level difference		m	70 (equivalent length 90 m)			
			50			

Note :

*1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.

*2. Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode.

When there is concern for noise the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

*3. The value is the external static pressure with standard pulley.

Option

FLOOR STANDING TYPE

Option	Direct Air Blow	Duct Connection		
	FVGR-PV2S	FVPR10PY2S	FVPR15PY2S	FVPR18PY2S
Discharge grill plenum chamber (Including pulley and belt)	—	BPCV10P	BPCV16P	BPCV20P

DUCT TYPE

Option	FDR08/10PY2S	FDR15/18PY2S
Discharge grill plenum chamber (Including pulley and belt)	BPCD10P	BPCD20P

CONTROL SYSTEM

Option	FVGR-PV2S	FVPR-PY2S	FDR-PY2S
Simplified remote controller	—	—	BRC2E61
Navigator remote controller	—	—	BRC1E63
Wiring adaptor for electrical appendices (Group control adaptor)	KRP4AA51 ★		
Adaptor for wiring (operation status output)	BRP11B61		
Remote sensor (for indoor temperature)	BRCS01A-1		
Mounting plate for adaptor PCB	—	—	BRP45A ☆

Note :

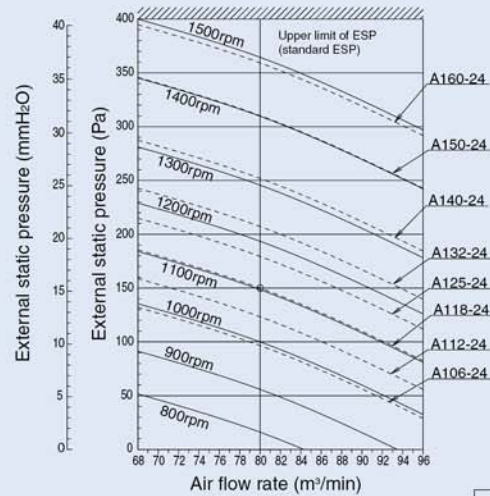
Mounting plate ☆ is necessary for each adaptor marked ★.

FAN PERFORMANCE

FLOOR STANDING TYPE

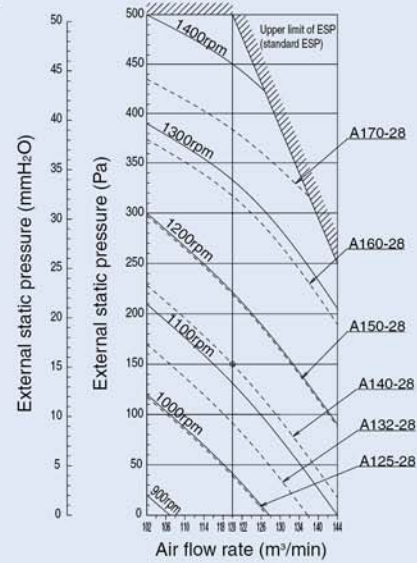
DUCT CONNECTION

FVPR10PY25



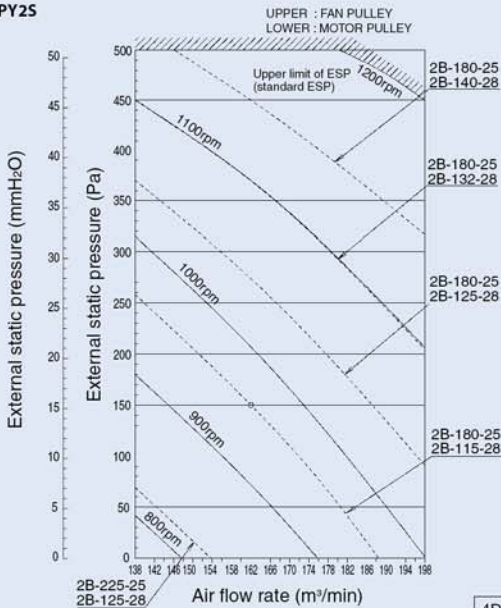
4D064265

FVPR15PY25



4D064275

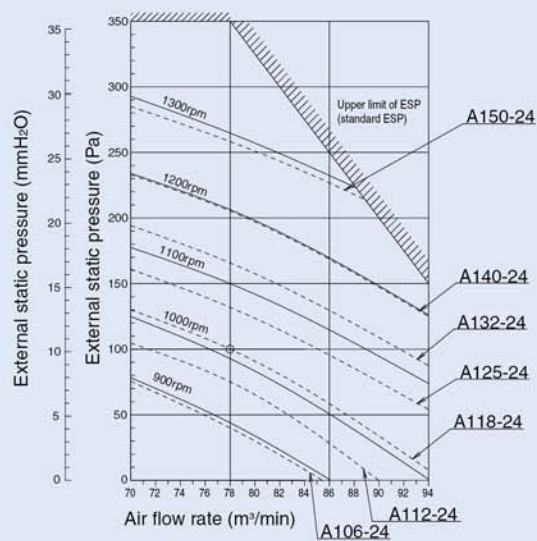
FVPR18PY25



4D064276B

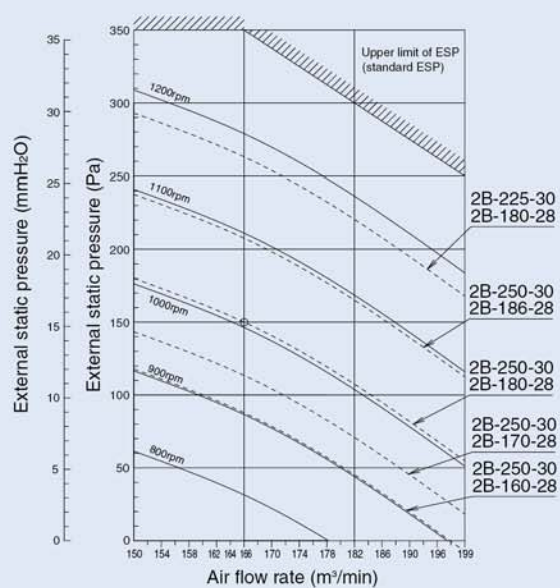
DUCT TYPE

FDR08PY2S
FDR10PY2S



4D064280

FDR15PY2S
FDR18PY2S

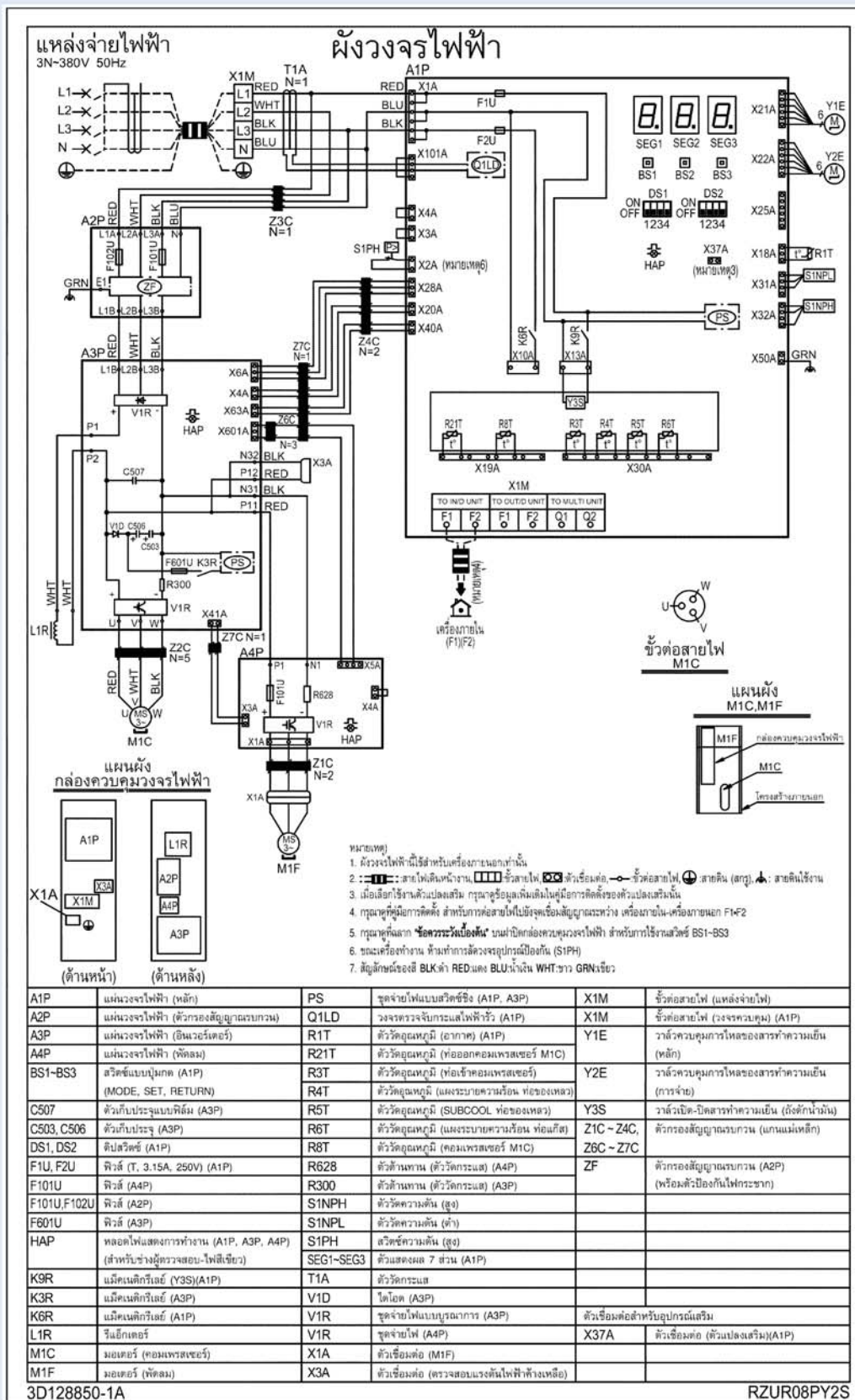


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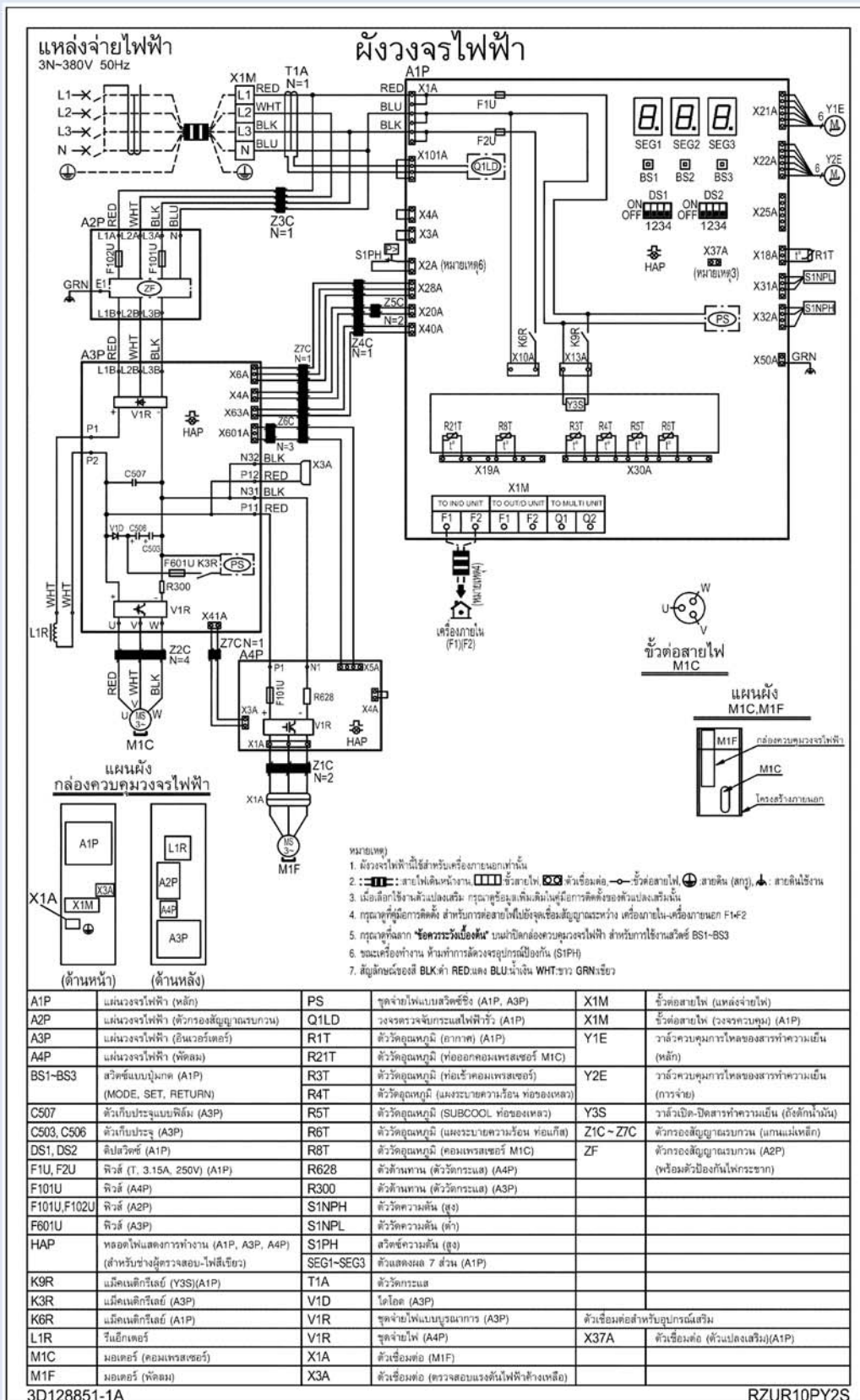
Wiring Diagrams

OUTDOOR UNIT

RZUR08PY2S

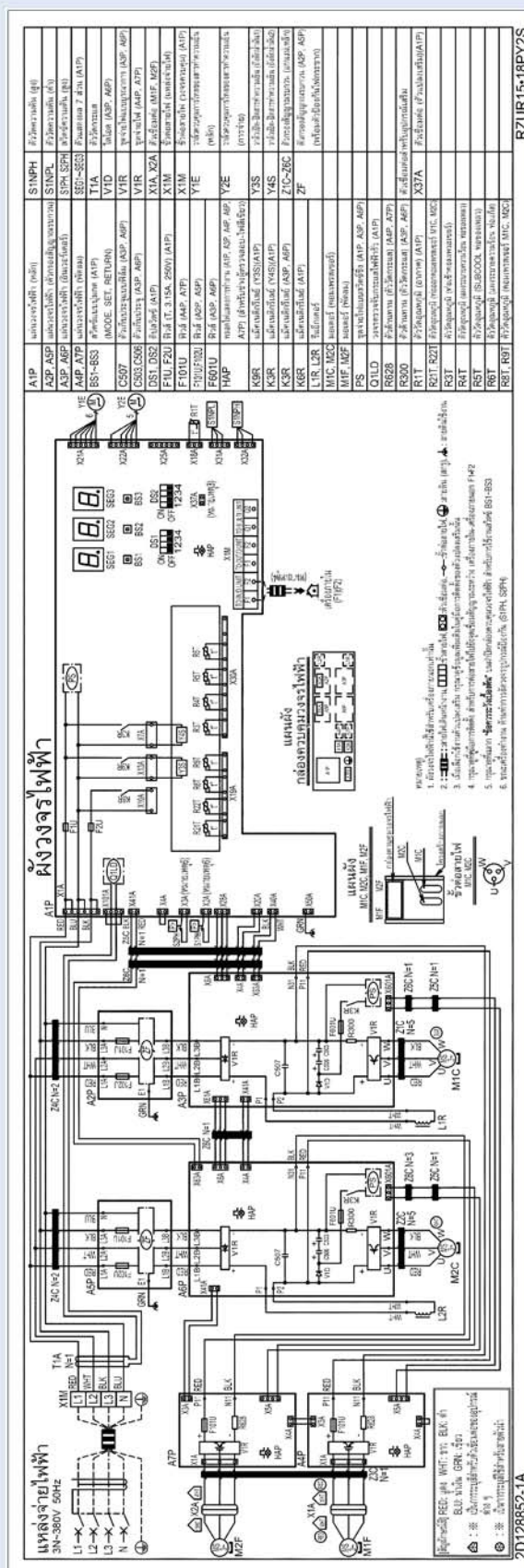


3D128850B



Wiring Diagrams

RZUR15PY2S
RZUR18PY2S



2D128852A

■ OUTDOOR UNIT

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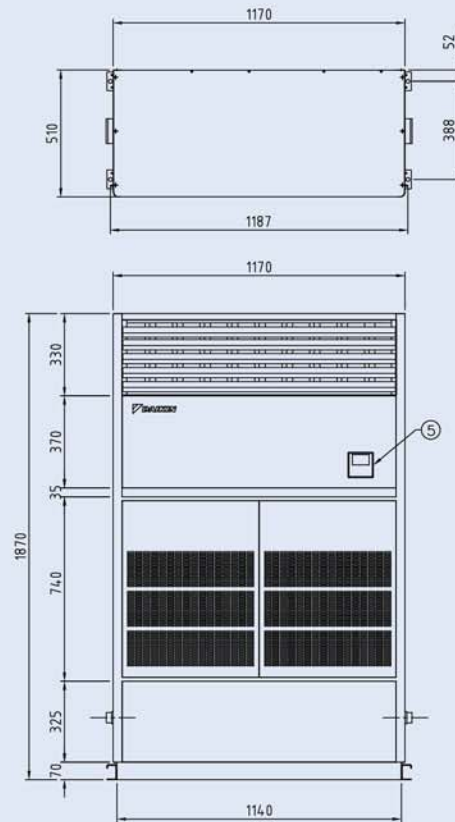
12

DIMENSIONS (Unit: mm)

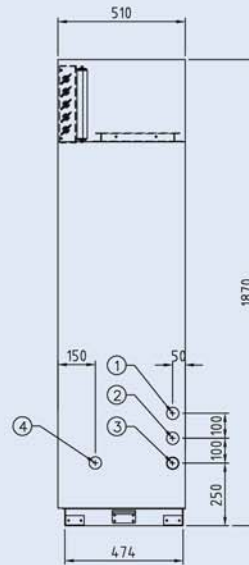
■ FLOOR STANDING TYPE

DIRECT AIR BLOW

FVGR08PV2S
FVGR10PV2S



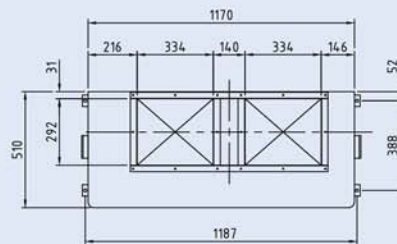
- ① Liquid pipe conn. ϕ 9.52 C1220T brazing
- ② Gas pipe conn.:
 ϕ 19.1 C1220T brazing for FVGR08PV2S
 ϕ 22.2 C1220T brazing for FVGR10PV2S
- ③ Upper drain outlet (PS 1B Internal thread)
- ④ Power supply & control wire intake
- ⑤ Digital remote controller



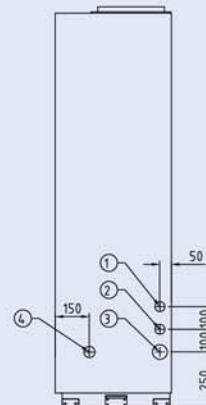
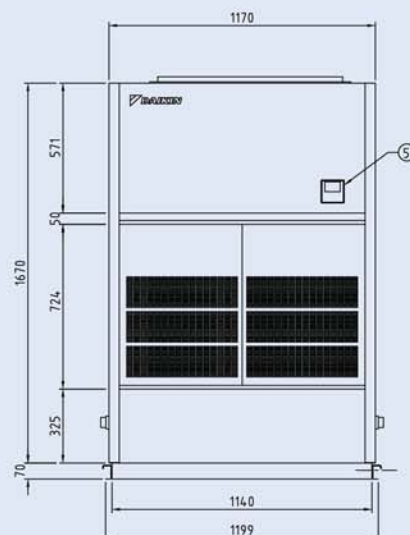
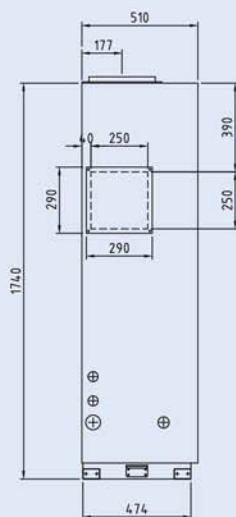
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SDR3150203

DUCT CONNECTION

FVPR10PY2S

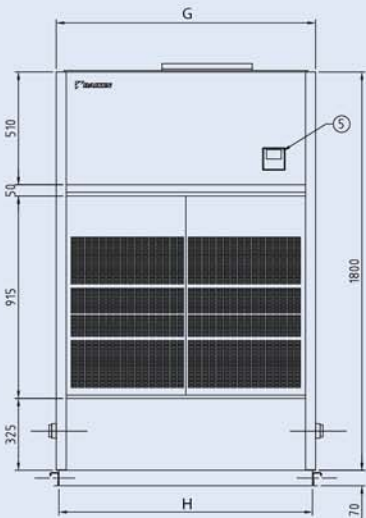
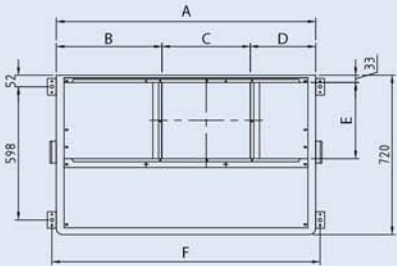


- ① LIQUID PIPE CONN. ϕ 9.52 C1220T BRAZING
- ② GAS PIPE CONN. ϕ 22.2 C1220T BRAZING
- ③ UPPER DRAIN OUTLET PS 1B INTERNAL THREAD
- ④ POWER SUPPLY & CONTROL WIRE INTAKE
- ⑤ DIGITAL REMOTE CONTROLLER



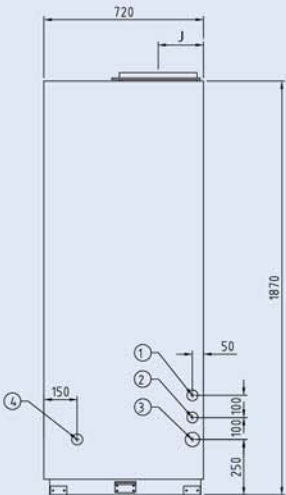
SDR3150204

FVPR15PY2S
FVPR18PY2S



	A	B	C	D	E	F	G	H	J	K
FVPR15PY2S	1170	477	398	295	344	1187	1170	1144	205	φ12.7
FVPR18PY2S	1470	558	474	438	407	1487	1470	1444	237	φ15.9

- ① Liquid pipe conn. (K) 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

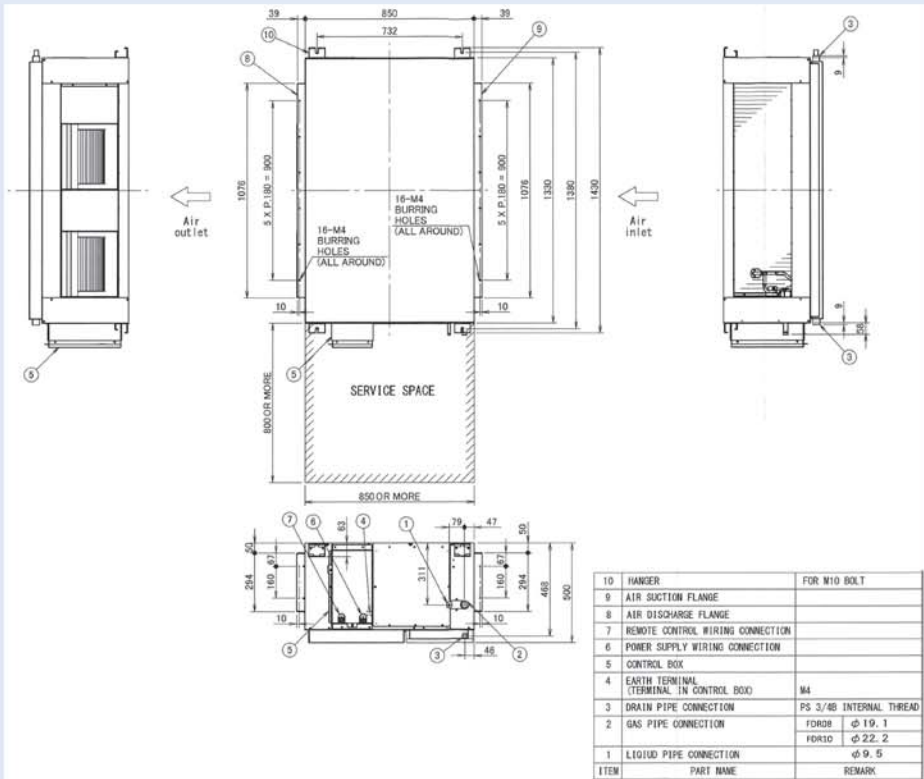


SDR3150205
SDR3150206

DIMENSIONS (Unit: mm)

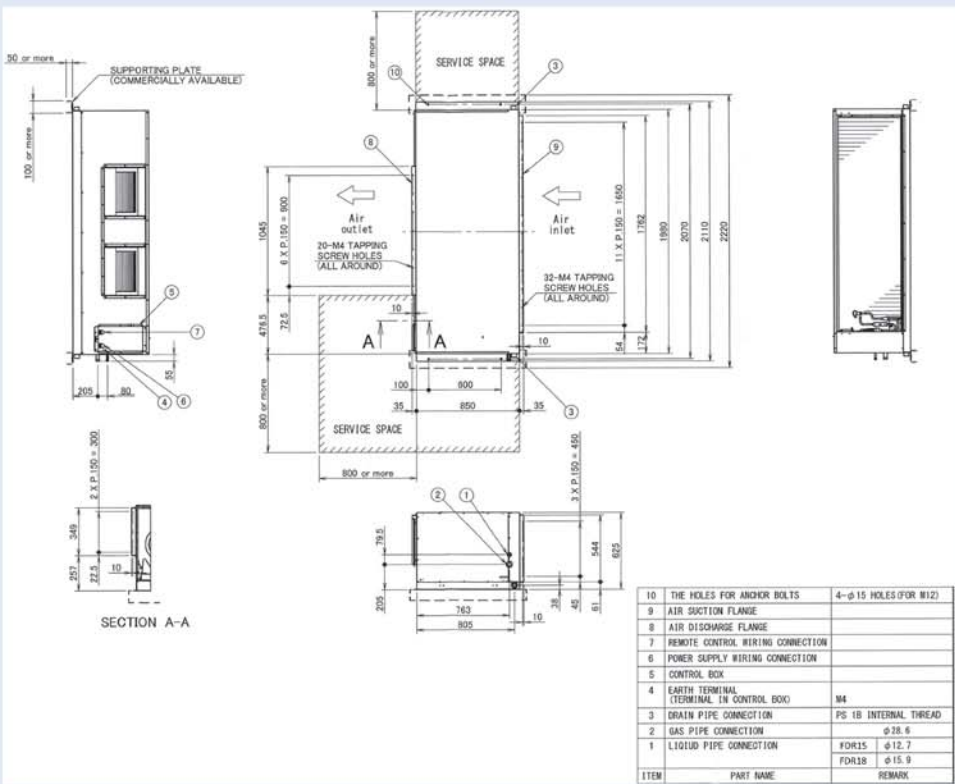
DUCT TYPE

FDR08PY2S
FDR10PY2S



SDR4140107

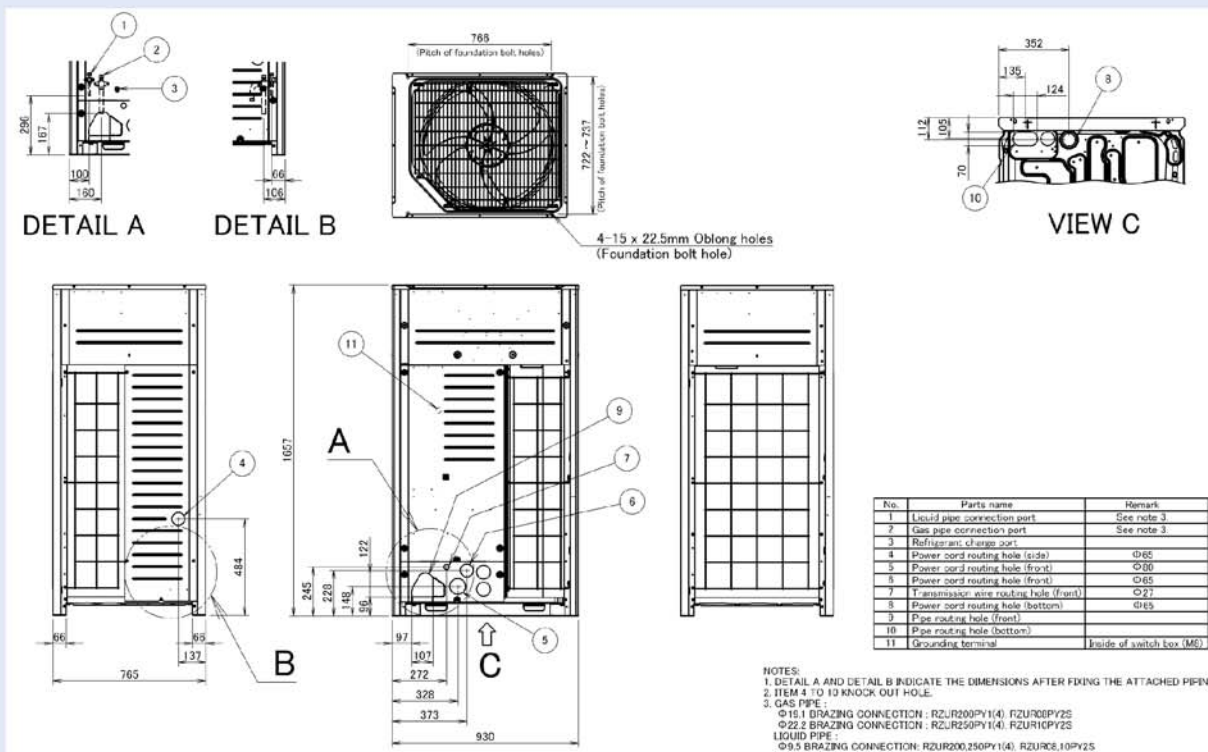
FDR15PY2S
FDR18PY2S



SDR4140108

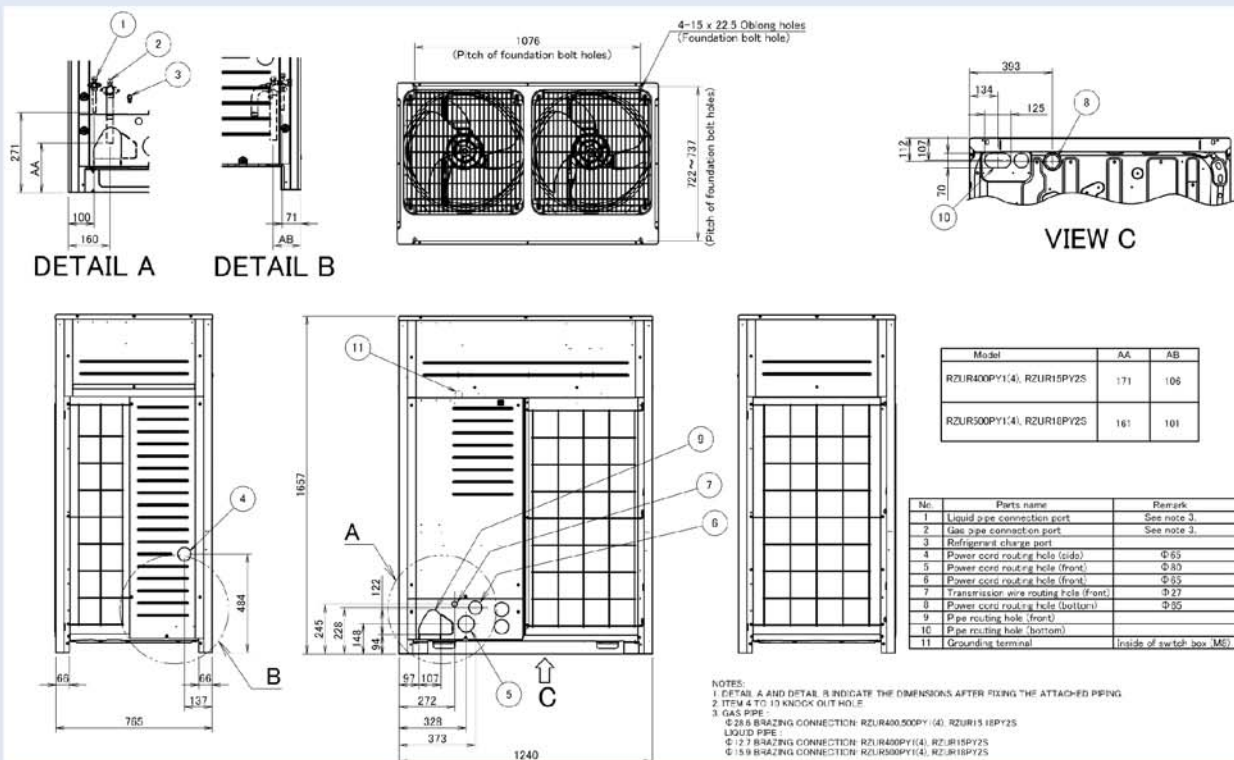
OUTDOOR UNIT

RZUR08PY2S RZUR10PY2S



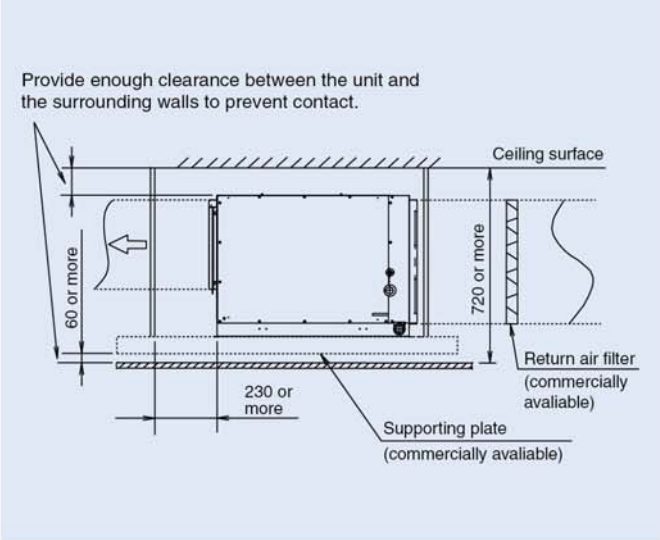
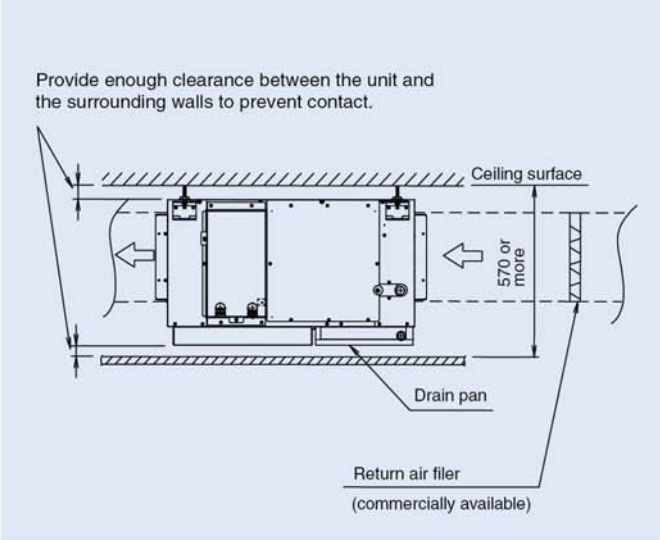
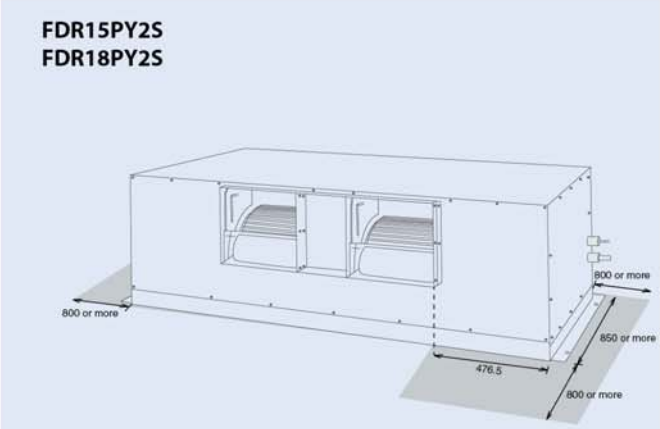
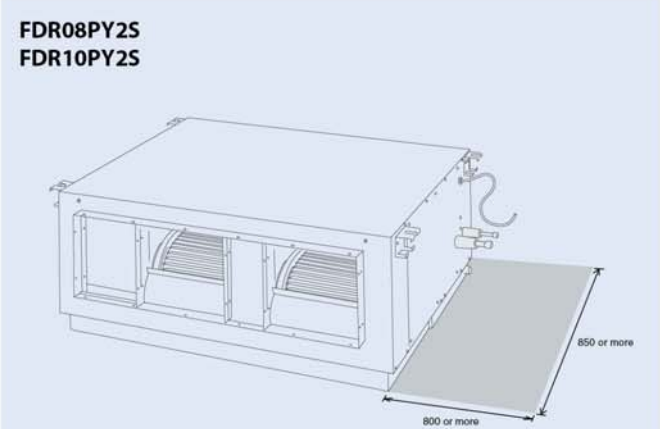
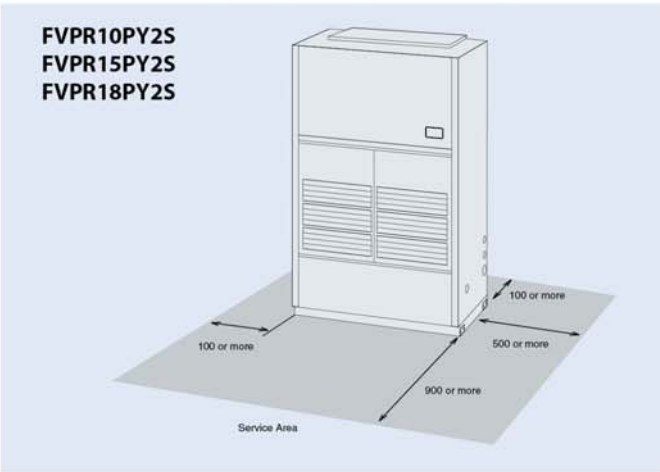
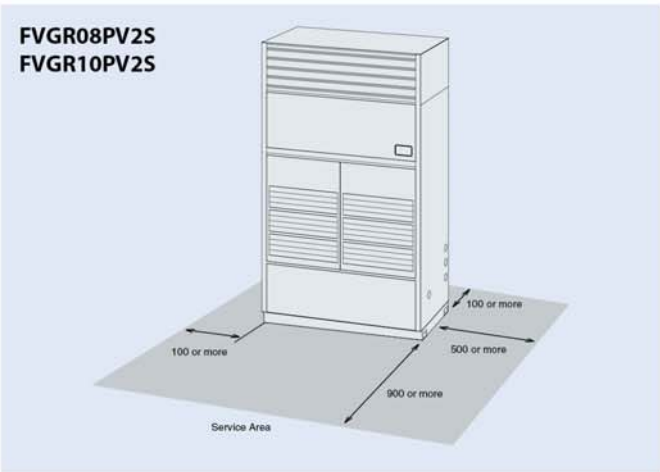
3D129057

RZUR15PY2S RZUR18PY2S

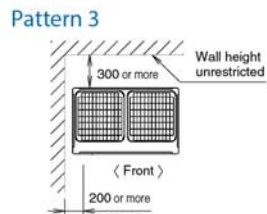
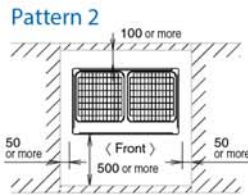
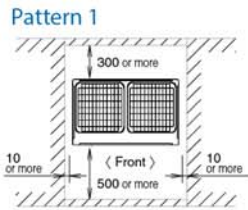


3D129058A

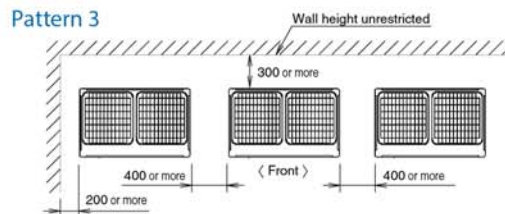
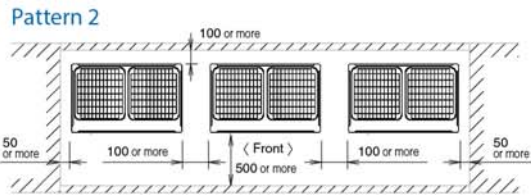
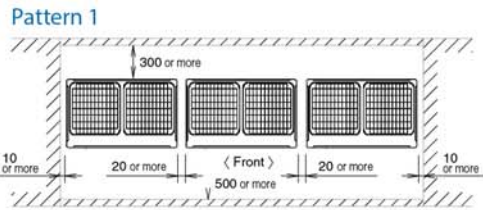
Space required for indoor unit installation (Unit: mm)



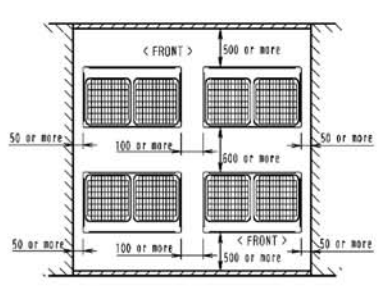
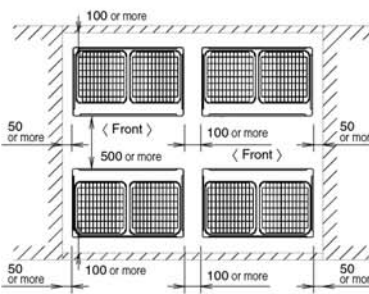
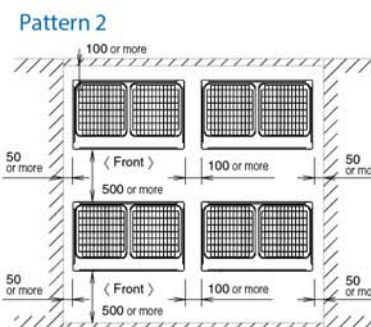
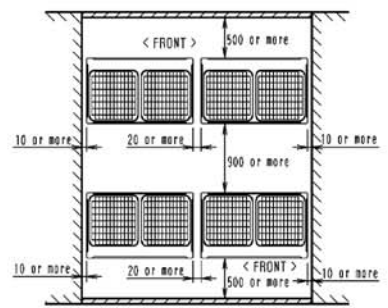
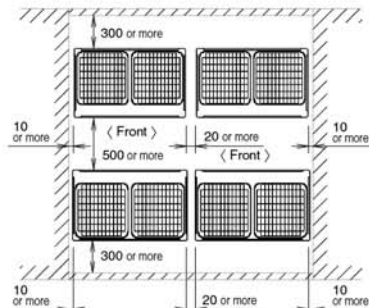
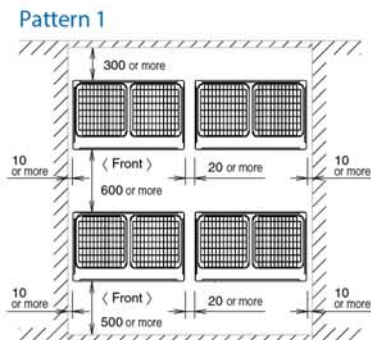
For single unit installation



For installation in rows



For centralized group layout



(Unit : mm)

Notes:

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

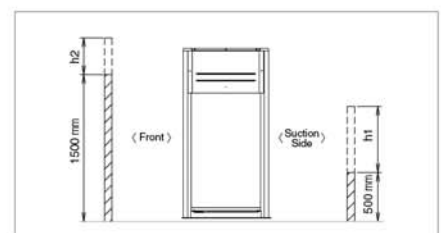
Front : 1500 mm

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 $h_2/2$ and $h_1/2$ 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.

Notice

- About harmonics, since this product is equipped with an inverter, harmonics will be generated. If local laws require the suppression of harmonics on the building, please take harmonic suppression measures on the electrical equipment side. Please contact your local sales company for details.

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.

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