

Come Home to
Better Comfort

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HITACHI
Air conditioning solutions

Specifications in this catalog are subject to change without prior notice to keep abreast with continuous innovations for our customers' benefit.

RPT-2001

HITACHI



PACKAGE AIR CONDITIONER

HITACHI

ENVIRONMENT FRIENDLY REFRIGERANT SAVES MORE ENERGY



Power Savings
Environment Friendly
High EER



Hitachi continues to innovate and revolutionize its package air conditioners while working hard to preserve the environment. This is made possible through the use of the new environmentally friendly refrigerant R410A. Built with an ozone-depleting coefficient of zero, it makes this entire lineup stand out from the competition.

TECHNOLOGICALLY ADVANCED SCROLL COMPRESSOR

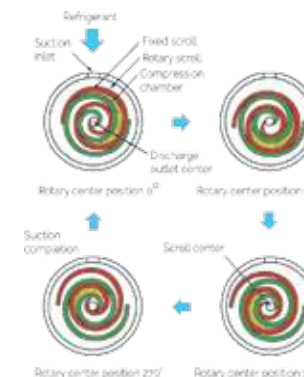
LOW WEAR, LOW FAILURE

Since the inlet and the outlet of a scroll compressor are not proximal to each other, no valve plate is required in either outlet. The flow of refrigerant is smooth. Unlike a traditional compressor, the scroll compressor will not break down due to damaged valve plates.

HIGH EFFICIENCY, ENERGY SAVING

Only a minute amount of air is leaked between the high-pressure and low-pressure regions while the scroll compressor is working. Also, since the inlet and the outlet are not adjacent, most of the refrigerant is saved. As a result, the scroll compressor becomes completely efficient, providing intensive cooling while saving energy.

COMPRESSION PRINCIPLE OF SCROLL COMPRESSORS



COMPREHENSIVE PROTECTIVE DEVICES

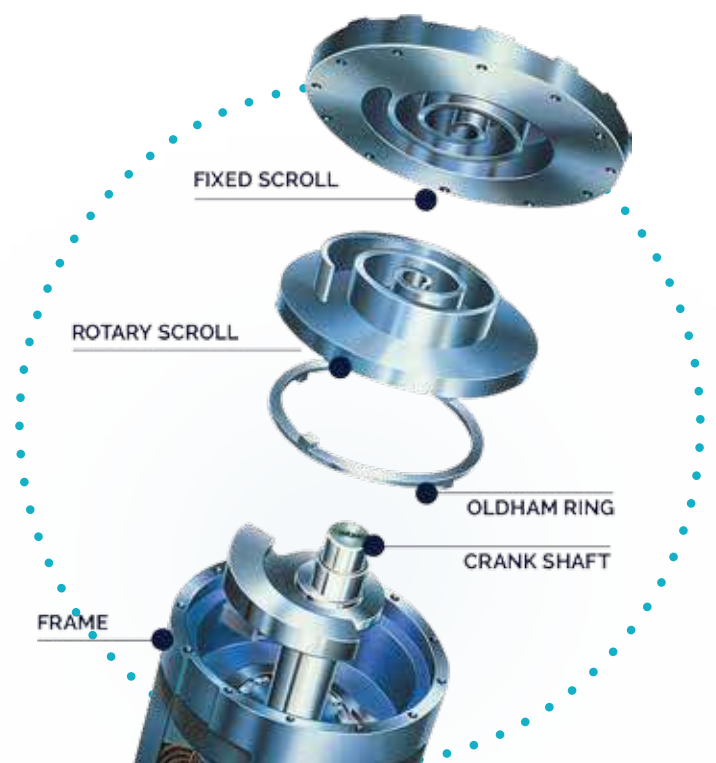
Protective devices such as switches, which protect against current overload, overheating, excess pressure and freezing, are provided. In case of machine failure, a code for the type of malfunction is displayed, so applying repairs is easier.

UNIQUE FUNCTIONS AND SETTINGS

Settings can be adjusted (e.g. remote control, auto-restart during power outages, etc.) during installation to conform to specific preferences and needs. Therefore, users do not have to search for a custom model anymore because this unit is more convenient and flexible to use.

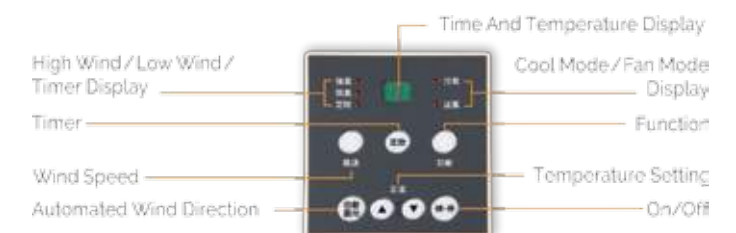
LOW VIBRATION, LOW NOISE LEVEL

Suction, compression and discharge are concurrent in each rotation. Variation in the torque of the compression is extremely small, thus vibration and noise level can be reduced to a minimum.



ELECTRONIC CONTROL AND DISPLAY FUNCTION

Functions such as On/Off, Temperature Setting and Timer Setting are selected through keys placed on an electronic thin film. Temperature Setting and Timer Setting can be displayed completely during operation, which allows users to facilitate the operation status ergonomically.



AIR-COOLED

Product Type		Model		Horsepower (HP)	Page Number
		Indoor Unit	Outdoor Unit		
Air Cooled	Free-Blow Model	RPS-NP52AB 	RAC-NP52AB 	5	5
		RPS-NP52A RPS-NP52AE 	RAC-NP52A RAC-NP52AE 	5	6
		RPS-NP82A RPS-NP82AE 	RAC-NP82A RAC-NP82AE 	8	7
		RPS-NP102A RPS-NP102AE 	RAC-NP102A RAC-NP102AE 	10	8
		RP-NP152A RP-NP152AE 	RCR-NP152A RCR-NP152AE 	15	9
		RP-NP152AL RP-NP152AEL 	RCR-NP152A RCR-NP152AE 	15	10
	Duct Model	RP-NP222A RP-NP222AE 	RCR-NP222A RCR-NP222AE 	22	11
		RP-NP302A RP-NP302AE 	RCR-NP162Ax2 RCR-NP162AEx2 	30	12

WATER-COOLED



Product Type		Model		Horsepower (HP)	Page Number
Water Cooled	Free-Blow Model	RP-NP52WB 		5	13
		RP-NP32W 		3	13
		RP-NP42W 		4	14
		RP-NP52W RP-NP52WE 		5	14
		RP-NP82W RP-NP82WE 		8	15
		RP-NP102W RP-NP102WE 		10	16
		RP-NP152W RP-NP152WE 		15	17
	Duct Model	RP-NP52WL RP-NP52WEL 		5	15
		RP-NP82WL RP-NP82WEL 		8	16
		RP-NP102WL RP-NP102WEL 		10	17
		RP-NP152WL RP-NP152WEL 		15	18
		RP-NP222W RP-NP222WE 		22	18
		RP-NP302W RP-NP302WE 		30	19
		RP-NP402W RP-NP402WE 		40	19

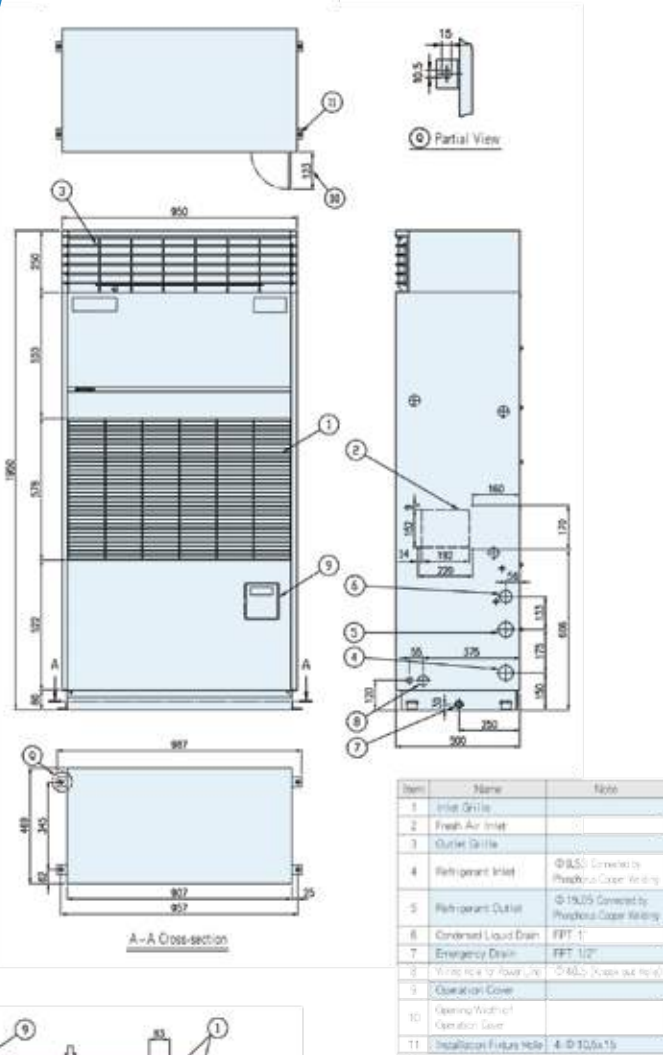
AIR-COOLED

RPS-NP52AB+RAC-NP52AB

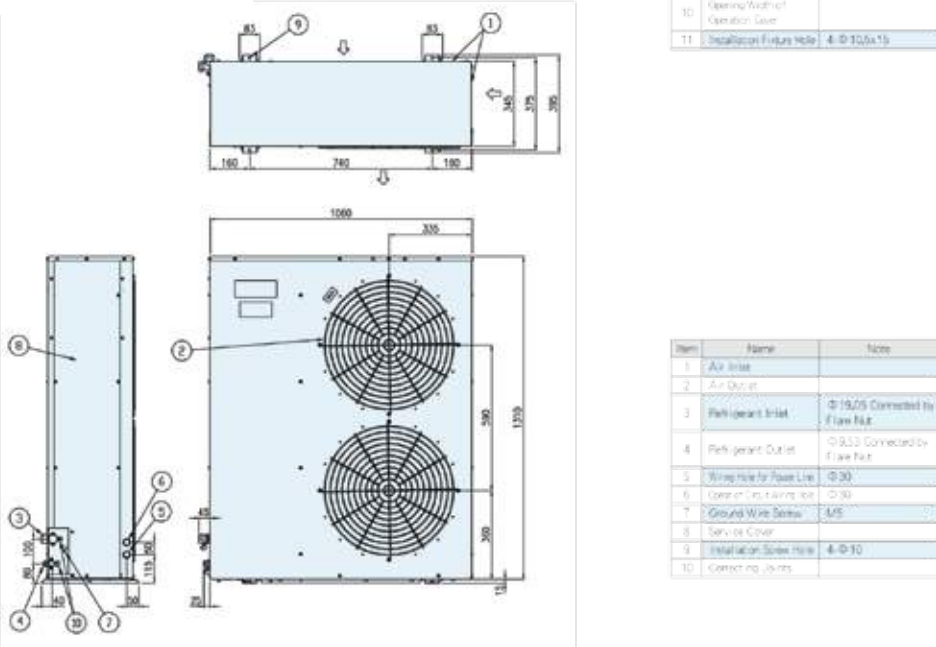
Cooling Capacity: 16.0kW
Compressor Motor Output 3.75kW



Indoor Unit RPS-NP52AB



Outdoor Unit RAC-NP52AB



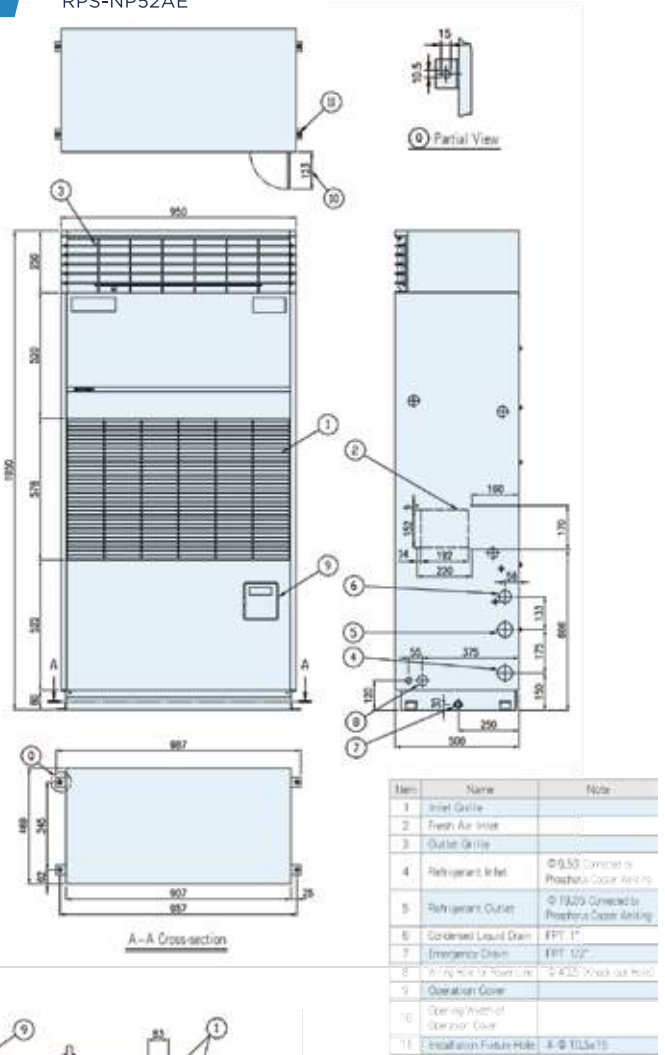
AIR-COOLED

RPS-NP52A+RAC-NP52A
RPS-NP52AE+RAC-NP52AE

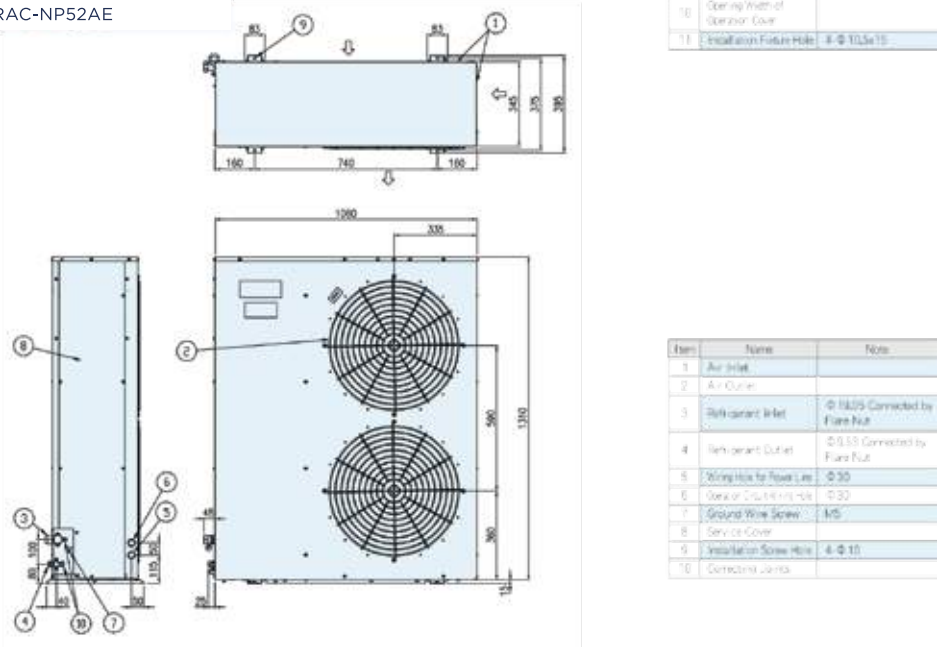
Cooling Capacity: 16.0kW
Compressor Motor Output 3.75kW



Indoor Unit RPS-NP52A
RPS-NP52AE



Outdoor Unit RAC-NP52A
RAC-NP52AE



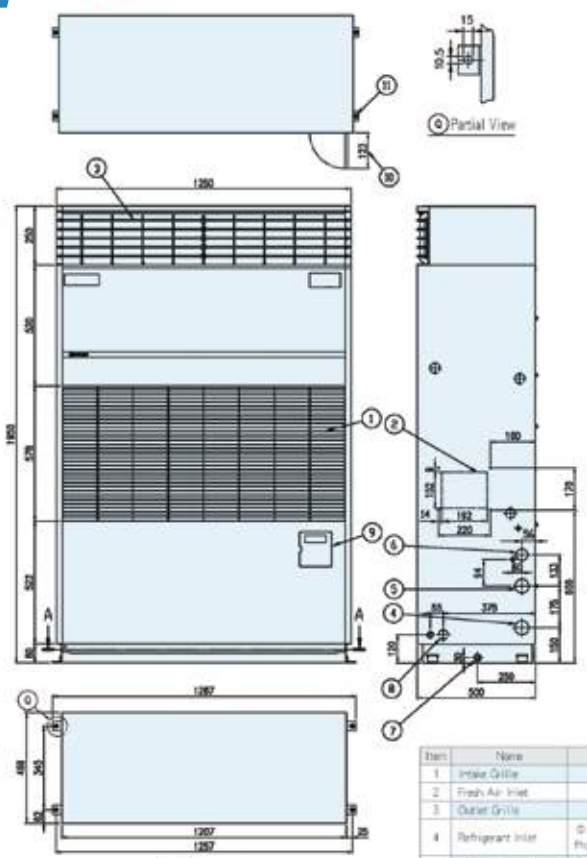
AIR-COOLED

RPS-NP82A+RAC-NP82A
RPS-NP82AE+RAC-NP82AE

Cooling Capacity: 25.0kW
Compressor Motor Output 6.4kW

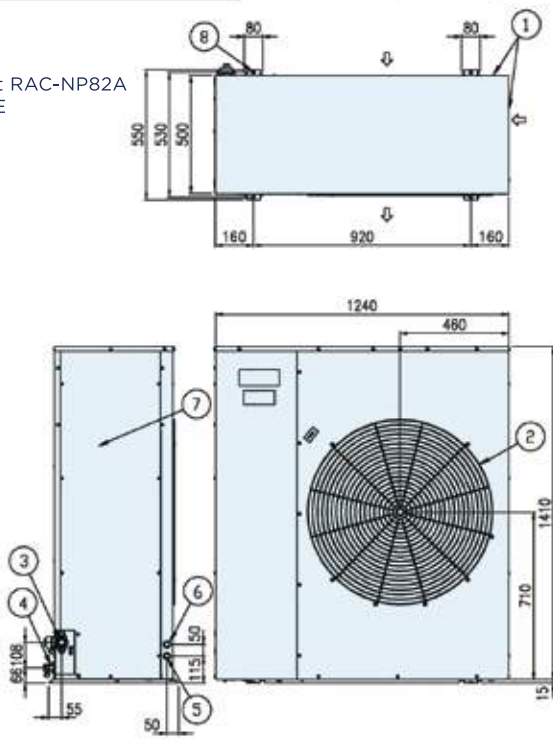


Indoor Unit RPS-NP82AB
RPS-NP82AE



Item	Name	Note
1	Indoor Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet	Φ12.7 Connected to Refrigerant Copper Piping
5	Refrigerant Outlet	Φ22.2 Connected to Refrigerant Copper Piping
6	Condensate Drain Pipe	RPT 1/2"
7	Emergency Drain	RPT 1/2"
8	Wiring Hole for Power Line	Φ42.5 (Access out hole)
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Installation Future Hole	4-Φ10.5x19

Outdoor Unit RAC-NP82A
RAC-NP82AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ22.2 Connected by Flange Nut
4	Refrigerant Outlet	Φ12.7 Connected by Flange Nut
5	Wiring Hole for Power Line	Φ32
6	Control Circuit Air Inlet	Φ20
7	Service Cover	
8	Installation Screw Hole	4-Φ10

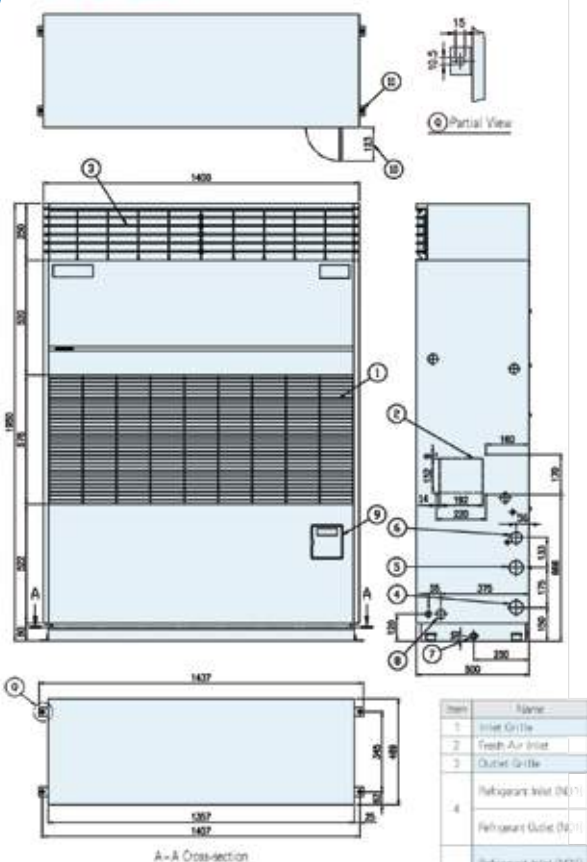
AIR-COOLED

RPS-NP102A+RAC-NP102A
RPS-NP102AE+RAC-NP102AE

Cooling Capacity: 32.0kW
Compressor Motor Output 3.75kWx2

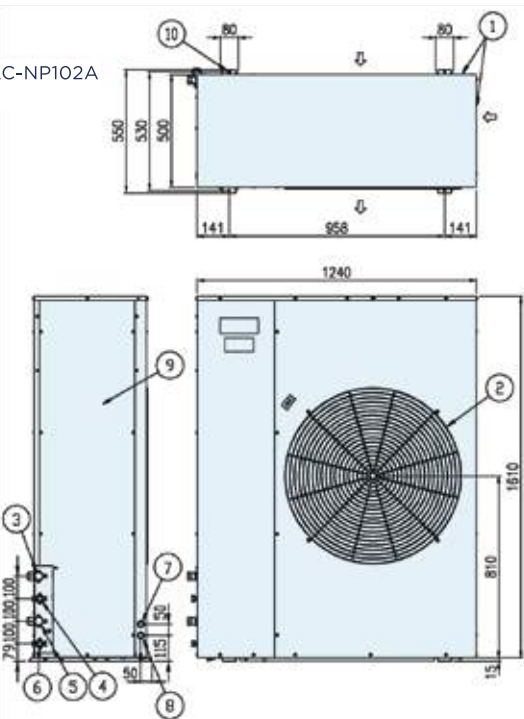


Indoor Unit RPS-NP102A
RPS-NP102AE



Item	Name	Note
1	Indoor Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (R410A)	Φ9.53 Connected to Refrigerant Copper Piping
5	Refrigerant Outlet (R410A)	Φ19.05 Connected to Refrigerant Copper Piping
6	Refrigerant Inlet (R407C)	Φ9.53 Connected to Refrigerant Copper Piping
7	Refrigerant Outlet (R407C)	Φ19.05 Connected to Refrigerant Copper Piping
8	Condensate Drain Pipe	RPT 1/2"
9	Emergency Drain	RPT 1/2"
10	Wiring Hole for Power Line	Φ42.5 (Access out hole)
11	Operation Cover	
12	Opening Width of Operation Cover	
13	Installation Future Hole	4-Φ10.5x19

Outdoor Unit RAC-NP102A
RAC-NP102AE



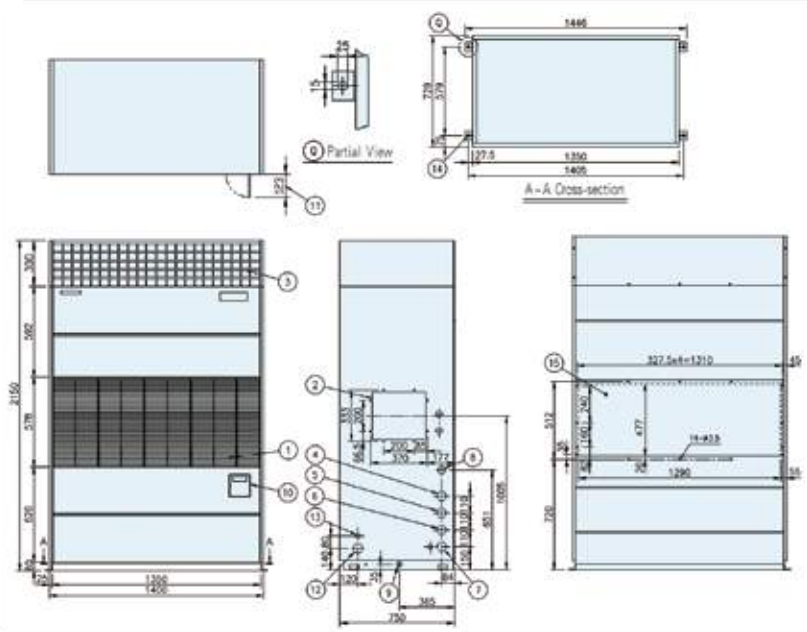
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (R410A)	Φ19.05 Connected by Flange Nut
4	Refrigerant Outlet (R410A)	Φ9.53 Connected by Flange Nut
5	Refrigerant Inlet (R407C)	Φ19.05 Connected by Flange Nut
6	Refrigerant Outlet (R407C)	Φ9.53 Connected by Flange Nut
7	Wiring Hole for Power Line	Φ32
8	Control Circuit Air Inlet	Φ20
9	Service Cover	
10	Installation Screw Hole	4-Φ10

AIR-COOLED

RP-NP152A+RCR-NP152A
RP-NP152AE+RCR-NP152AE

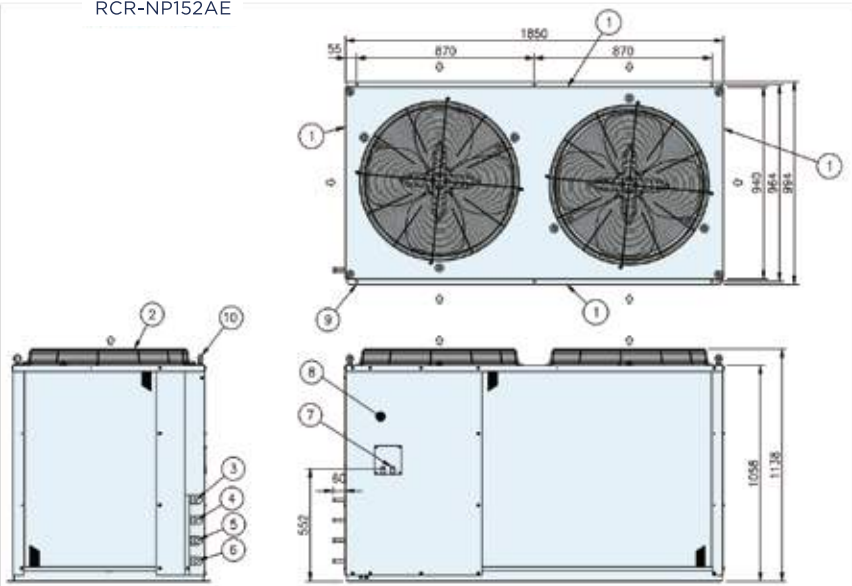
Cooling Capacity: 48.9kW
Compressor Motor Output 6.4kW+4.9kW

Indoor Unit
RP-NP152A
RP-NP152AE



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (N01)	Φ12.7 Connected by Flare Nut
5	Refrigerant Outlet (N01)	Φ15.88 Connected by Flare Nut
6	Refrigerant Inlet (N02)	Φ12.7 Connected by Flare Nut
7	Refrigerant Outlet (N02)	Φ15.88 Connected by Flare Nut
8	Condensed Liquid Drain	FPT 1"
9	Emergency Drain	FPT 1/2"
10	Operation Cover	
11	Opening Width of Operation Cover	
12	Wiring Hole for Power Line	Φ6.2 (No lock out Hole)
13	Wiring Hole for Control Line	Φ32.5 (No lock out Hole)
14	Installation Future Hole	4-Φ11x25
15	Backside Intake	

Outdoor Unit
RCR-NP152A
RCR-NP152AE



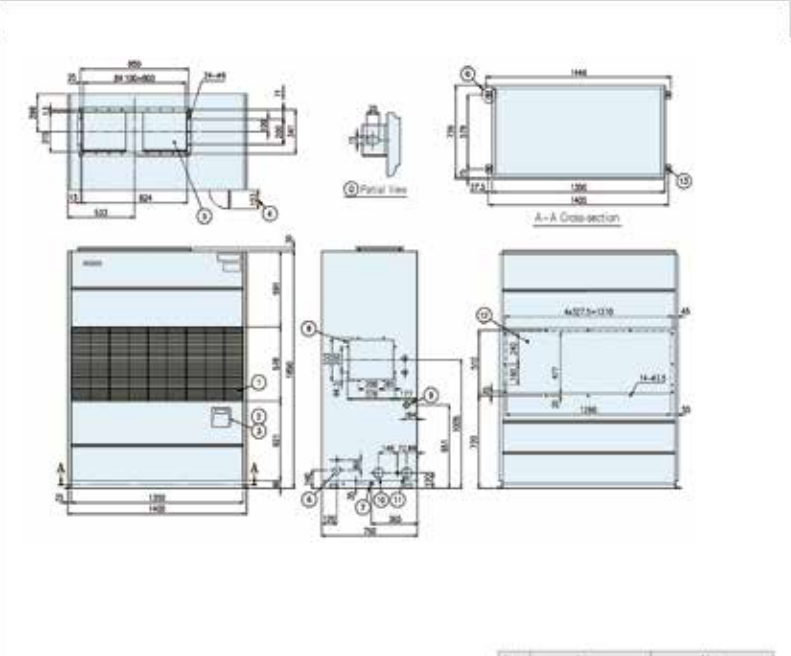
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (N01)	Φ12.7 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet (N01)	Φ15.88 Connected by Phosphorus Copper Welding
5	Refrigerant Inlet (N02)	Φ12.7 Connected by Phosphorus Copper Welding
6	Refrigerant Outlet (N02)	Φ15.88 Connected by Phosphorus Copper Welding
7	Wiring Hole for Fan	Φ12
8	Service Cover	
9	Installation Screw Hole	6-Φ12.5
10	Mount Bolt	

AIR-COOLED

RP-NP152AL+RCR-NP152A
RP-NP152AEL+RCR-NP152AE

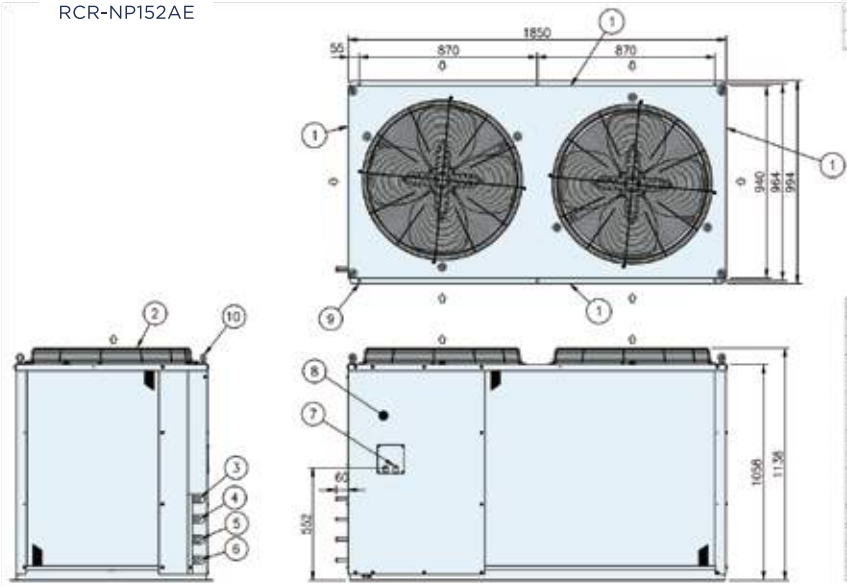
Cooling Capacity: 48.9kW
Compressor Motor Output 6.4kW+4.9kW

Indoor Unit
RP-NP152AL
RP-NP152AEL



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (N01)	Φ12.7 Connected by Flare Nut
5	Refrigerant Outlet (N01)	Φ15.88 Connected by Flare Nut
6	Refrigerant Inlet (N02)	Φ12.7 Connected by Flare Nut
7	Refrigerant Outlet (N02)	Φ15.88 Connected by Flare Nut
8	Condensed Liquid Drain	FPT 1"
9	Emergency Drain	FPT 1/2"
10	Operation Cover	
11	Opening Width of Operation Cover	
12	Wiring Hole for Power Line	Φ6.2 (No lock out Hole)
13	Wiring Hole for Control Line	Φ32.5 (No lock out Hole)
14	Installation Future Hole	4-Φ11x25
15	Backside Intake	

Outdoor Unit
RCR-NP152A
RCR-NP152AE



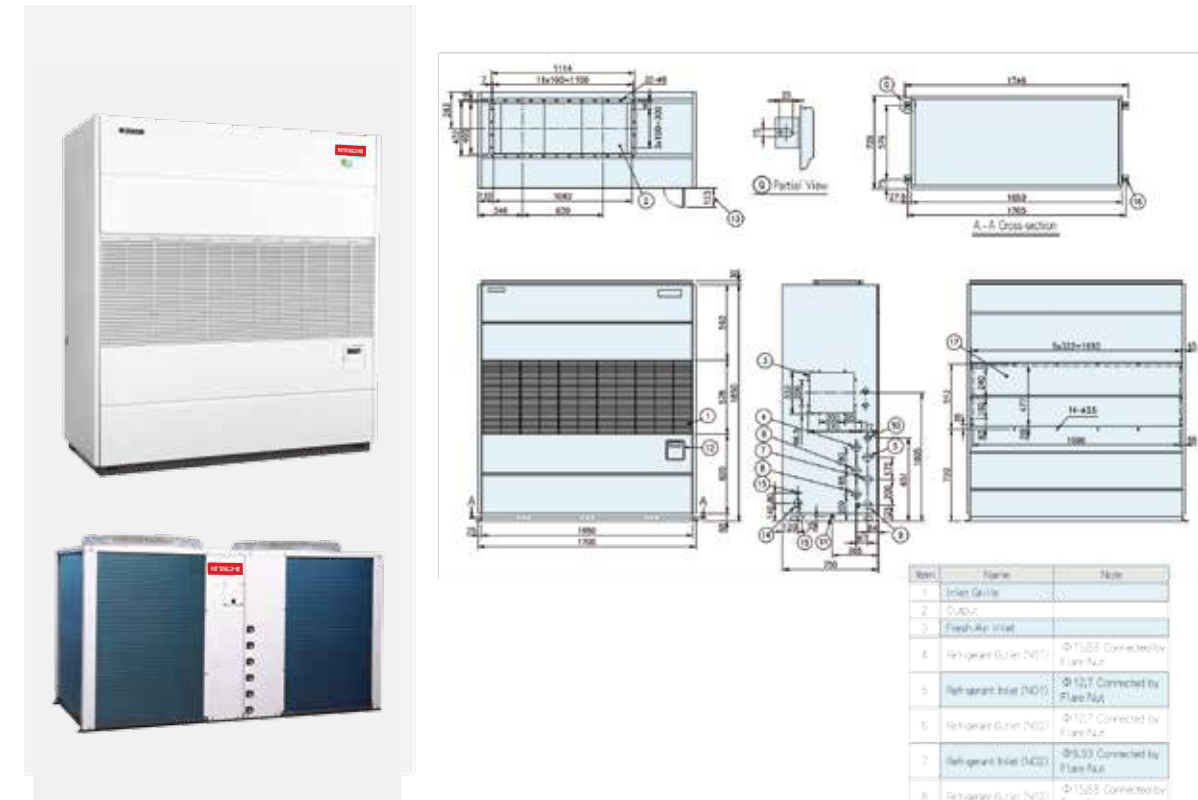
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (N01)	Φ12.7 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet (N01)	Φ15.88 Connected by Phosphorus Copper Welding
5	Refrigerant Inlet (N02)	Φ12.7 Connected by Phosphorus Copper Welding
6	Refrigerant Outlet (N02)	Φ15.88 Connected by Phosphorus Copper Welding
7	Wiring Hole for Fan	Φ12
8	Service Cover	
9	Installation Screw Hole	6-Φ12.5
10	Mount Bolt	

AIR-COOLED

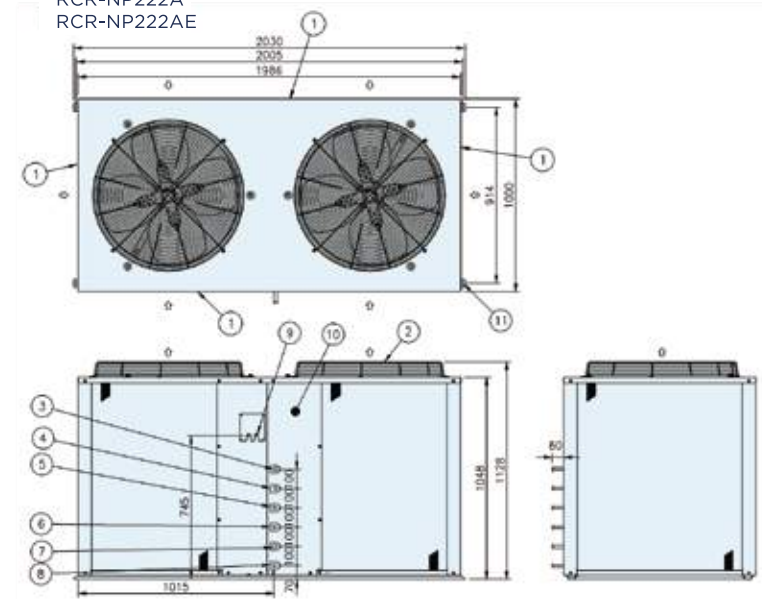
RP-NP222A+RCR-NP222A
RP-NP222AE+RCR-NP222AE

Cooling Capacity: 72.0kW
Compressor Motor Output 6.4kWx2+3.75kW

Indoor Unit
RP-NP222A
RP-NP222AE



Indoor Unit
RCR-NP222A
RCR-NP222AE



Item	Name	Note
1	Indoor Unit	
2	Output	
3	Fresh Air Inlet	
4	Refrigerant Inlet (NO1)	Φ15.88 Connected by Flare Nut
5	Refrigerant Inlet (NO2)	Φ12.7 Connected by Flare Nut
6	Refrigerant Inlet (NO3)	Φ12.7 Connected by Flare Nut
7	Refrigerant Inlet (NO4)	Φ15.88 Connected by Flare Nut
8	Refrigerant Inlet (NO5)	Φ15.88 Connected by Flare Nut
9	Refrigerant Inlet (NO6)	Φ12.7 Connected by Flare Nut
10	Condensate Drain	RPT 1/2"
11	Emergency Drain	RPT 1/2"
12	Operation Cover	
13	Opening Width of Operation Cover	
14	Wiring Hole for Power Line	Φ52 Knock out hole
15	Wiring Hole for Outdoor Unit	Φ32.5 Knock out hole
16	Installation Screw Hole	4-Φ13x25
17	Backside Inlet	

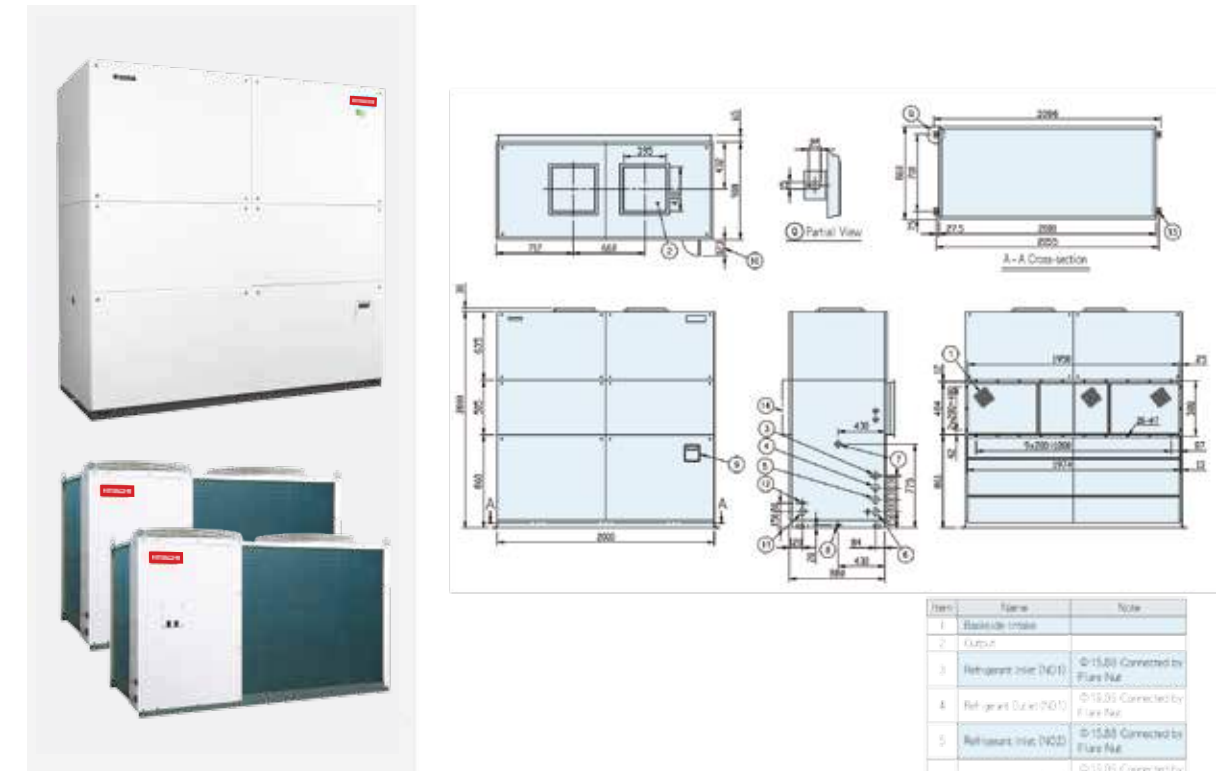
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (NO1)	Φ15.88 Connected by Phosphor Copper Welding
4	Refrigerant Inlet (NO2)	Φ12.7 Connected by Phosphor Copper Welding
5	Refrigerant Inlet (NO3)	Φ12.7 Connected by Phosphor Copper Welding
6	Refrigerant Inlet (NO4)	Φ15.88 Connected by Phosphor Copper Welding
7	Refrigerant Inlet (NO5)	Φ15.88 Connected by Phosphor Copper Welding
8	Refrigerant Inlet (NO6)	Φ12.7 Connected by Phosphor Copper Welding
9	Wiring Hole for Fan	Φ2-Φ12
10	Service Cover	
11	Installation Screw Hole	6-Φ12.5

AIR-COOLED

RPS-NP302A+RCR-NP162AX2
RPS-NP302AE+RCR-NP162AEX2

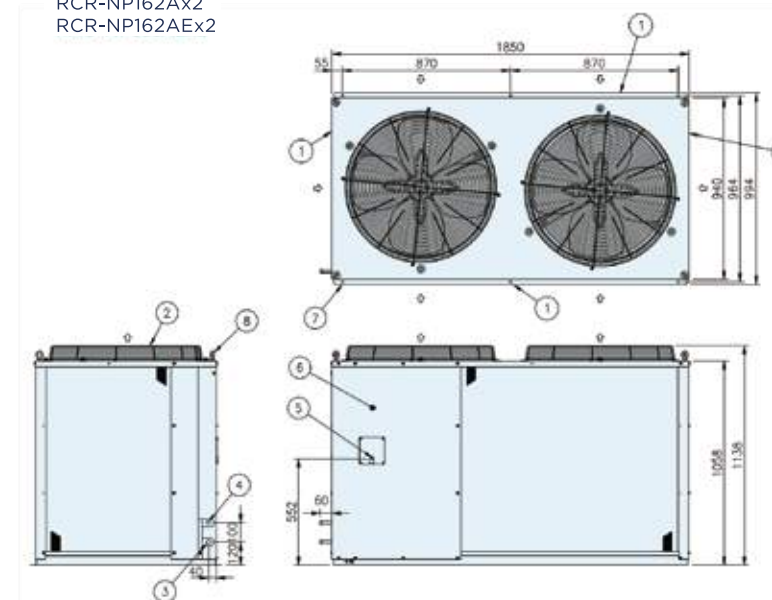
Cooling Capacity: 98kW
Compressor Motor Output 11.2kWx2

Indoor Unit
RP-NP302A
RP-NP302AE



Item	Name	Note
1	Backside Inlet	
2	Output	
3	Refrigerant Inlet (NO1)	Φ15.88 Connected by Flare Nut
4	Refrigerant Inlet (NO2)	Φ12.7 Connected by Flare Nut
5	Refrigerant Inlet (NO3)	Φ15.88 Connected by Flare Nut
6	Refrigerant Inlet (NO4)	Φ12.7 Connected by Flare Nut
7	Condensate Drain	RPT 1/2"
8	Emergency Drain	RPT 1/2"
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Wiring Hole for Power Line	Φ42 Knock out hole
12	Wiring Hole for Outdoor Unit	Φ32.5 Knock out hole
13	Installation Screw Hole	4-Φ13x25
14	Front Inlet	

Outdoor Unit
RCR-NP162Ax2
RCR-NP162AEx2



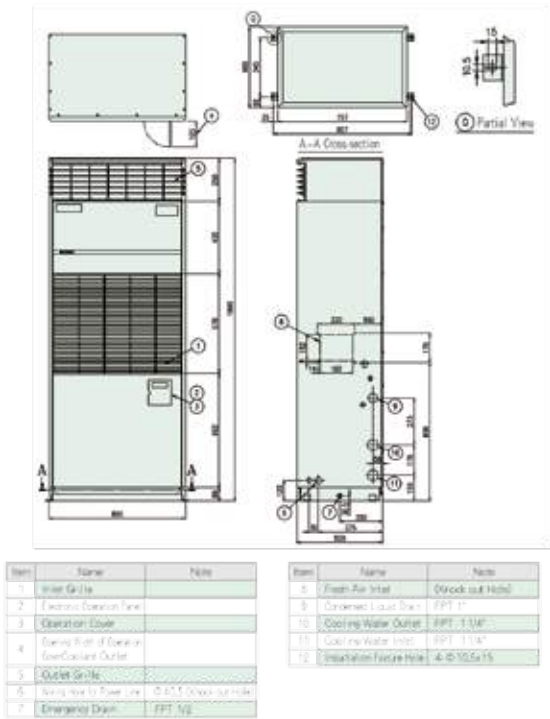
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ15.88 Connected by Phosphor Copper Welding
4	Refrigerant Outlet	Φ15.88 Connected by Phosphor Copper Welding
5	Wiring Hole for Fan	Φ12
6	Service Cover	
7	Installation Screw Hole	6-Φ12.5
8	Front Inlet	

WATER-COOLED

RP-NP52WB

Cooling Capacity: 16.0kW
Compressor Motor Output 3.75kW

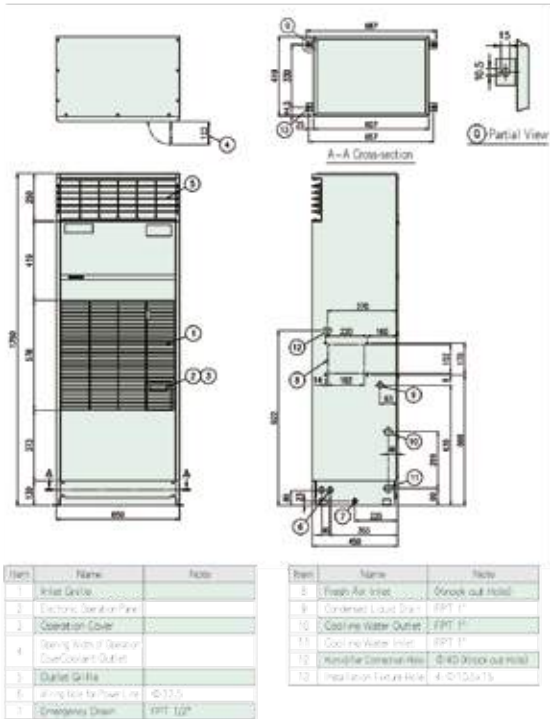




RP-NP32W

Cooling Capacity: 10.0kW
Compressor Motor Output 2.2kW



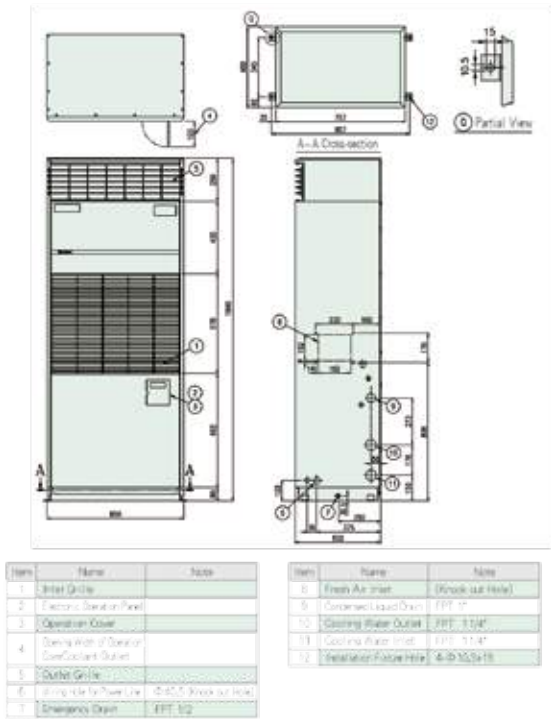


WATER-COOLED

RP-NP42W

Cooling Capacity: 14.0kW
Compressor Motor Output 3.0kW

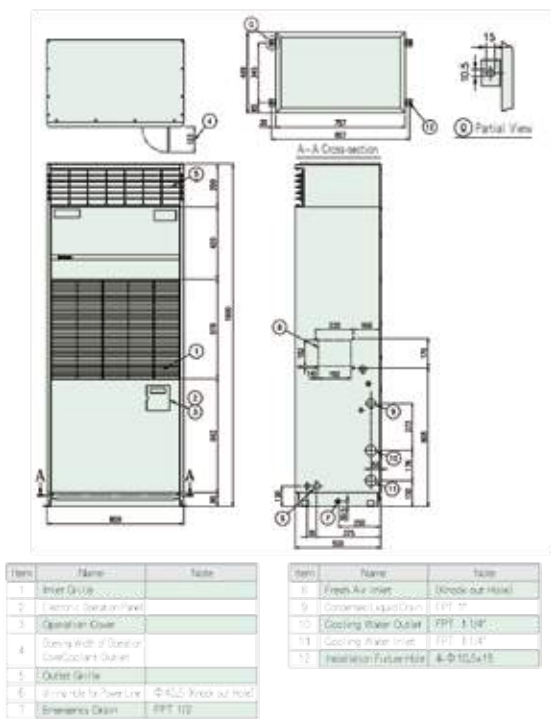




RP-NP52W
RP-NP52WE

Cooling Capacity: 16.0kW
Compressor Motor Output 3.75kW



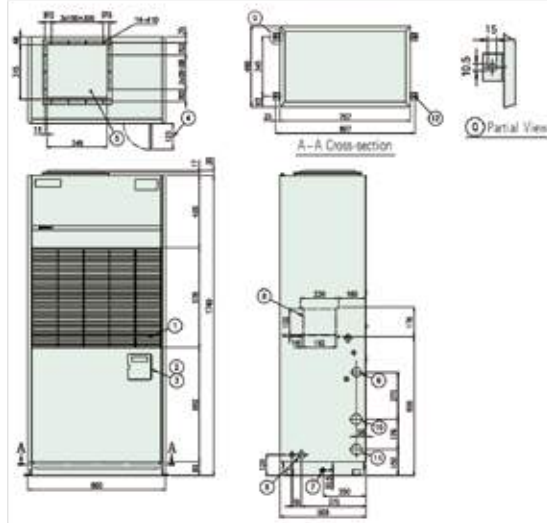


WATER-COOLED

RP-NP52WL
RP-NP52WEL

Cooling Capacity: 16.0kW
Compressor Motor Output 3.75kW





Item	Name	Note
1	Intake Grille	
2	Electronic Expansion Valve	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line (Ø 6.3, Knock out Hole)	
7	Emergency Drain	RPT 1/2"

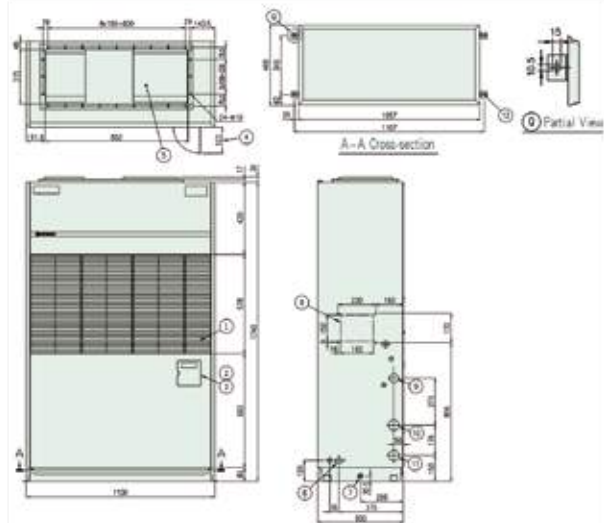
Item	Name	Note
8	Fresh Air Inlet (Knock out Hole)	
9	Condensate Liquid Drain	RPT 1"
10	Cooling Water Outlet	RPT 1 1/2"
11	Cooling Water Inlet	RPT 1 1/2"
12	Insulation Future Hole	4-Ø 10.5x15

WATER-COOLED

RP-NP82WL
RP-NP82WEL

Cooling Capacity: 25.0kW
Compressor Motor Output 6.4kW



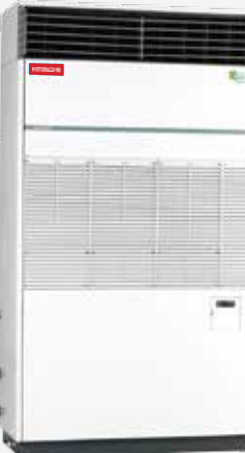


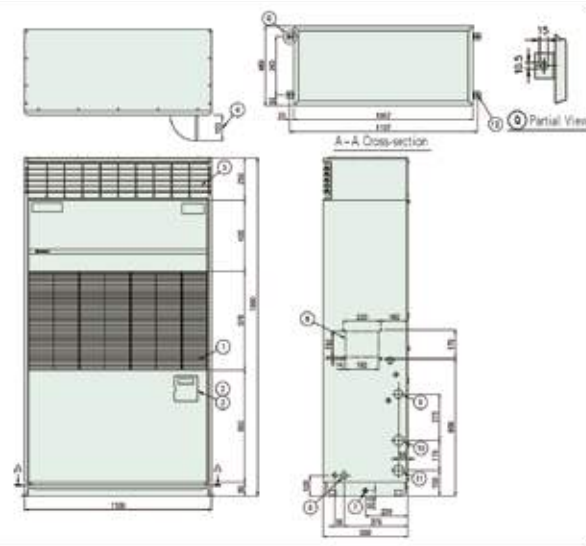
Item	Name	Note
1	Intake Grille	
2	Electronic Expansion Valve	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line (Ø 6.3, Knock out Hole)	
7	Emergency Drain	RPT 1/2"

Item	Name	Note
8	Fresh Air Inlet (Knock out Hole)	
9	Condensate Liquid Drain	RPT 1"
10	Cooling Water Outlet	RPT 1 1/2"
11	Cooling Water Inlet	RPT 1 1/2"
12	Insulation Future Hole	4-Ø 10.5x15

RP-NP82W
RP-NP82WE

Cooling Capacity: 25.0kW
Compressor Motor Output 6.4kW





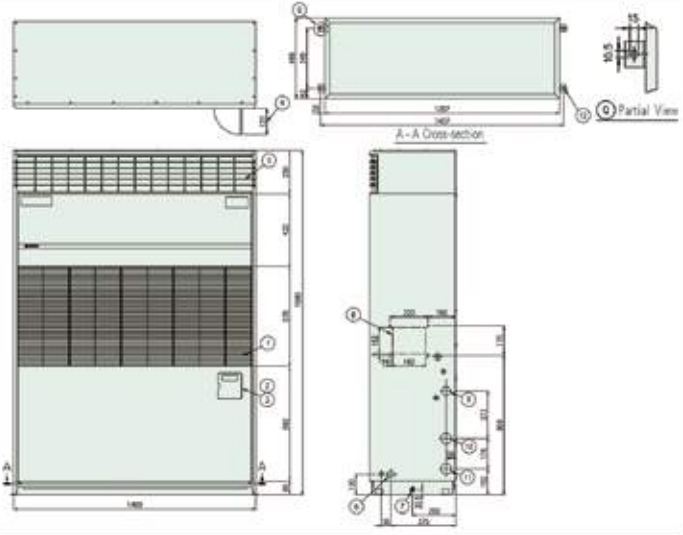
Item	Name	Note
1	Intake Grille	
2	Electronic Expansion Valve	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line (Ø 6.3, Knock out Hole)	
7	Emergency Drain	RPT 1/2"

Item	Name	Note
8	Fresh Air Inlet (Knock out Hole)	
9	Condensate Liquid Drain	RPT 1"
10	Cooling Water Outlet	RPT 1 1/2"
11	Cooling Water Inlet	RPT 1 1/2"
12	Insulation Future Hole	4-Ø 10.5x15

RP-NP102W
RP-NP102WE

Cooling Capacity: 32.0kW
Compressor Motor Output 3.75kWx2





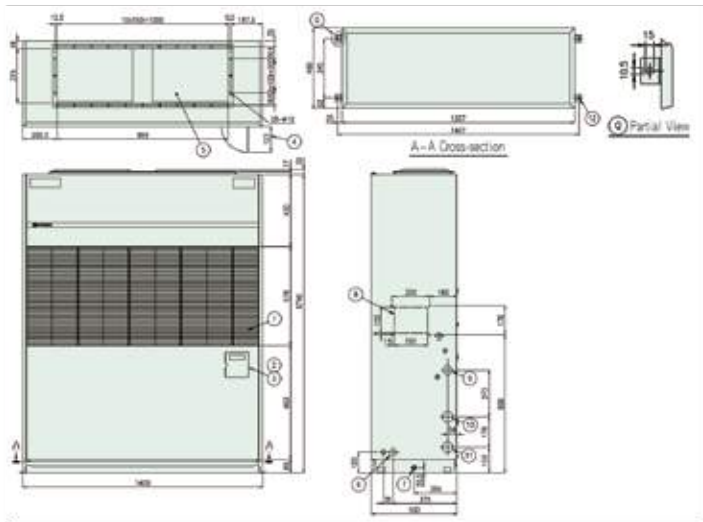
Item	Name	Note
1	Intake Grille	
2	Electronic Expansion Valve	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line (Ø 6.3, Knock out Hole)	
7	Emergency Drain	RPT 1/2"

Item	Name	Note
8	Fresh Air Inlet (Knock out Hole)	
9	Condensate Liquid Drain	RPT 1"
10	Cooling Water Outlet	RPT 1 1/2"
11	Cooling Water Inlet	RPT 1 1/2"
12	Insulation Future Hole	4-Ø 10.5x15

WATER-COOLED

RP-NP102WL
RP-NP102WEL

Cooling Capacity: 32.0kW
Compressor Motor Output 3.75kWx2

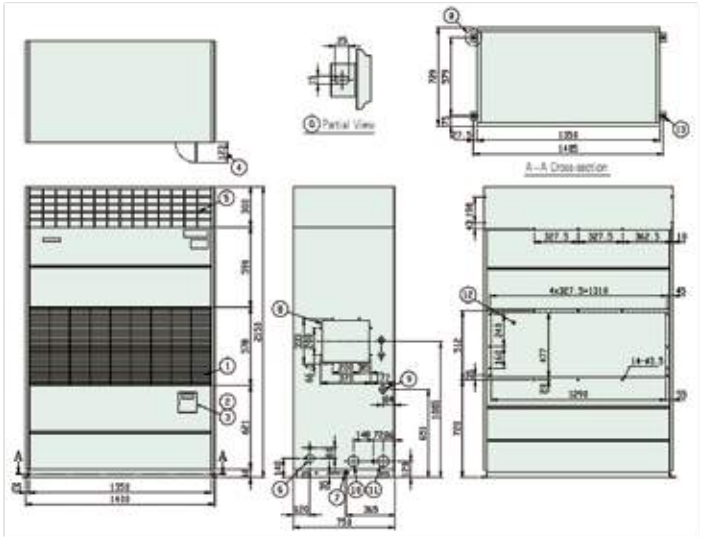


Item	Name	Note
1	Filter Grille	
2	Electronic Control Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condenser Outlet	
5	Outlet Grille	
6	Working Hole for Power Line	Ø 1/2" Knock out Hole
7	Emergency Drain	RPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	Shocks out Holes
9	Condenser Liquid Drain	RPT 1"
10	Cooling Water Outlet	RPT 1 1/2"
11	Cooling Water Inlet	RPT 1 1/2"
12	Installation Fixing Hole	4-Ø 1/8x15

RP-NP152W
RP-NP152WE

Cooling Capacity: 52.5kW
Compressor Motor Output 6.4kWx2



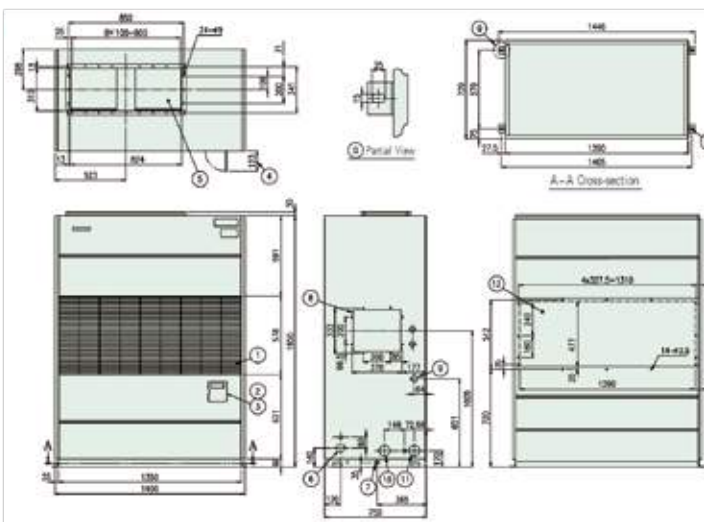
Item	Name	Note
1	Filter Grille	
2	Electronic Control Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condenser Outlet	
5	Outlet Grille	
6	Working Hole for Power Line	Ø 1/2" Knock out Hole
7	Emergency Drain	RPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	Shocks out Holes
9	Condenser Liquid Drain	RPT 1"
10	Cooling Water Outlet	RPT 2"
11	Cooling Water Inlet	RPT 2"
12	Backside Inlets	
13	Installation Fixing Hole	4-Ø 1/8x25

WATER-COOLED

RP-NP152WL
RP-NP152WEL

Cooling Capacity: 52.5kW
Compressor Motor Output 6.4kWx2

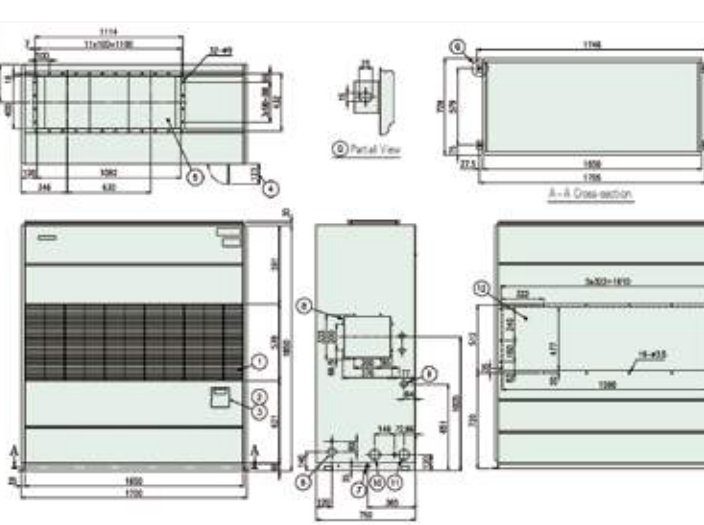


Item	Name	Note
1	Filter Grille	
2	Electronic Control Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condenser Outlet	
5	Outlet Grille	
6	Working Hole for Power Line	Ø 1/2" Knock out Hole
7	Emergency Drain	RPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	Shocks out Holes
9	Condenser Liquid Drain	RPT 1"
10	Cooling Water Outlet	RPT 2"
11	Cooling Water Inlet	RPT 2"
12	Backside Inlets	
13	Installation Fixing Hole	4-Ø 1/8x25

RP-NP222W
RP-NP222WE

Cooling Capacity: 72.0kW
Compressor Motor Output 3.75kWx1+6.4kWx2



Item	Name	Note
1	Filter Grille	
2	Electronic Control Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condenser Outlet	
5	Outlet Grille	
6	Working Hole for Power Line	Ø 1/2" Knock out Hole
7	Emergency Drain	RPT 1/2"

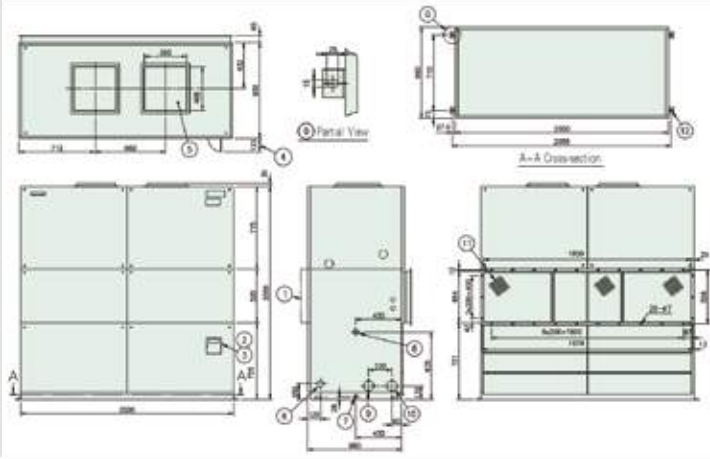
Item	Name	Note
8	Fresh Air Inlet	Shocks out Holes
9	Condenser Liquid Drain	RPT 1"
10	Cooling Water Outlet	RPT 2"
11	Cooling Water Inlet	RPT 2"
12	Backside Inlets	
13	Installation Fixing Hole	4-Ø 1/8x25

WATER-COOLED

RP-NP302W
RP-NP302WE

Cooling Capacity: 110kW
Compressor Motor Output 11.9kWx2





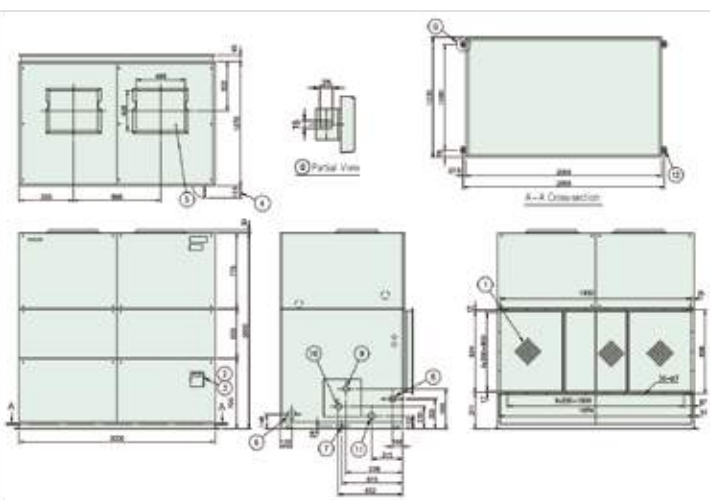
Item	Name	Note
1	Front/Back Intake	
2	Electrical Control Panel	
3	Operation Cover	
4	Starting/Stop of Operation Cover/Coolant Outlet	
5	Outlet Gasket	
6	Wiring Hole for Power Line	Φ46.2 (break out hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Condensate Liquid Drain	FPT 1"
9	Cooling Water Outlet	FPT 2 1/2"
10	Cooling Water Inlet	FPT 2 1/2"
11	Refrigerant Inlet	
12	Refrigerant Future Hole	Φ11.4x25

RP-NP402W
RP-NP402WE

Cooling Capacity: 140kW
Compressor Motor Output 7.5kWx1+11.9kWx2





Item	Name	Note
1	Intake	
2	Electrical Control Panel	
3	Operation Cover	
4	Starting/Stop of Operation Cover/Coolant Outlet	
5	Outlet Gasket	
6	Wiring Hole for Power Line	Φ46.2 (break out hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Condensate Liquid Drain	FPT 1"
9	Cooling Water Outlet	FPT 2 1/2"
10	Cooling Water Inlet	FPT 2 1/2"
11	Coolant Outlet	Φ42 (break out hole)
12	Refrigerant Future Hole	Φ11.4x25

AIR-COOLED SPECIFICATION TABLE (220V)

Item / Model			RPS- NP52AB	RAC- NP52AB	RPS- NP52A	RAC- NP52A	RPS- NP82A	RAC- NP82A	RPS- NP102A	RAC- NP102A	RP- NP152A	RCR- NP152A	RP- NP152AL	RCR- NP152A	RP- NP222A	RCR- NP222A	RP- NP302A	RCR- NP162Ax2		
※Cooling Capacity			kW	16.0		16.0		25.0		32.0		48.9		48.9		72.0		98.0		
Power Source			—	AC 1Φ 220V 60Hz		AC 3Φ 220V 60Hz														
Dimensions	Width	mm	950	1060	950	1060	1250	1240	1400	1240	1400	1850	1400	1850	1700	1980	2000	1850		
	Depth	mm	500	345	500	345	500	500	500	500	750	940	750	940	750	1000	900+65	940		
	Height	mm	1950	1325	1950	1325	1950	1425	1950	1625	2150	1138	1880	1138	1880	1128	2000+30	1138		
	Separable Height	mm	1730+250	—	1730+250	—	1730+250	—	1730+250	—	1880+300	—	—	—	—	—	1365+665	—		
※Electrical Characteristics	Power Consumption	kW	4.85		4.74		7.32		9.7		15.3		15.6		22.86		32.67			
	Operation Current	A	22.5		14.4		23.4		30.8		48.0		48.4		70.5		100			
	Starting Current	A	126		129		188		129		188		188		188		305			
Energy Efficiency Ratio (EER)			W/W	3.30		3.38		3.42		3.30		3.20		3.15		3.15		3.00		
Cooling Device	Compressor	Model	High Efficiency Fully Enclosed Scroll Compressor																	
		Power (Pole)	kW	—	3.75(2)	—	3.75(2)	—	6.4(2)	—	3.75(2)	6.4(2)+4.9(2)	—	6.4(2)+4.9(2)	—	6.4(2)+3.75(2)	—	11.2(2)	—	
		Quantity	—	—	1	—	1	—	1	—	2	2	—	2	—	2+1	—	2	—	
	Condenser	—	Multi-path Vortex Fin Tubing																	
	Evaporator	—	Multi-path Vortex Fin Tubing																	
Coolant Control Device			—	Multi-path Capillary Tubing																
Fan Device	Model	—	Multi-blade Fanx1	Propeller Fanx2	Multi-blade Fanx1	Propeller Fanx2	Multi-blade Fanx2	Propeller Fanx1	Multi-blade Fanx2	Propeller Fanx1	Multi-blade Fanx1	Propeller Fanx2	Multi-blade Fanx1	Propeller Fanx2	Multi-blade Fanx2	Propeller Fanx2	Multi-blade Fanx2	Propeller Fanx2		
	Motor Power (Pole)	kW	0.25(6)	0.105(6)x2	0.25(6)	0.125(6)x2	0.37(4)	0.49(8)	0.75(4)	0.45(8)	2.2(4)	0.49(8)x2	2.2(4)	0.49(8)x2	3.7(4)	0.4(6)x2	5.5(4)	0.3(8)x2		
	Motor Power Source	—	AC 1Φ 220V 60Hz					AC 3Φ 220V 60Hz												
	Air Volume (High/Low)	m ³ /min	44/38	50x2	44/38	50x2	66	160	88	160	130	420	130	420	180	410	260	420		
	External Static Pressure	pa (mmAg)	0	—	0	—	0	—	0	—	0	—	50(5)	—	50(5)	—	80(8)	—		
	Automatic Direction of Rotation	Direction of Rotation Motor Power	— W	Left-Right Wind Direction Auto Swap				—												
Protective Devices			—	Over Current Relay(Fan Motor, except for RPS-NP52A, RPS-NP52AB). Internal Thermostat(Fan Motor, except for RPS-NP52A, RPS-NP52AB), Pressure Switch, Anti-freeze switch, outlet temperature switch (compressor), Over Current Relay (Compressor)																
Dimensions of Tubings	Refrigerant	Gas Line	Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ19.05				Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ22.2		Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ19.05 +Φ19.05		Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ15.88 +Φ15.88				Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ15.88 +Φ12.7 +Φ15.88		Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ19.05 +Φ19.05			
		Liquid Line	Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ9.53				Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ12.7		Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ9.53 +Φ9.53		Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ12.7 +Φ12.7				Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ12.7 +Φ9.53 +Φ12.7		Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ15.88 +Φ15.88			
	Condensed Liquid Drain	—	FPT 1																	
	Emergency Drain	—	FPT 1/2																	
Wiring	Power Source Connection	—	Outdoor unit									Indoor unit								
	Indoor and Outdoor Power Source Line	mm ²	2 Cores (1.25)					3 Cores (1.25)				6 Cores (1.25)							3 Coresx2 (1.25)	
	Indoor and Outdoor Control Line	mm ²	6 Cores (0.75)							10 Cores (0.75)		—								
Product Weight			kg	115	130	115	130	155	175	155	195	420	190	390	190	530	270	665	185	

Note: 1. The nominal cooling capacity is based on the standard of CNS. Evaporate Air Inlet Temperature is 27℃ DB and 19℃ WB. Condenser Air Inlet is 35℃ DB. One-way coolant tubing between indoor and outdoor units is 7.5m).
2. Electrical Characteristics are values obtained by testing at CNS conditions (specified above). For actual electrical properties, please apply a 1.2 multiplier.
3. Changes made to specification in the table may be made without prior notice.
4. Operation Range:Evaporator Intake Air Temperature (standard air volume):
Maximum: 32℃ DB/23℃ WB
Minimum: 21℃ DB/15℃ WB
Condenser Intake Air Temperature: Maximum 43℃ DB/Minimum 21℃ DB

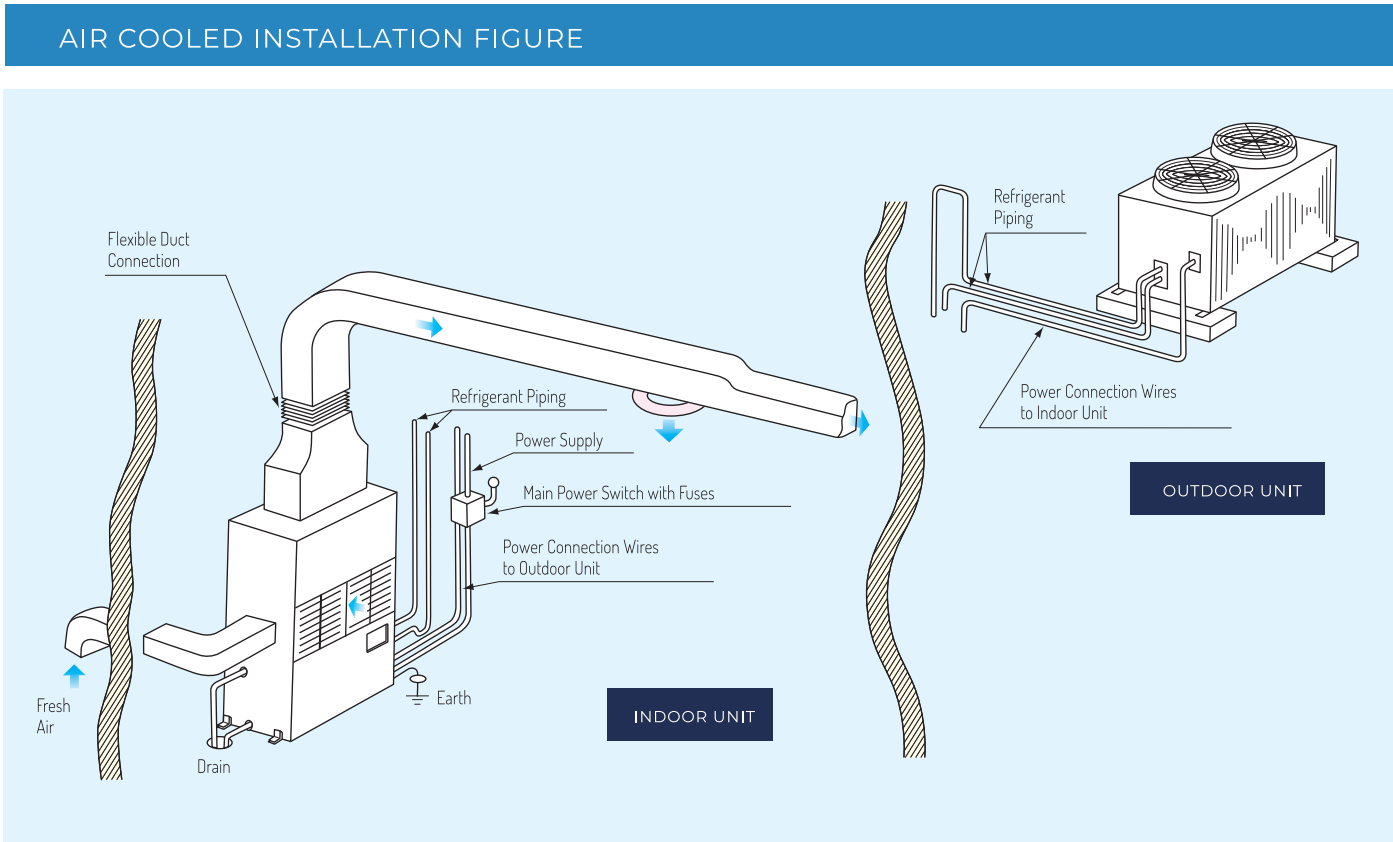
WATER-COOLED SPECIFICATION TABLE (380V)

Item \ Model			RP- NP52WE	RP- NP52WEL	RP- NP82WE	RP- NP82WEL	RP- NP102WE	RP- NP102WEL	RP- NP152WE	RP- NP152WEL	RP- NP222WE	RP- NP302WE	RP- NP402WE		
※Cooling Capacity			kW	16.0	16.0	25.0	25.0	32.0	32.0	52.5	52.5	72.0	110.0	140.0	
Power Source			—	AC 3Φ 380V 60Hz											
Dimensions	Width	mm	800	800	1100	1100	1400	1400	1400	1400	1700	2000	2000		
	Depth	mm	500	500	500	500	500	500	750	750	750	900+65	1270+65		
	Height	mm	1990	1770	1990	1770	1990	1770	2150	1850+30	1850+30	2000+30	2000+30		
	Separable Height	mm	1770+250	—	1770+250	—	1770+250	—	1880+300	—	—	1225+805	1225+805		
※※Electrical Characteristics	Power Consumption	kW	3.65	3.81	5.71	6.10	7.37	7.90	12.1	13.0	17.8	27.8	36.6		
	Operation Current	A	6.51	6.81	10.09	10.78	13.2	14.12	21.4	22.9	31.4	50.9	68.8		
	Starting Current	A	63	63	89	89	68	68	105	105	110	148	163		
Energy Efficiency Ratio (EER)			W/W	4.38	4.20	4.38	4.10	4.34	4.05	4.43	4.05	4.05	3.96	3.83	
Cooling Device	Compressor	Model	High Efficiency Fully Enclosed Scroll Compressor												
		Power (Pole)	kW	3.75(2)		6.4(2)		3.75(2)		6.4(2)		6.4(2)+3.75(2)	11.9(2)	11.9(2)+7.5(2)	
		Quantity	—	1	1	1	1	2	2	2	2	2+1	2	2+1	
	Condenser		—	Coiled DOUBLE Tube										Shell and Tube	
	Evaporator		—	Multi-path Vortex Fin Tubing											
Coolant Control Device			—	Multi-path Capillary Tubing											
Fan Device	Model	—	Bilateral Intake Multi-blade Fan x1		Bilateral Intake Multi-blade Fan and One-side Intake Multi-blade Fan, One Each		Bilateral Intake Multi-blade Fan x2								
		Motor Power (Pole)	kW	0.265(6)	0.265(6)	0.21(6)	0.37(6)	0.36(6)	0.57(6)	2.2(4)	2.2(4)	3.7(4)	5.5(4)	7.5(4)	
	Motor Power Source		—	AC 1Φ 220V 60Hz		AC 3Φ 380V 60Hz									
	Air Volume (High/Low)		³ m ³ /min	44/38	44	66		88		130		180	260	360	
	External Static Pressure		pa (mmHg)	0	30(3)	0	30(3)	0	30(3)	0	50(5)	80(8)	80(8)	200(20)	
	Automatic Direction of Rotation	Direction of Rotation	—	Left-Right Wind Direction Auto Sweep		—									
Motor Power		W	3	—											
Protective Devices			—	Over Current Relay (Compressor), Anti-freeze Switch, Outlet Temperature Switch (Compressor), Pressure Switch, Over Current Relay (Fan Motor, limited to RP-NP82WE-RP-NP402WE), Internal Thermostat (Fan Motor, limited to RP-NP52WE-RP-NP102WEL)											
Cooling Water	Water Volume (at temperature of 30℃)		³ m ³ /h	3.5		5.5		7.0		11.4		15.6	22.8	30.5	
	Head Loss		kPa (mHg)	48(4.8)		45(4.5)		67(6.7)		32(3.2)		56(5.6)	80(8.0)	45(4.5)	
Dimensions of Tubings	Condensed water		—	FPT1											
	Emergency Drain		—	FPT1/2											
	Cooling Water	Inlet	—	FPT1 1/4		FPT1 1/2				FPT2				FPT2 1/2	
		Outlet	—	FPT1 1/4		FPT1 1/2				FPT2				FPT2 1/2	
Product Weight			kg	190	185	260	250	340	325	470	450	630	810	1200	

Note: 1. Capability of air conditioners are values when operating at CNS conditions(indoor intake air of dry bulb temperature at 27℃,indoor intake air of dry bulb temperature at 19℃, one-way coolant tubing between indoor and outdoor units being 7.5m).
2. Electrical Characteristics are values obtained by testing at CNS conditions (specified above). For actual electrical properties, please apply a 1.2 multiplier.
3. Changes made to specification in the table may be made without notice.
4. Operation Range:Evaporator Intake Air Temperature (standard air volume):
Maximum: 32℃ DB/23℃ WB
Minimum: 21℃ DB/15℃ WB
Condenser Intake Air Temperature: Maximum 38℃ DB/ Minimum 21℃ DB

AIR-COOLED

HITACHI PACKAGE AIR CONDITIONER



WATER-COOLED

HITACHI PACKAGE AIR CONDITIONER

