

Your World  
In Better Comfort



**HITACHI**  
Air conditioning solutions

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Specifications in this catalog are subject to change without any notice in order that HITACHI may bring the latest innovations to our customers.

RPT-1701

**HITACHI**

**PACKAGED AIR CONDITIONER**



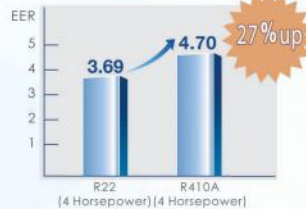
**HITACHI**  
Air conditioning solutions

# USES ENVIRONMENTAL-FRIENDLY REFRIGERANT INCREASED ENERGY EFFICIENCY



Hitachi continues to innovate and revolutionize its packaged air conditioners with an environment friendly goal in mind. New environmentally friendly refrigerant R410A having an ozone-depleting coefficient of zero is used for its new Hitachi packaged air conditioners, reducing the load on the environment.

Power Savings  
Environment Friendly  
High EER



## HIGH EFFICIENCY 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 at the inlet or the outlet. The flow of refrigerant is smooth. Unlike a traditional compressor, the scroll compressor does not suffer failure due to damaged valve plates.

### High Efficiency, Energy Saving

During operation of a scroll compressor, the amount of air leaked between high-pressure regions and low-pressure regions is very small. Additionally, since the inlet and the outlet are not proximal to each other, almost no refrigerant is leaked. As a result, the scroll compressor can be used to its full effect, achieving an effect of intensive cooling and energy saving.

### High Quality, Few Failures

Since the inlet and the outlet of the scroll compressor are not proximal to each other, no valve plate is required at the inlet or the outlet. The flow of refrigerant is smooth. Unlike in a traditional compressor, the scroll compressor does not suffer failure due to damaged valve plates.

### 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.

## COMPRESSION PRINCIPLE OF SCROLL COMPRESSORS

### COMPREHENSIVE PROTECTIVE DEVICES

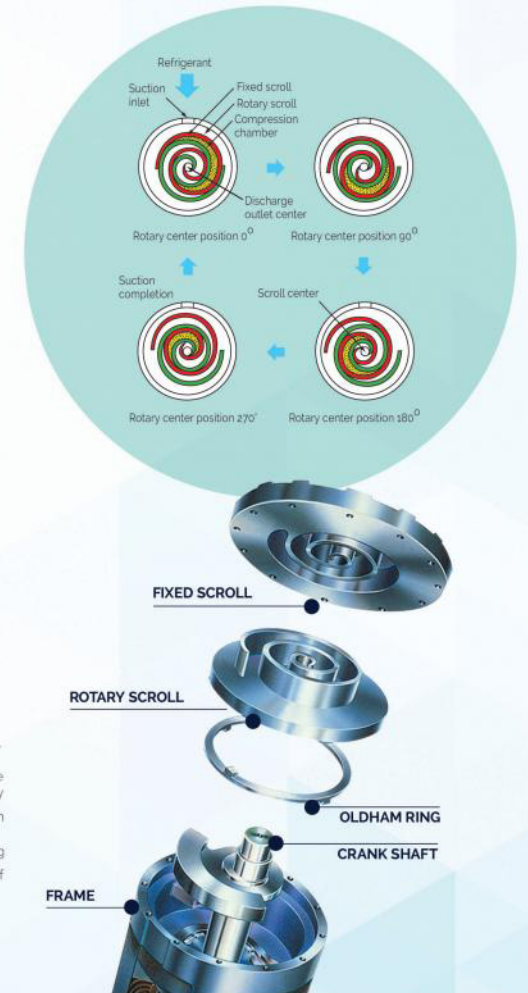
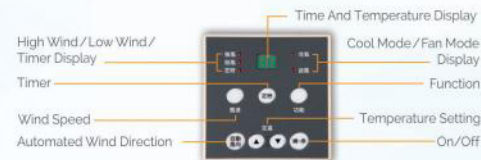
Protective Devices such as switches protecting against current overload, overheating, excess pressure and freezing are provided. In case of machine failure, a code for type of malfunction is displayed, facilitating repair so you can sit back and relax.

### SPECIFIC NEEDS AND SETTINGS

If there is a need for specific functions (e.g. remote control, auto-restart during power outages, etc.), settings can be adjusted during installation, avoiding waiting time for a custom model and providing a much more convenient and flexible solution.








### ELECTRONIC CONTROL AND DISPLAY FUNCTION

Functions such as "On/Off, Functions, Temperature Setting, Timer Setting" are selected through keys on an electronic thin film. Temperature Setting and Timer Setting can be completely displayed during operation, facilitating control of operation status in an ergonomic way.



















# HITACHI PACKAGED AIR CONDITIONER

## 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  RAC-NP52A  RPS-NP52AE  RAC-NP52AE 	5	6
		RPS-NP82A  RAC-NP82A  RPS-NP82AE  RAC-NP82AE 	8	7
		RPS-NP102A  RAC-NP102A  RPS-NP102AE  RAC-NP102AE 	10	8
		RP-NP152A  RCR-NP152A  RP-NP152AE  RCR-NP152AE 	15	9
	Duct Model	RP-NP152AL  RCR-NP152A  RP-NP152AEL  RCR-NP152AE 	15	10
		RP-NP222A  RCR-NP222A  RP-NP222AE  RCR-NP222AE 	22	11
		RP-NP302A  RCR-NP162Ax2  RP-NP302AE  RCR-NP162AEx2 	30	12

## Water Cooled



Product Type	Model	Horsepower (HP)	Page Number	
Water Cooled	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

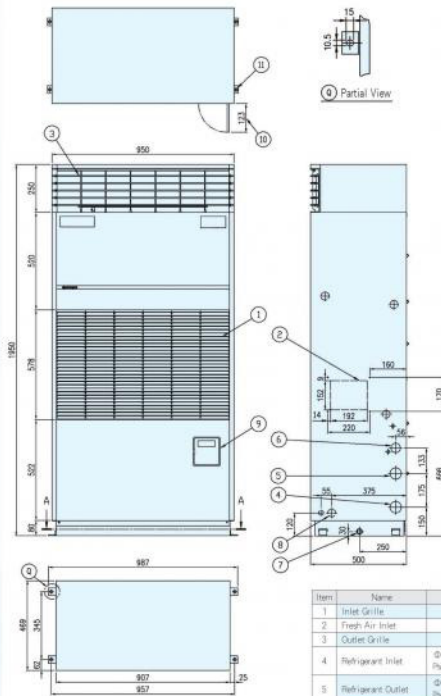
# AIR COOLED

## RPS-NP52AB+RAC-NP52AB

Cooling Capacity: 16.0kW  
Compressor Motor Output: 3.75kW



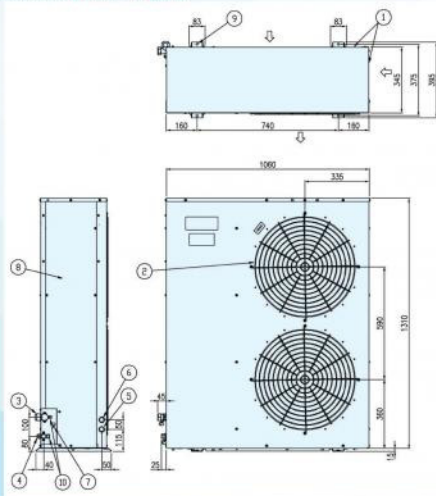
Indoor Unit RPS-NP52AB



A-A Cross-section

Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet	Φ9.53 Connected by Phosphorus Copper Welding
5	Refrigerant Outlet	Φ19.05 Connected by Phosphorus Copper Welding
6	Condensed Liquid Drain	FPT 1"
7	Emergency Drain	FPT 1/2"
8	Wiring Hole for Power Line	Φ40.5 (Break out Hole)
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Installation Fixture Hole	4-Φ10.5x15

Outdoor Unit RAC-NP52AB



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ19.05 Connected by Flare Nut
4	Refrigerant Outlet	Φ9.53 Connected by Flare Nut
5	Wiring Hole for Power Line	Φ30
6	Operation Circuit Wiring Hole	Φ30
7	Ground Wire Screw	M5
8	Service Cover	
9	Installation Screw Hole	4-Φ10
10	Connecting Joints	

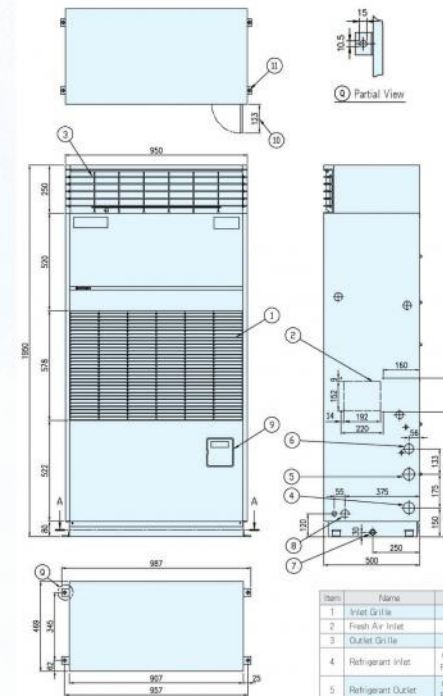
# AIR COOLED

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

Cooling Capacity: 16.0kW  
Compressor Motor Output: 3.75kW



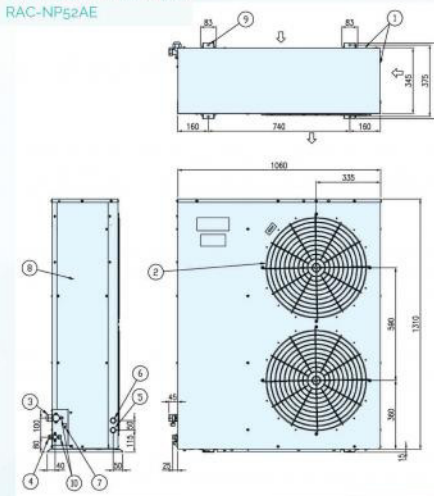
Indoor Unit RPS-NP52A  
RPS-NP52AE



A-A Cross-section

Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet	Φ9.53 Connected by Phosphorus Copper Welding
5	Refrigerant Outlet	Φ19.05 Connected by Phosphorus Copper Welding
6	Condensed Liquid Drain	FPT 1"
7	Emergency Drain	FPT 1/2"
8	Wiring Hole for Power Line	Φ40.5 (Break out Hole)
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Installation Fixture Hole	4-Φ10.5x15

Outdoor Unit RAC-NP52A  
RAC-NP52AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ19.05 Connected by Flare Nut
4	Refrigerant Outlet	Φ9.53 Connected by Flare Nut
5	Wiring Hole for Power Line	Φ30
6	Operation Circuit Wiring Hole	Φ30
7	Ground Wire Screw	M5
8	Service Cover	
9	Installation Screw Hole	4-Φ10
10	Connecting Joints	

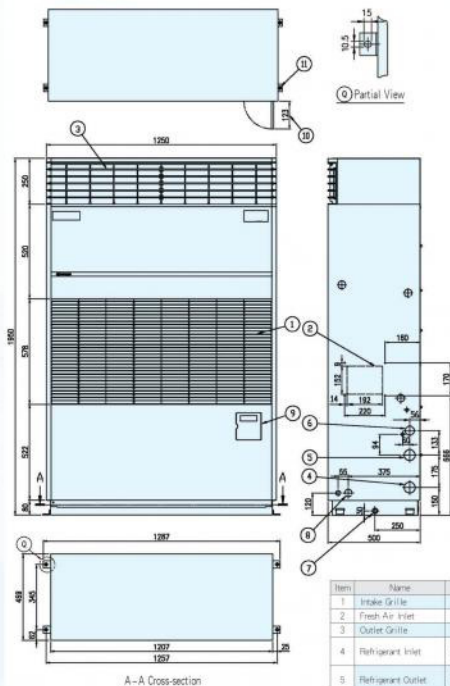
# AIR COOLED

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

Cooling Capacity:25.0kW  
Compressor Motor Output:6.4kW



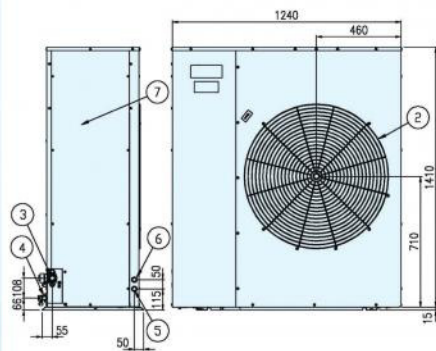
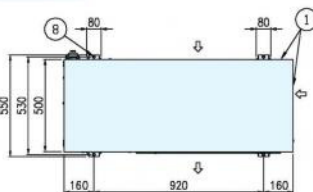
Indoor Unit RPS-NP82A  
RPS-NP82AE



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet	Φ12.7 Connected by Phosphorus Copper Welding
5	Refrigerant Outlet	Φ22.2 Connected by Phosphorus Copper Welding
6	Condensed Liquid Drain	FPT 1"
7	Emergency Drain	FPT 1/2"
8	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Installation Fixture Hole	4-Φ10.5x15

A-A Cross-section

Outdoor Unit RAC-NP82A  
RAC-NP82AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ20.2 Connected by Flange Nut
4	Refrigerant Outlet	Φ12.7 Connected by Flange Nut
5	Wiring Hole for Power Line	Φ52
6	Operation Circuit Wiring Hole	Φ20
7	Service Cover	
8	Installation Screw Hole	4-Φ10

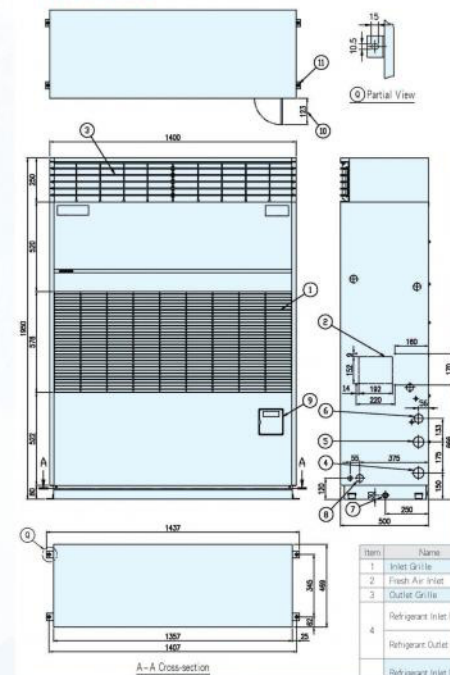
# AIR COOLED

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

Cooling Capacity:32.0kW  
Compressor Motor Output:3.75kWx2



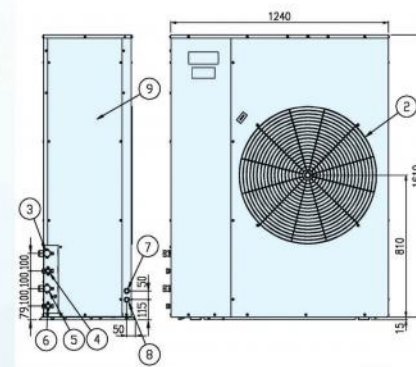
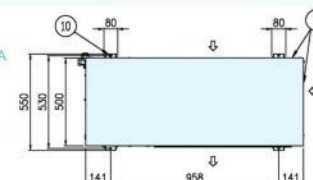
Indoor Unit RPS-NP102A  
RPS-NP102AE



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (IN01)	Φ9.53 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet (IN01)	Φ19.05 Connected by Phosphorus Copper Welding
5	Refrigerant Inlet (IN02)	Φ9.53 Connected by Phosphorus Copper Welding
5	Refrigerant Outlet (IN02)	Φ19.05 Connected by Phosphorus Copper Welding
6	Condensed Liquid Drain	FPT 1"
7	Emergency Drain	FPT 1/2"
8	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Installation Fixture Hole	4-Φ10.5x15

A-A Cross-section

Outdoor Unit RAC-NP102A  
RAC-NP102AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (IN01)	Φ19.05 Connected by Flange Nut
4	Refrigerant Outlet (IN01)	Φ9.53 Connected by Flange Nut
5	Refrigerant Inlet (IN02)	Φ19.05 Connected by Flange Nut
6	Refrigerant Outlet (IN02)	Φ9.53 Connected by Flange Nut
7	Wiring Hole for Power Line	Φ52
8	Operation Circuit Wiring Hole	Φ20
9	Service Cover	
10	Installation Screw Hole	4-Φ10

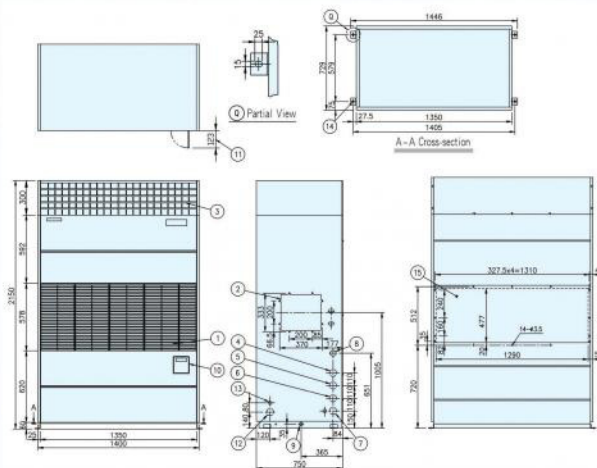
## AIR COOLED

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

Cooling Capacity:48 gkW  
Compressor Motor Output:6.4kW+4 gkW

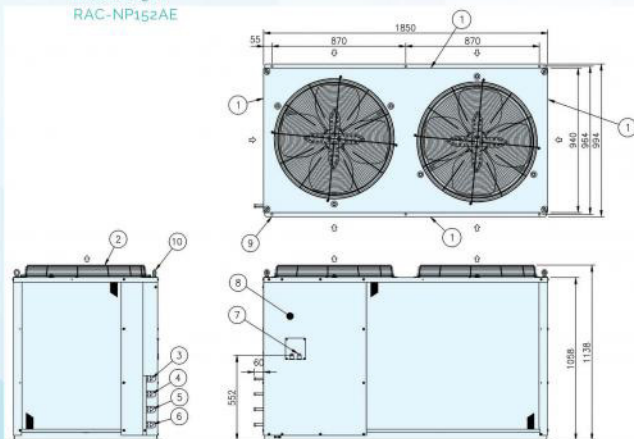


Indoor Unit  
RPS-NP152A  
RPS-NP152AE



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (NO1)	Φ 12.7 Connected by Flare Nut
5	Refrigerant Outlet (NO1)	Φ 15.88 Connected by Flare Nut
6	Refrigerant Inlet (NO2)	Φ 12.7 Connected by Flare Nut
7	Refrigerant Outlet (NO2)	Φ 15.88 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	Φ62 (Knock out Hole)
13	Wiring Hole for Outdoor Unit	Φ32.5 (Knock out Hole)
14	Installation Fixture Hole	4-Φ 15x25
15	Backside Intake	

Outdoor Unit  
RAC-NP152A  
RAC-NP152AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (NO1)	Φ 12.7 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet (NO1)	Φ 15.88 Connected by Phosphorus Copper Welding
5	Refrigerant Inlet (NO2)	Φ 12.7 Connected by Phosphorus Copper Welding
6	Refrigerant Outlet (NO2)	Φ 15.88 Connected by Phosphorus Copper Welding
7	Wiring Hole for Fan	Φ 12
8	Service Cover	
9	Installation Screw Hole	6-Φ 12.5
10	Hoist Bolt	

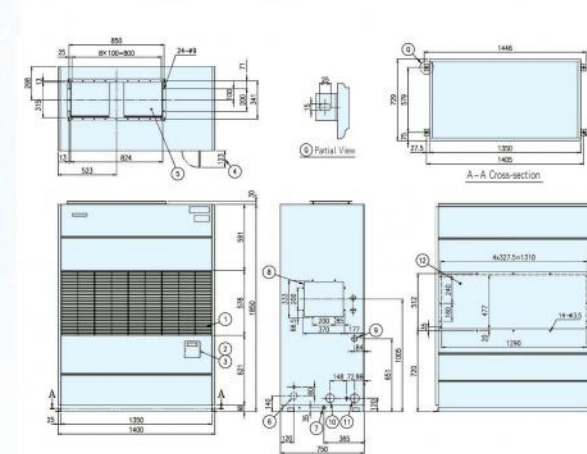
## AIR COOLED

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

Cooling Capacity:48 gkW  
Compressor Motor Output:6.4kW+4 gkW

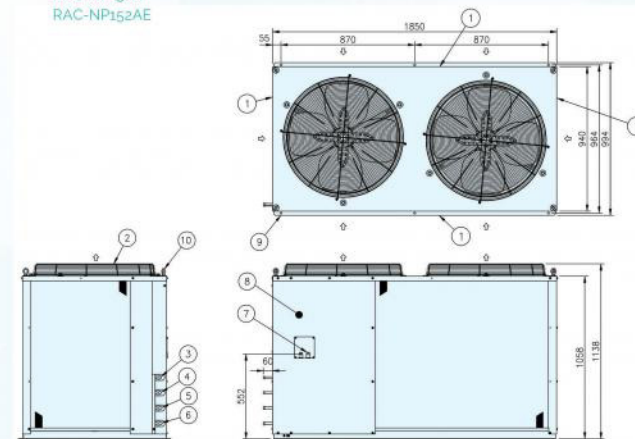


Indoor Unit  
RPS-NP152AL  
RPS-NP152AEL



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (NO1)	Φ 12.7 Connected by Flare Nut
5	Refrigerant Outlet (NO1)	Φ 15.88 Connected by Flare Nut
6	Refrigerant Inlet (NO2)	Φ 12.7 Connected by Flare Nut
7	Refrigerant Outlet (NO2)	Φ 15.88 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	Φ62 (Knock out Hole)
13	Wiring Hole for Outdoor Unit	Φ32.5 (Knock out Hole)
14	Installation Fixture Hole	4-Φ 15x25
15	Backside Intake	

Outdoor Unit  
RAC-NP152A  
RAC-NP152AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (NO1)	Φ 12.7 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet (NO1)	Φ 15.88 Connected by Phosphorus Copper Welding
5	Refrigerant Inlet (NO2)	Φ 12.7 Connected by Phosphorus Copper Welding
6	Refrigerant Outlet (NO2)	Φ 15.88 Connected by Phosphorus Copper Welding
7	Wiring Hole for Fan	Φ 12
8	Service Cover	
9	Installation Screw Hole	6-Φ 12.5
10	Hoist Bolt	

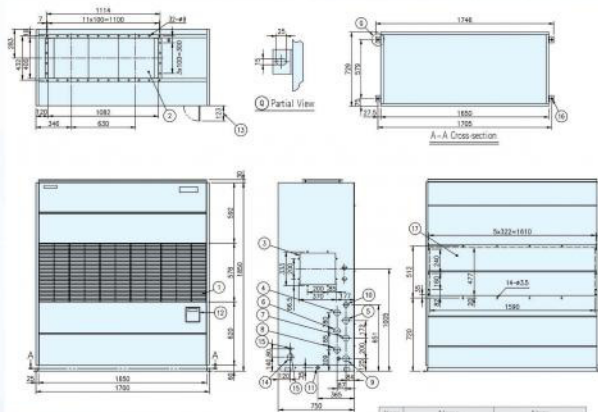
## AIR COOLED

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

Cooling Capacity:72kW  
Compressor Motor Output:6.4kWx2+3.75kW

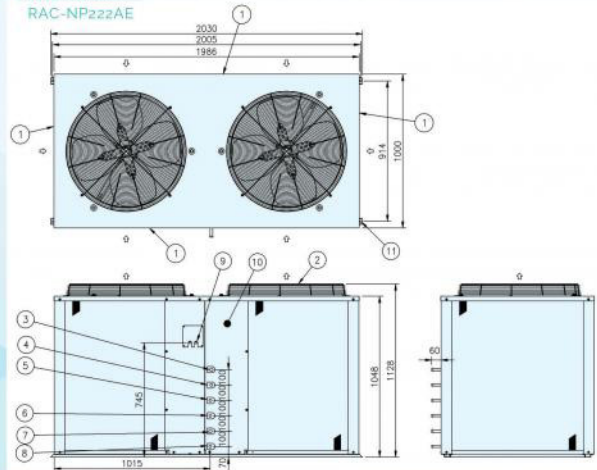


Indoor Unit  
RPS-NP222A  
RPS-NP222AE



Item	Name	Note
1	Inlet Grille	
2	Outlet	
3	Fresh Air Inlet	
4	Refrigerant Outlet (NO1)	Φ15.88 Connected by Flare Nut
5	Refrigerant Inlet (NO1)	Φ12.7 Connected by Flare Nut
6	Refrigerant Outlet (NO2)	Φ12.7 Connected by Flare Nut
7	Refrigerant Inlet (NO2)	Φ9.53 Connected by Flare Nut
8	Refrigerant Outlet (NO3)	Φ15.88 Connected by Flare Nut
9	Refrigerant Inlet (NO3)	Φ12.7 Connected by Flare Nut
10	Condensed Liquid Drain	FPT 1"
11	Emergency Drain	FPT 1/2"
12	Operation Cover	
13	Opening Width of Operation Cover	
14	Wiring Hole for Power Line	Φ62 (Break out Hole)
15	Wiring Hole for Outdoor Unit	Φ32.5 (Break out Hole)
16	Installation Fixture Hole	4-Φ15x25
17	Backside Intake	

Outdoor Unit  
RAC-NP222A  
RAC-NP222AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (NO1)	Φ15.88 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet (NO1)	Φ12.7 Connected by Phosphorus Copper Welding
5	Refrigerant Inlet (NO2)	Φ12.7 Connected by Phosphorus Copper Welding
6	Refrigerant Outlet (NO2)	Φ9.53 Connected by Phosphorus Copper Welding
7	Refrigerant Inlet (NO3)	Φ15.88 Connected by Phosphorus Copper Welding
8	Refrigerant Outlet (NO3)	Φ12.7 Connected by Phosphorus Copper Welding
9	Wiring Hole for Fan	Φ2-Φ12
10	Service Cover	
11	Installation Screw Hole	6-Φ12.5

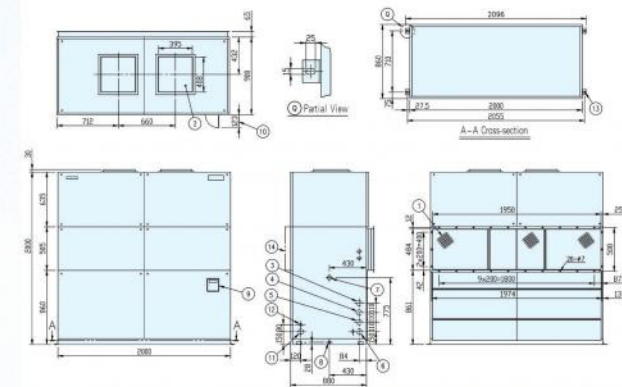
## AIR COOLED

RP-NP302A+RCR-NP162Ax2  
RP-NP302AE+RCR-NP162AEx2

Cooling Capacity:98kW  
Compressor Motor Output:11.2kWx2

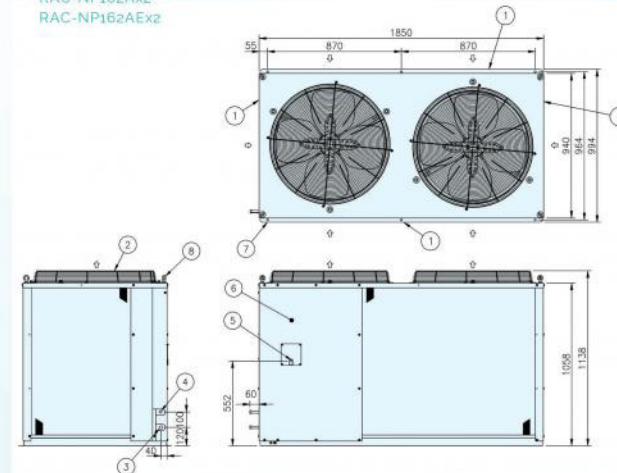


Indoor Unit  
RPS-NP302A  
RPS-NP302AE



Item	Name	Note
1	Backside Intake	
2	Outlet	
3	Refrigerant Inlet (NO1)	Φ15.88 Connected by Flare Nut
4	Refrigerant Outlet (NO1)	Φ18.05 Connected by Flare Nut
5	Refrigerant Inlet (NO2)	Φ15.88 Connected by Flare Nut
6	Refrigerant Outlet (NO2)	Φ18.05 Connected by Flare Nut
7	Condensed Liquid Drain	FPT 1"
8	Emergency Drain	FPT 1/2"
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Wiring Hole for Power Line	Φ62 (Break out Hole)
12	Wiring Hole for Outdoor Unit	Φ32.5 (Break out Hole)
13	Installation Fixture Hole	4-Φ15x25
14	Backside Intake	

Outdoor Unit  
RAC-NP162Ax2  
RAC-NP162AEx2

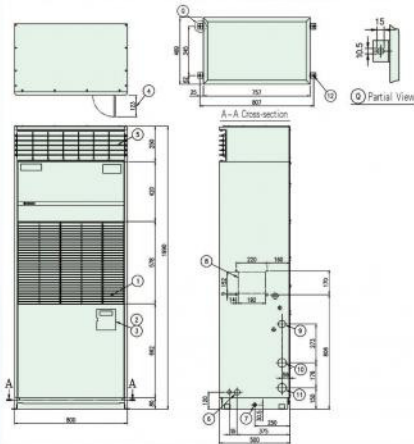


Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ19.05 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet	Φ15.88 Connected by Phosphorus Copper Welding
5	Wiring Hole for Fan	Φ12
6	Service Cover	
7	Installation Screw Hole	8-Φ12.5
8	Hand Bolt	

## WATER COOLED

### RP-NP52WB

Cooling Capacity:16.0kW  
Compressor Motor Output:3.75kW



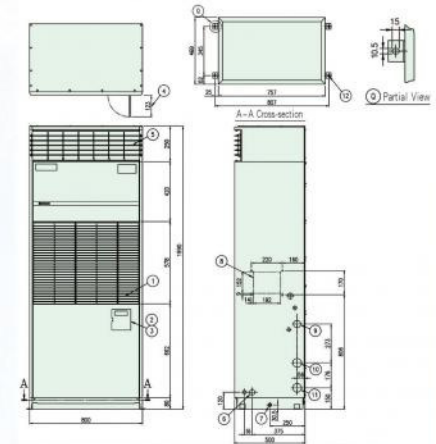
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover	Coolant Outlet
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(Knock out Hole)
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1 1/4"
11	Cooling Water Inlet	FPT 1 1/4"
12	Installation Fixture Hole	4-Φ10.5x15

## WATER COOLED

### RP-NP42W

Cooling Capacity:14.0kW  
Compressor Motor Output:3.0kW

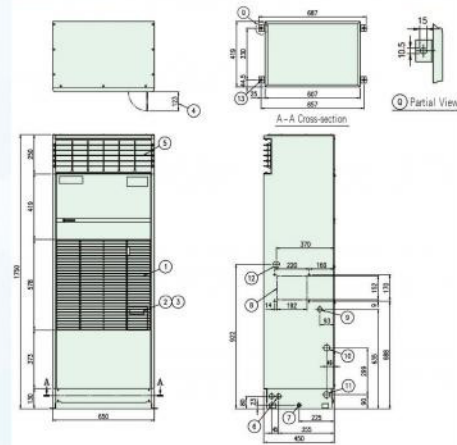


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover	Coolant Outlet
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(Knock out Hole)
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1 1/4"
11	Cooling Water Inlet	FPT 1 1/4"
12	Installation Fixture Hole	4-Φ10.5x15

### RP-NP32W

Cooling Capacity:10.0kW  
Compressor Motor Output:2.2kW

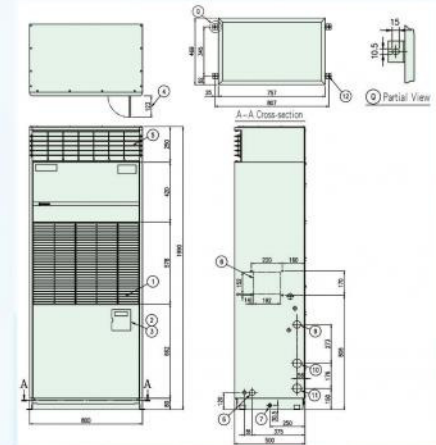


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover	Coolant Outlet
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ32.5
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(Knock out Hole)
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1"
11	Cooling Water Inlet	FPT 1"
12	Humidifier Connection Hole	Φ40 (Knock out Hole)
13	Installation Fixture Hole	4-Φ10.5x15

### RP-NP52W RP-NP52WE

Cooling Capacity:16.0kW  
Compressor Motor Output:3.75kW



Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover	Coolant Outlet
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
7	Emergency Drain	FPT 1/2"

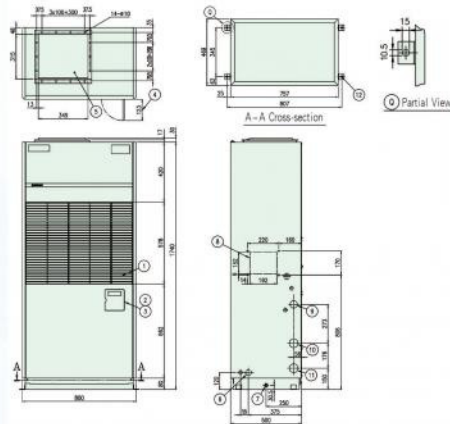
Item	Name	Note
8	Fresh Air Inlet	(Knock out Hole)
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1 1/4"
11	Cooling Water Inlet	FPT 1 1/4"
12	Installation Fixture Hole	4-Φ10.5x15



## WATER COOLED

### RP-NP52WL RP-NP52WEL

Cooling Capacity:16.0kW  
Compressor Motor Output:3.75kW



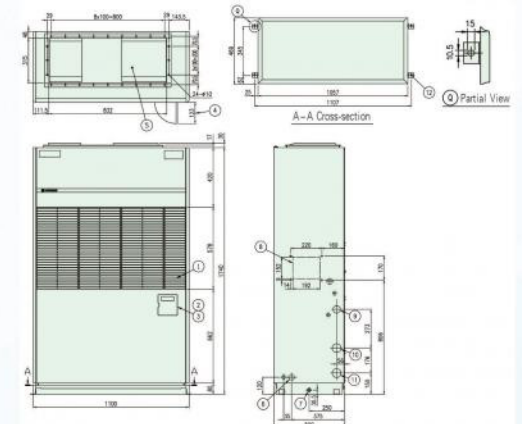
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Coolant Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line (Φ40.5 Knock out Hole)	
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet (Knock out Hole)	
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1.1/4"
11	Cooling Water Inlet	FPT 1.1/4"
12	Installation Fixture Hole	4-Φ10.5x15

## WATER COOLED

### RP-NP82WL RP-NP82WEL

Cooling Capacity:25.0kW  
Compressor Motor Output:6.4kW

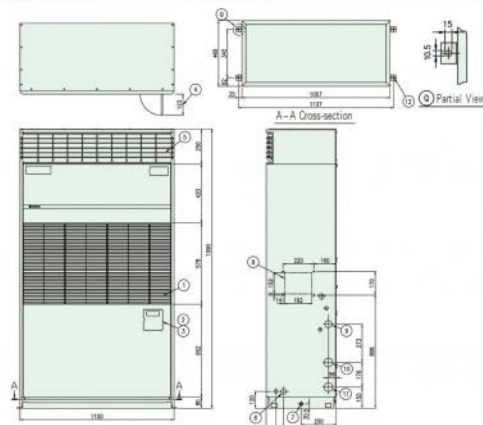


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Coolant Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line (Φ40.5 Knock out Hole)	
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet (Knock out Hole)	
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1.1/2"
11	Cooling Water Inlet	FPT 1.1/2"
12	Installation Fixture Hole	4-Φ10.5x15

### RP-NP82W RP-NP82WE

Cooling Capacity:25.0kW  
Compressor Motor Output:6.4kW

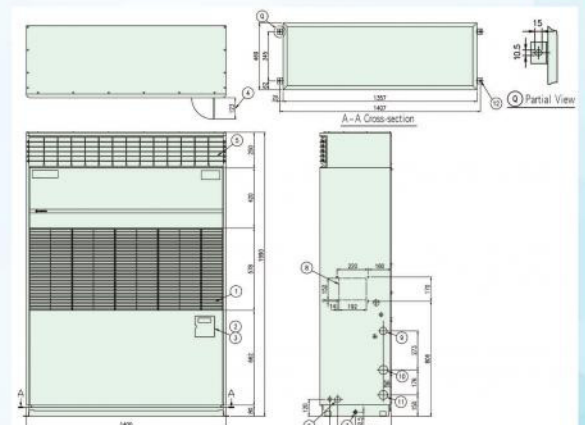


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Coolant Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line (Φ40.5 Knock out Hole)	
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet (Knock out Hole)	
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1.1/2"
11	Cooling Water Inlet	FPT 1.1/2"
12	Installation Fixture Hole	4-Φ10.5x15

### RP-NP102W RP-NP102WE

Cooling Capacity:32.0kW  
Compressor Motor Output:3.75kWx2



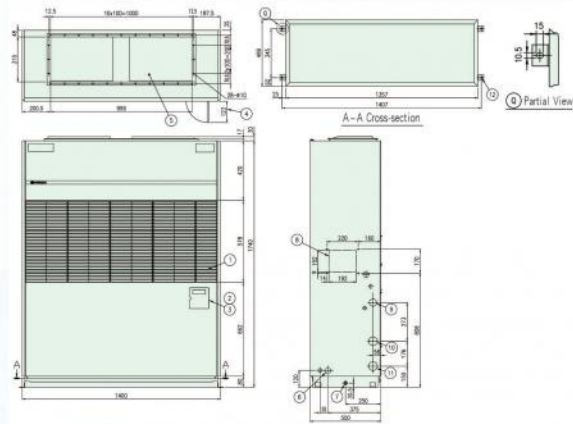
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Coolant Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line (Φ40.5 Knock out Hole)	
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet (Knock out Hole)	
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1.1/2"
11	Cooling Water Inlet	FPT 1.1/2"
12	Installation Fixture Hole	4-Φ10.5x15

## WATER COOLED

### RP-NP102WL RP-NP102WEL

Cooling Capacity:32.0kW  
Compressor Motor Output:3.75kWx2



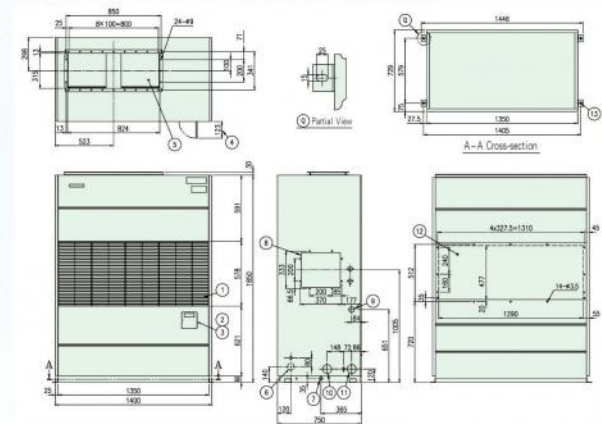
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ40.5 (R Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(R Knock out Hole)
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1 1/2"
11	Cooling Water Inlet	FPT 1 1/2"
12	Installation Fixture Hole	4-Φ 10.5x15

## WATER COOLED

### RP-NP152WL RP-NP152WEL

Cooling Capacity:52.5kW  
Compressor Motor Output:6.4kWx2

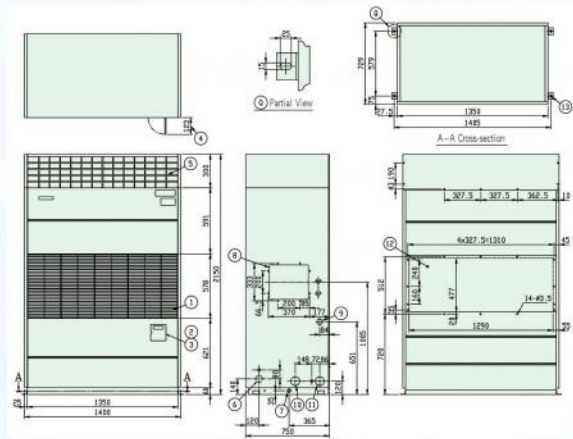


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ62 (R Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(R Knock out Hole)
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 2"
11	Cooling Water Inlet	FPT 2"
12	Backside Intake	
13	Installation Fixture Hole	4-Φ 15x25

### RP-NP152W RP-NP152WE

Cooling Capacity:52.5kW  
Compressor Motor Output:6.4kWx2

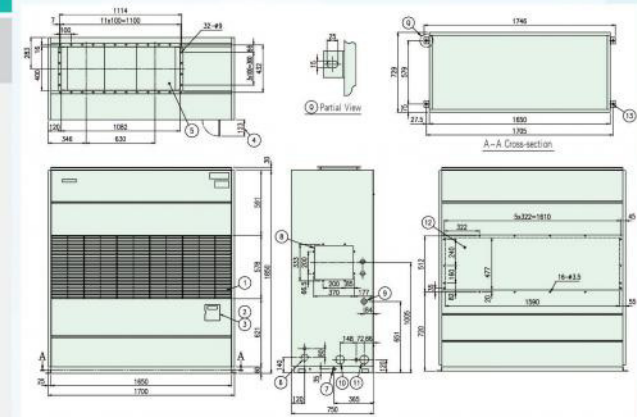


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ62 (R Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(R Knock out Hole)
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 2"
11	Cooling Water Inlet	FPT 2"
12	Backside Intake	
13	Installation Fixture Hole	4-Φ 15x25

### RP-NP222W RP-NP222WE

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



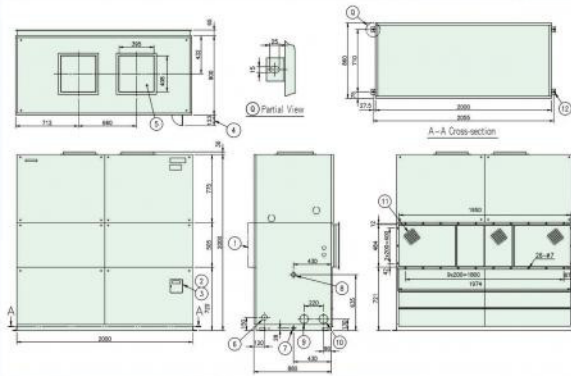
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ62 (R Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(R Knock out Hole)
9	Condensed Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 2"
11	Cooling Water Inlet	FPT 2"
12	Backside Intake	
13	Installation Fixture Hole	4-Φ 15x25

## WATER COOLED

### RP-NP302W RP-NP302WE

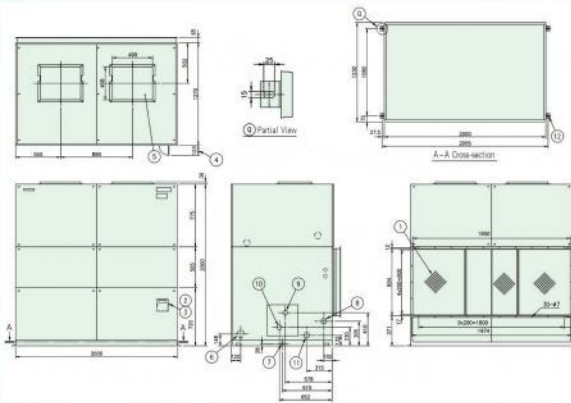
Cooling Capacity:110kW  
Compressor Motor Output:11.9kWx2



Item	Name	Note	Item	Name	Note
1	Frontside Intake		8	Condensed Liquid Drain	FPT 1"
2	Electronic Operation Panel		9	Cooling Water Outlet	FPT 2 1/2"
3	Operation Cover		10	Cooling Water Inlet	FPT 2 1/2"
4	Opening Width of Operation Cover/Coolant Outlet		11	Coolant Outlet	Φ42 (Knock out Hole)
5	Outlet Grille		12	Installation Fixture Hole	4-Φ15x25
6	Wiring Hole for Power Line	Φ52 (Knock out Hole)			
7	Emergency Drain	FPT 1/2"			

### RP-NP402W RP-NP402WE

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



Item	Name	Note	Item	Name	Note
1	Intake		8	Condensed Liquid Drain	FPT 1"
2	Electronic Operation Panel		9	Cooling Water Outlet	FPT 2 1/2"
3	Operation Cover		10	Cooling Water Inlet	FPT 2 1/2"
4	Opening Width of Operation Cover/Coolant Outlet		11	Coolant Outlet	Φ42 (Knock out Hole)
5	Outlet Grille		12	Installation Fixture Hole	4-Φ15x25
6	Wiring Hole for Power Line	Φ80 (Knock out Hole)			
7	Emergency Drain	FPT 1/2"			

## 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-NP162AL	RCR-NP162A	RP-NP222A	RCR-NP222A	RP-NP302A	RCR-NP102Ax2			
※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																		
Dimensions	Width	mm	950	1060	950	1060	1250	1240	1400	1240	1400	1850	1400	1850	1700	1986	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	—	—	—	—			
	Operation Current	A	22.5	14.4	23.4	—	30.8	—	48.0	—	48.4	—	70.5	—	—	—	—			
	Starting Current	A	126	129	188	—	129	—	188	—	188	—	188	—	—	—	—			
Energy Efficiency Ratio (EER)	W/W	3.30	3.38	3.42	—	3.30	—	3.20	—	3.15	—	3.15	—	—	—	—	—			
Cooling Device	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																	
	Air Volume (High/Low)	m³/min	44/38	50x2	44/38	50x2	66	160	88	160	130	420	130	420	180	410	260	420		
	External Static Pressure	Pa (mmHg)	0	—	0	—	0	—	0	—	0	—	50(5)	—	50(5)	—	80(8)	—		
	Automatic Direction of Rotation	Direction of Rotation	—	Left-Right Wind Direction Auto Swap																
	Motor Power	W	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—		
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	mm			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 Φ19.05 + Φ19.05		
	Liquid Line	mm			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 + Φ12.7			
	Condensed Liquid Drain	FPT 1																		
	Emergency Drain	FPT 1/2																		
Wiring	Power Source Connection	Outdoor unit																		
	Indoor and Outdoor Power Source Line	mm²	2 Cores (1.25)				3 Cores (1.25)				6 Cores (1.25)				3 Cores x2 (1.25)					
	Indoor and Outdoor Control Line	mm²	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, Evaporator Air inlet temperature 27°C DB, 19°C WB, Condenser Air inlet 35°C DB, 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°C DB/23°C WB

Minimum: 21°C DB/15°C WB

Condenser Intake Air Temperature: Maximum 43°C DB/ Minimum 21°C DB

## AIR COOLED SPECIFICATION TABLE (380V)

Item	Model	RP- NP32AE	RAC- NP32AE	RPS- NP82AE	RAC- NP82AE	RPS- NP102AE	RAC- NP102AE	RP- NP152AE	RAC- NP152AE	RP- NP152AEL	RAC- NP152AE	RP- NP222AE	RAC- NP222AE	RP- NP302AE	RAC- NP162AE		
※Cooling Capacity	kW	16.0		25.0		32.0		48.9		48.9		72.0		98.0			
Power Source	—	AC 3Φ 380V 60Hz															
Dimensions	Width	mm	950	1060	1250	1240	1400	1240	1400	1850	1400	1850	1700	1980	2000	1850	
	Depth	mm	500	345	500	500	500	500	750	940	750	940	750	1000	900+65	940	
	Height	mm	1950	1325	1950	1425	1950	1625	2150	1138	1680	1138	1880	1128	2000+30	1138	
	Separable Height	mm	1730+250	—	1730+250	—	1730+250	—	1880+300	—	—	—	—	—	1365+665	—	
※Electrical Characteristics	Power Consumption	kW	4.74		7.32		9.7		15.3		15.6		22.86		32.67		
	Operation Current	A	8.3		12.5		16.9		26.5		27.9		40		57.7		
	Starting Current	A	62		88		62		88		88		88		194		
Energy Efficiency Ratio (EER)	W/W	3.38		3.42		3.30		3.20		3.15		3.15		3.00			
Cooling Device	Model	—	High Efficiency Fully Enclosed Scroll Compressor														
	Compressor	Power (Pole)	kW	—	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	—	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 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)	0.125(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														
	Air Volume (High/Low)	m³/min	44/38	50x2	66	160	88	160	130	420	130	420	180	410	260	420	
	External Static Pressure	Pa (mmHg)	0	—	0	—	0	—	0	—	50(5)	—	50(5)	—	80(8)	—	
	Automatic Direction of Rotation	Direction of Rotation	—	Left-Right Wind Direction Automatic Swap		—											
	Motor Power	W	3	—													
Protective Devices	—	Current Overload Relay (Fan, except for RPS-NP52AE), hidden temperature switch (Fan, except for RPS-NP51AE), Pressure Switch, Anti-freeze switch, outlet temperature switch (compressor), Current Overload Relay (Compressor)															
Dimensions of Tubings	Refrigerant	Gas Line	mm	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 + Φ15.88			
	Liquid Line	mm	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 + Φ13.3 + 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	mm²	2 Cores (1.25)		3 Cores (1.25)				6 Cores (1.25)				3 Cores x2 (1.25)				
Indoor and Outdoor Control Line	mm²	8 Cores (0.75)		6 Cores (0.75)		10 Cores (0.75)		—									
Product Weight	kg	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 27°C DB, 19°C WB. Condenser Air inlet 35°C DB, 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°C DB/23°C WB  
 Minimum: 21°C DB/15°C WB  
 Condenser Intake Air Temperature: Maximum 43°C DB/ Minimum 21°C DB

## WATER COOLED SPECIFICATION TABLE (220V)

Item	Model	RP- NP52WB	RP- NP32W	RP- NP42W	RP- NP52W	RP- NP52WL	RP- NP82W	RP- NP82WL	RP- NP102W	RP- NP102WL	RP- NP152W	RP- NP152WL	RP- NP222W	RP- NP302W	RP- NP402W		
※Cooling Capacity	kW	16.0	10.0	14.0	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 1Φ 220V 60Hz															
Dimensions	Width	mm	800	650	800	800	800	1100	1100	1400	1400	1400	1700	2000	2000		
	Depth	mm	500	450	500	500	500	500	500	500	750	750	750	900+65	1270+65		
	Height	mm	1990	1750	1990	1990	1770	1990	1770	1990	1770	2150	1850+30	1850+30	2000+30	2000+30	
	Separable Height	mm	1770+250	—	1770+250	1770+250	—	1770+250	—	1770+250	—	1880+300	—	—	1225+805	1225+805	
※Electrical Characteristics	Power Consumption	kW	3.65	2.28	2.98	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	18.9	6.8	9.5	11.3	11.8	17.4	18.6	22.8	24.4	36.9	36.9	54.3	93.5	126.5	
	Starting Current	A	126	74	114	121	121	171	171	135	135	185	185	190	313	338	
Energy Efficiency Ratio (EER)	W/W	4.38	4.38	4.70	4.38	4.20	4.38	4.10	4.34	4.05	4.34	4.05	4.05	3.96	3.83		
Cooling Device	Model	—	High Efficiency Fully Enclosed Scroll Compressor														
	Compressor	Power (Pole)	kW	3.75(2)	2.2(2)	3.0(2)	3.75(2)	3.75(2)	6.4(2)	6.4(2)	3.75(2)	3.75(2)	6.4(2)	6.4(2)	6.4(2)+3.75(2)	11.9(2)	11.9(2)+7.5(2)
	Quantity	—	1	1	1	1	1	1	1	2	2	2	2	2+1	2	2+1	
	Condenser	—	Coiled DOUBLE 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		Bilateral Intake Multi-blade Fan x2								
	Motor Power (Pole)	kW	0.265(6)	0.105(8)	0.135(6)	0.265(6)	0.265(6)	0.20(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														
	Air Volume (High/Low)	m³/min	44/38	25/22	36/22	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 Swap													
	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-NP82W-RP-NP402W), Internal Thermostat (Fan Motor, limited to RP-NP32W-RP-NP102WL)															
Cooling Water	Water Volume (at temperature of 30°C)	m³/h	3.5	2.2	3.0	3.5	5.5	7.0	11.4	15.6	22.8	30.5					
	Head Loss	MPa (mHg)	48(4.8)	25(2.5)	40(4.0)	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	—	FFPT1														
	Emergency Drain	—	FFPT1/2														
	Cooling Water	Inlet	—	FPT1 1/4	FPT1	FPT1 1/4		FPT1 1/2		FPT2		FPT2 1/2					
Outlet	—	FPT1 1/4	FPT1	FPT1 1/4		FPT1 1/2		FPT2		FPT2 1/2							
Product Weight	kg	190	160	190	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°C, indoor intake air of dry bulb temperature at 19°C, 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°C DB/23°C WB  
 Minimum: 21°C DB/15°C WB  
 Condenser Intake Air Temperature: Maximum 38°C DB/ Minimum 21°C DB

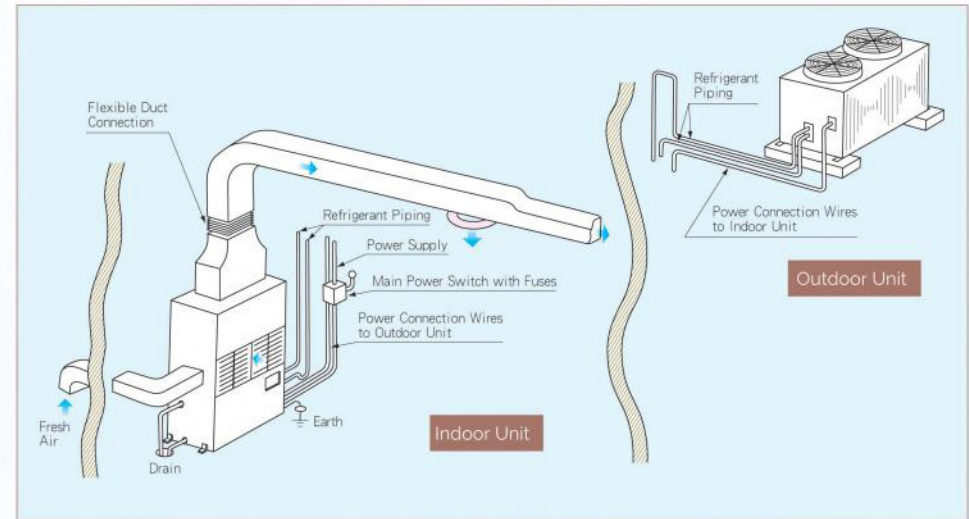
## WATER COOLED SPECIFICATION TABLE (380V)

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	1650+30	2000+30	2000+30											
	Separable Height	mm	1770+250	—	1770+250	—	1770+250	—	1880+300	—	—	1225+305	1225+305											
※※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	66.8											
	Starting Current	A	63	63	89	89	88	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)+7.5(2)										
	Quantity	—	1	1	1	1	2	2	2	2	2+1	2	2+1											
	Condenser	—	Coiled DOUBLE 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																					
	Air Volume (High/Low)	m³/min	44/38		44		66		88		130		180		260		360							
	External Static Pressure	Pa (inHg)	0		30(3)		0		30(3)		0		30(3)		0		50(5)		80(8)		80(8)		200(20)	
	Automatic Direction of Rotation (Motor Power)	—	Left-Right Invert Direction Auto Swapper																					
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°C)	m³/h	3.5		5.5		7.0		11.4		15.6		22.8		30.5									
	Head Loss	kPa (inHg)	48(4.8)		45(4.5)		57(5.7)		32(3.2)		56(5.6)		80(8.0)		45(4.5)									
Dimensions of Tubings	Condensed water	—	FPT 1																					
	Emergency Drain	—	FPT 1/2																					
	Cooling Water	Inlet	—	FPT1 1/4		FPT1 1/2		FPT2		FPT2		FPT2 1/2		FPT2 1/2										
Outlet		—	FPT1 1/4		FPT1 1/2		FPT2		FPT2		FPT2 1/2		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°C, indoor intake air of dry bulb temperature at 19°C, 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°C DB/23°C WB  
 Minimum: 21°C DB/15°C WB  
 Condenser Intake Air Temperature: Maximum 38°C DB/ Minimum 21°C DB

## AIR COOLED

### Air Cooled Installation Figure



## WATER COOLED

### Water Cooled Installation Figure

