

NON-INVERTER AIR COOLED PACKAGED AIR CONDITIONERS

FLOOR STANDING TYPE
DUCT TYPE



DIRECT AIR BLOW



DUCT CONNECTION



FLOOR STANDING TYPE

DUCT TYPE



OUTDOOR UNIT

Non-Inverter Packaged Air Conditioner Line Up for Factories and Offices

Product Line Up **R-410A** **NEW**

Cooling only

50Hz

Capacity	kW Btu/h	23.45 80,000	29.31 100,000
FLOOR STANDING TYPE (DIRECT AIR BLOW)			
		FVGR08RNV2S	FVGR10RNV2S
OUTDOOR UNIT			
		RUR08RNY2S	RUR10RNY2S



Cooling only

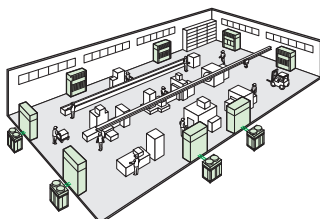
50Hz

Capacity	kW Btu/h	23.45 80,000	29.31 100,000	35.17 120,000	43.96 150,000	52.75 180,000	58.62 200,000
FLOOR STANDING TYPE (DUCT CONNECTION)							
		FVPR10RNY2S	FVPR12RNY2S	FVPR15RNY2S	FVPR18RNY2S	FVPR20RNY2S	
DUCT TYPE							
		FDR08RNY2S	FDR10RNY2S	FDR12RNY2S	FDR15RNY2S	FDR18RNY2S	FDR20RNY2S
OUTDOOR UNIT							
		RUR08RNY2S	RUR10RNY2S	RUR12RNY2S	RUR15RNY2S	RUR18RNY2S	RUR20RNY2S

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.

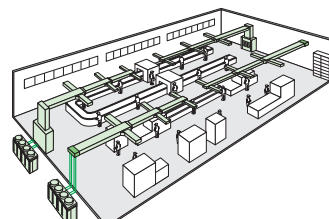


DUCT CONNECTION / DUCT TYPE

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.



Specifications

FLOOR STANDING TYPE

DIRECT AIR BLOW

Model Name	Indoor unit		
	Outdoor unit		
Rated cooling capacity ^{*1} (Min-Max.)			Btu/h
			kW
Power consumption ^{*1}			kW
COP			
Indoor unit	Power supply		
	Colour		
	Air flow rate (H/L)		m ³ /min
			cfm
	Fan	Motor output	kW
		Drive	
	Dimensions (H×W×D)		mm
	Machine weight		kg
	Sound level		dB(A)
Outdoor unit	Power supply		
	Colour		
	Compressor	Type	
		Motor output	kW
	Coil type		
	Air flow rate (H)		m ³ /min
	Dimensions (H×W×D)		mm
	Machine weight		kg
	Sound level ^{*2}		dB(A)
Refrigerant Piping	Operation range		°CDB
	Refrigerant charge (R410A)		kg
	Liquid		mm
		Gas	mm
	Max. piping length		m
	Max. level difference		m
	Safety Device		

FVGR08RNV2S		FVGR10RNV2S	
RUR08RNY2S		RUR10RNY2S	
80,000		100,000	
23.45		29.31	
8.33		9.78	
2.82		3.00	
1 Phase, 220 V, 50 Hz			
Ivory White			
75 / 66 / 52			
2,650 / 2,330 / 1,840			
0.245			
Sirocco fan/Direct drive			
1,870×1,170×510			
155			
60.5 / 57.5 / 53.0			
PS 1B Internal thread			
3 Phase, 380 V, 50 Hz			
Polyester Paint			
Hermetically sealed scroll type		Hermetically sealed scroll type	
0.82		0.82	
Cross fin coil		Cross fin coil	
232		237	
925×925×1,113		925×925×1,113	
158		163	
68		69	
21~46°C			
3.90		5.10	
Ø 9.5 (Brazing)			
Ø 19.1 (Brazing)		Ø 22.2 (Brazing)	
30			
10 ⁻⁴			
High Pressure Switch, Low Pressure Switch, Internal Overload Protector (Phase Protector is option)			

DUCT CONNECTION

Model Name	Indoor unit		
	Outdoor unit		
Rated cooling capacity ^{*1*5} (Min-Max.)			Btu/h
			kW
Power consumption ^{*1*5}			kW
COP			
Indoor unit	Power supply		
	Colour		
	Air flow rate (H)		m ³ /min
			cfm
	External static pressure ^{*3}		Pa
	Fan	Motor output	kW
		Drive	
	Dimensions (H×W×D)		mm
	Machine weight		kg
Outdoor unit	Sound level ^{*2}		dB(A)
	Operation range		°CDB
	Refrigerant charge (R410A)		kg
	Liquid		mm
		Gas	mm
	Max. piping length		m
	Max. level difference		m
	Safety Device		

FVPR10RNY2S	FVPR12RNY2S	FVPR15RNY2S	FVPR18RNY2S	FVPR20RNY2S
RUR10RNY2S	RUR12RNY2S	RUR15RNY2S	RUR18RNY2S	RUR20RNY2S
100,000	120,000	150,000	180,000	200,000
29.31	35.17	43.96	52.75	58.62
10.40	12.31	14.67	17.70	19.70
2.82	2.86	3.00	2.98	2.98
3 Phase, 380 V, 50 Hz				
Ivory White				
80	120	166		
2,830	4,240	5,860		
147	150			
1.5		2.2		
Sirocco fan/Belt drive				
1,740×1,170×510	1,870×1,470×720		1,870×1,810×720	
151	251		297	
61	67		66	
PS 1B Internal thread				
3 Phase, 380 V, 50 Hz				
Polyester Paint				
Hermetically sealed scroll type				
0.82			0.82x2	
Cross Fin Coil				
237	237	250	463	473
925x925x1,113		1,025x1,025x1,240	1,840x920x1,032	
163	179	205	309	321
69	69	71	72	72
21-46°C				
5.10	5.80	6.80	3.90 kg/circuit	5.10 kg/circuit
Ø 9.5 (Brazing)	Ø 12.7 (Brazing)		Ø 9.5x2 (Brazing)	
Ø 22.2 (Brazing)	Ø 28.6 (Brazing)		Ø 22.2x2 (Brazing)	
30				
10 ^{*4}				
High Pressure Switch, Low Pressure Switch, Internal Overload Protector (Phase Protector is option)				

Note : *1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / 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.

*4. Max. 4.5 m if the outdoor unit is lower than the indoor unit.

*5. Capacity are net, including a deduction for cooling for indoor fan motor heat

DUCT TYPE

Model Name		Indoor unit		FDR08RNY2S	FDR10RNY2S	FDR12RNY2S	FDR15RNY2S	FDR18RNY2S	FDR20RNY2S		
		Outdoor unit		RUR08RNY2S	RUR10RNY2S	RUR12RNY2S	RUR15RNY2S	RUR18RNY2S	RUR20RNY2S		
Rated cooling capacity ^{1,15} (Min-Max.)			Btu/h	80,000	100,000	120,000	150,000	180,000	200,000		
			kW	23.45	29.31	35.17	43.96	52.75	58.62		
Power consumption ^{1,15}			kW	8.33	10.40	12.31	14.67	17.70	19.7		
COP				2.82	2.82	2.86	3.00	2.98	2.98		
Indoor unit				3 Phase, 380 V, 50 Hz							
				Ivory White							
				Air flow rate (H)		78		120		166	
						2,750		4,240		5,860	
				External static pressure ³		98		150			
				Fan	Motor output	1.5				2.2	
					Drive						
				Dimensions (H×W×D)		500×1,330×850		625×1,980×850		760×2,195×870	
				Machine weight		106		187		216	
				Sound level		57		59		60	
Outdoor unit				PS 1B Internal thread							
				3 Phase, 380 V, 50 Hz							
				Polyester Paint							
				Hermetically sealed scroll type							
				0.82		0.82		0.82		0.82x2	
				Cross fin coil							
				232		237		237		250	
				232		237		237		250	
				232		237		237		250	
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Note : *1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / 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.

*4. Max. 4.5 m if the outdoor unit is lower than the indoor unit.

*5. Capacity are net, including a deduction for cooling for indoor fan motor heat

Option

FLOOR STANDING TYPE

Option	Direct Air Blow	Duct Connection		
	FVGR08/10RNY2S	FVPR10RNY2S	FVPR12/15RNY2S	FVPR18/20RNY2S
Discharge grill plenum chamber (Including pulley and belt)	—	BPCV10QS	BPCV16QS	BPCV20QS

DUCT TYPE

Option	FDR08RNY2S	FDR10RNY2S	FDR12RNY2S	FDR15RNY2S	FDR18RNY2S	FDR20RNY2S
Discharge grill plenum chamber (Including pulley and belt)	BPCD10Q		BPCD16Q		BPCD20Q	

CONTROL SYSTEM

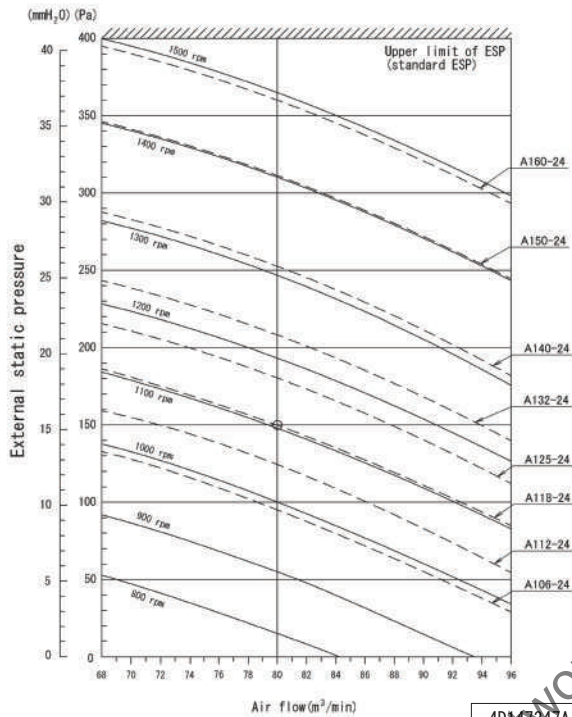
Option	FVGR-RNV2S	FVPR-RNY2S	FDR-RNY2S
Simplified remote controller	SDR4220551-1 (Built-in)		SDR4220551-1 (STD)
Wireless remote controller	SDR4220568-1 (Option)		

Fan Performance

FLOOR STANDING

DUCT CONNECTION

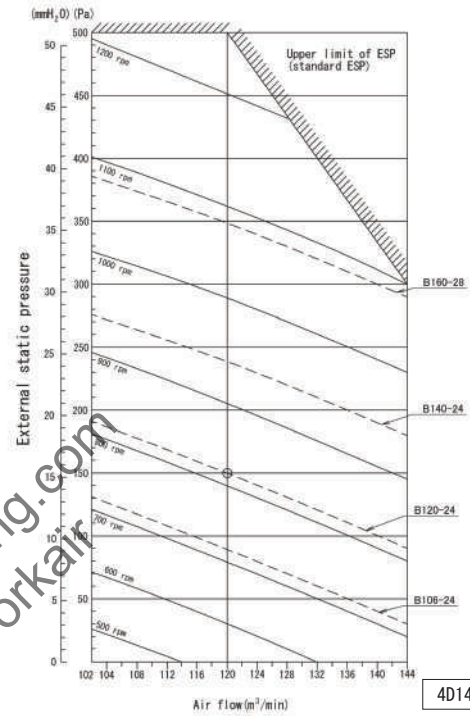
FVPR10RNY2S



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FVPR12RNY2S

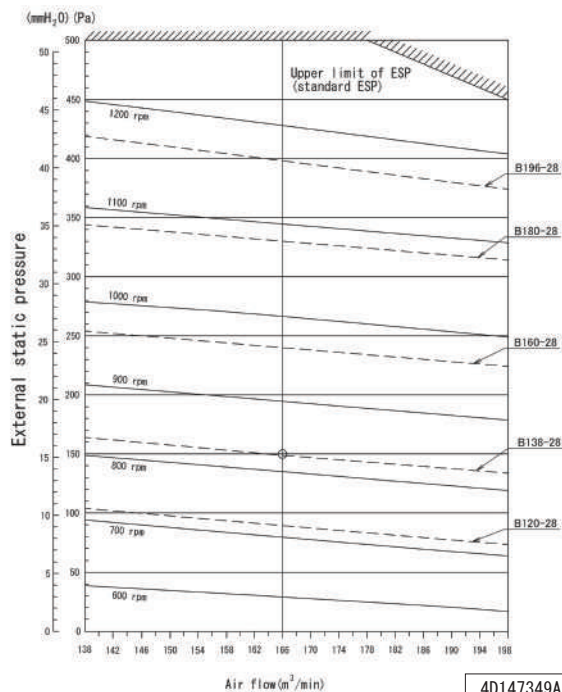
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FVPR18RNY2S

FVPR20RNY2S

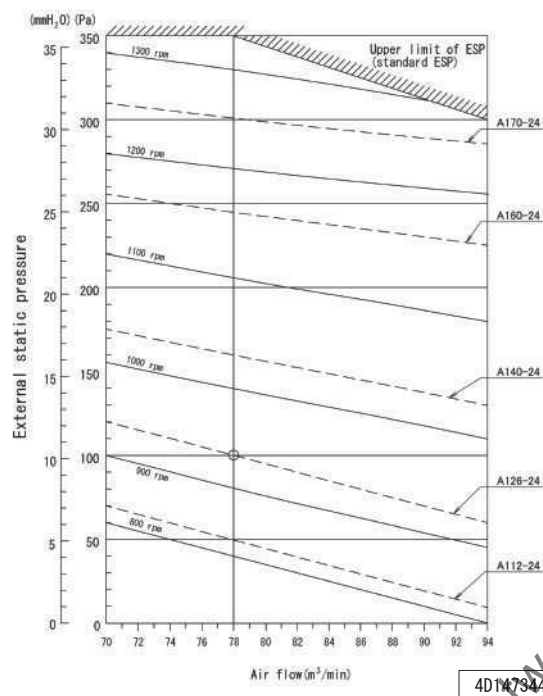


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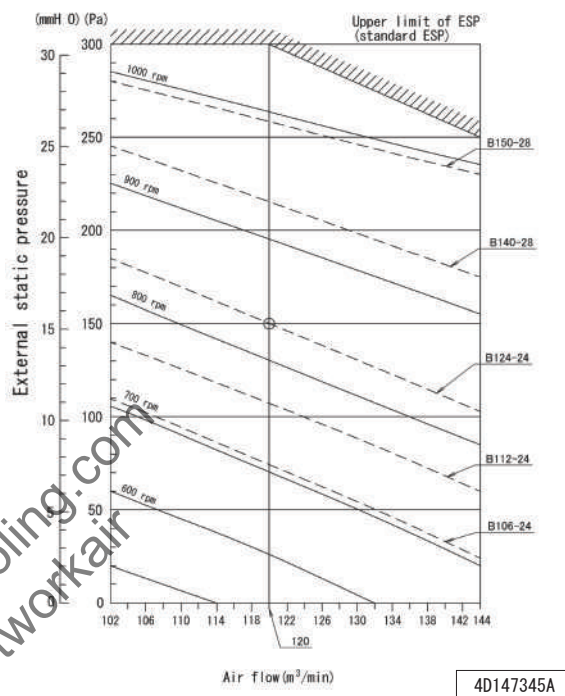
Fan Performance

DUCT TYPE

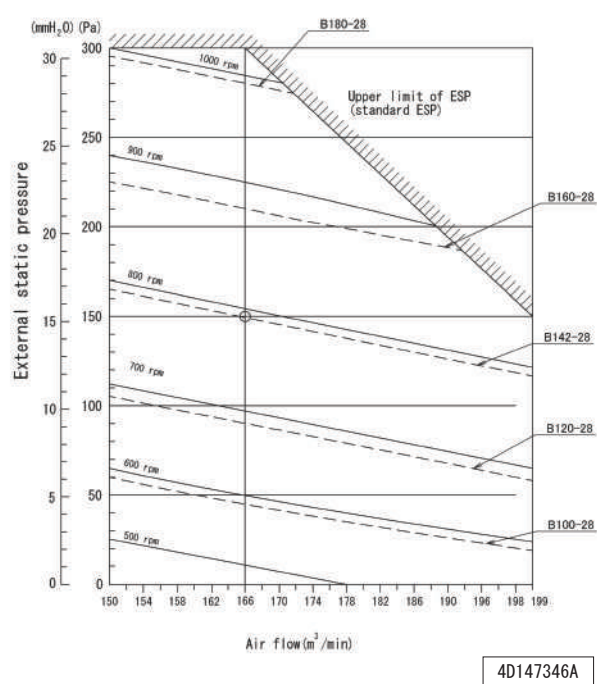
FDR08RNY2S
FDR10RNY2S



FDR12RNY2S
FDR15RNY2S



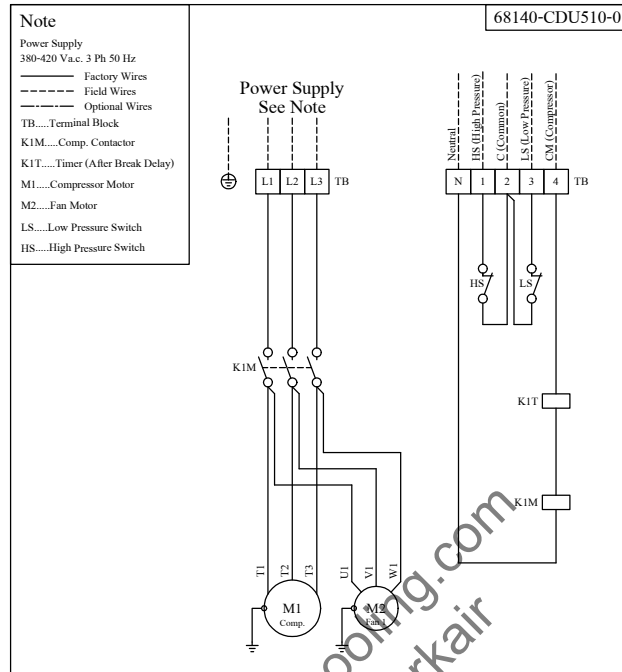
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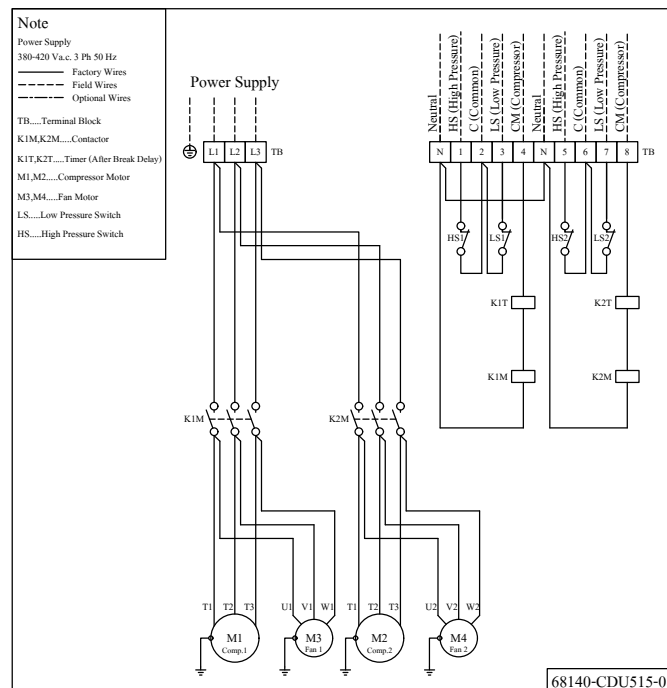
Wiring Diagrams

OUTDOOR UNIT

RUR08RNY2S/RUR10RNY2S/RUR12RNY2S/RUR15RNY2S

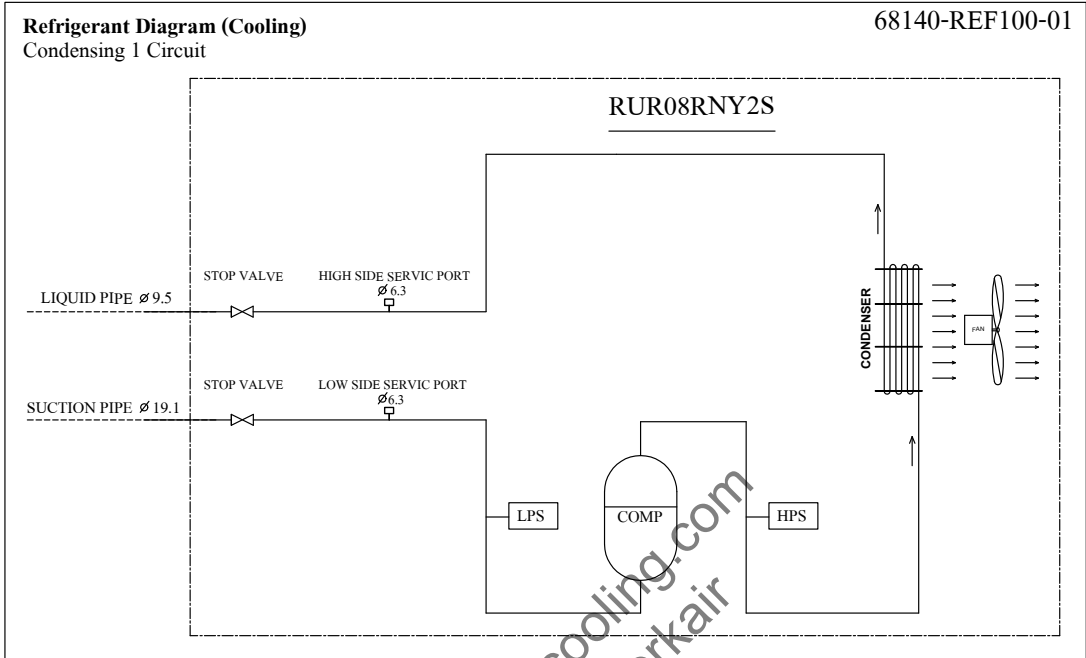


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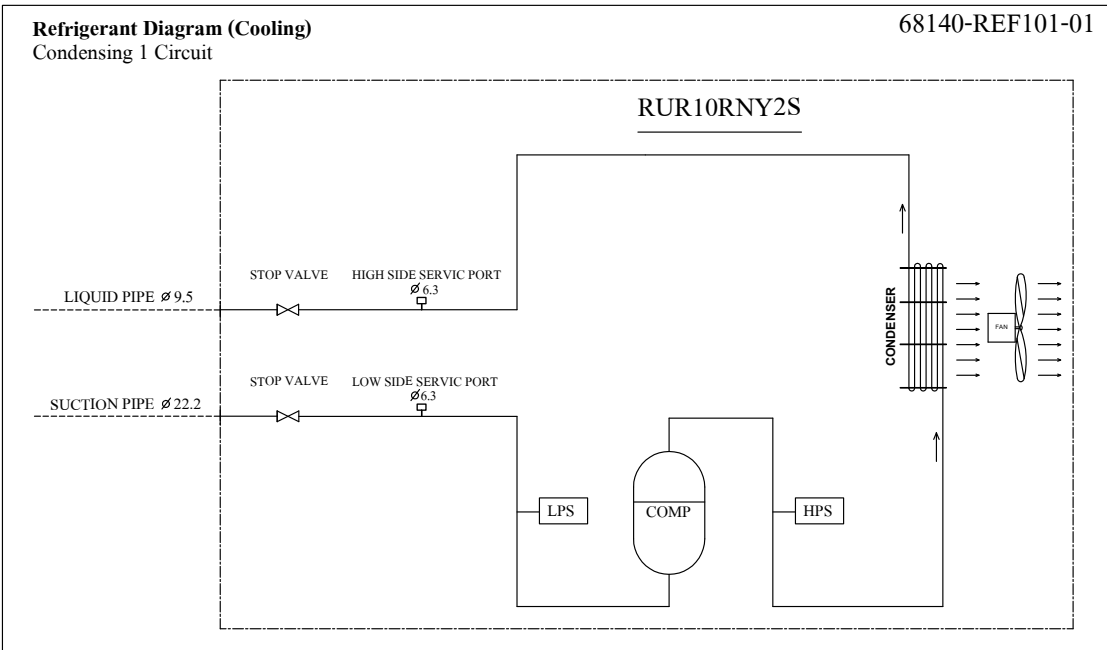


Piping Diagrams

RUR08RNY2S



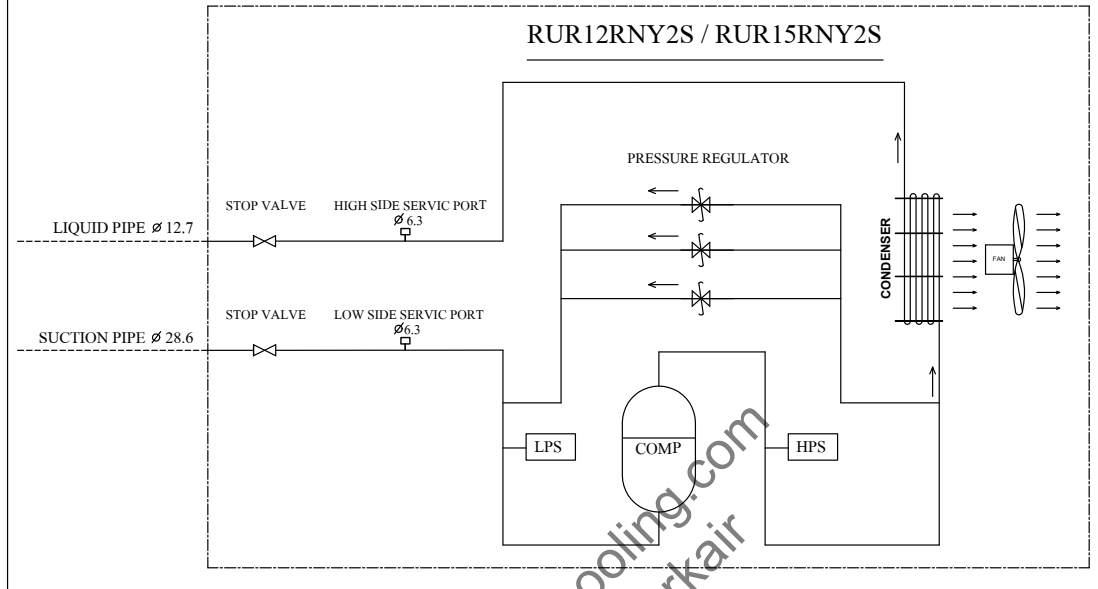
RUR10RNY2S



RUR12RNY2S/RUR15RNY2S

Refrigerant Diagram (Cooling)
Condensing 1 Circuit

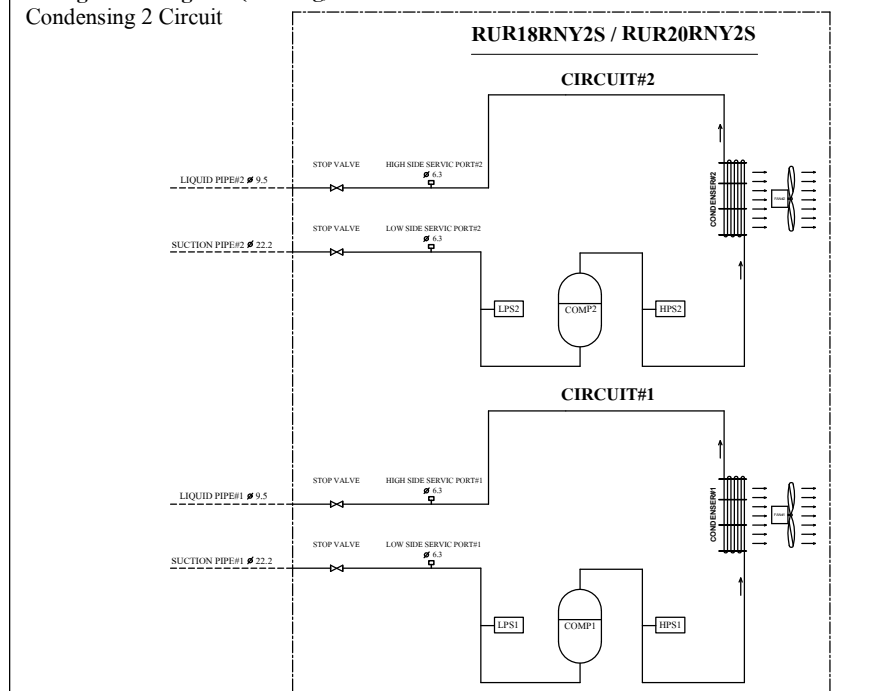
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RUR18RNY2S/RUR20RNY2S

Refrigerant Diagram (Cooling)
Condensing 2 Circuit

68140-REF103-01

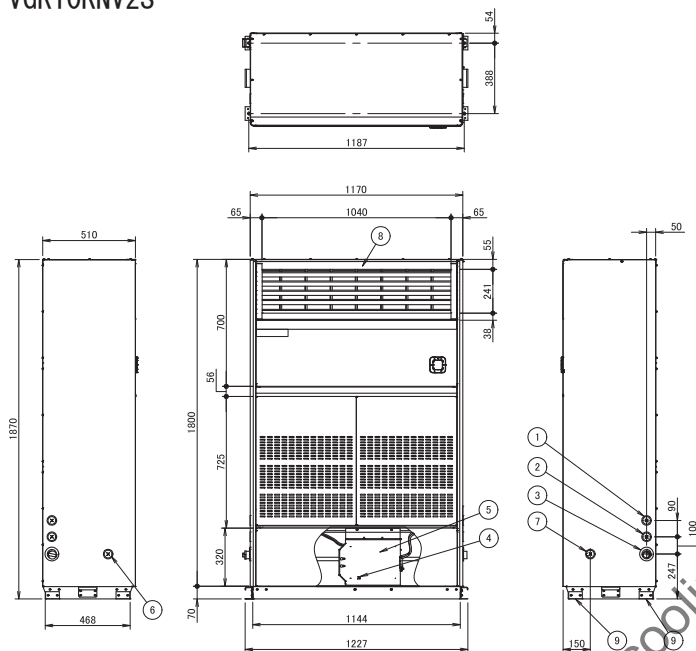


Dimensions (Unit:mm)

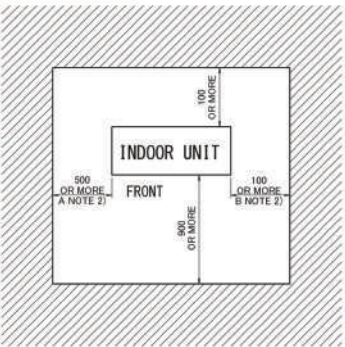
FLOOR STANDING TYPE

DIRECT AIR BLOW

FVGR08RNV2S
FVGR10RNV2S



SERVICE SPACE NOTE 1)



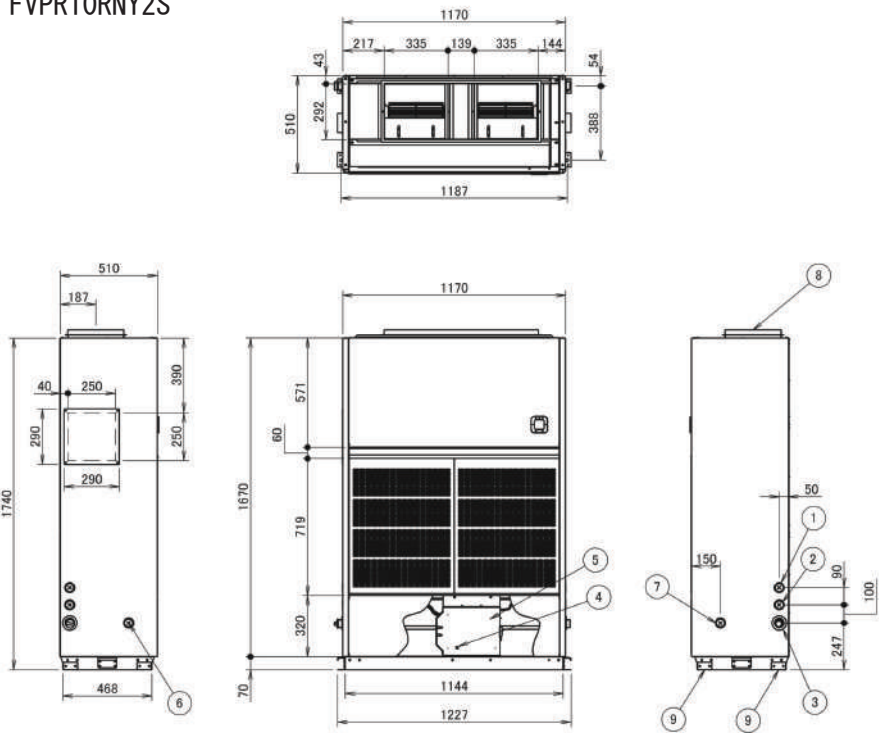
NOTE 1) IT SHOWS IN CASE OF LEFT SIDE PIPING.
(FACTORY DEFAULT IS LEFT SIDE PIPING.
CHANGE TO RIGHT SIDE PIPING NEEDS FIELD WORK)
2) REVERSE DIMENSION A TO B IN CASE OF RIGHT SIDE PIPING.

ITEM	PART NAME	REMARK
9	FOUNDATION BOLT	FOR M12 BOLT
8	AIR DISCHARGE FLANGE	
7	TRANSMISSION 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	FVGR200/FVGR08 ϕ 19.1 FVGR250/FVGR10 ϕ 22.2
1	LIQUID PIPE CONNECTION	ϕ 9.5

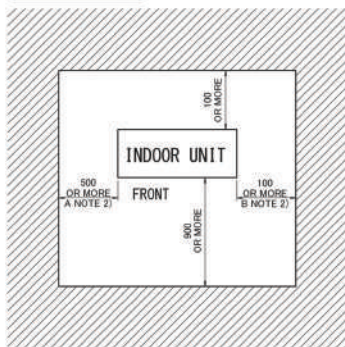
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DUCT CONNECTION

FVPR10RNY2S



SERVICE SPACE NOTE 1)



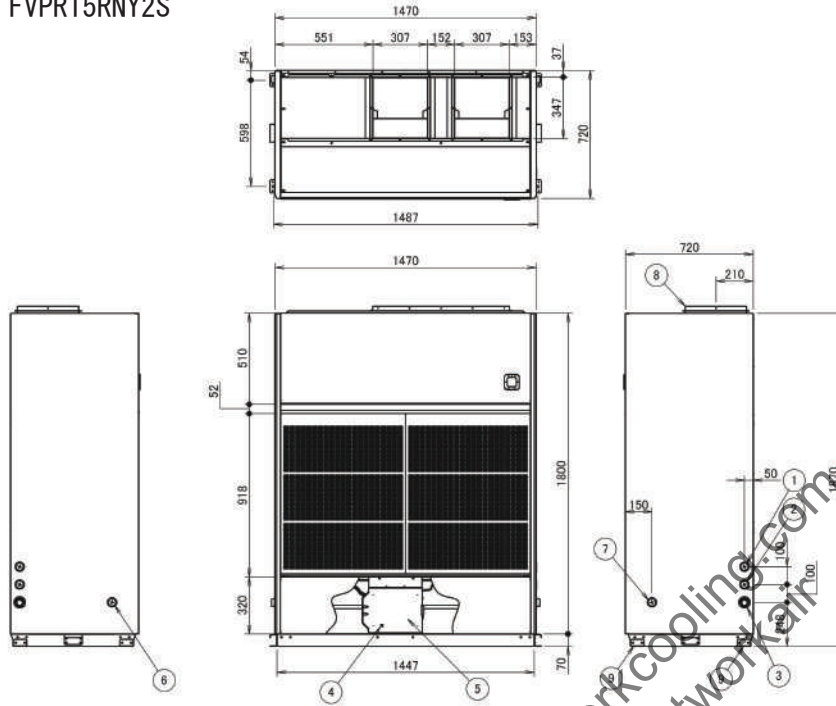
NOTE 1) IT SHOWS IN CASE OF LEFT SIDE PIPING.
(FACTORY DEFAULT IS LEFT SIDE PIPING.
CHANGE TO RIGHT SIDE PIPING NEEDS FIELD WORK)
2) REVERSE DIMENSION A TO B IN CASE OF RIGHT SIDE PIPING.

ITEM	PART NAME	REMARK
9	FOUNDATION BOLT	FOR M12 BOLT
8	AIR DISCHARGE FLANGE	
7	TRANSMISSION 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	ϕ 22.2
1	LIQUID PIPE CONNECTION	ϕ 9.5

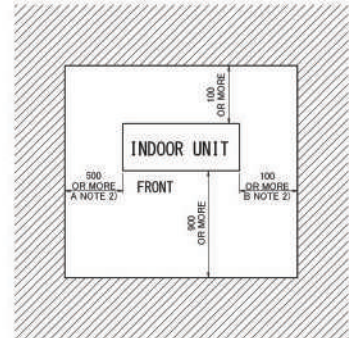
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DUCT CONNECTION

FVPR12RNY2S
FVPR15RNY2S



SERVICE SPACE NOTE 1)



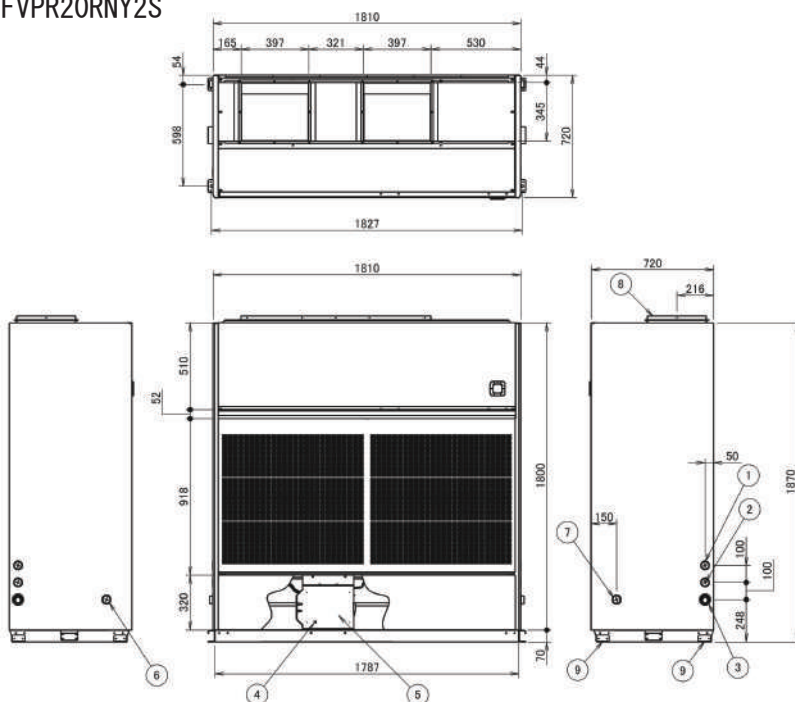
NOTE 1) IT SHOWS IN CASE OF LEFT SIDE PIPING.
(FACTORY DEFAULT IS LEFT SIDE PIPING.
CHANGE TO RIGHT SIDE PIPING NEEDS FIELD WORK.)
2) REVERSE DIMENSION A TO B IN CASE OF RIGHT SIDE PIPING.

ITEM	PART NAME	REMARK
9	FOUNDATION BOLT	FOR M12 BOLT
8	AIR DISCHARGE FLANGE	
7	TRANSMISSION WIRING CONNECTION	
6	POWER SUPPLY WIRING CONNECTION	
5	CONTROL BOX	
4	EARTH TERMINAL (TERMINAL IN CONTROL BOX)	M4
3	DRAIN PIPE CONNECTION	PS 18 INTERNAL THREAD
2	GAS PIPE CONNECTION	φ 28. 6
1	LIQUID PIPE CONNECTION	φ 12. 7

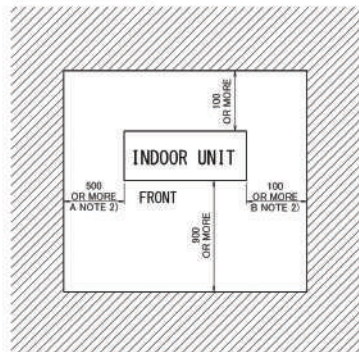
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DUCT CONNECTION

FVPR18RNY2S
FVPR20RNY2S



SERVICE SPACE NOTE 1)



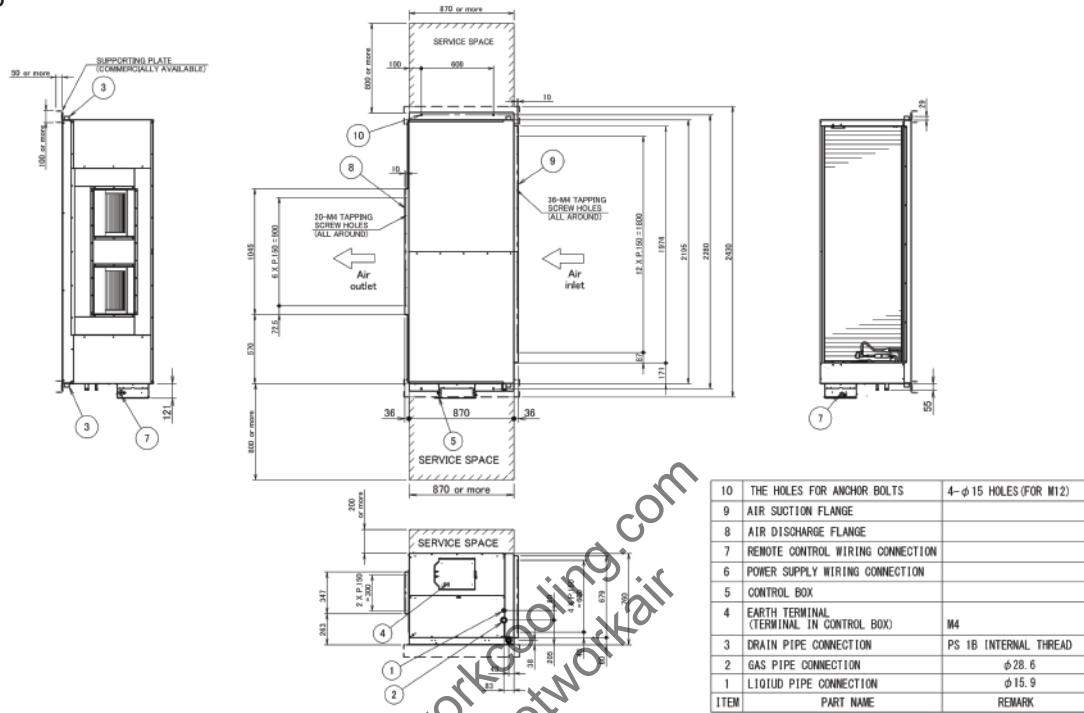
NOTE 1) IT SHOWS IN CASE OF LEFT SIDE PIPING.
(FACTORY DEFAULT IS LEFT SIDE PIPING.
CHANGE TO RIGHT SIDE PIPING NEEDS FIELD WORK.)
2) REVERSE DIMENSION A TO B IN CASE OF RIGHT SIDE PIPING.

ITEM	PART NAME	REMARK
9	FOUNDATION BOLT	FOR M12 BOLT
8	AIR DISCHARGE FLANGE	
7	TRANSMISSION WIRING CONNECTION	
6	POWER SUPPLY WIRING CONNECTION	
5	CONTROL BOX	
4	EARTH TERMINAL (TERMINAL IN CONTROL BOX)	M4
3	DRAIN PIPE CONNECTION	PS 18 INTERNAL THREAD
2	GAS PIPE CONNECTION	φ 28. 6
1	LIQUID PIPE CONNECTION	φ 15. 9

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DUCT CONNECTION

FDR18RNY2S
FDR20RNY2S

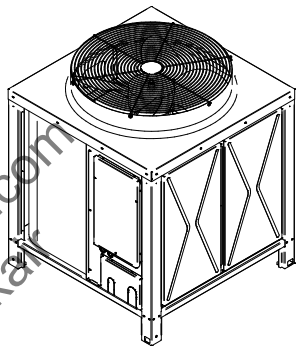
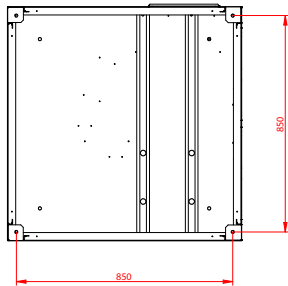
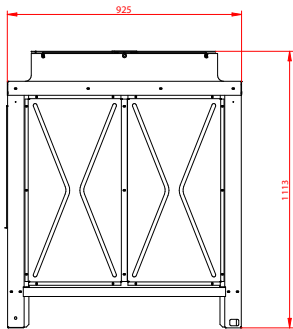
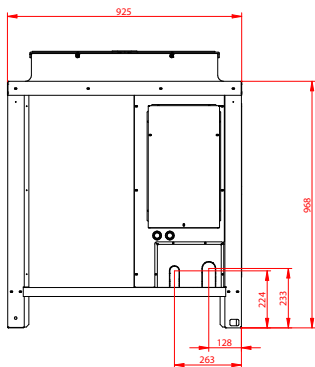


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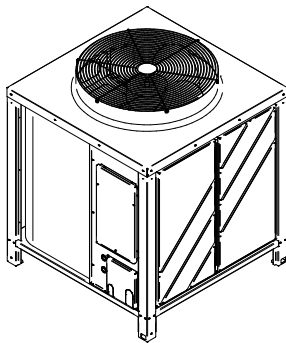
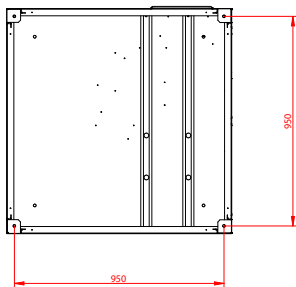
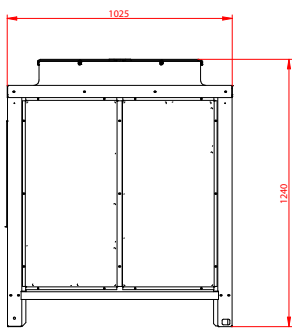
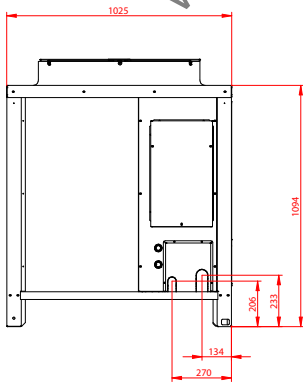
Dimensions (Unit:mm)

OUTDOOR UNIT

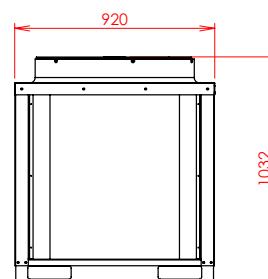
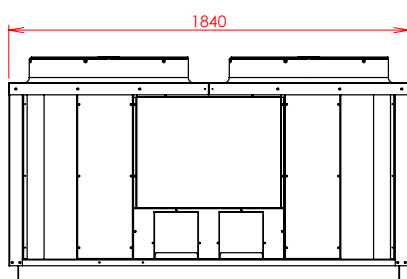
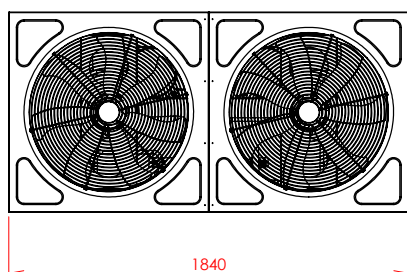
RUR08RNY2S/RUR10RNY2S/RUR12RNY2S



RUR15RNY2S



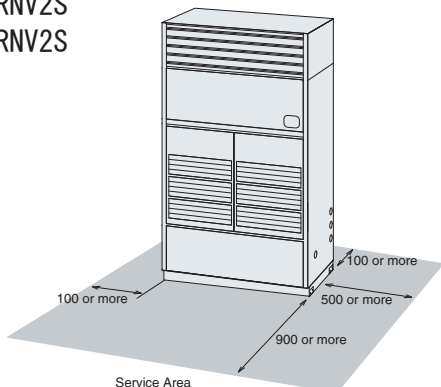
RUR18RNY2S/RUR20RNY2S



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Space required for indoor unit installation (Unit:mm)

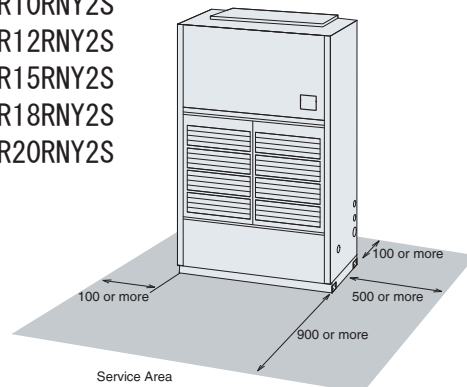
FVGR08RNV2S
FVGR10RNV2S



Service Area

* Incase of left side Piping

FVPR10RNY2S
FVPR12RNY2S
FVPR15RNY2S
FVPR18RNY2S
FVPR20RNY2S

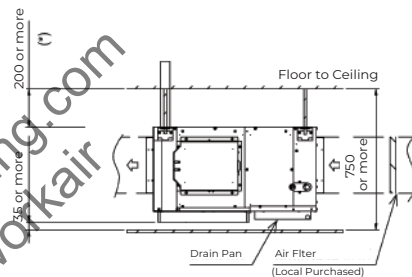
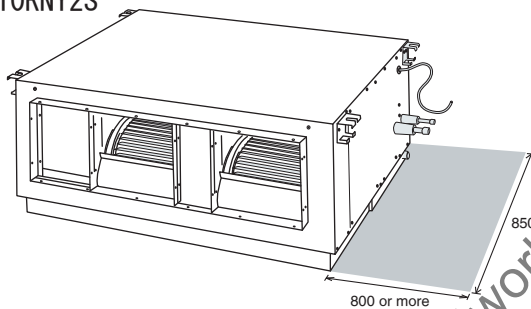


Service Area

* Incase of left side Piping

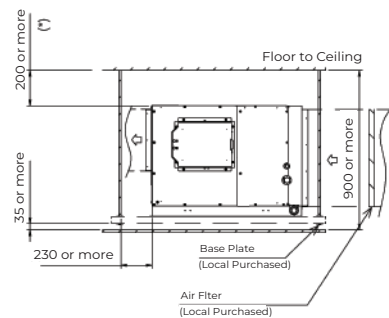
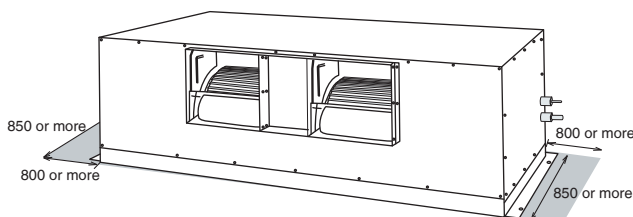
FDR08RNY2S
FDR10RNY2S

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



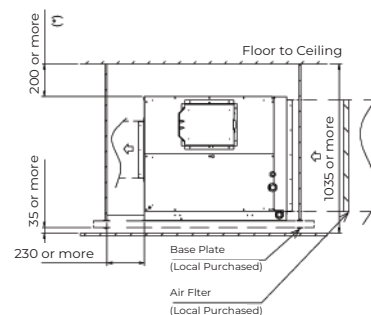
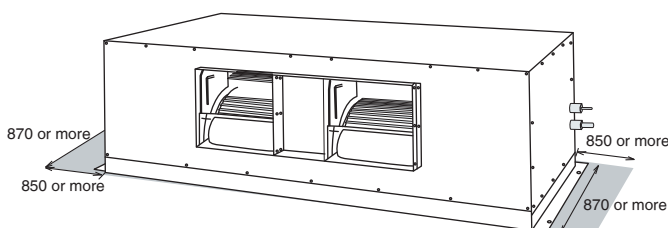
FDR12RNY2S
FDR15RNY2S

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



FDR18RNY2S
FDR20RNY2S

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

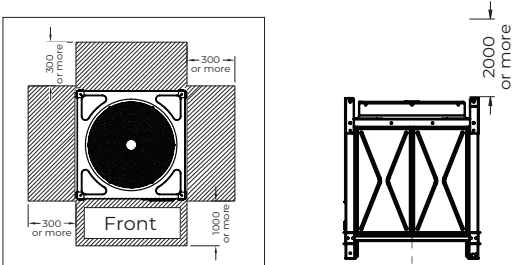


CDU Service Space

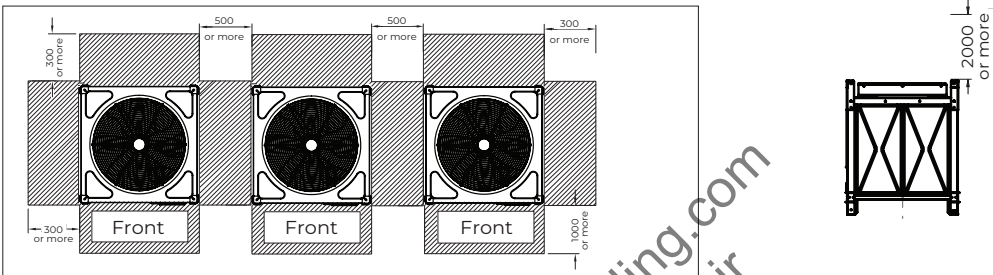
Space Required for Outdoor Unit Installation (Unit:mm)

RUR08-15RNY2S

For Single Unit Installation



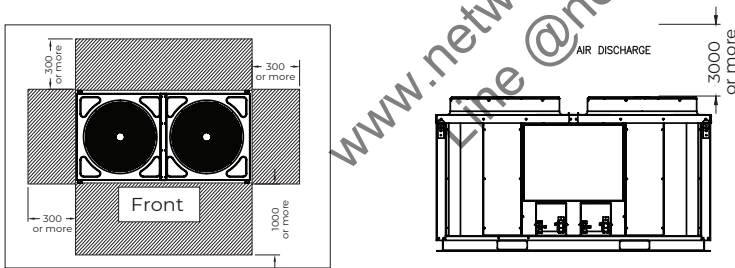
For Multiple Unit Installation



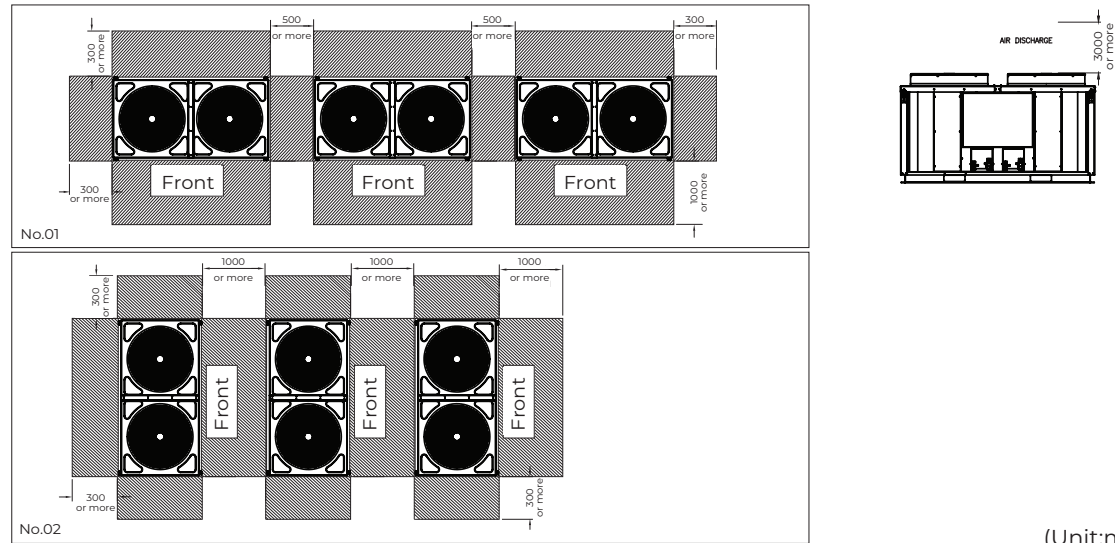
(Unit:mm)

RUR18-20RNY2S

For Single Unit Installation



For Multiple Unit Installation

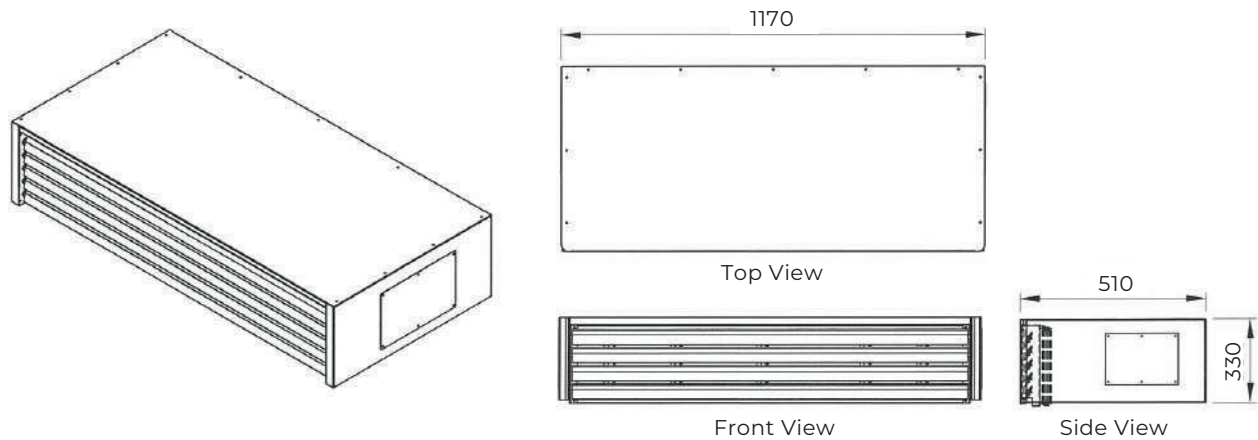


(Unit:mm)

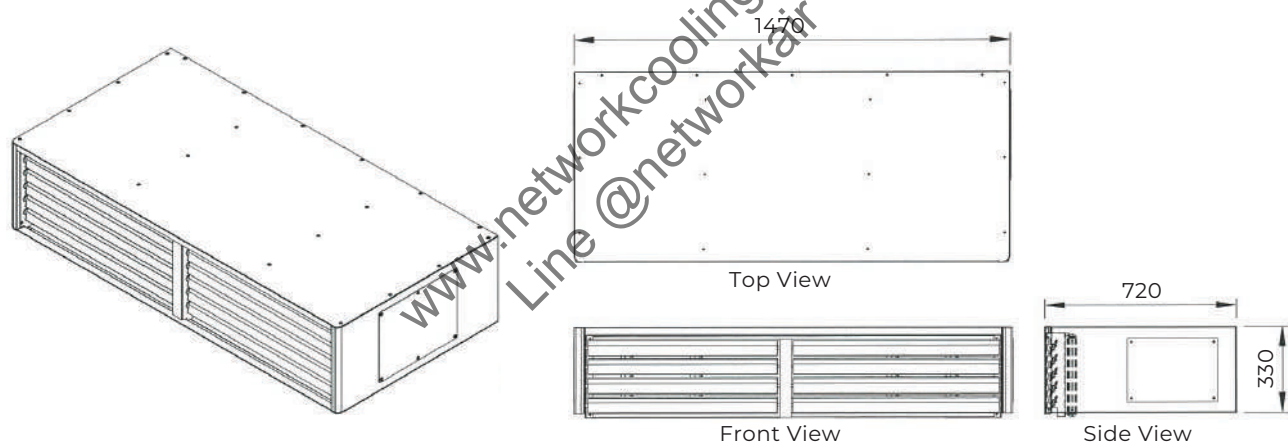
Discharge grill Plenum Chamber

FLOOR STANDING TYPE

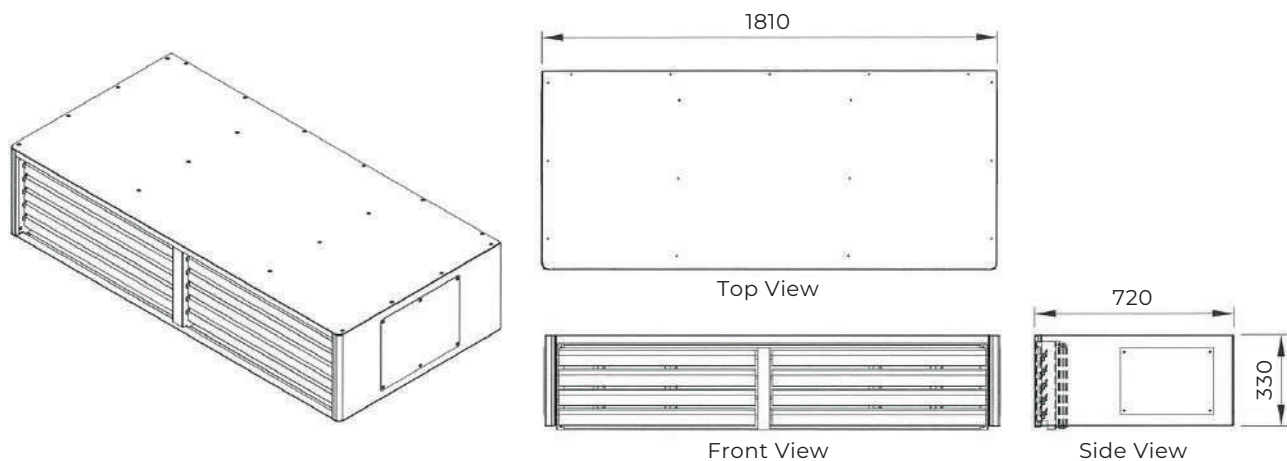
BPCV10QS



BPCV16QS

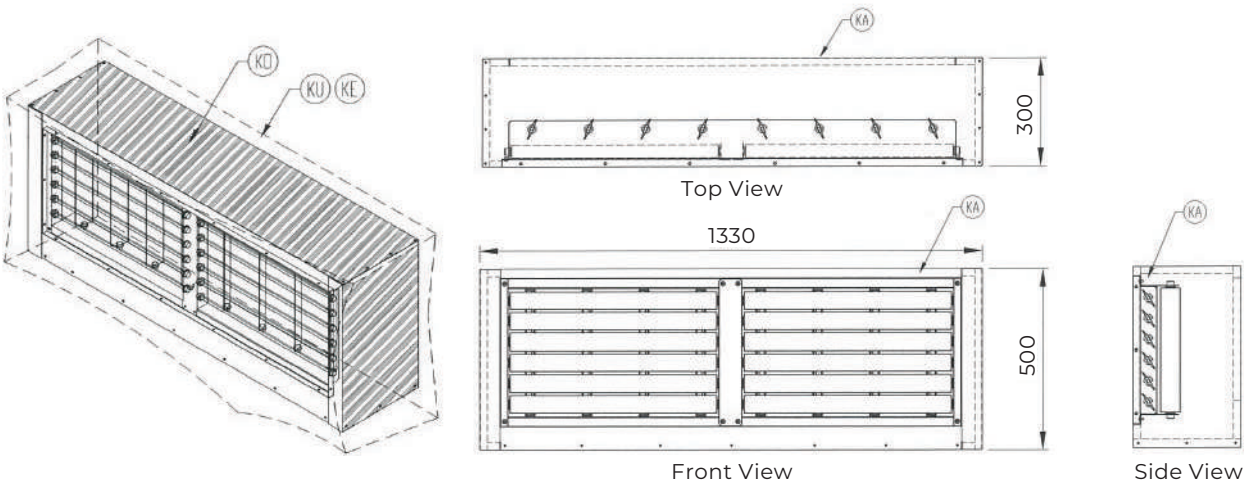


BPCV20QS

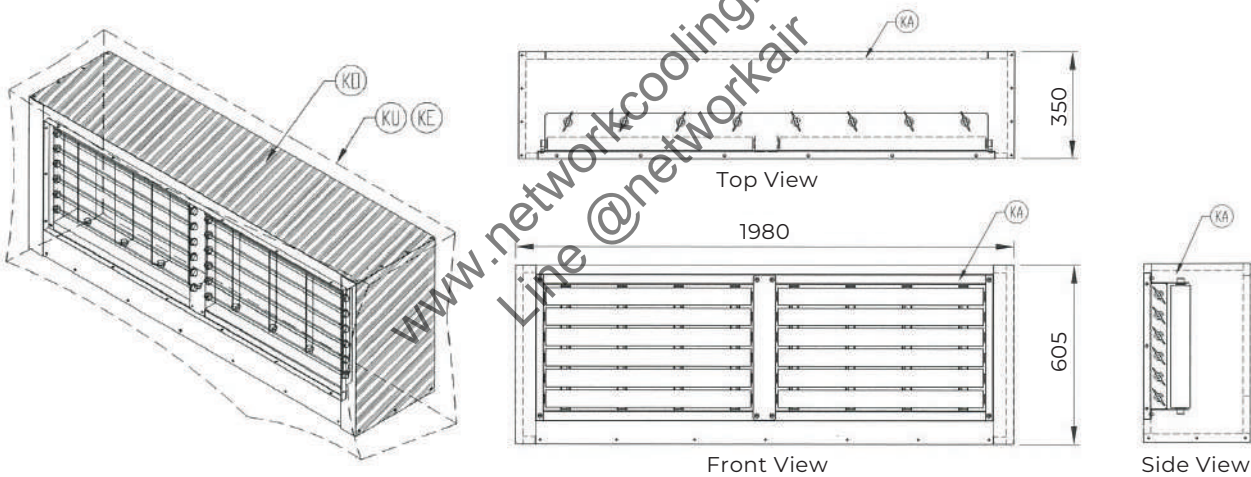


DUCT TYPE

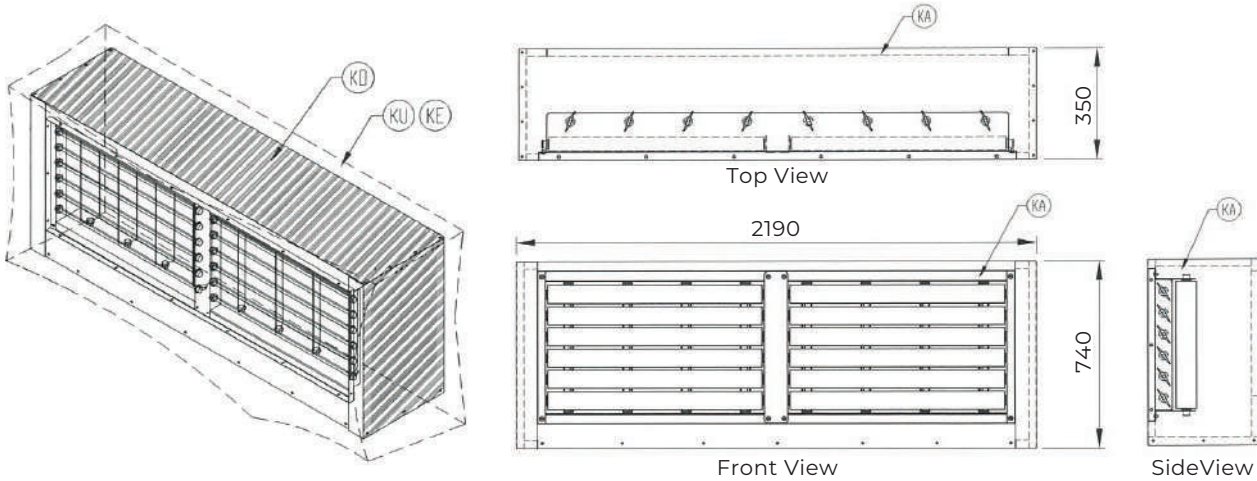
BPCD10Q



BPCD16Q



BPCD20Q



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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