DAIKIN

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.
- 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.

Notice

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.

Notice about harmonics

1. Since this machine is equipped with an inverter, harmonics will be generated.
2. If local laws require the suppression of harmonics on the building, please take harmonic suppression measures on the electrical equipment side.

DAIKIN

CÔNG TY CỔ PHẦN DAIKIN AIR CONDITIONING (VIETNAM)

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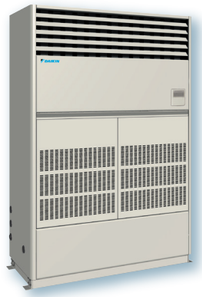
Specifications, designs and other content appearing in this brochure are current as of September 2020 but subject to change without notice.

DAIKIN

Perfecting the Air

PCTPMT2012



DIRECT AIR BLOW

DUCT CONNECTION

FLOOR STANDING TYPE

DUCT TYPE

OUTDOOR UNIT

INVERTER AIR COOLED PACKAGED AIR CONDITIONERS

FLOOR STANDING TYPE

DUCT TYPE

R-410A

COOLING ONLY 50Hz

INVERTER

Inverter Packaged Air Conditioner Line Up for Factories and Offices

Product Line Up R-410A

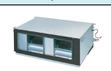
FLOOR STANDING TYPE — Cooling only

50Hz

Capacity	kW	20.0	26.7	40.0	50.0
	Btu/h	68,000	91,000	136,000	171,000
FLOOR STANDING TYPE — DIRECT AIR BLOW (Specifications Page 5)		 FVGR200PV1(4)	 FVGR250PV1(4)		
FLOOR STANDING TYPE — DUCT CONNECTION (Specifications Page 5)			 FVPR250PY1(4)	 FVPR400PY1(4)	 FVPR500PY1(4)
OUTDOOR UNIT		 RZUR200PY1(4)	 RZUR250PY1(4)	 RZUR400PY1(4)	 RZUR500PY1(4)

DUCT TYPE — Cooling only

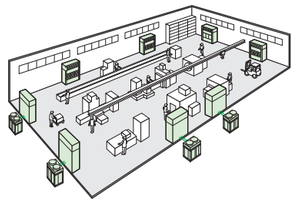
50Hz

Capacity	kW	20.0	26.7	40.0	50.0
	Btu/h	68,000	91,000	136,000	171,000
DUCT TYPE (Specifications Page 6)		 FDR200PY1(4)	 FDR250PY1(4)	 FDR400PY1(4)	 FDR500PY1(4)
OUTDOOR UNIT		 RZUR200PY1(4)	 RZUR250PY1(4)	 RZUR400PY1(4)	 RZUR500PY1(4)

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.

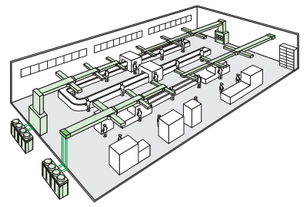


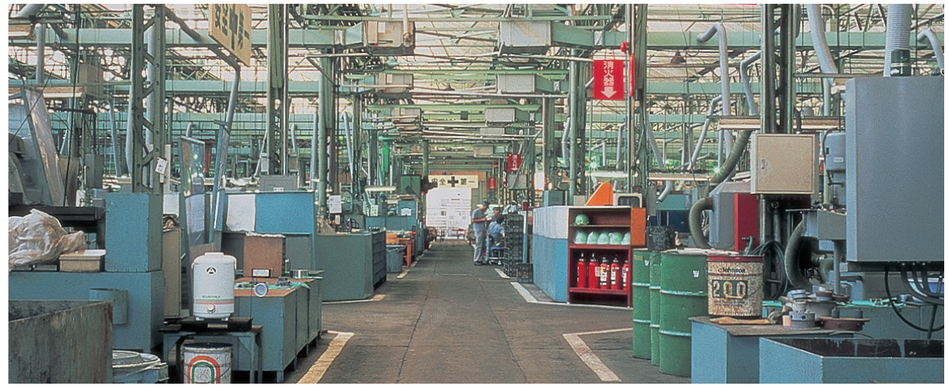
DUCT CONNECTION
DUCT TYPE

Air blow via connected ducts

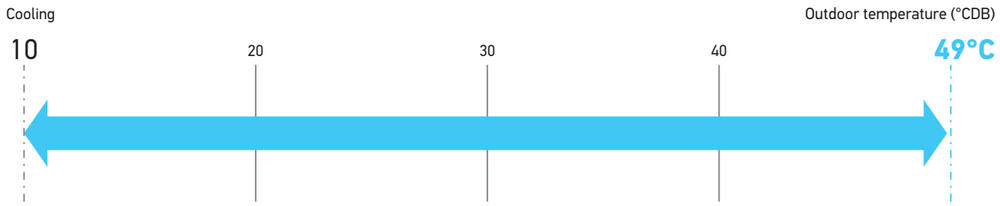
- Comfortable air conditioning of the entire factory by connecting a blow duct at the top of the indoor unit.

Note: Ducts to be procured locally.





Extended operation range up to 49°C

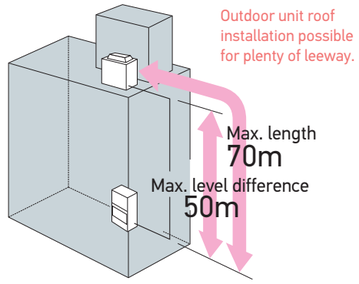


Note: When outdoor temperature falls below 10°C, the thermostat shuts OFF, the outdoor unit stops, and operation switches from cooling to fan operation.

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

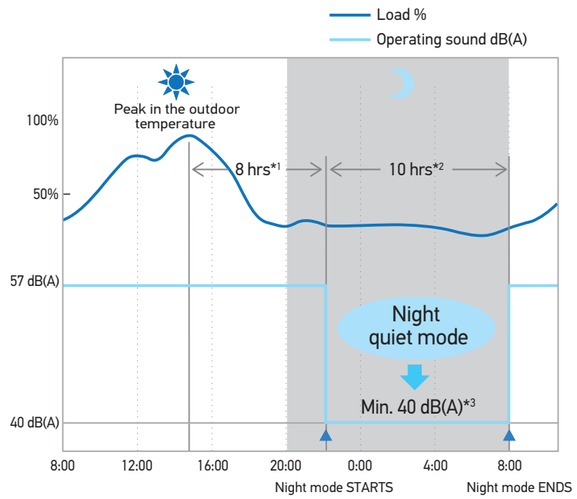
The outdoor unit has been achieved high external static pressure up to 78.4 Pa, ensuring the efficient heat dissipation and stable operation of equipment in either hierarchical or intensive arrangement.

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 RZUR250PY1(4).

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

Compressor backup operation function

* For RZUR400/500PY1(4) models. On-site settings are required using the PCB of the outdoor unit.

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.

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 FVPR500PY1(4) only

Specifications

■ FLOOR STANDING TYPE

DIRECT AIR BLOW

Model Name	Indoor unit			FVGR200PY1(4)	FVGR250PY1(4)
	Outdoor unit			RZUR200PY1(4)	RZUR250PY1(4)
Cooling capacity*1 (Max.)			Btu/h	68,000 (74,000)	91,000 (96,000)
			kW	20.0 (21.7)	26.7 (28.1)
Power consumption*1			kW	7.25	9.64
Indoor unit	Power supply			1 Phase, 220-240 V, 50 Hz	
	Colour			Ivory White	
	Air flow rate (H)		m^3/min	80	
			cfm	2,830	
	Fan	Motor output	kW	0.245×2	
		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)		m^3/min	178	
	Dimensions (H×W×D)		mm	1,657×930×765	
	Machine weight		kg	175	185
	Sound level*2		dB(A)	56	57
	Operation range		°CDB	10 to 49	
	Refrigerant charge		kg	5.9	6.7
Refrigerant Piping	Liquid		mm	Ø 9.5 (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			FVPR250PY1(4)	FVPR400PY1(4)	FVPR500PY1(4)
	Outdoor unit			RZUR250PY1(4)	RZUR400PY1(4)	RZUR500PY1(4)
Cooling capacity*1 (Max.)			Btu/h	91,000 (96,000)	136,000 (150,000)	171,000 (176,000)
			kW	26.7 (28.1)	40.0 (44.0)	50.0 (51.6)
Power consumption*1			kW	9.27	17.02	23.26
Indoor unit	Power supply			3 Phase, 380–415 V, 50 Hz		
	Colour			Ivory White		
	Air flow rate (H)		m^3/min	80	120	162
			cfm	2,830	4,240	5,720
	External static pressure*3		Pa	147		
	Fan	Motor output	kW	1.5	2.2	3.7
		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)		m^3/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			FDR200PY1(4)	FDR250PY1(4)	FDR400PY1(4)	FDR500PY1(4)
	Outdoor unit			RZUR200PY1(4)	RZUR250PY1(4)	RZUR400PY1(4)	RZUR500PY1(4)
Cooling capacity*1 (Max.)			Btu/h	68,000 (74,000)	91,000 (96,000)	136,000 (150,000)	171,000 (176,000)
			kW	20.0 (21.7)	26.7 (28.1)	40.0 (44.0)	50.0 (51.6)
Power consumption*1			kW	8.06	10.39	17.86	26.74
Indoor unit	Power supply			3 Phase, 380–415 V, 50 Hz			
	Colour			Galvanized Steel			
	Air flow rate (H)		m^3/min	78		166	
			cfm	2,750		5,860	
	External static pressure*3		Pa	98		147	
	Fan	Motor output	kW	1.5		3.7	
		Drive		Belt drive			
	Dimensions (H×W×D)		mm	500×1,330×850		625×1,980×850	
	Machine weight		kg	108		191	
	Sound level		dB(A)	53		60	
	Drain		mm	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)	(4.9×1)+(4.2×1)
	Air flow rate (H)		m^3/min	178		257	297
	Dimensions (H×W×D)		mm	1,657×930×765		1,657×1,240×765	
	Machine weight		kg	175	185	260	291
	Sound level*2		dB(A)	56	57	60	65
	Operation range		°CDB	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)	Ø 15.9 (Brazing)
	Gas		mm	Ø 19.1 (Brazing)	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.

Option

FLOOR STANDING TYPE

Option	Direct Air Blow	Duct Connection		
	FVGR-PV1(4)	FVPR250PY1(4)	FVPR400PY1(4)	FVPR500PY1(4)
Discharge grill plenum chamber (Including pulley and belt)	—	BPCV10P	BPCV16P	BPCV20P
Filter chamber for clean room	—	•		

CONTROL SYSTEM

Option	FVGR-PV1(4)	FVPR-PY1(4)	FDR-PY1(4)
Simplified remote controller	—		BRC2E61
Navigator remote controller	—		BRC1E63
Wiring adaptor for electrical appendices (Group control adaptor)	KRP4AA51 H		
Adaptor for wiring (operation status output)	BRP11B61		
Remote sensor (for indoor temperture)	BRCS01A-1		
Mounting plate for adaptor PCB	—		BRP45A I

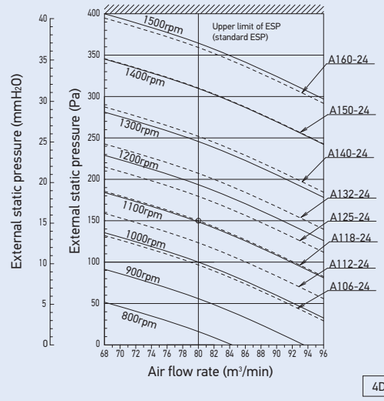
Note :
Mounting plate I is necessary for each adaptor marked H.

FAN PERFORMANCE

■ FLOOR STANDING TYPE

DUCT CONNECTION

FVPR250PY1(4)



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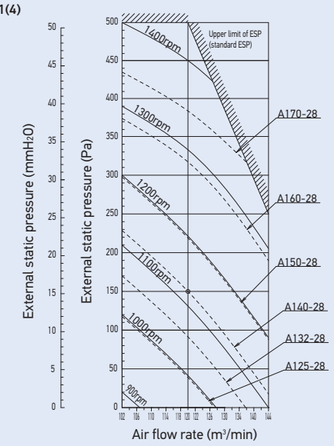
FVPR400PY1(4)



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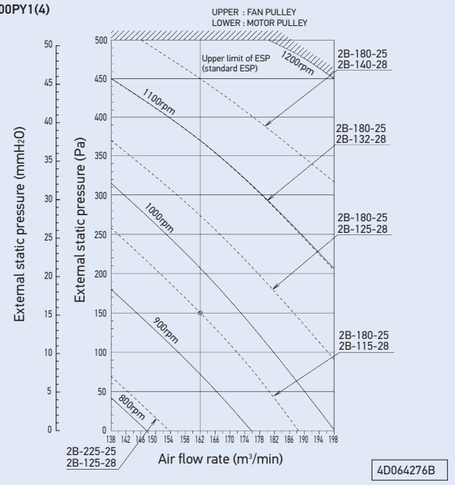
FVPR500PY1(4)



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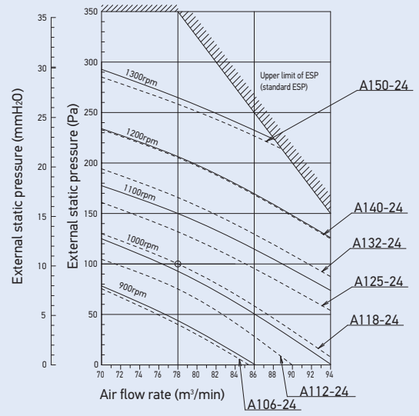
■ DUCT TYPE

FDR200PY1(4)
FDR250PY1(4)



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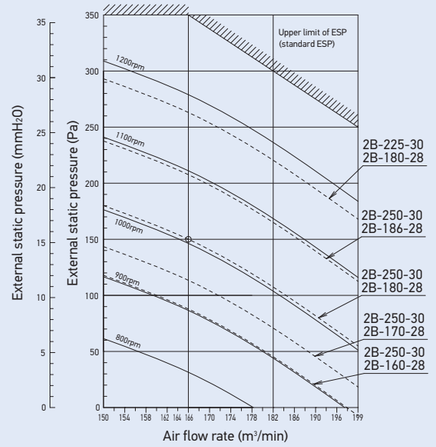
FDR400PY1(4)
FDR500PY1(4)



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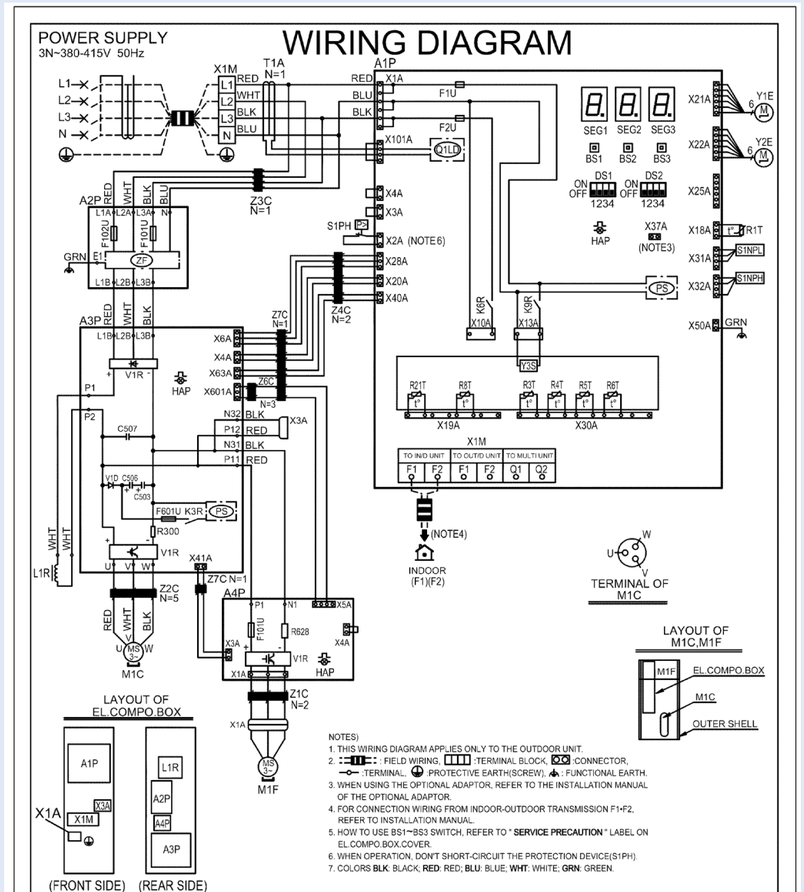
Wiring Diagrams

■ OUTDOOR UNIT

RZUR200PY1(4)



A1P	PRINTED CIRCUIT BOARD (MAIN)	R1T	THERMISTOR (AIR)(A1P)	Y3S	SOLENOID VALVE(OIL)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R21T	THERMISTOR(M1C DISCHARGE)	Z1C ~ Z4C, Z6C ~ Z7C	NOISE FILTER(FERRITE CORE)
A3P	PRINTED CIRCUIT BOARD (INV)	R3T	THERMISTOR(SUCTION PIPE)		
A4P	PRINTED CIRCUIT BOARD (FAN)	R4T	THERMISTOR (HEAT EXC.LIQ.PIPE)	ZF	NOISE FILTER(A2P) (WITH SURGE ABSORBER)
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE,SET,RETURN)	R5T	THERMISTOR (SUBCOOL LIQ.PIPE)		
		R6T	THERMISTOR (HEAT EXC.GAS PIPE)		
C507	FILM CAPACITOR(A3P)	R8T	THERMISTOR (M1C BODY)		
C503,C506	CAPACITOR(A3P)	R628	RESISTOR(CURRENT SENSOR)(A4P)		
DS2,DS1	DIP SWITCH (A1P)	R300	RESISTOR(CURRENT SENSOR)(A3P)		
F1U,F2U	FUSE (T,3.15A,250V)(A1P)	S1NPH	PRESSURE SENSOR (HIGH)		
F101U	FUSE(A4P)	S1NPL	PRESSURE SENSOR (LOW)		
F101U,F102U	FUSE(A2P)	S1PH	PRESSURE SWITCH (HIGH)		
F601U	FUSE(A3P)	SEG1~SEG3	7-SEGMENT DISPLAY(A1P)		
HAP	FLASHING LAMP (A1P,A3P,A4P) (SERVICE MONITOR-GREEN)	T1A	CURRENT SENSOR		
		V1D	DIODE (A3P)		
K9R	MAGNETIC RELAY (Y3S)(A1P)	V1R	POWER INTEGRATED MODULE (A3P)		
K3R	MAGNETIC RELAY (A3P)	V1R	POWER MODULE (A4P)		
K6R	MAGNETIC RELAY (A1P)	X1A	CONNECTOR (M1F)		
L1R	REACTOR	X3A	CONNECTOR (CHECK THE RESIDUAL CHARGE)		
M1C	MOTOR (COMPRESSOR)	X1M	TERMINAL BLOCK (POWER SUPPLY)	CONNECTOR FOR OPTIONAL ACCESSORIES	
M1F	MOTOR (FAN)	X1M	TERMINAL BLOCK (CONTROL)(A1P)	X37A	CONNECTOR (POWER ADAPTER) (A1P)
PS	SWITCHING POWER SUPPLY(A1P,A3P)	Y1E	ELECTRONIC EXPANSION VALVE(MAIN)		
Q1LD	EARTH LEAKAGE CURRENT DETECTOR (A1P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)		

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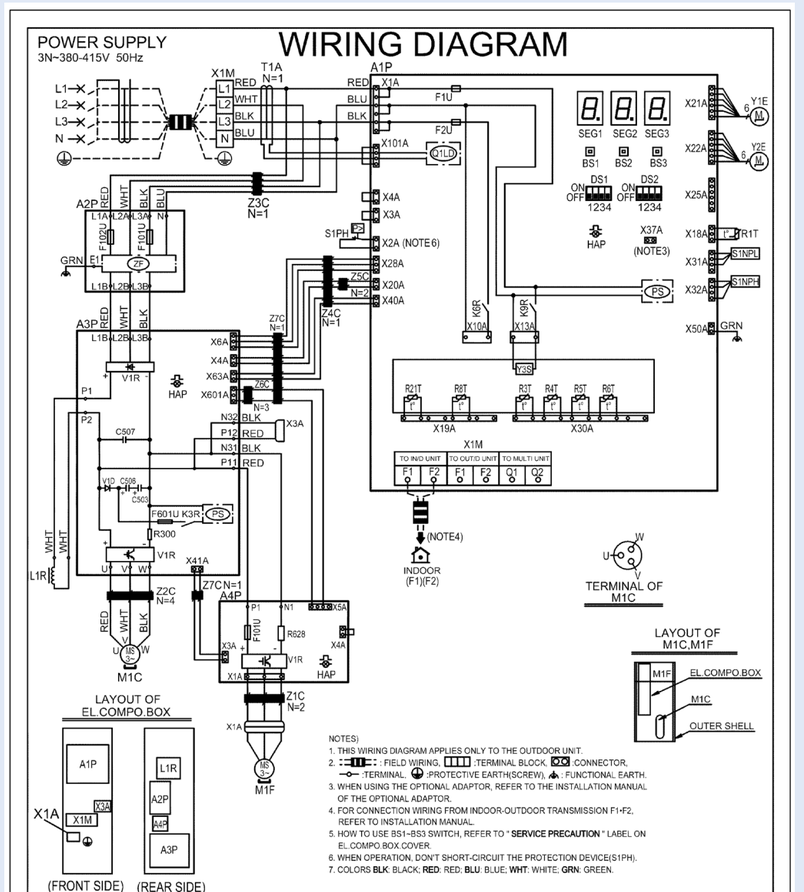
RZUR250PY1(4)

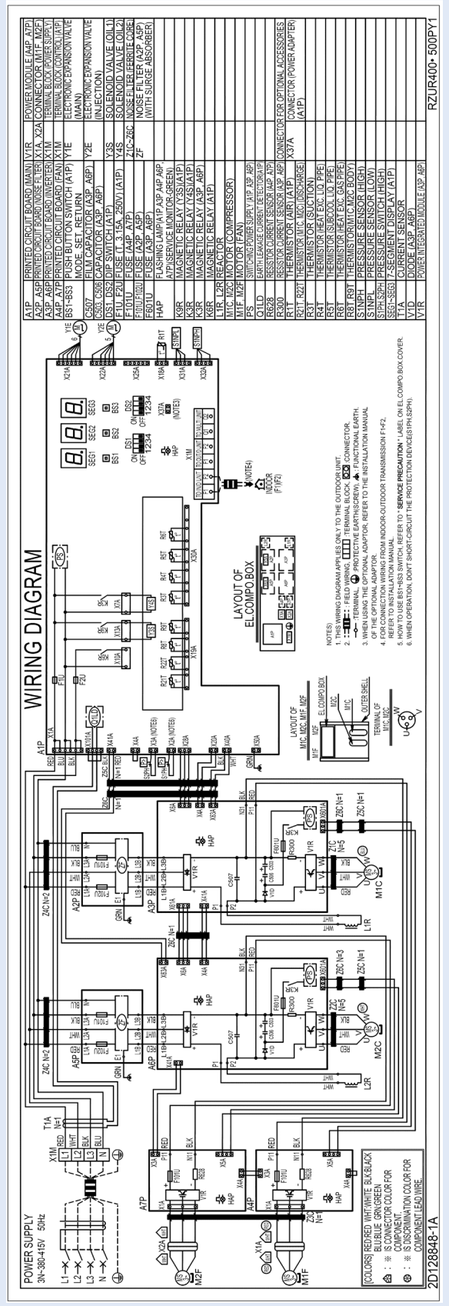


A1P	PRINTED CIRCUIT BOARD (MAIN)	R1T	THERMISTOR (AIR)(A1P)	Y3S	SOLENOID VALVE(OIL)
A2P	PRINTED CIRCUIT BOARD (NOISE FILTER)	R21T	THERMISTOR(M1C DISCHARGE)	Z1C ~ Z7C	NOISE FILTER(FERRITE CORE)
A3P	PRINTED CIRCUIT BOARD (INV)	R3T	THERMISTOR(SUCTION PIPE)	ZF	NOISE FILTER(A2P) (WITH SURGE ABSORBER)
A4P	PRINTED CIRCUIT BOARD (FAN)	R4T	THERMISTOR (HEAT EXC.LIQ.PIPE)		
BS1~BS3	PUSH BUTTON SWITCH (A1P) (MODE,SET,RETURN)	R5T	THERMISTOR (SUBCOOL LIQ.PIPE)		
		R6T	THERMISTOR (HEAT EXC.GAS PIPE)		
C507	FILM CAPACITOR(A3P)	R8T	THERMISTOR (M1C BODY)		
C503,C506	CAPACITOR(A3P)	R628	RESISTOR(CURRENT SENSOR)(A4P)		
DS2,DS1	DIP SWITCH (A1P)	R300	RESISTOR(CURRENT SENSOR)(A3P)		
F1U,F2U	FUSE (T,3.15A,250V)(A1P)	S1NPH	PRESSURE SENSOR (HIGH)		
F101U	FUSE(A4P)	S1NPL	PRESSURE SENSOR (LOW)		
F101U,F102U	FUSE(A2P)	S1PH	PRESSURE SWITCH (HIGH)		
F601U	FUSE(A3P)	SEG1~SEG3	7-SEGMENT DISPLAY(A1P)		
HAP	FLASHING LAMP (A1P,A3P,A4P) (SERVICE MONITOR-GREEN)	T1A	CURRENT SENSOR		
		V1D	DIODE (A3P)		
K9R	MAGNETIC RELAY (Y3S)(A1P)	V1R	POWER INTEGRATED MODULE (A3P)		
K3R	MAGNETIC RELAY (A3P)	V1R	POWER MODULE (A4P)		
K6R	MAGNETIC RELAY (A1P)	X1A	CONNECTOR (M1F)		
L1R	REACTOR	X3A	CONNECTOR (CHECK THE RESIDUAL CHARGE)		
M1C	MOTOR (COMPRESSOR)	X1M	TERMINAL BLOCK (POWER SUPPLY)	CONNECTOR FOR OPTIONAL ACCESSORIES	
M1F	MOTOR (FAN)	X1M	TERMINAL BLOCK (CONTROL)(A1P)	X37A	CONNECTOR (POWER ADAPTER) (A1P)
PS	SWITCHING POWER SUPPLY(A1P,A3P)	Y1E	ELECTRONIC EXPANSION VALVE(MAIN)		
Q1LD	EARTH LEAKAGE CURRENT DETECTOR (A1P)	Y2E	ELECTRONIC EXPANSION VALVE (INJECTION)		

3D128847B

Wiring Diagrams

RZUR400PY1(4)
RZUR500PY1(4)

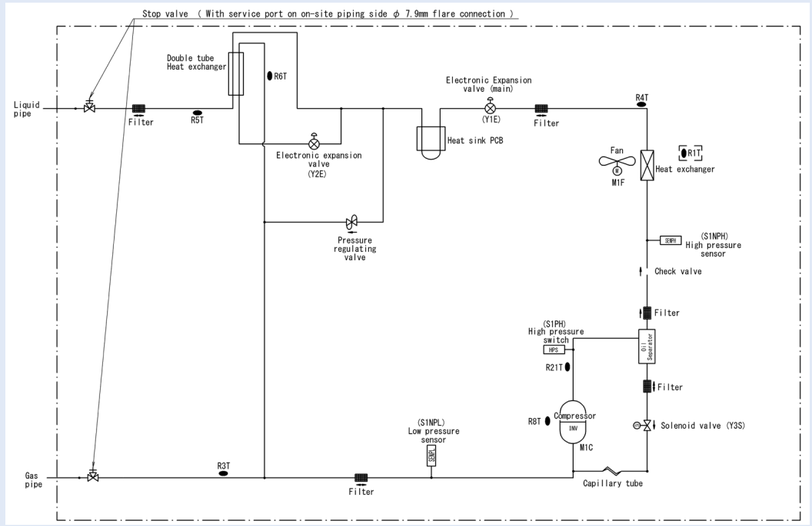


2D128848A

Piping Diagrams

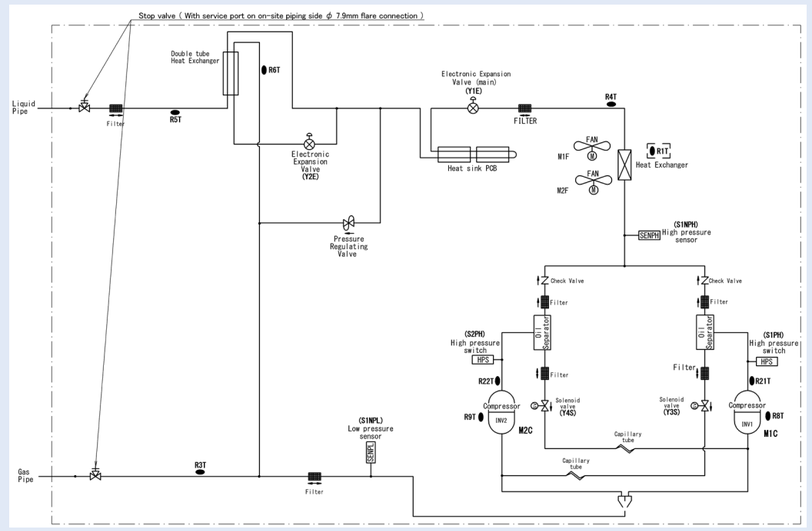
OUTDOOR UNIT

RZUR200PY1(4)
RZUR250PY1(4)



3D130368

RZUR400PY1(4)
RZUR500PY1(4)



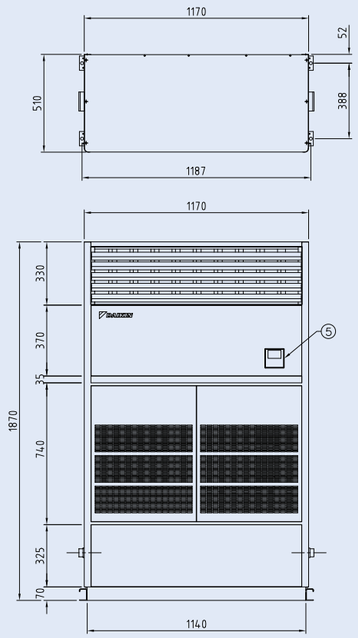
3D130373

DIMENSIONS (Unit: mm)

■ FLOOR STANDING TYPE

DIRECT AIR BLOW

FVGR200PV1(4)
FVGR250PV1(4)

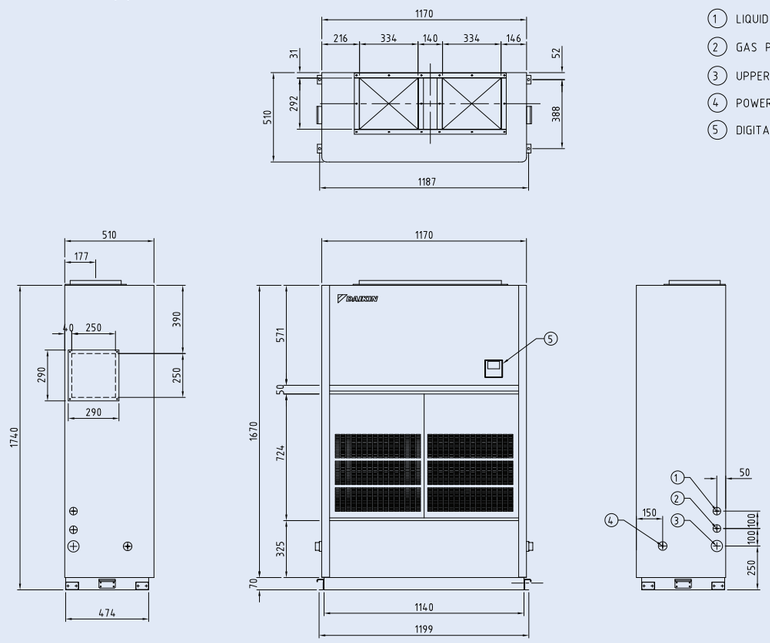


① Liquid pipe conn. ø 9.52 C1220T brazing
② Gas pipe conn.:
ø 19.1 C1220T brazing for FVGR200PV1(4)
ø 22.2 C1220T brazing for FVGR250PV1(4)
③ Upper drain outlet (PS 1B Internal thread)
④ Power supply & control wire intake
⑤ Digital remote controller

SDR3150202
SDR3150203

DUCT CONNECTION

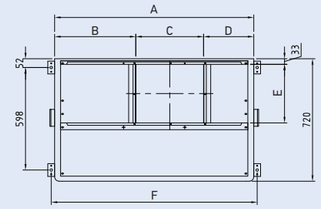
FVPR250PY1(4)



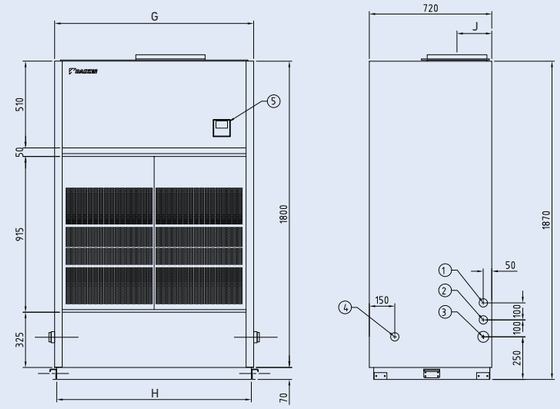
① LIQUID PIPE CONN. ø 9.52 C1220T BRAZING
② GAS PIPE CONN. ø 22.2 C1220T BRAZING
③ UPPER DRAIN OUTLET PS 1B INTERNAL THREAD
④ POWER SUPPLY & CONTROL WIRE INTAKE
⑤ DIGITAL REMOTE CONTROLLER

SDR3150204

FVPR400PY1(4)
FVPR500PY1(4)



	A	B	C	D	E	F	G	H	J	K
FVPR400PY1(4)	1170	477	398	295	344	1187	1170	1144	205	ø12.7
FVPR500PY1(4)	1470	558	474	438	407	1487	1470	1444	237	ø15.9



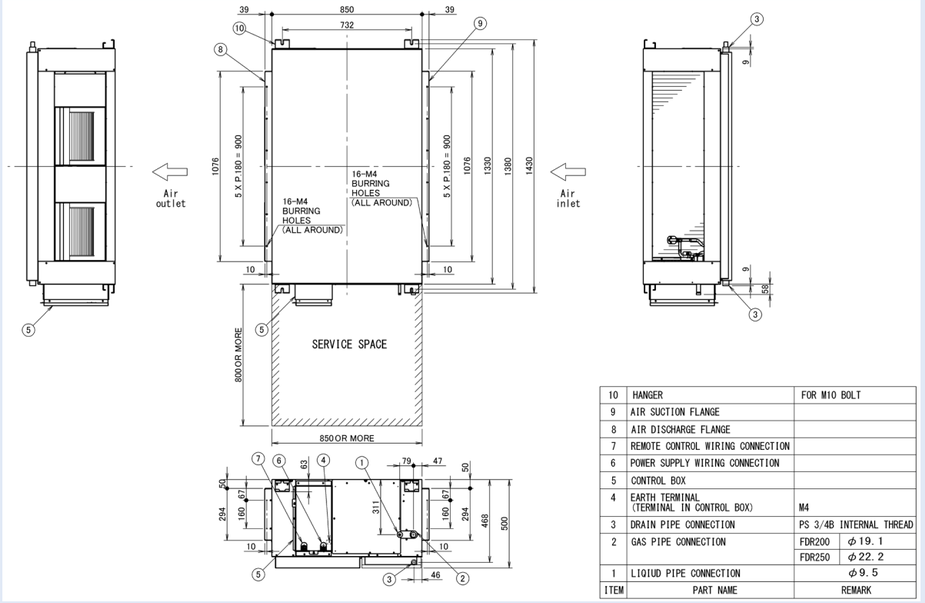
① Liquid pipe conn. (K) C1220T brazing
② Gas pipe conn. ø 28.6 C1220T brazing
③ Upper drain outlet (PS 1B Internal thread)
④ Power supply & control wire intake
⑤ Digital remote controller

SDR3150205
SDR3150206

DIMENSIONS (Unit: mm)

■ DUCT TYPE

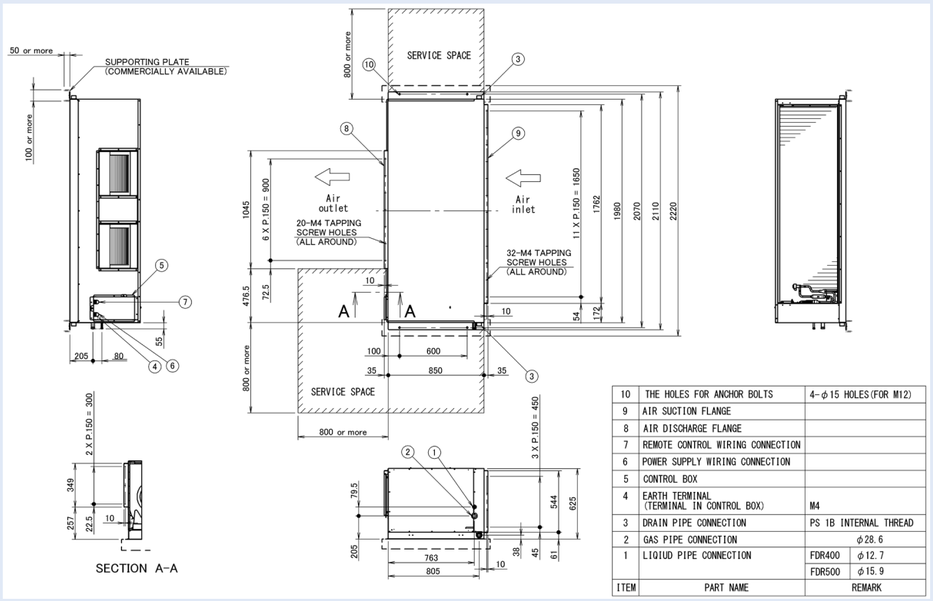
FDR200PY1(4)
FDR250PY1(4)



10	HANGER	FOR M10 BOLT	
9	AIR SUCTION FLANGE		
8	AIR DISCHARGE FLANGE		
7	REMOTE CONTROL WIRING CONNECTION		
6	POWER SUPPLY WIRING CONNECTION		
5	CONTROL BOX		
4	EARTH TERMINAL (TERMINAL IN CONTROL BOX)	M4	
3	DRAIN PIPE CONNECTION	PS 1/4B INTERNAL THREAD	
2	GAS PIPE CONNECTION	FDR200	φ19.1
		FDR250	φ22.2
1	LIQUID PIPE CONNECTION	φ9.5	
ITEM	PART NAME	REMARK	

3D129097

FDR400PY1(4)
FDR500PY1(4)

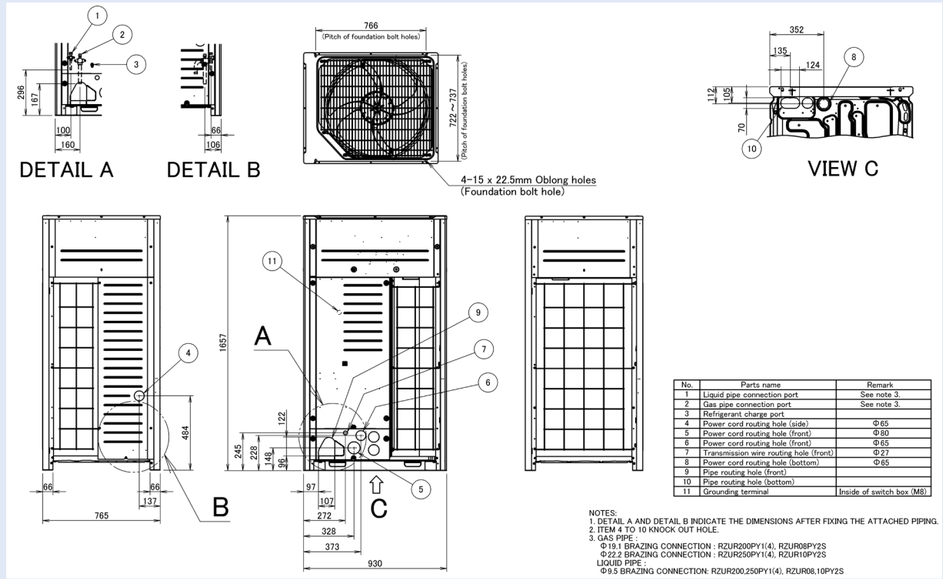


10	THE HOLES FOR ANCHOR BOLTS	4-φ15 HOLES (FOR M12)	
9	AIR SUCTION FLANGE		
8	AIR DISCHARGE FLANGE		
7	REMOTE CONTROL WIRING CONNECTION		
6	POWER SUPPLY WIRING CONNECTION		
5	CONTROL BOX		
4	EARTH TERMINAL (TERMINAL IN CONTROL BOX)	M4	
3	DRAIN PIPE CONNECTION	PS 1B INTERNAL THREAD	
2	GAS PIPE CONNECTION	φ28.6	
1	LIQUID PIPE CONNECTION	FDR400	φ12.7
		FDR500	φ15.9
ITEM	PART NAME	REMARK	

3D129107

■ OUTDOOR UNIT

RZUR200PY1(4)
RZUR250PY1(4)

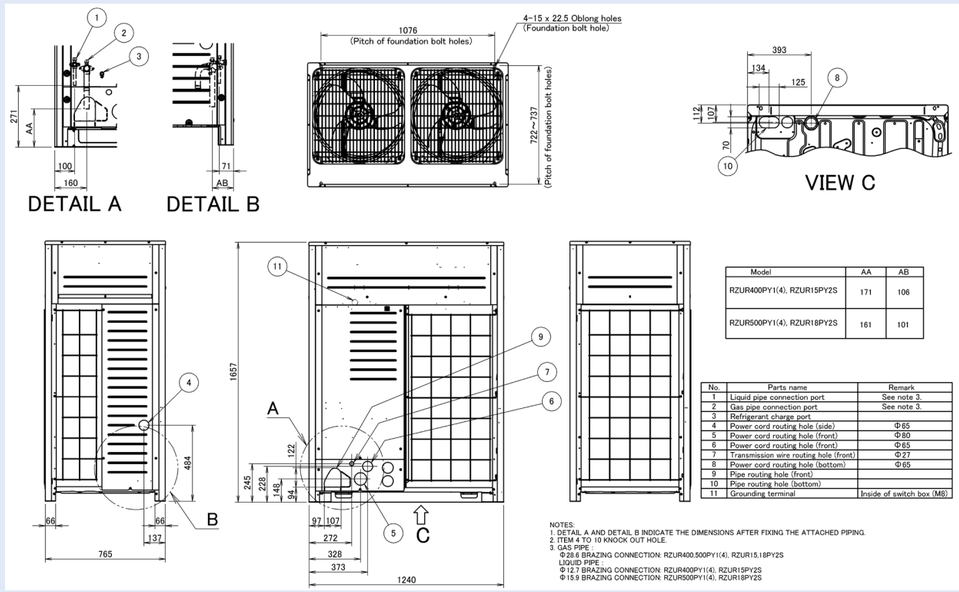


No.	Parts name	Remark
1	Liquid pipe connection port	See note 3.
2	Gas pipe connection port	See note 3.
3	Refrigerant charge port	
4	Power cord routing hole (side)	Φ65
5	Power cord routing hole (front)	Φ80
6	Power cord routing hole (front)	Φ65
7	Transmission wire routing hole (front)	Φ27
8	Power cord routing hole (bottom)	Φ65
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	
11	Grounding terminal	Inside of switch box (M8)

NOTES:
1. DETAIL A AND DETAIL B INDICATE THE DIMENSIONS AFTER FIXING THE ATTACHED PIPING.
2. ITEM 4 TO 10 KNOCK OUT HOLE.
3. GAS PIPE :
Φ19.1 BRAZING CONNECTION : RZUR200PY1(4), RZUR08PY2S
Φ22.2 BRAZING CONNECTION : RZUR250PY1(4), RZUR10PY2S
LIQUID PIPE :
Φ9.5 BRAZING CONNECTION: RZUR200,250PY1(4), RZUR08,10PY2S

3D129057

RZUR400PY1(4)
RZUR500PY1(4)



Model	AA	AB
RZUR400PY1(4), RZUR15PY2S	171	106
RZUR500PY1(4), RZUR18PY2S	161	101

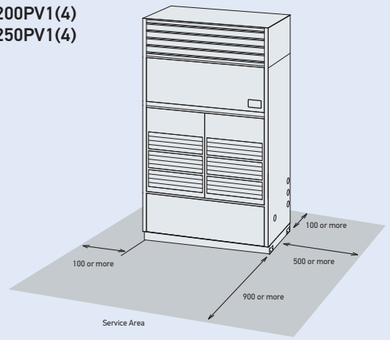
No.	Parts name	Remark
1	Liquid pipe connection port	See note 3.
2	Gas pipe connection port	See note 3.
3	Refrigerant charge port	
4	Power cord routing hole (side)	Φ65
5	Power cord routing hole (front)	Φ80
6	Power cord routing hole (front)	Φ65
7	Transmission wire routing hole (front)	Φ27
8	Power cord routing hole (bottom)	Φ65
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	
11	Grounding terminal	Inside of switch box (M8)

NOTES:
1. DETAIL A AND DETAIL B INDICATE THE DIMENSIONS AFTER FIXING THE ATTACHED PIPING.
2. ITEM 4 TO 10 KNOCK OUT HOLE.
3. GAS PIPE :
Φ28.6 BRAZING CONNECTION: RZUR400,500PY1(4), RZUR15,18PY2S
LIQUID PIPE :
Φ12.7 BRAZING CONNECTION: RZUR400PY1(4), RZUR15PY2S
Φ15.9 BRAZING CONNECTION: RZUR500PY1(4), RZUR18PY2S

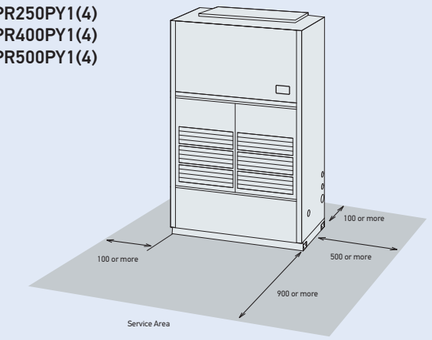
3D129058A

Space required for indoor unit installation (Unit: mm)

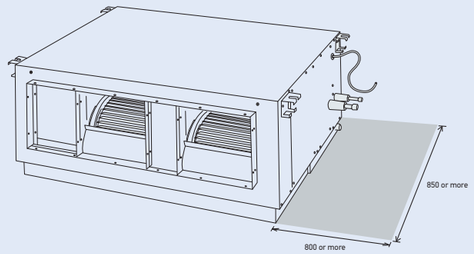
FVGR200PV1(4)
FVGR250PV1(4)



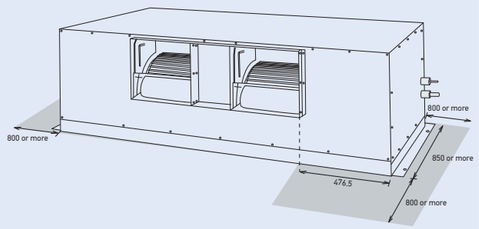
FVPR250PY1(4)
FVPR400PY1(4)
FVPR500PY1(4)



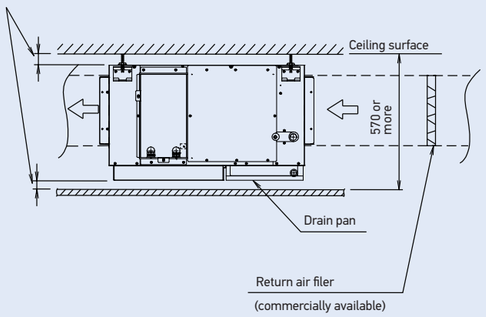
FDR200PY1(4)
FDR250PY1(4)



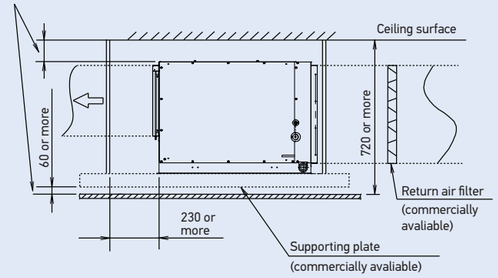
FDR400PY1(4)
FDR500PY1(4)



Provide enough clearance between the unit and the surrounding walls to prevent contact.



Provide enough clearance between the unit and the surrounding walls to prevent contact.

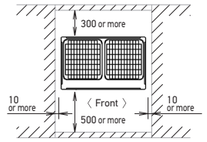


■ RZUR200PY1(4) / RZUR250PY1(4) / RZUR400PY1(4) / RZUR500PY1(4)

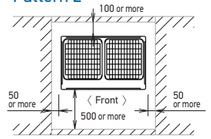
(Please refer to engineering databook for other installation patterns.)

For single unit installation

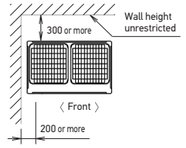
Pattern 1



Pattern 2

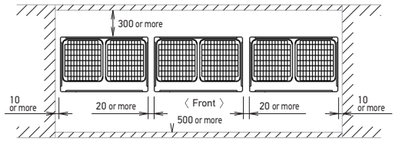


Pattern 3

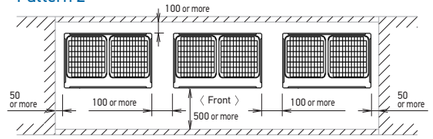


For installation in rows

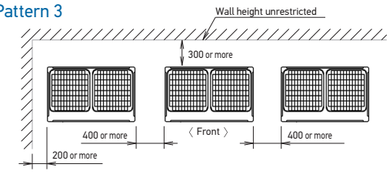
Pattern 1



Pattern 2

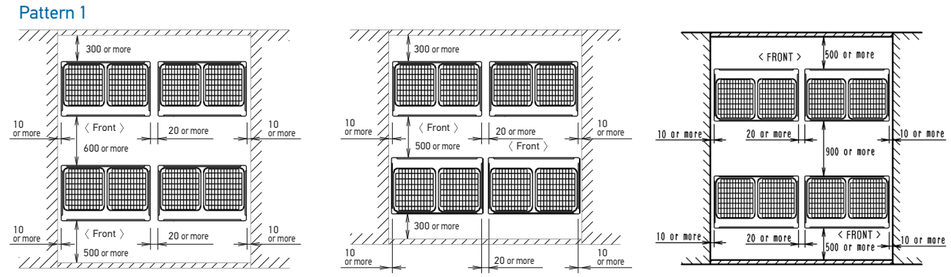


Pattern 3

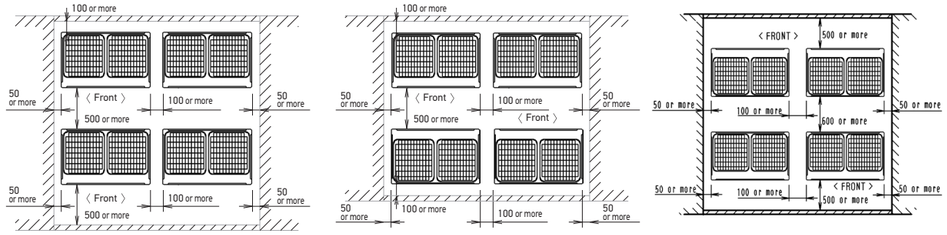


For centralized group layout

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.