



Perfecting the Air

R-410A

COOLING ONLY 50Hz

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

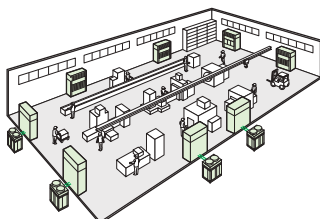
50Hz

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.

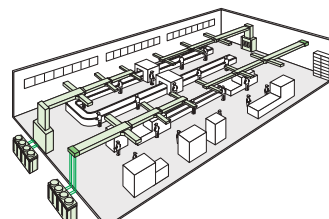


DUCT CONNECTION / DUCT TYPE

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		FVGR08RNV2S		FVGR10RNV2S		
		Outdoor unit		RUR08RNY2S		RUR10RNY2S		
Rated cooling capacity ^{*1} (Min-Max.)			Btu/h		80,000		100,000	
			kW		23.45		29.31	
Power consumption ^{*1}			kW		8.33		9.78	
			COP		2.82		3.00	
Indoor unit		Power supply		1 Phase, 220 V, 50 Hz				
		Colour		Ivory White				
		Air flow rate (H/L)		m³/min		75 / 66 / 52		
				cfm		2,650 / 2,330 / 1,840		
		Fan	Motor output	kW		0.245		
			Drive	Sirocco fan/Direct drive				
		Dimensions (H×W×D)		mm		1,870×1,170×510		
		Machine weight		kg		155		
		Sound level		dB(A)		60.5 / 57.5 / 53.0		
Drain		mm		PS 1B Internal thread				
Outdoor unit		Power supply		3 Phase, 380 V, 50 Hz				
		Colour		Polyester Paint				
		Compressor	Type	Hermetically sealed scroll type		Hermetically sealed scroll type		
			Motor output	kW		0.82		
		Coil type		Cross fin coil		Cross fin coil		
		Air flow rate (H)		m³/min		232		
		Dimensions (H×W×D)		mm		925x925x1,113		
		Machine weight		kg		158		
		Sound level ^{*2}		dB(A)		68		
		Operation range		°CDB		21-46°C		
Refrigerant charge (R410A)		kg		3.90				
Refrigerant Piping	Liquid		mm		Ø 9.5 (Brazing)			
	Gas		mm		Ø 22.2 (Brazing)			
Max. piping length			m		30			
Max. level difference			m		10 ^{*4}			
Safety Device				High Pressure Switch, Low Pressure Switch, Internal Overload Protector (Phase Protector is option)				

DUCT CONNECTION

Model Name		Indoor unit		FVPR10RNY2S	FVPR12RNY2S	FVPR15RNY2S	FVPR18RNY2S	FVPR20RNY2S
		Outdoor unit		RUR10RNY2S	RUR12RNY2S	RUR15RNY2S	RUR18RNY2S	RUR20RNY2S
Rated cooling capacity ^{*1,*5} (Min-Max.)			Btu/h	100,000	120,000	150,000	180,000	200,000
			kW	29.31	35.17	43.96	52.75	58.62
Power consumption ^{*1,*5}			kW	10.40	12.31	14.67	17.70	19.70
COP				2.82	2.86	3.00	2.98	2.98
Indoor unit	Power supply			3 Phase, 380 V, 50 Hz				
	Colour			Ivory White				
	Air flow rate (H)		m³/min	80	120		166	
			cfm	2,830	4,240		5,860	
	External static pressure ^{*3}		Pa	147	150			
	Fan	Motor output	kW	1.5			2.2	
		Drive		Sirocco fan/Belt drive				
	Dimensions (H×W×D)		mm	1,740×1,170×510	1,870×1,470×720		1,870×1,810×720	
	Machine weight		kg	151	251		297	
	Sound level		dB(A)	61	67		66	
Drain		mm	PS 1B Internal thread					
Outdoor unit	Power supply			3 Phase, 380 V, 50 Hz				
	Colour			Polyester Paint				
	Compressor	Type		Hermetically sealed scroll type				
		Motor output	kW	0.82			0.82x2	
	Coil type			Cross Fin Coil				
	Air flow rate (H)		m³/min	237	237	250	463	473
	Dimensions (H×W×D)		mm	925x925x1,113		1,025x1,025x1,240	1,840x920x1,032	
	Machine weight		kg	163	179	205	309	321
	Sound level ^{*2}		dB(A)	69	69	71	72	72
	Operation range		°CDB	21-46°C				
Refrigerant charge (R410A)		kg	5.10	5.80	6.80	3.90 kg/circuit	5.10 kg/circuit	
Refrigerant Piping	Liquid	mm	Ø 9.5 (Brazing)		Ø 12.7 (Brazing)		Ø 9.5x2 (Brazing)	
	Gas	mm	Ø 22.2 (Brazing)		Ø 28.6 (Brazing)		Ø 22.2x2 (Brazing)	
Max. piping length			m	30				
Max. level difference			m	10 ^{*4}				
Safety Device				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

Model Name		Indoor unit		FDR08RNY2S	FDR10RNY2S	FDR12RNY2S	FDR15RNY2S	FDR18RNY2S	FDR20RNY2S			
		Outdoor unit		RUR08RNY2S	RUR10RNY2S	RUR12RNY2S	RUR15RNY2S	RUR18RNY2S	RUR20RNY2S			
Rated cooling capacity ^{1,5} (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 ^{1,5}			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			Power supply		3 Phase, 380 V, 50 Hz							
			Colour		Ivory White							
			Air flow rate (H)		m³/min	78	120		166			
					cfm	2,750	4,240		5,860			
			External static pressure ³		Pa	98	150					
			Fan	Motor output	kW	1.5			2.2			
				Drive								
			Dimensions (H×W×D)		mm	500×1,330×850		625×1,980×850		760×2,195×870		
			Machine weight		kg	106		187		216		
			Sound level		dB(A)	57		59		60		
Outdoor unit			Drain		mm		PS 1B Internal thread					
			Power supply		3 Phase, 380 V, 50 Hz							
			Colour		Polyester Paint							
			Compressor		Type	Hermetically sealed scroll type						
					Motor output	kW	0.82	0.82	0.82	0.82	0.82x2	
					Cross fin coil							
			Air flow rate (H)		m³/min	232	237	237	250	463	473	
			Dimensions (H×W×D)		mm	925x925x1,113			1,025x1,025x1,240		1,840x920x1,032	
			Machine weight		kg	158	163	179	205	309	321	
			Sound level ²		dB(A)	68	69	69	71	72	72	
Refrigerant Piping			Operation range		21-46°C							
			Refrigerant charge (R410A)		kg	3.90	5.10	5.80	6.80	3.90 kg/circuit	5.10 kg/circuit	
Max. piping length			Liquid		mm		Ø 9.5 (Brazing)		Ø 12.7 (Brazing)			
			Gas		mm		Ø 9.5x2 (Brazing)		Ø 12.7x2 (Brazing)			
Max. level difference			m		30							
Safety Device					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

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

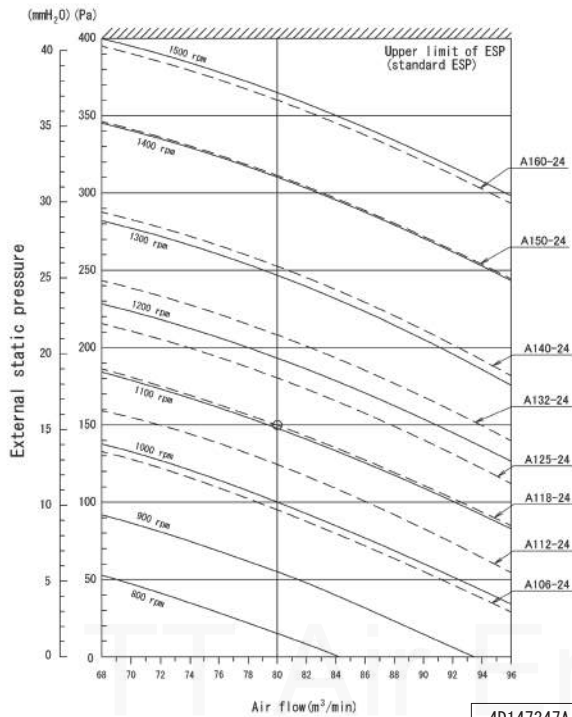
Option	FVGR-RNV2S	FVPR-RNY2S	FDR-RNY2S
Simplified remote controller	SDR4220551-1 (Built-in)		SDR4220551-1 (STD)
Wireless remote controller	SDR4220568-1 (Option)		

Fan Performance

FLOOR STANDING

DUCT CONNECTION

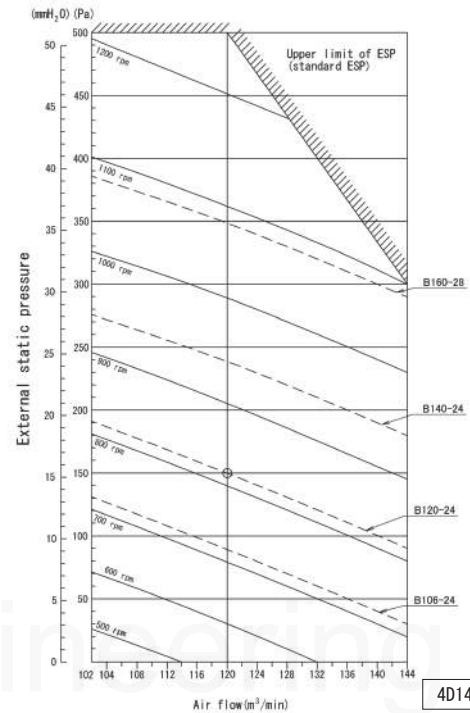
FVPR10RNY2S



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FVPR12RNY2S

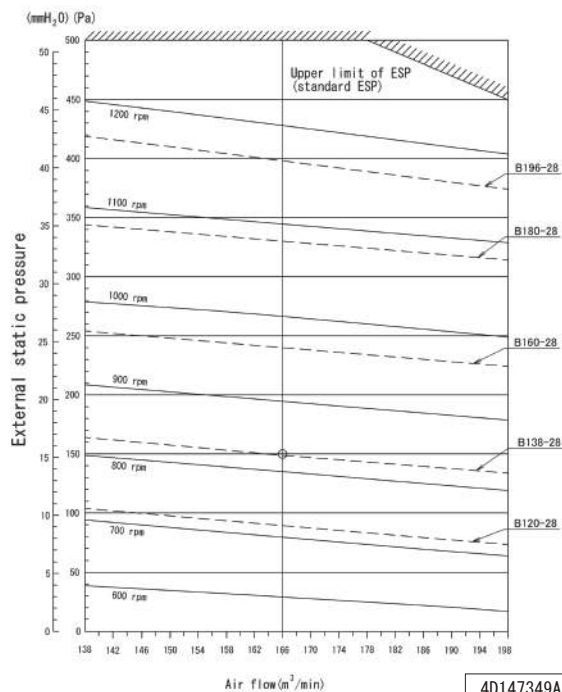
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FVPR18RNY2S

FVPR20RNY2S

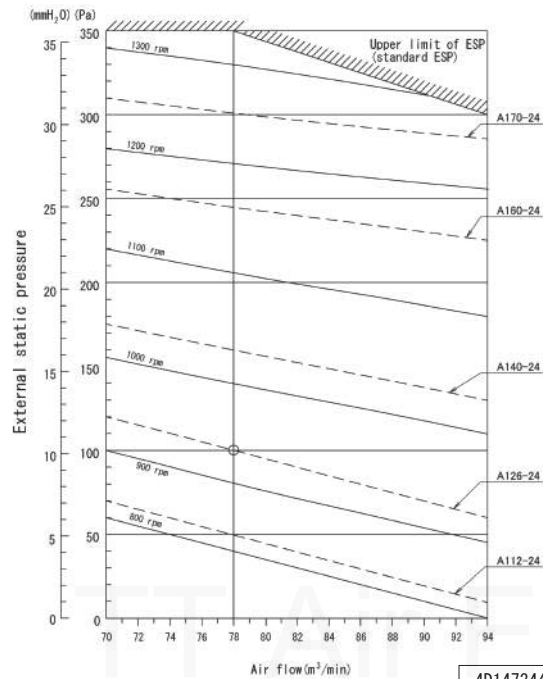


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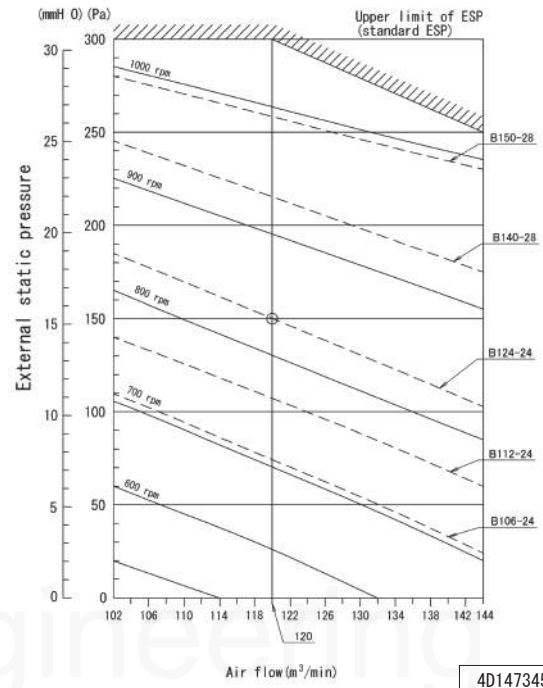
Fan Performance

DUCT TYPE

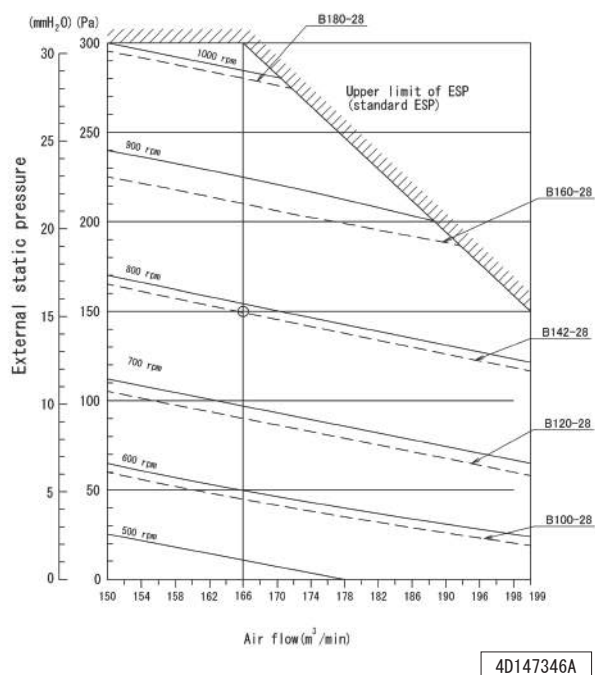
FDR08RNY2S
FDR10RNY2S



FDR12RNY2S
FDR15RNY2S



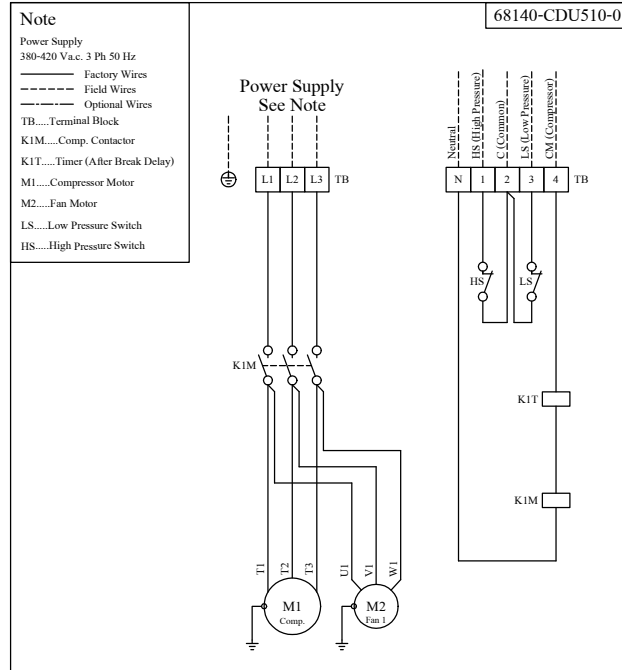
FDR18RNY2S
FDR20RNY2S



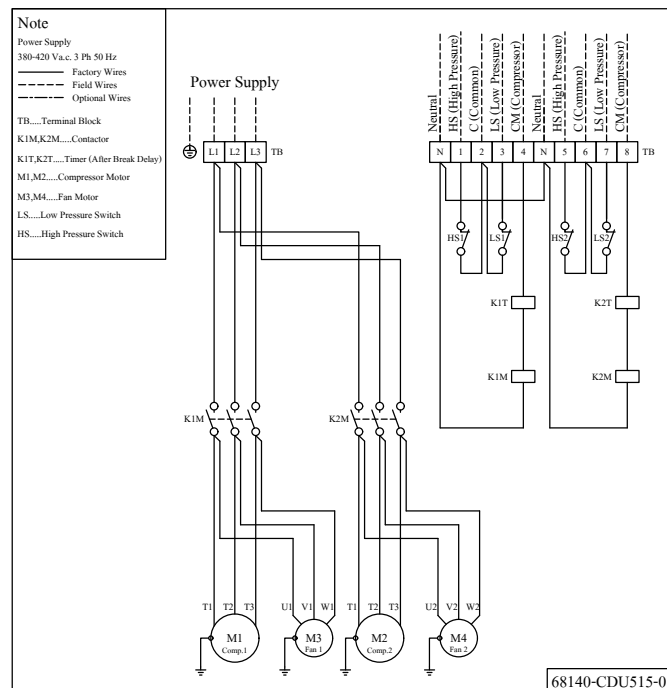
Wiring Diagrams

OUTDOOR UNIT

RUR08RNY2S/RUR10RNY2S/RUR12RNY2S/RUR15RNY2S

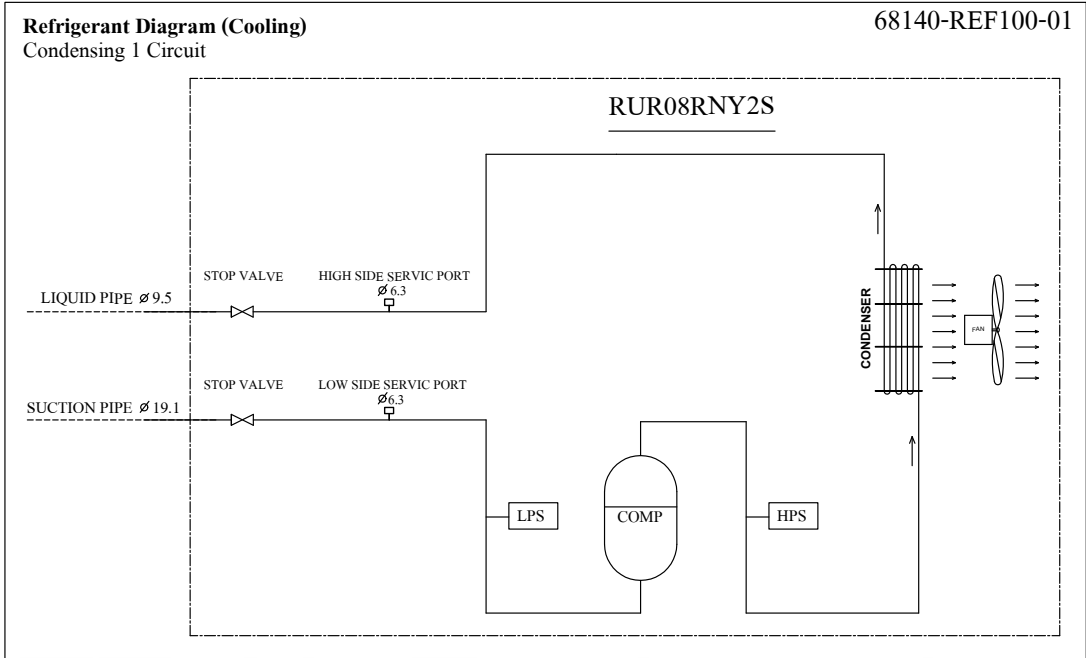


RUR18RNY2S/RUR20RNY2S

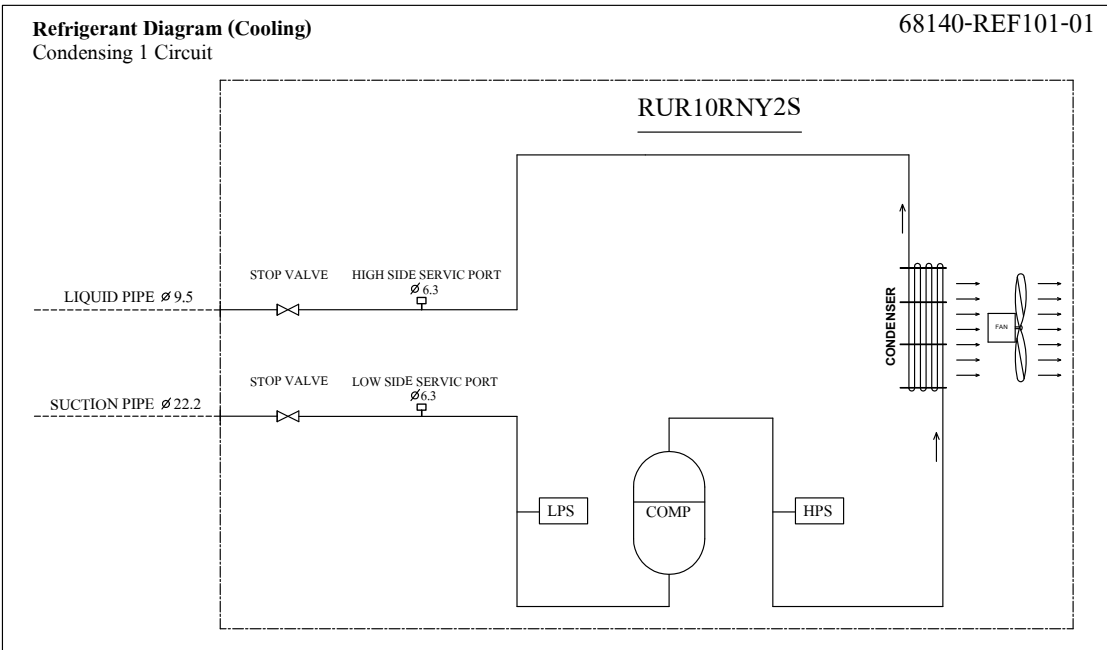


Piping Diagrams

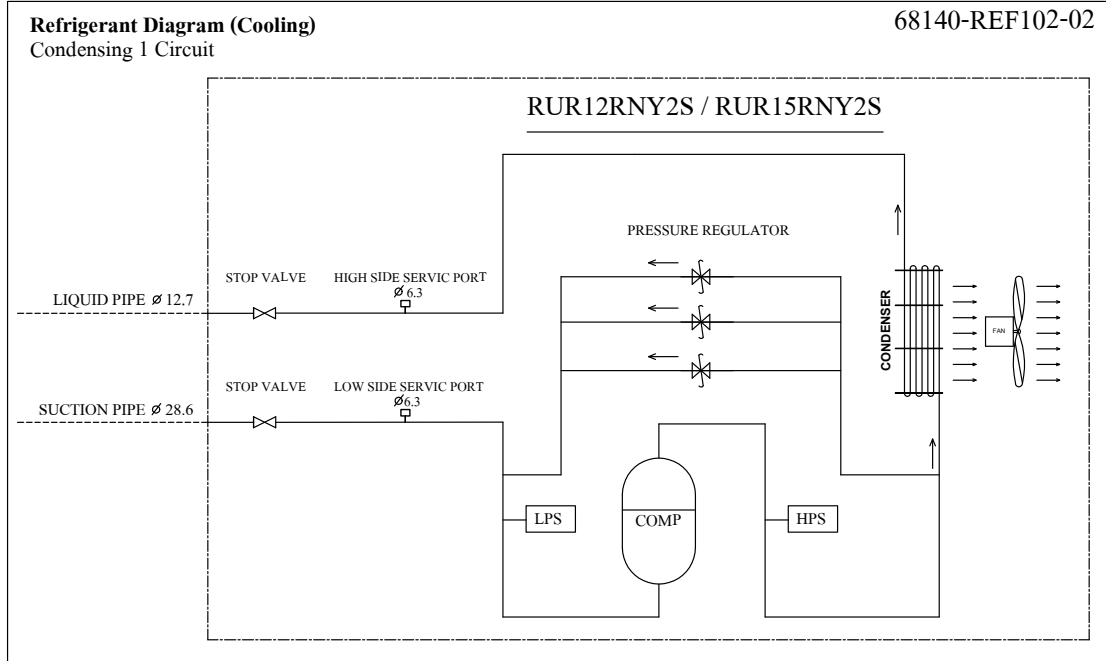
RUR08RNY2S



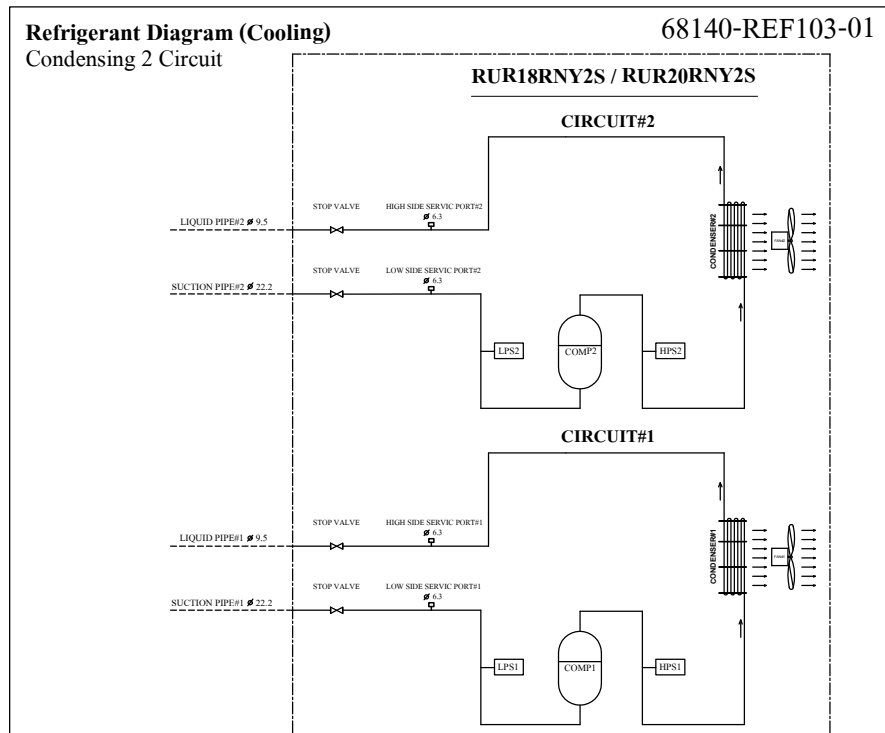
RUR10RNY2S



RUR12RNY2S/RUR15RNY2S



RUR18RNY2S/RUR20RNY2S

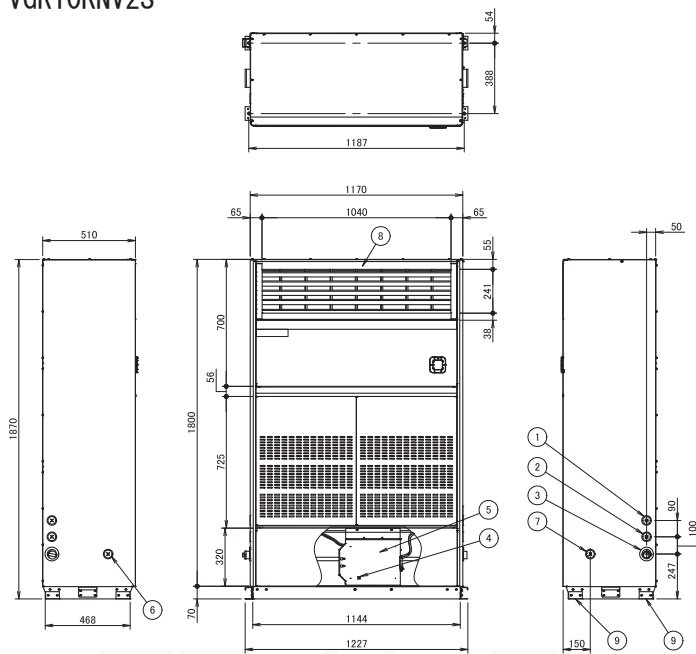


Dimensions (Unit:mm)

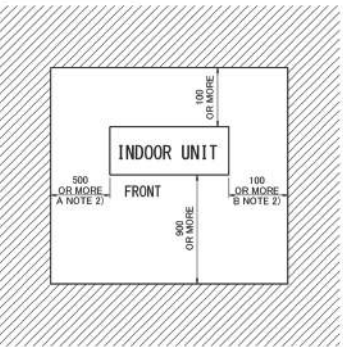
FLOOR STANDING TYPE

DIRECT AIR BLOW

FVGR08RV2S
FVGR10RV2S



SERVICE SPACE NOTE 1)



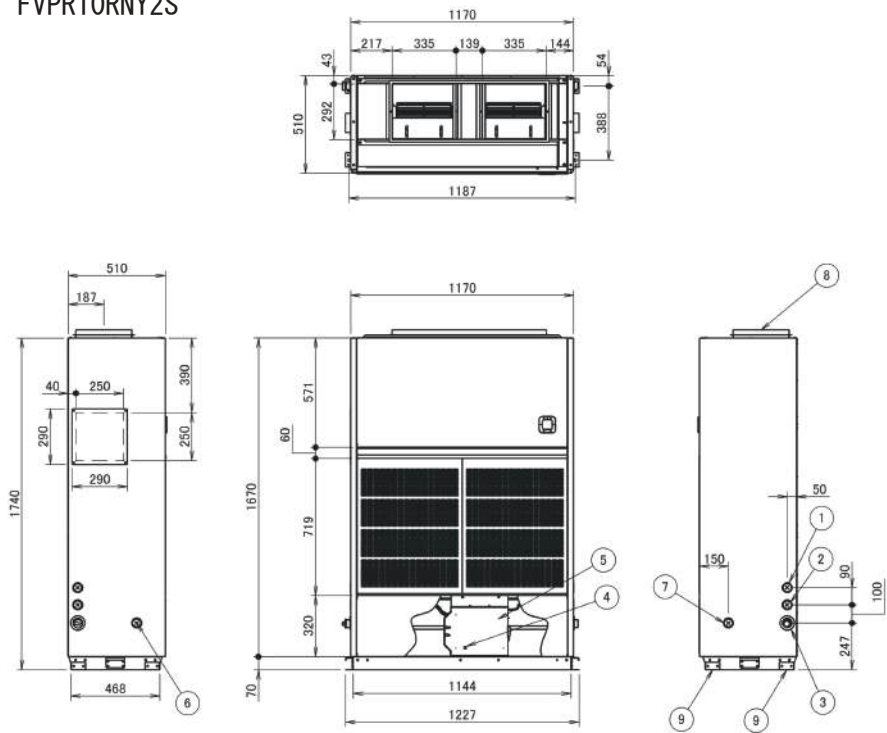
NOTE 1) IT SHOWS IN CASE OF LEFT SIDE PIPING.
(FACTORY DEFAULT IS LEFT SIDE PIPING.
CHANGE TO RIGHT SIDE PIPING NEEDS FIELD WORK.)
2) REVERSE DIMENSION A TO B IN CASE OF RIGHT SIDE PIPING.

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
ITEM	PART NAME	REMARK

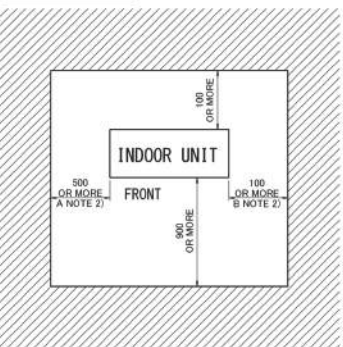
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DUCT CONNECTION

FVPR10RNY2S



SERVICE SPACE NOTE 1)



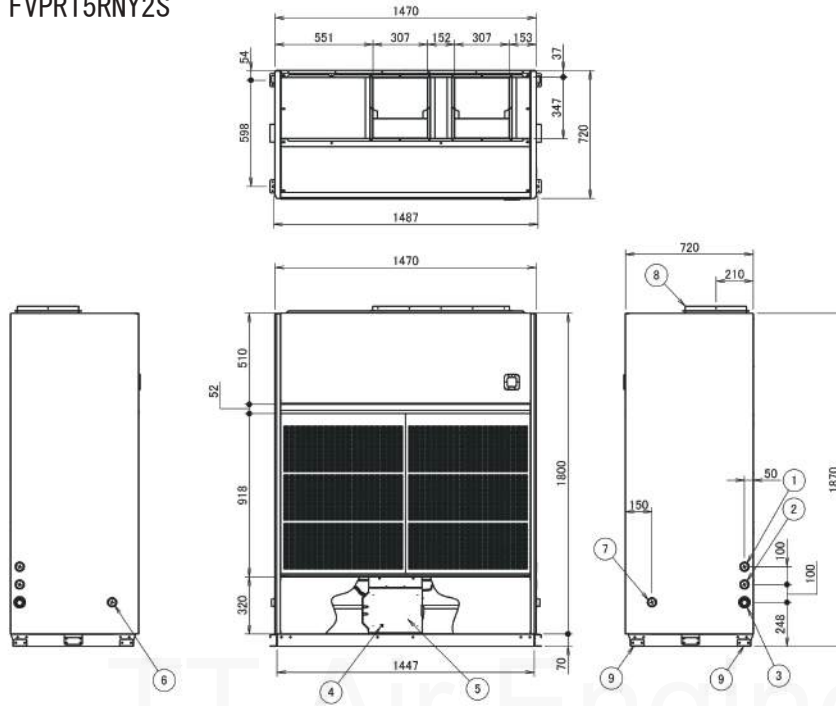
NOTE 1) IT SHOWS IN CASE OF LEFT SIDE PIPING.
(FACTORY DEFAULT IS LEFT SIDE PIPING.
CHANGE TO RIGHT SIDE PIPING NEEDS FIELD WORK.)
2) REVERSE DIMENSION A TO B IN CASE OF RIGHT SIDE PIPING.

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
ITEM	PART NAME	REMARK

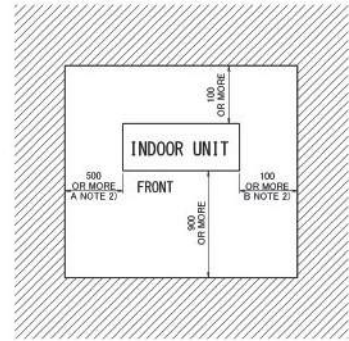
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DUCT CONNECTION

FVPR12RNY2S
FVPR15RNY2S



SERVICE SPACE NOTE 1)



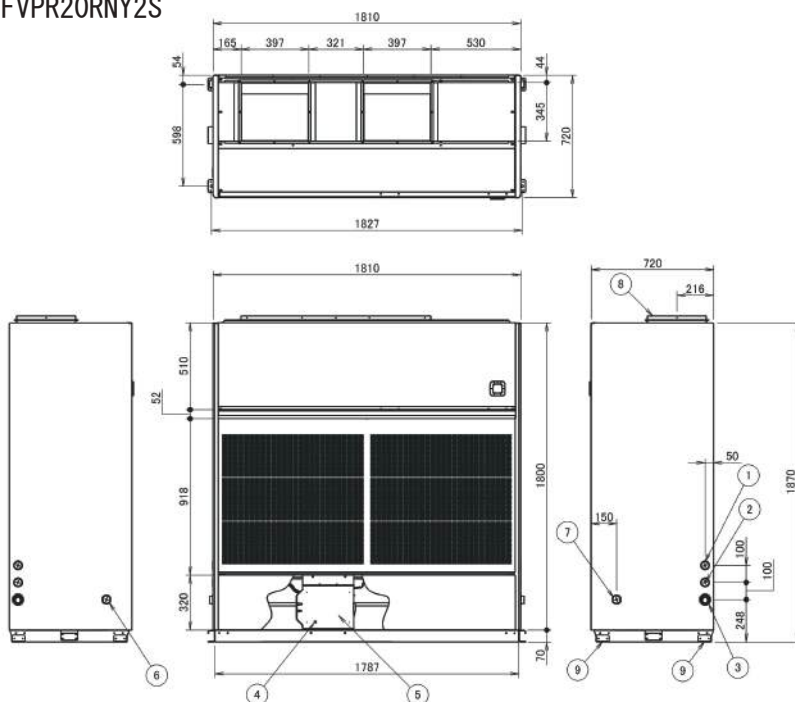
NOTE 1) IT SHOWS IN CASE OF LEFT SIDE PIPING.
(FACTORY DEFAULT IS LEFT SIDE PIPING.
CHANGE TO RIGHT SIDE PIPING NEEDS FIELD WORK.)
2) REVERSE DIMENSION A TO B IN CASE OF RIGHT SIDE PIPING.

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

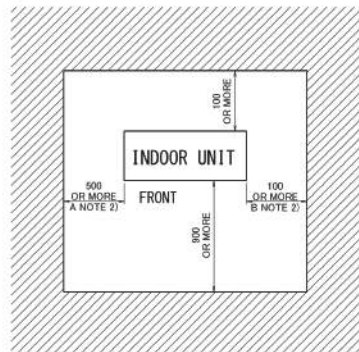
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DUCT CONNECTION

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

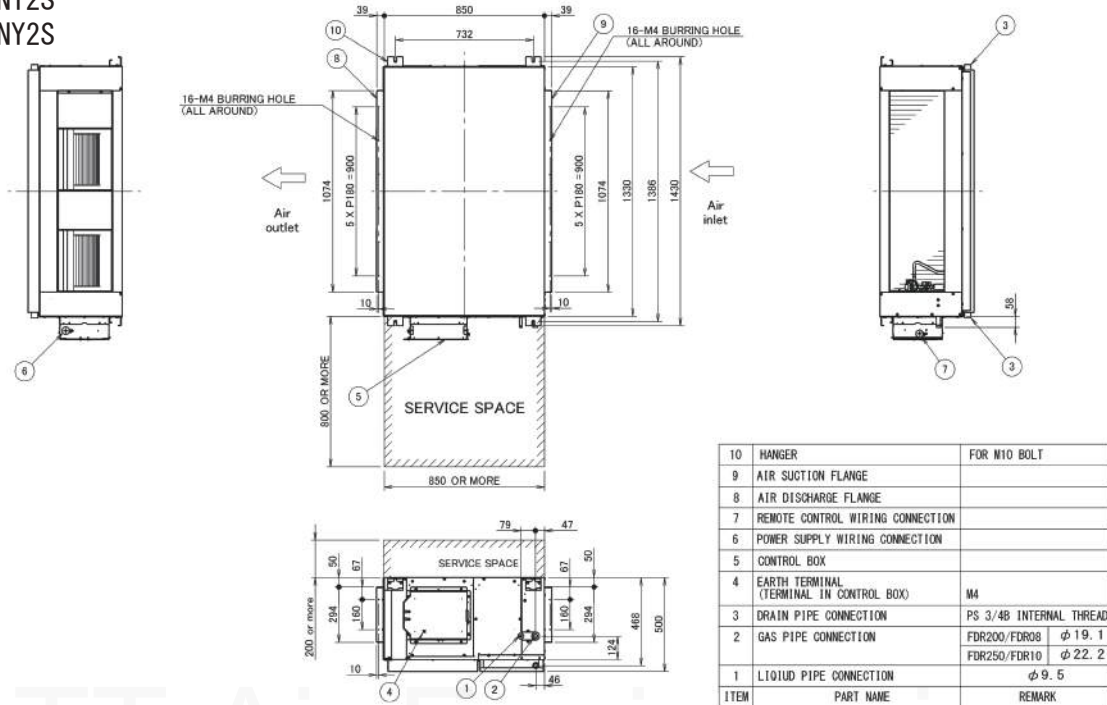
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Dimensions (Unit:mm)

DUCT TYPE

DUCT CONNECTION

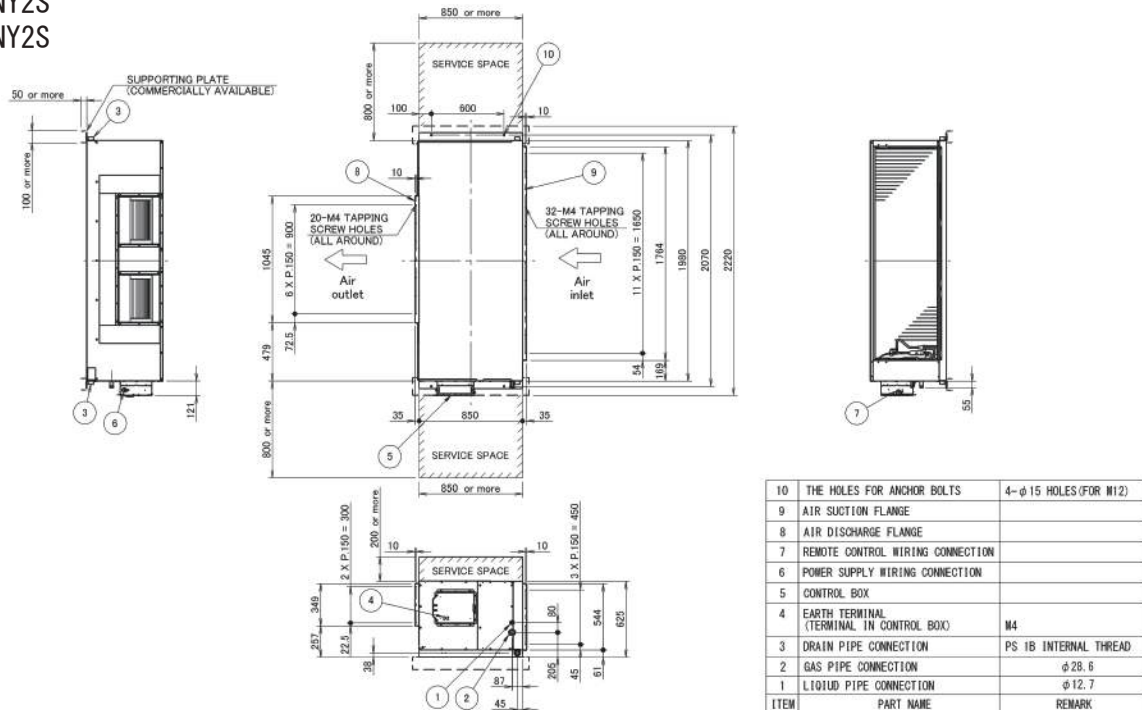
FDR08RNY2S
FDR10RNY2S



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DUCT CONNECTION

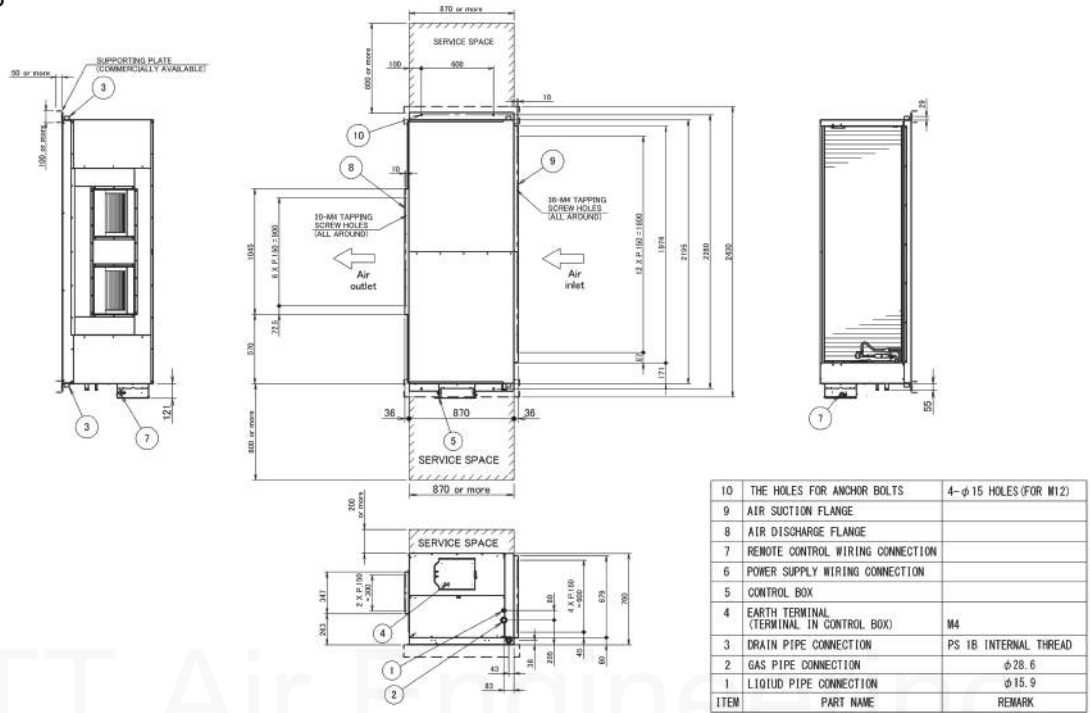
FDR12RNY2S
FDR15RNY2S



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DUCT CONNECTION

FDR18RNY2S
FDR20RNY2S

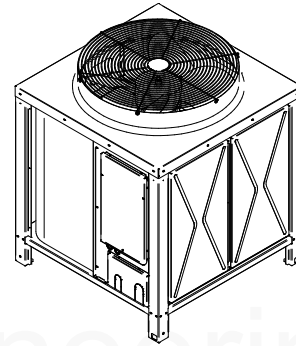
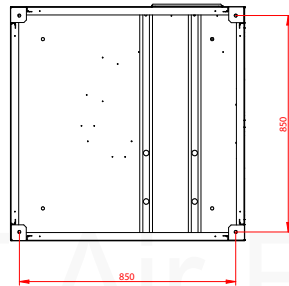
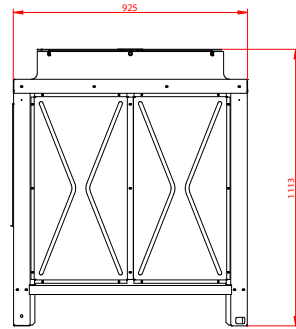
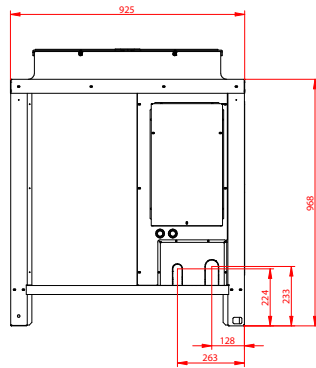


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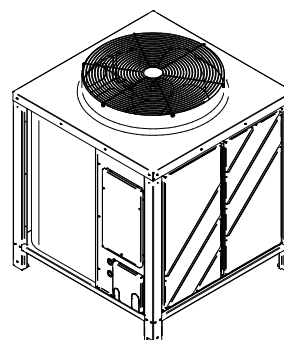
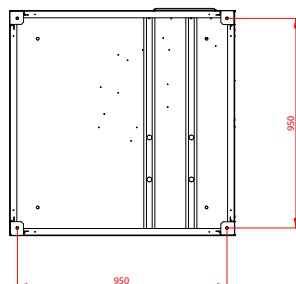
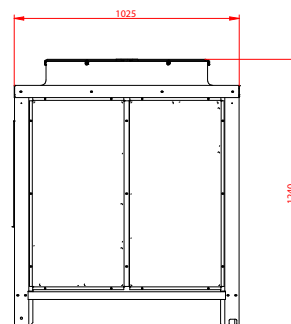
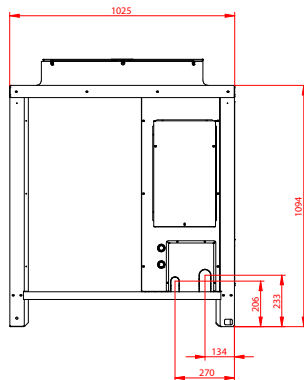
Dimensions (Unit:mm)

OUTDOOR UNIT

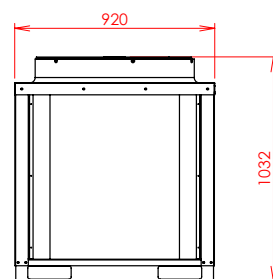
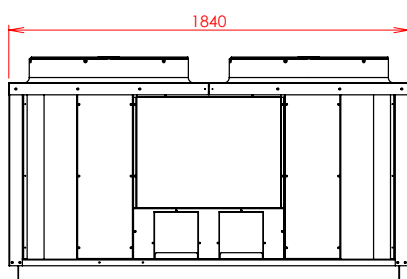
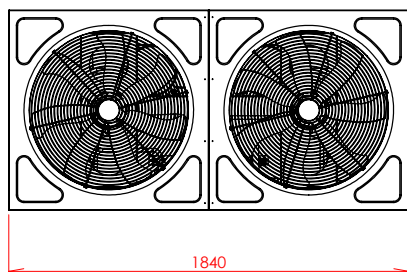
RUR08RNY2S/RUR10RNY2S/RUR12RNY2S



RUR15RNY2S



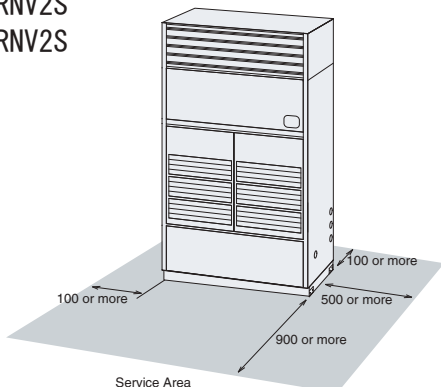
RUR18RNY2S/RUR20RNY2S



TT Air Engineering

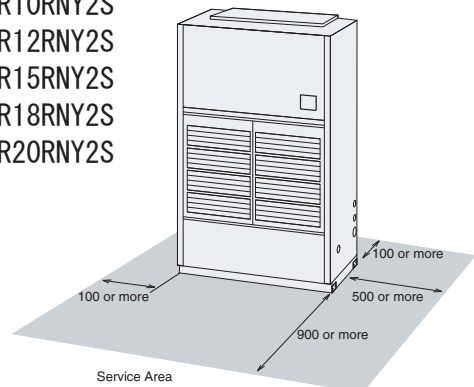
Space required for indoor unit installation (Unit:mm)

FVGR08RNV2S
FVGR10RNV2S



* Incase of left side Piping

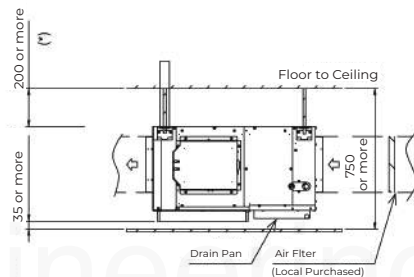
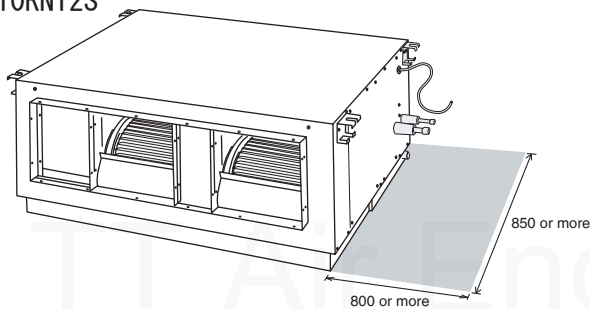
FVPR10RNY2S
FVPR12RNY2S
FVPR15RNY2S
FVPR18RNY2S
FVPR20RNY2S



* Incase of left side Piping

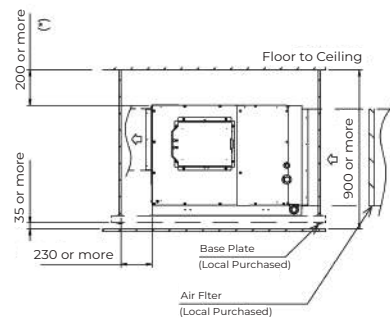
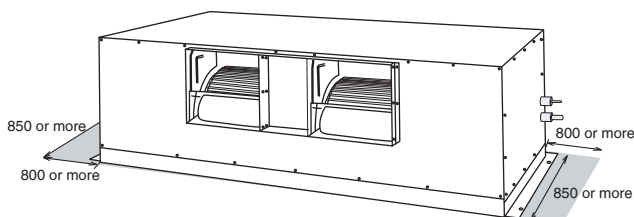
FDR08RNY2S
FDR10RNY2S

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



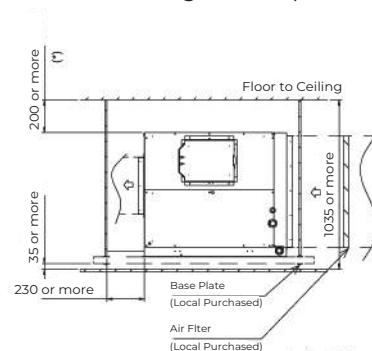
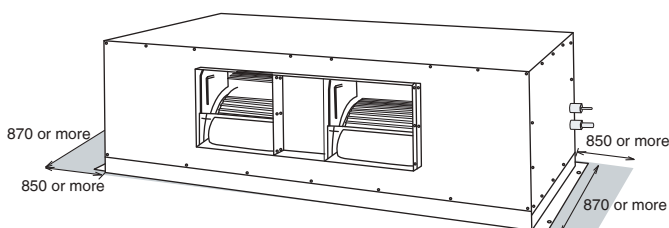
FDR12RNY2S
FDR15RNY2S

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.

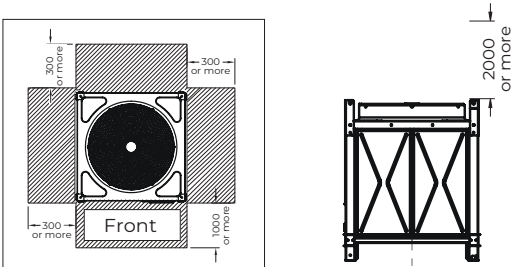


CDU Service Space

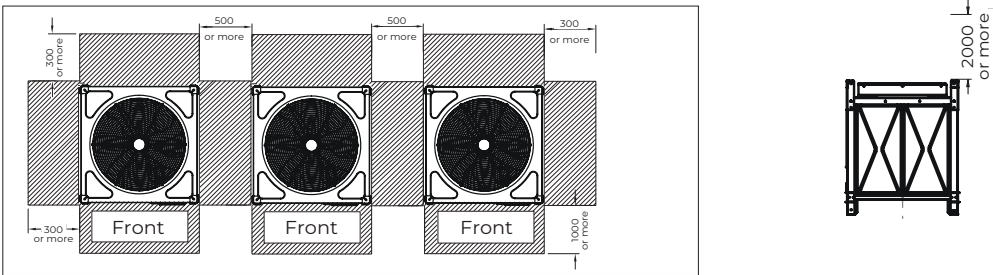
Space Required for Outdoor Unit Installation (Unit:mm)

RUR08-15RNY2S

For Single Unit Installation



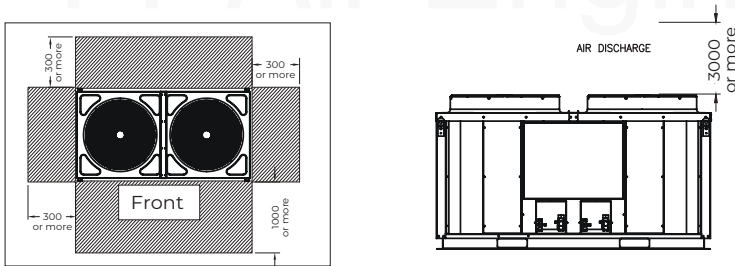
For Multiple Unit Installation



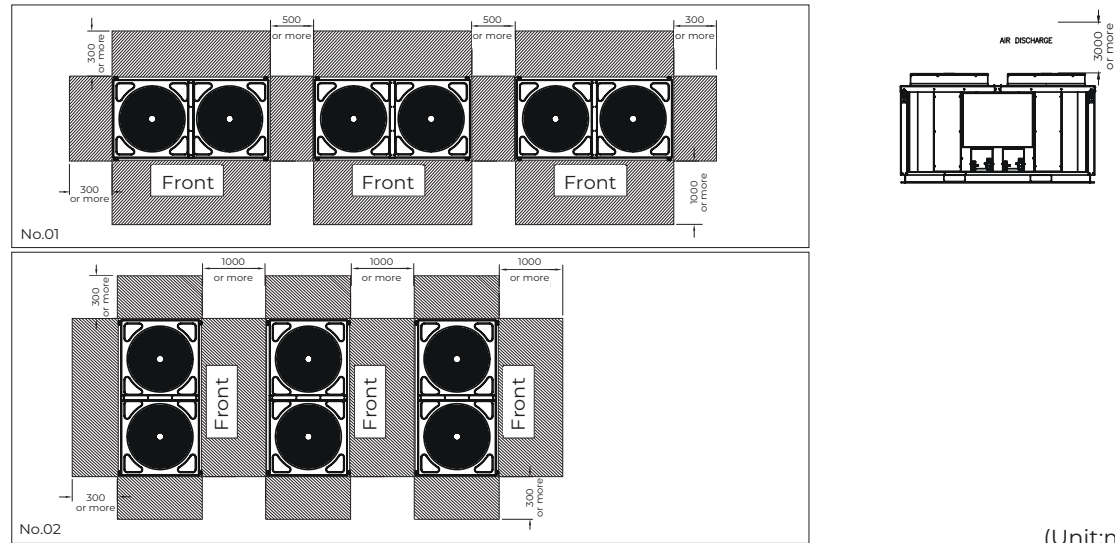
(Unit:mm)

RUR18-20RNY2S

For Single Unit Installation



For Multiple Unit Installation

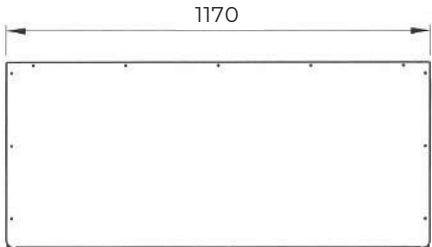
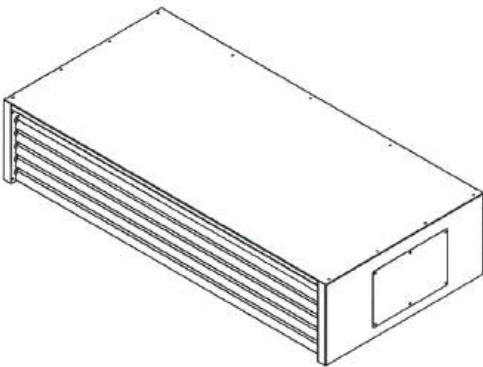


(Unit:mm)

Discharge grill Plenum Chamber

FLOOR STANDING TYPE

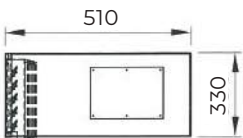
BPCV10QS



Top View

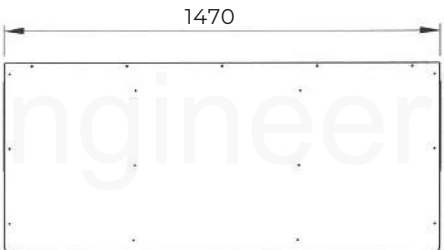
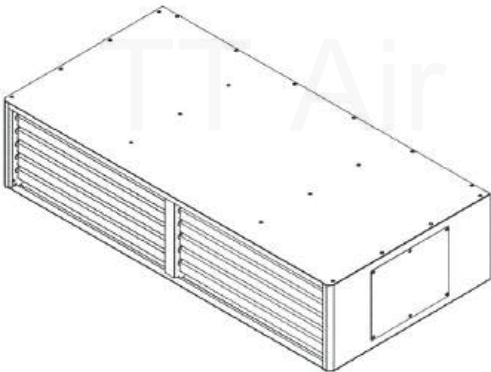


Front View



Side View

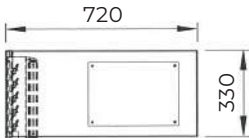
BPCV16QS



Top View

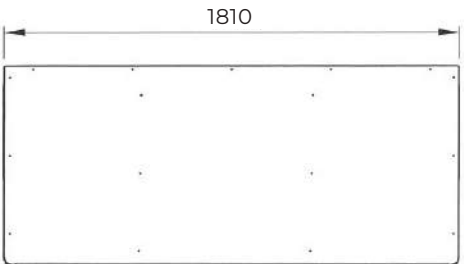
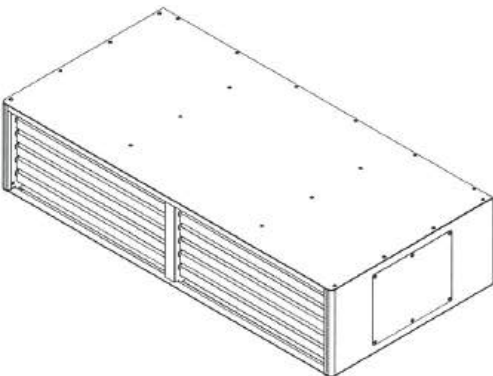


Front View



Side View

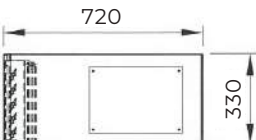
BPCV20QS



Top View



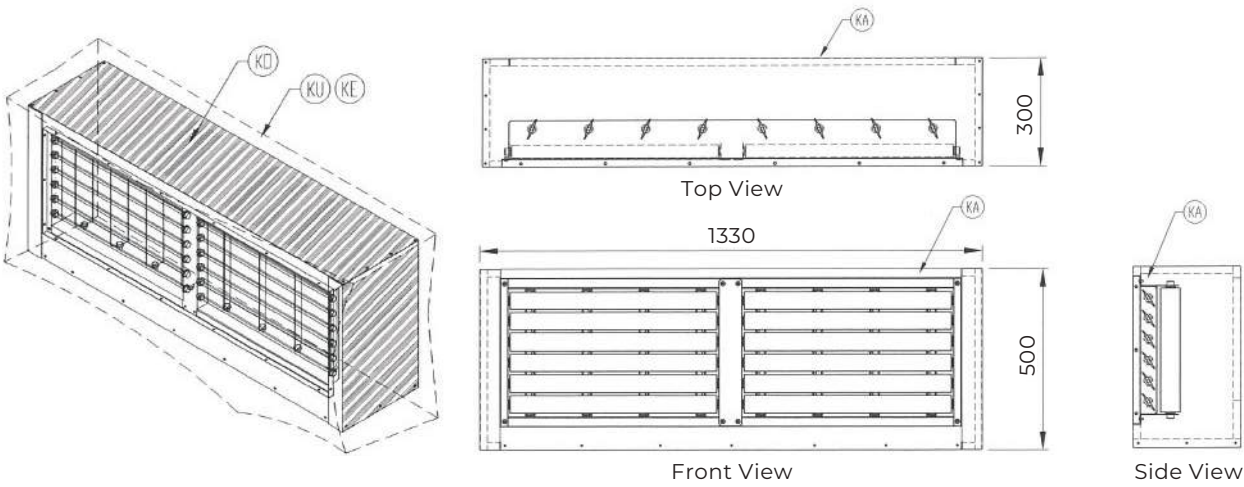
Front View



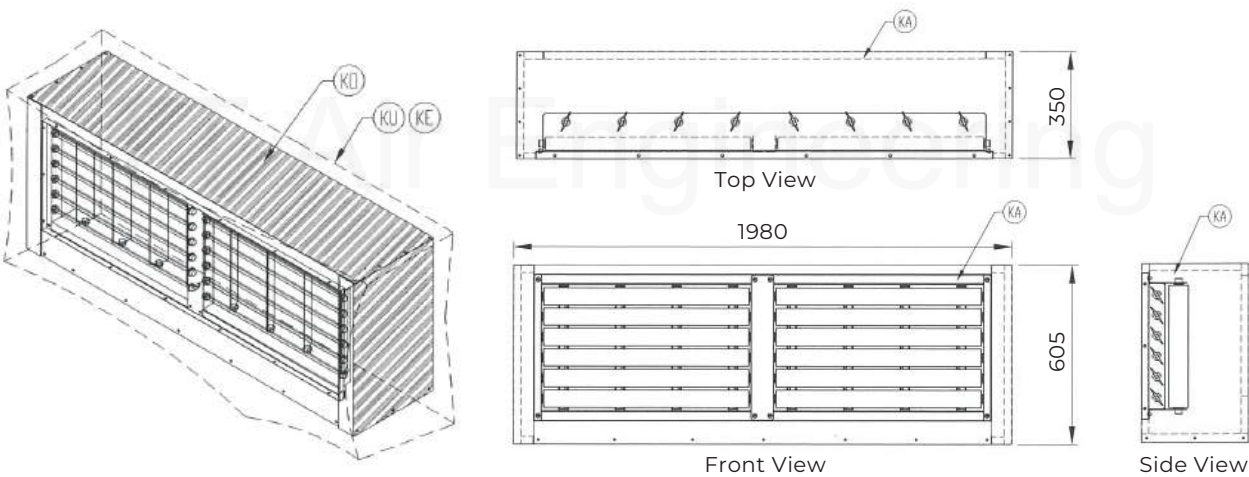
Side View

DUCT TYPE

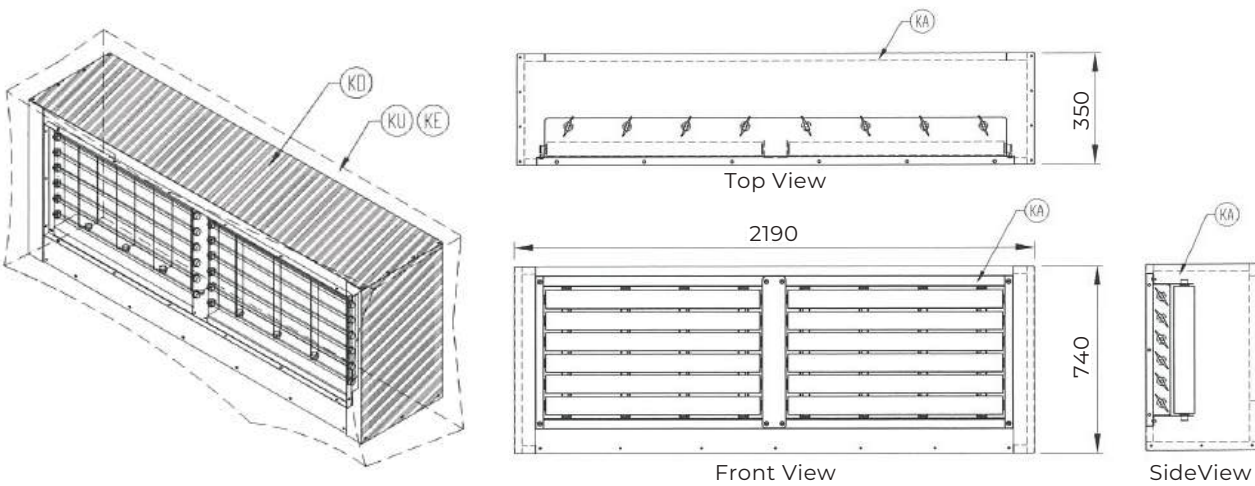
BPCD10Q



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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