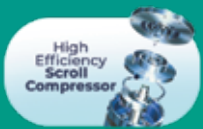


HITACHI



air



PACKAGE AIR CONDITIONER

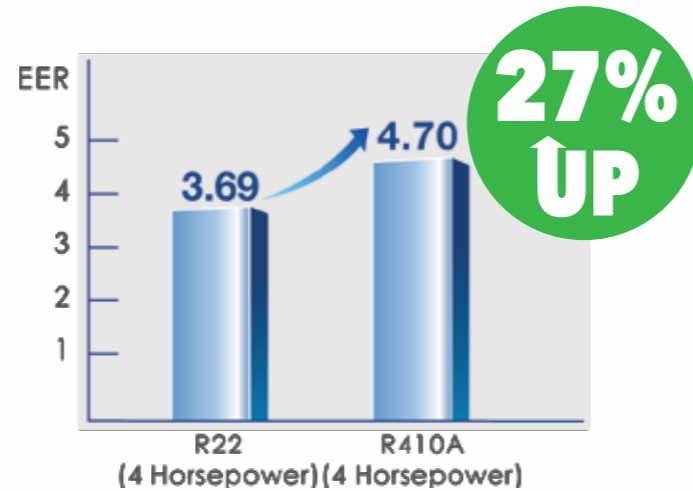
# HITACHI

## Environment-Friendly Refrigerant Saves More Energy



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 R410A refrigerant. Built with an ozone-depleting coefficient of zero, it makes this entire lineup stand out from the competition.

### HIGHER EER POWER SAVINGS ENVIRONMENT-FRIENDLY



## Technologically Advanced Scroll Compressor

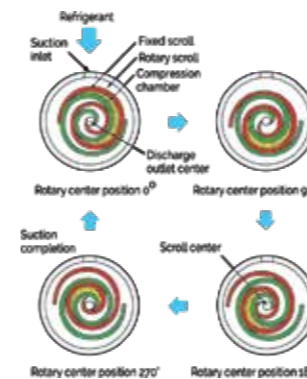
### LOW WEAR, LOW FAILURE

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, BIG SAVINGS

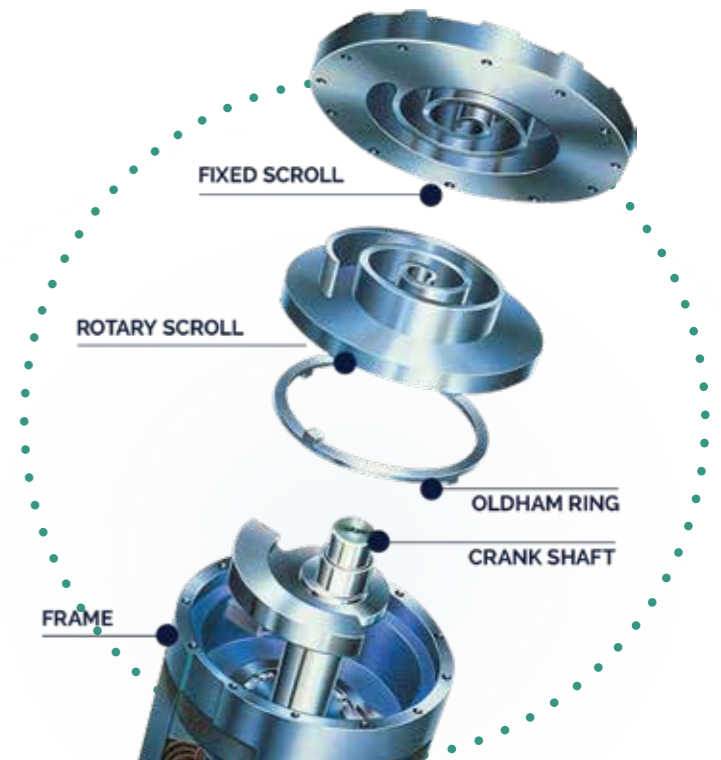
Only a minute amount of air is leaked between the high-pressure and low-pressure regions while the scroll compressor is working. Also, since the inlet and the outlet are not adjacent, most of the refrigerant is saved. As a result, the scroll compressor becomes completely efficient, providing intensive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

### COMPRESSION PRINCIPLE OF SCROLL COMPRESSORS



### 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.



### COMPREHENSIVE PROTECTIVE DEVICES

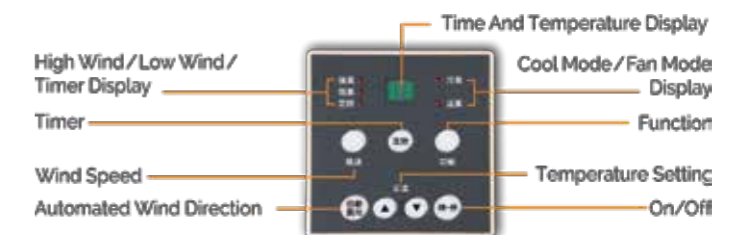
Protective devices such as switches, which protect against current overload, overheating, excess pressure and freezing, are provided. In case of machine failure, a code for the type of malfunction is displayed, so applying repairs is easier.

### 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. This makes for a smarter, more convenient choice than buying a custom model.

### 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.



### IDEAL FOR



Convenience Stores



Coffee Shops



Residential Villas



Function Rooms



















Spas and Hotels







ENVIRONMENT FRIENDLY REFRIGERANT















**AIR-COOLED**

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





**AIR-COOLED**

Product Type		Model		kW
		Indoor Unit		
Inverter	Cooling	RPS-160F 		16.0
		RPS-225F(D) 		22.5
	Cooling	RPS-280F(D) 		28.0
		RPS-335F(D) 		33.5

**WATER-COOLED**

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

## PACKAGE TYPE INVERTER INDOOR

PACKAGE TYPE INVERTER INDOOR						
MODEL NAME			RPS-160F	RPS-225F (D)	RPS-280F (D)	RPS-335F (D)
						
Power Supply		60 HZ	AC 1 Phase, 220V, 60Hz	F AC 3 220V/ 60Hz, FD AC 3 380V/ 60Hz		
Dimensions (WxHxD)	Free Blow	mm	950 x 1,950 x 500	1,250 x 1,950 x 500		1,400 X 1,950 X 500
	Duct Type	mm	950 x 1,730 x 500	1,250 x 1,730 x 500		1,400 X 1,730 X 500
Cooling Capacity		kW	16.0	22.5	28.0	33.5
Nominal Power Consumption		kW	0.45	0.43	0.585 / 0.510	0.68
Air Volume		m <sup>3</sup> /min	44 - 38	66	78	88
Refrigerant Piping	Gas	mm	15.88 Nut	19.05 Nut	22.2 Brazing	25.4 Brazing
	Liquid	mm	9.53 Nut	9.53 Nut	9.53 Nut	12.7 Nut
Product Weight		kg	115	155	158	185
Sound Pressure		dB (A)	56 - 54	58	59	61
Remote Accesories			PC-AT or PA-ARFV			
External Static Pressure	Standard	Pa	50 / 120	40	30	100
	High			150	150	200

## PACKAGE TYPE INVERTER OUTDOOR

Model			RAM-160FSPH (B)	RAM-200FSPH (DC)	RAM-250FSPH (DC)	RAM-280FSPH (DC)	RAM-335FSPH (DC)
Power Supply			FSPH Model: AC 3, 220V, 60Hz/ FSPHB Model: AC 1, 220V, 60Hz/	FSPH Model: AC 3, 220V, 60Hz/ FSPHDC Model: AC 3, 380V, 60Hz			
Outer Dimensions (WxDxH)		mm	950 x 370 x 1,380	950 x 370 x 1,380	950 x 370 x 1,380	1,100 x 390 x 1,650	1,100 x 390 x 1,650
Nominal Cooling Capacity		kW	16.0	20.0	25.0	28.0	33.5
Cooling Power Consumption		kW	3.82 / 3.96	5.06 / 5.04	7.29 / 7.35	7.94 / 7.49	12.00 / 11.70
Starting Current	230V	A	8.0 / 14.0	7.0	7.0	7.0	7.0
	380V	A	-	4.0	4.0	4.0	4.0
Running Current	230V	A	11.1 / 20.0	14.8	21.3	23.2	35.0
	380V	A	-	8.5	12.4	12.6	19.8
Compressor Motor Output		kW	3.0	4.8	4.8	4.8	4.8
Condenser Fan	Fan Speed	m <sup>3</sup> /min	100	120	134	163	163
	Motor Output	kW (pole)	0.074 (8) + 0.074 (8)	0.183 (8) x 2	0.183 (8) x 2	0.183 (8) + 0.20 (6)	0.183 (8) + 0.20 (6)
Main Refrigerant Piping	Gas Line	mm	15.88 (with nut)	25.4	25.4	28.6	28.6
	Liquid Line	mm	9.53 (with nut)	9.53	12.7	12.7	12.7
Net Weight		kg	110	138	138	173	183
Sound Pressure Level		dB(a)	53	57	59	60	62
Refrigerant		-	R410A				



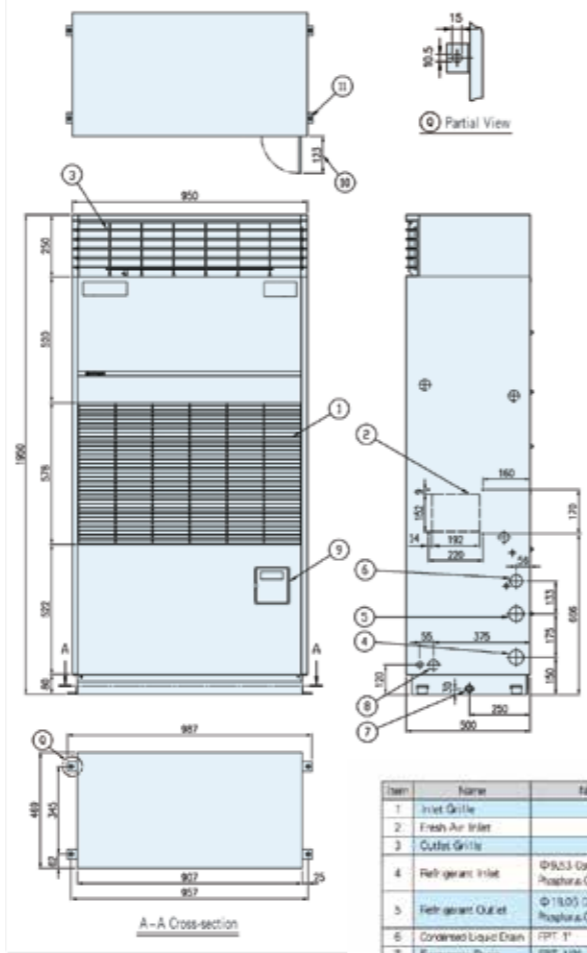
AIR-COOLED

RPS-NP52AB+RAC-NP52AB

Cooling Capacity: 16.0kW  
Compressor Motor Output 3.4kW

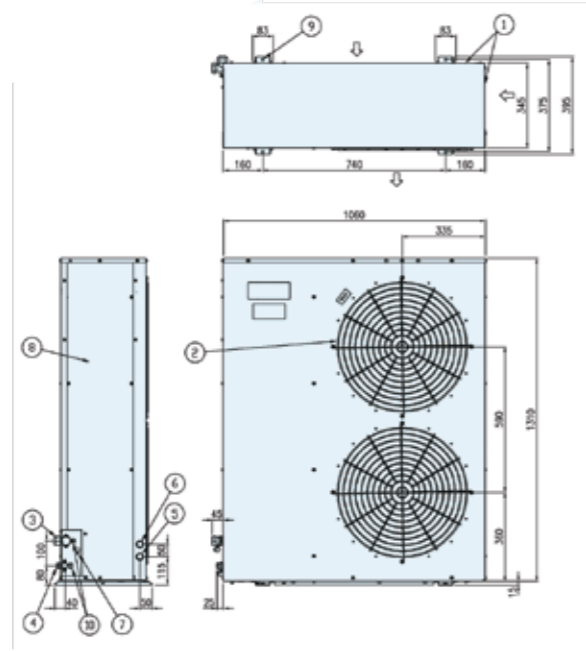


Indoor Unit RPS-NP52AB



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet	Φ9.53 Connected by Phosphor Copper Soldering
5	Refrigerant Outlet	Φ18.05 Connected by Phosphor Copper Soldering
6	Condensed Liquid Drain	RPT 1"
7	Emergency Drain	RPT 1/2"
8	Routing Hole for Power Line	Φ40.5 (Standard Hole)
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Installation Fixture Hole	4-Φ13.5x15

Outdoor Unit RAC-NP52AB



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ18.05 Connected by Flare Nut
4	Refrigerant Outlet	Φ9.53 Connected by Flare Nut
5	Routing Hole for Power Line	Φ30
6	Control Circuit Wiring Hole	Φ30
7	Ground Wire Splice	M5
8	Service Cover	
9	Installation Screw Hole	4-Φ13
10	Connecting Joints	

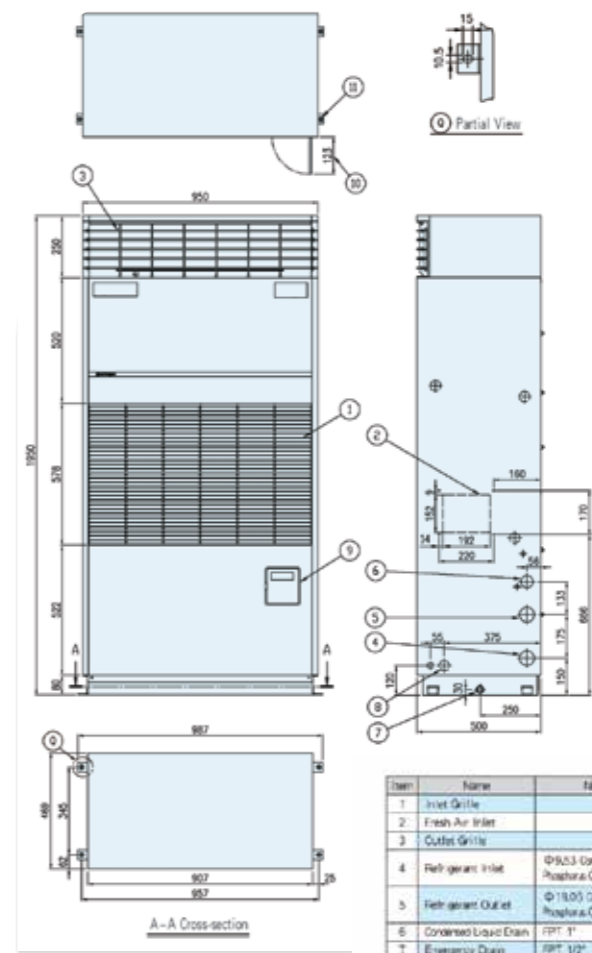
AIR-COOLED

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

Cooling Capacity: 16.0kW  
Compressor Motor Output 3.75kW

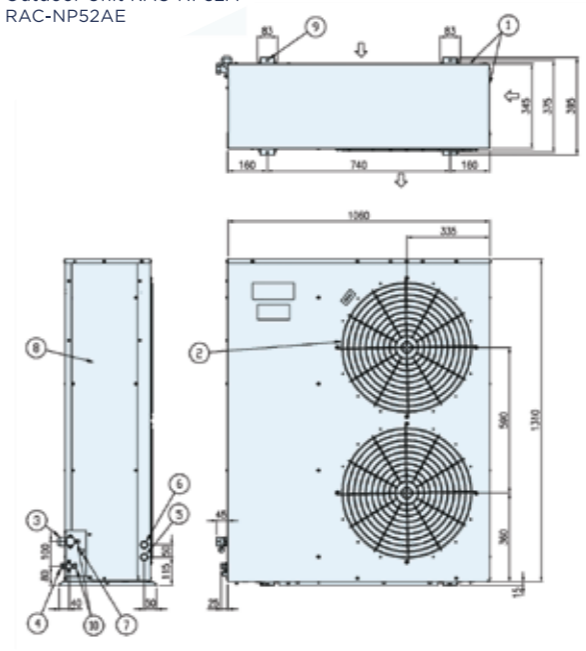


Indoor Unit RPS-NP52A  
RPS-NP52AE



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet	Φ9.53 Connected by Phosphor Copper Soldering
5	Refrigerant Outlet	Φ18.05 Connected by Phosphor Copper Soldering
6	Condensed Liquid Drain	RPT 1"
7	Emergency Drain	RPT 1/2"
8	Routing Hole for Power Line	Φ40.5 (Standard Hole)
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Installation Fixture Hole	4-Φ13.5x15

Outdoor Unit RAC-NP52A  
RAC-NP52AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ18.05 Connected by Flare Nut
4	Refrigerant Outlet	Φ9.53 Connected by Flare Nut
5	Routing Hole for Power Line	Φ30
6	Control Circuit Wiring Hole	Φ30
7	Ground Wire Splice	M5
8	Service Cover	
9	Installation Screw Hole	4-Φ13
10	Connecting Joints	

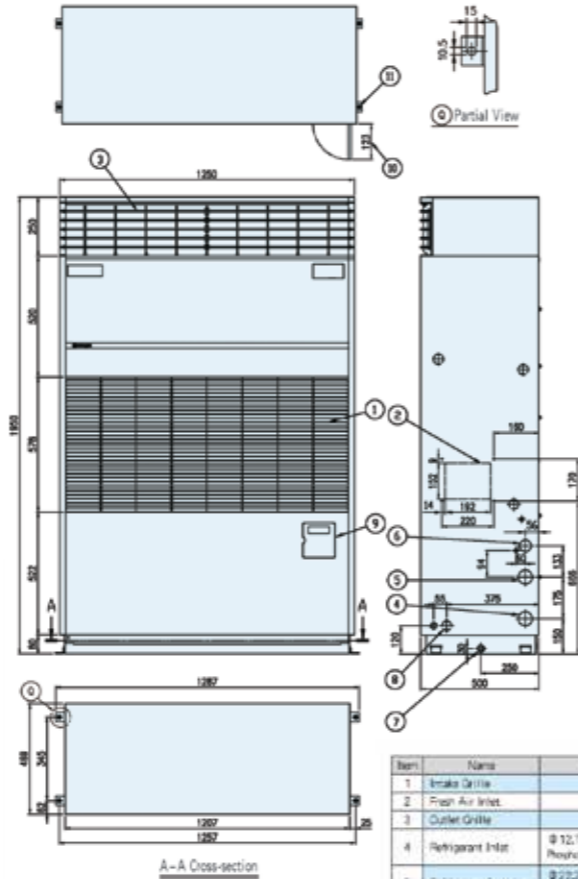
AIR-COOLED

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

Cooling Capacity: 25.0kW  
Compressor Motor Output 6.4kW

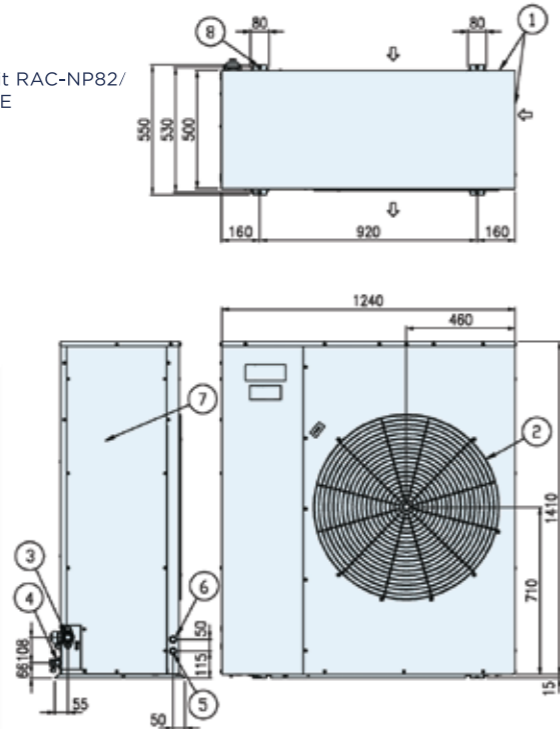


Indoor Unit RPS-NP82AB  
RPS-NP82AE



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet	Φ 12.7 Connected by Phosphor Copper Soldering
5	Refrigerant Outlet	Φ 22.2 Connected by Phosphor Copper Soldering
6	Condensed Liquid Drain	FPT 1"
7	Emergency Drain	FPT 1/2"
8	String Hole for Power Line	Φ 40.5 (Knock out Hole)
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Installation Fixture Hole	4-Φ 10.5x15

Outdoor Unit RAC-NP82/  
RAC-NP82AE



Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Φ 22.2 Connected by Flange Nut
4	Refrigerant Outlet	Φ 12.7 Connected by Flange Nut
5	String Hole for Power Line	Φ 52
6	Case or Circuit Wiring Hole	Φ 20
7	Service Cover	
8	Installation on Screw Hole	4-Φ 10

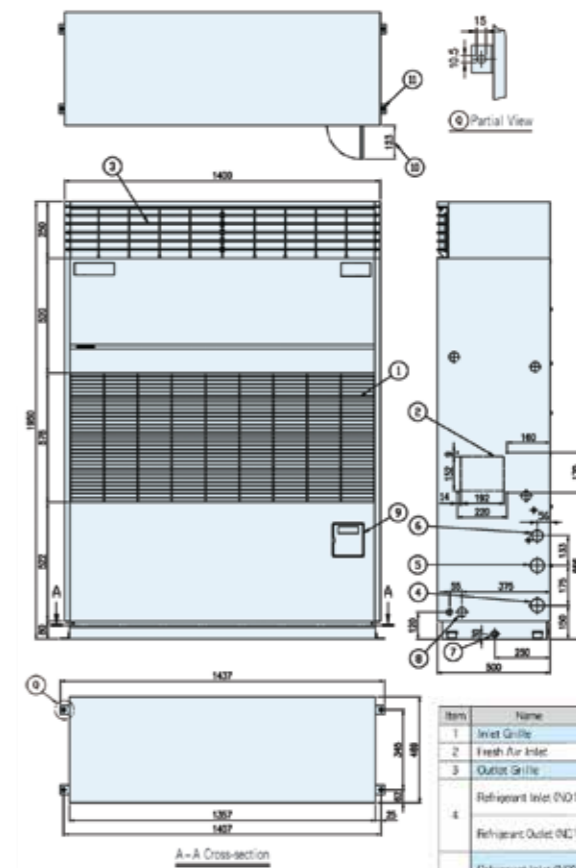
AIR-COOLED

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

Cooling Capacity: 32.0kW  
Compressor Motor Output 3.75kWx2

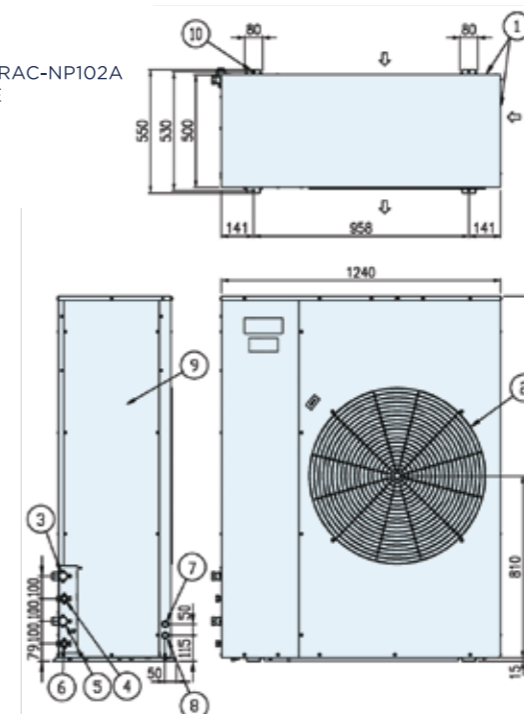


Indoor Unit RPS-NP102A  
RPS-NP102AE



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (NO1)	Φ 9.53 Connected by Phosphor Copper Soldering
5	Refrigerant Outlet (NO1)	Φ 15.25 Connected by Phosphor Copper Soldering
6	Refrigerant Inlet (NO2)	Φ 9.53 Connected by Phosphor Copper Soldering
7	Refrigerant Outlet (NO2)	Φ 15.25 Connected by Phosphor Copper Soldering
8	Condensed Liquid Drain	FPT 1"
9	Emergency Drain	FPT 1/2"
10	String Hole for Power Line	Φ 40.5 (Knock out Hole)
11	Installation Fixture Hole	4-Φ 10.5x15

Outdoor Unit RAC-NP102A  
RAC-NP102AE



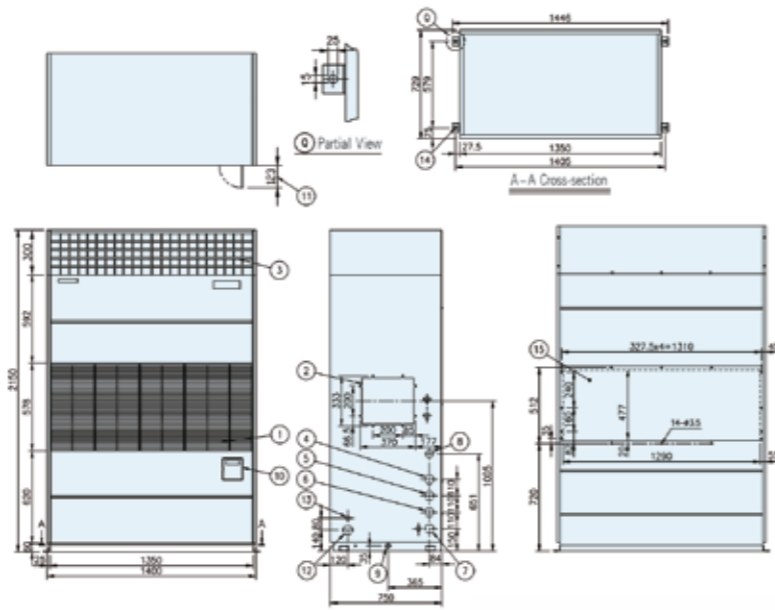
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (NO1)	Φ 19.05 Connected by Flange Nut
4	Refrigerant Outlet (NO1)	Φ 9.53 Connected by Flange Nut
5	Refrigerant Inlet (NO2)	Φ 19.05 Connected by Flange Nut
6	Refrigerant Outlet (NO2)	Φ 9.53 Connected by Flange Nut
7	String Hole for Power Line	Φ 52
8	Case or Circuit Wiring Hole	Φ 20
9	Service Cover	
10	Installation on Screw Hole	4-Φ 10

AIR-COOLED

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

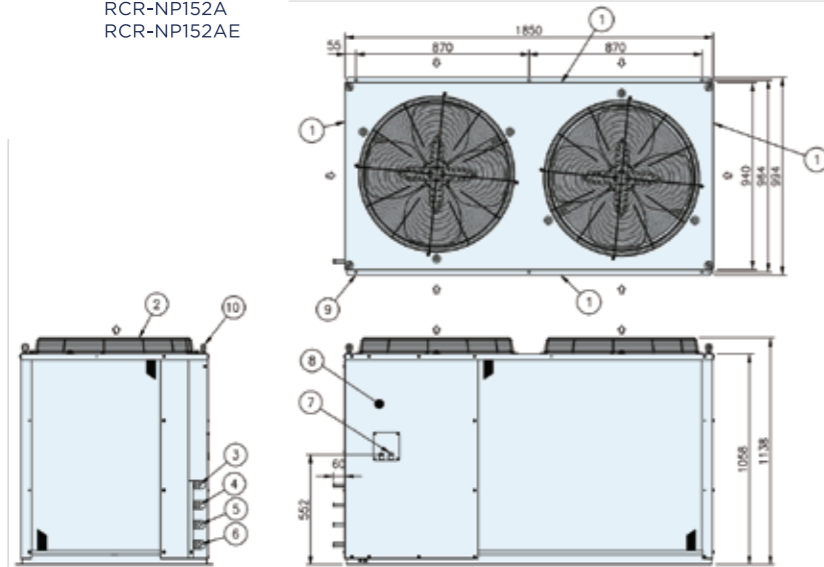
Cooling Capacity: 48.9kW  
Compressor Motor Output 6.4kW+4.9kW

Indoor Unit  
RP-NP152A  
RP-NP152AE



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (Ø11)	Ø12.7 Connected by Flare Nut
5	Refrigerant Outlet (Ø11)	Ø15.88 Connected by Flare Nut
6	Refrigerant Inlet (Ø11)	Ø12.7 Connected by Flare Nut
7	Refrigerant Outlet (Ø11)	Ø15.88 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	Ø62 (Break out Hole)
13	Wiring Hole for Outdoor Unit	Ø32.5 (Break out Hole)
14	Installation Screw Hole	4-Ø15x75
15	Backside Intake	

Outdoor Unit  
RCR-NP152A  
RCR-NP152AE



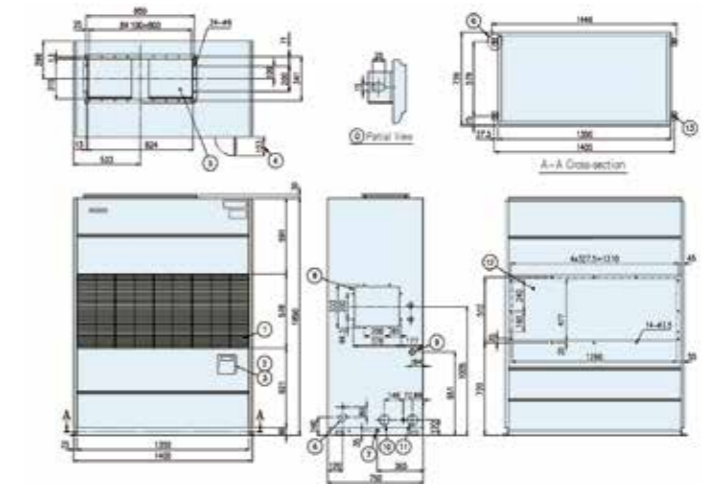
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (Ø11)	Ø12.7 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet (Ø11)	Ø15.88 Connected by Phosphorus Copper Welding
5	Refrigerant Inlet (Ø11)	Ø12.7 Connected by Phosphorus Copper Welding
6	Refrigerant Outlet (Ø11)	Ø15.88 Connected by Phosphorus Copper Welding
7	Wiring Hole for Fan	Ø12
8	Service Cover	
9	Installation Screw Hole	5-Ø12.5
10	Lock Bolt	

AIR-COOLED

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

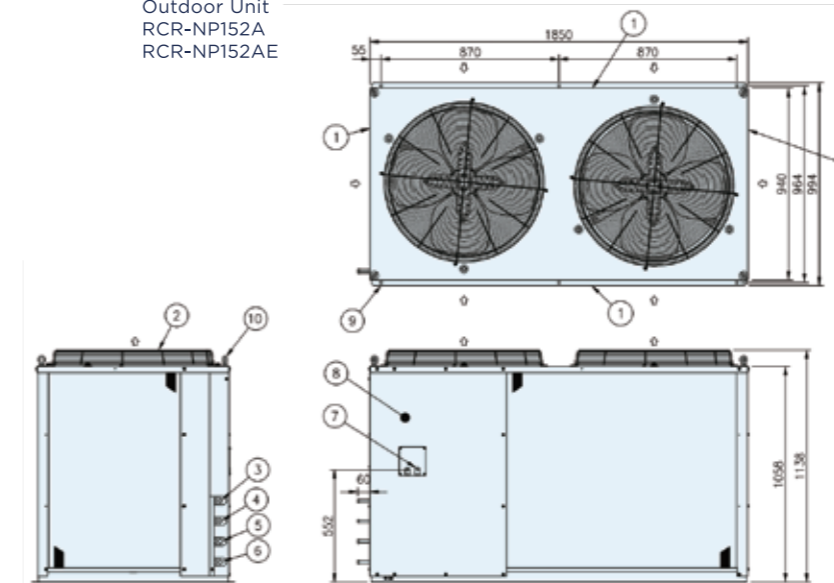
Cooling Capacity: 48.9kW  
Compressor Motor Output 6.4kW+4.9kW

Indoor Unit  
RP-NP152AL  
RP-NP152AEL



Item	Name	Note
1	Inlet Grille	
2	Fresh Air Inlet	
3	Outlet Grille	
4	Refrigerant Inlet (Ø11)	Ø12.7 Connected by Flare Nut
5	Refrigerant Outlet (Ø11)	Ø15.88 Connected by Flare Nut
6	Refrigerant Inlet (Ø11)	Ø12.7 Connected by Flare Nut
7	Refrigerant Outlet (Ø11)	Ø15.88 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	Ø62 (Break out 4x4)
13	Wiring Hole for Outdoor Unit	Ø32.5 (Break out Hole)
14	Installation Screw Hole	4-Ø15x75
15	Backside Intake	

Outdoor Unit  
RCR-NP152A  
RCR-NP152AE



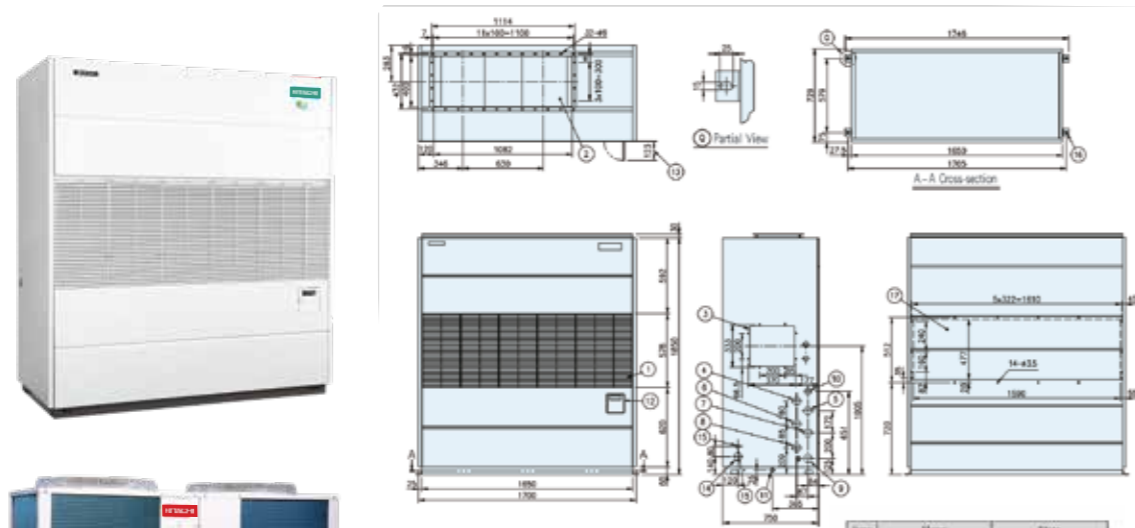
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (Ø11)	Ø12.7 Connected by Phosphorus Copper Welding
4	Refrigerant Outlet (Ø11)	Ø15.88 Connected by Phosphorus Copper Welding
5	Refrigerant Inlet (Ø11)	Ø12.7 Connected by Phosphorus Copper Welding
6	Refrigerant Outlet (Ø11)	Ø15.88 Connected by Phosphorus Copper Welding
7	Wiring Hole for Fan	Ø12
8	Service Cover	
9	Installation Screw Hole	5-Ø12.5
10	Lock Bolt	

AIR-COOLED

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

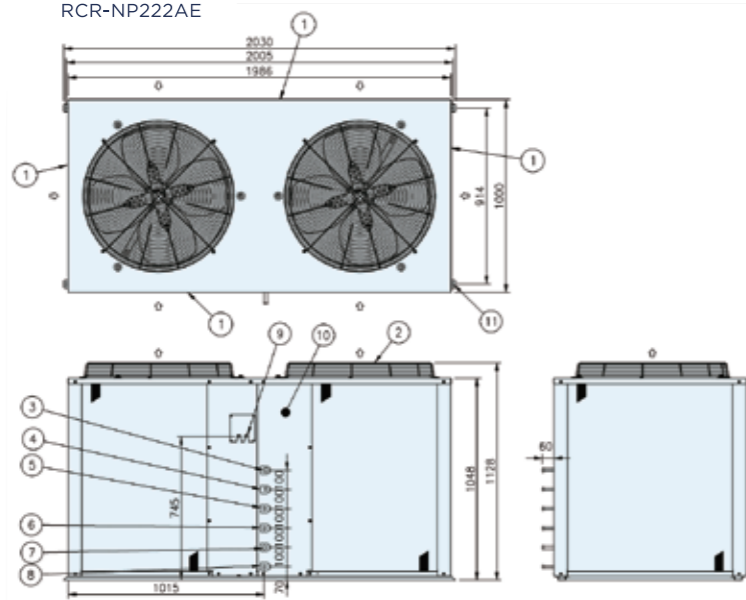
Cooling Capacity: 72.0kW  
Compressor Motor Output 6.4kWx2+3.75kW

Indoor Unit  
RP-NP222A  
RP-NP222AE



Item	Name	Note
1	Inlet Grille	
2	Output	
3	Fresh Air Inlet	
4	Refrigerant Outlet (NO1)	Ø 15.88 Connected to Floor Nut
5	Refrigerant Inlet (NO1)	Ø 12.7 Connected by Floor Nut
6	Refrigerant Outlet (NO2)	Ø 12.7 Connected by Floor Nut
7	Refrigerant Inlet (NO2)	Ø 9.53 Connected by Floor Nut
8	Refrigerant Outlet (NO3)	Ø 15.88 Connected to Floor Nut
9	Refrigerant Inlet (NO3)	Ø 12.7 Connected by Floor Nut
10	Condensate Liquid Drain	PPE 1"
11	Emergency Drain	PPE 1/2"
12	Operation Cover	
13	Opening Width of Operation Cover	
14	Wiring Hole for Power Line	Ø 62 (Break out hole)
15	Wiring Hole for Outdoor Unit	Ø 32.5 (Break out hole)
16	Installation Fixture Hole	4-Ø 15x25
17	Backside Intake	

Indoor Unit  
RCR-NP222A  
RCR-NP222AE



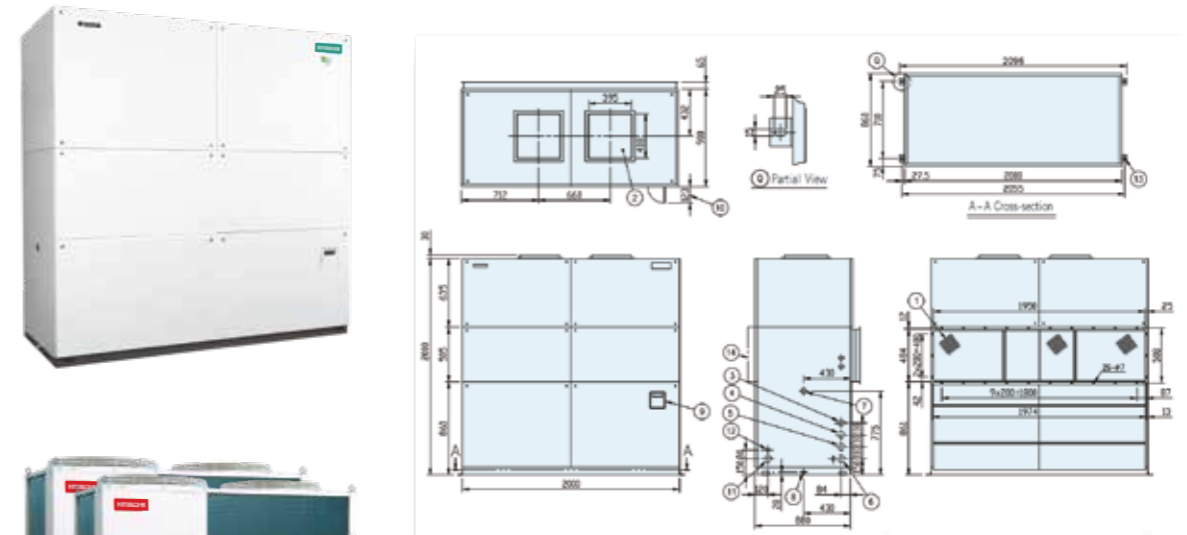
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet (NO1)	Ø 15.88 Connected by Proximate Copper Welding
4	Refrigerant Outlet (NO1)	Ø 12.7 Connected by Proximate Copper Welding
5	Refrigerant Inlet (NO2)	Ø 12.7 Connected by Proximate Copper Welding
6	Refrigerant Outlet (NO2)	Ø 9.53 Connected by Proximate Copper Welding
7	Refrigerant Inlet (NO3)	Ø 15.88 Connected by Proximate Copper Welding
8	Refrigerant Outlet (NO3)	Ø 12.7 Connected by Proximate Copper Welding
9	Wiring Hole for Fan	Ø 2-Ø 12
10	Service Cover	
11	Installation Screw Hole	6-Ø 12.5

AIR-COOLED

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

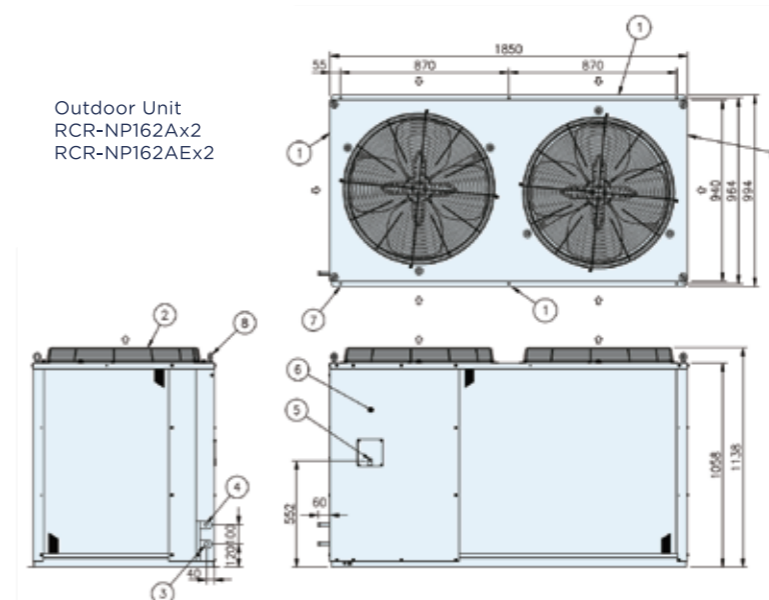
Cooling Capacity: 98kW  
Compressor Motor Output 11.2kWx2

Indoor Unit  
RP-NP302A  
RP-NP302AE



Item	Name	Note
1	Backside Intake	
2	Output	
3	Refrigerant Inlet (NO1)	Ø 15.88 Connected by Floor Nut
4	Refrigerant Outlet (NO1)	Ø 15.02 Connected by Floor Nut
5	Refrigerant Inlet (NO2)	Ø 15.88 Connected by Floor Nut
6	Refrigerant Outlet (NO2)	Ø 16.02 Connected by Floor Nut
7	Condensate Liquid Drain	PPE 1"
8	Emergency Drain	PPE 1/2"
9	Operation Cover	
10	Opening Width of Operation Cover	
11	Wiring Hole for Power Line	Ø 62 (Break out hole)
12	Wiring Hole for Outdoor Unit	Ø 32.5 (Break out hole)
13	Installation Fixture Hole	4-Ø 15x25
14	Frontside Intake	

Outdoor Unit  
RCR-NP162AX2  
RCR-NP162AEX2



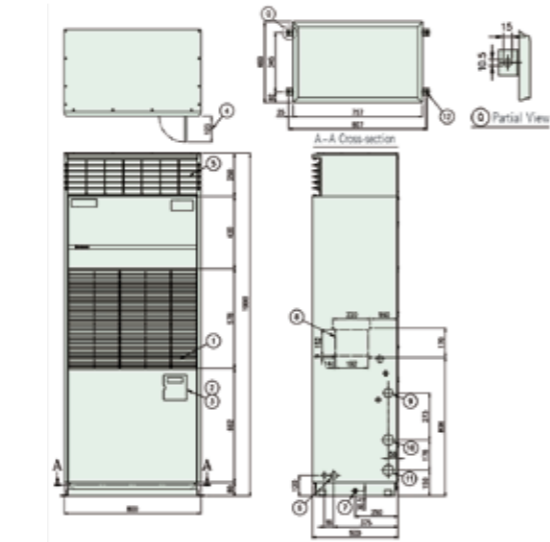
Item	Name	Note
1	Air Inlet	
2	Air Outlet	
3	Refrigerant Inlet	Ø 18.02 Connected by Proximate Copper Welding
4	Refrigerant Outlet	Ø 15.88 Connected by Proximate Copper Welding
5	Wiring Hole for Fan	Ø 12
6	Service Cover	
7	Installation Screw Hole	6-Ø 12.5
8	Mount Bolt	



WATER-COOLED

RP-NP52WB

Cooling Capacity: 16.0kW  
Compressor Motor Output 3.75kW

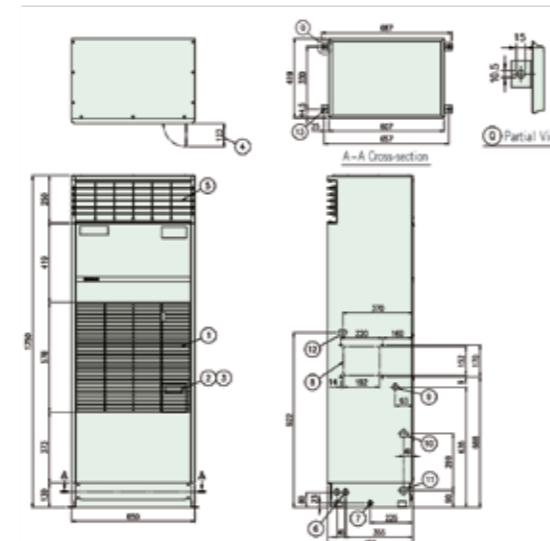


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Slit of Operation Cover/Condenser Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ 40.5 (Drop-out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	Drop-out Hole
9	Condensate 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-Φ 10.5x15

RP-NP32W

Cooling Capacity: 10.0kW  
Compressor Motor Output 2.2kW



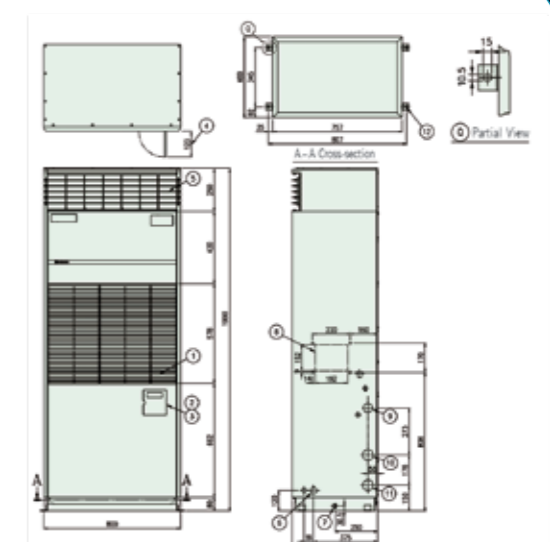
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Slit of Operation Cover/Condenser Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ 32.5
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	Drop-out Hole
9	Condensate Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1"
11	Cooling Water Inlet	FPT 1"
12	Horizontal Connector Hole	Φ 40.5 (Drop-out Hole)
13	Installation Fixture Hole	4-Φ 10.5x15

WATER-COOLED

RP-NP42W

Cooling Capacity: 14.0kW  
Compressor Motor Output 3.0kW

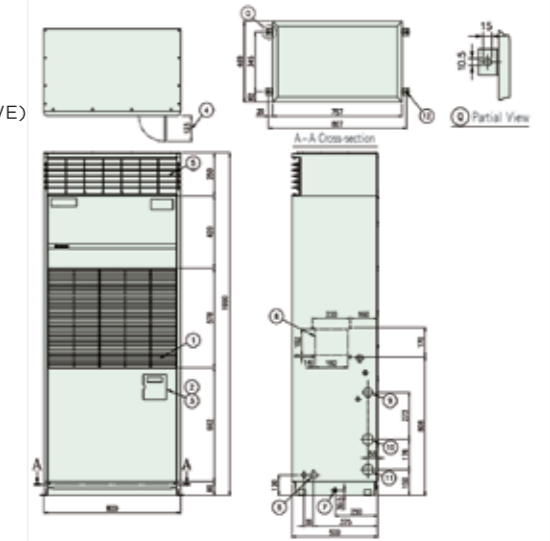


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Slit of Operation Cover/Condenser Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ 40.5 (Drop-out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	Drop-out Hole
9	Condensate 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-Φ 10.5x15

RP-NP52W  
RP-NP52WE

Cooling Capacity: (52W)/16.0kW (52WE)  
Compressor Motor Output 3.4kW (52W)/3.75kW (52WE)



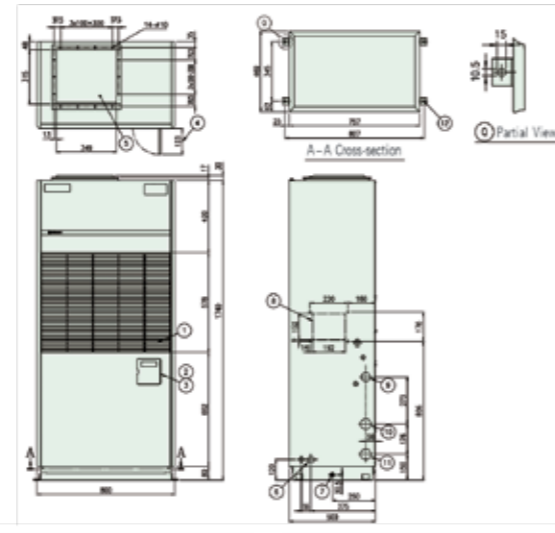
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Slit of Operation Cover/Condenser Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ 40.5 (Drop-out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	Drop-out Hole
9	Condensate 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-Φ 10.5x15

**WATER-COOLED**

**RP-NP52WL  
RP-NP52WEL**

Cooling Capacity: 16.0kW  
Compressor Motor Output 3.75kW



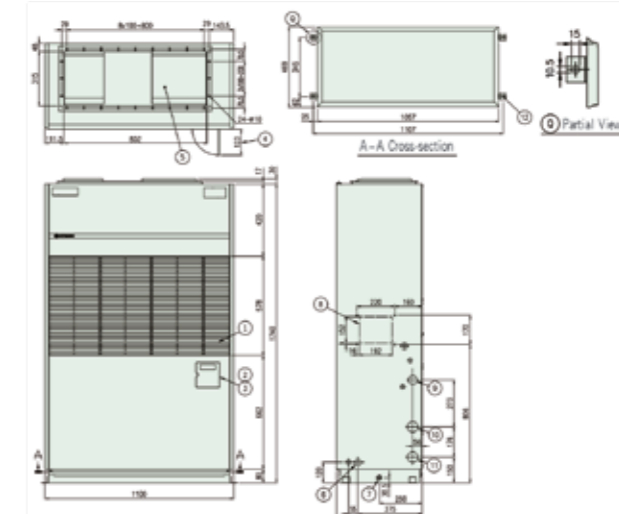
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	ΦKnock out Hole
9	Condensate 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-Φ 10.5x15

**WATER-COOLED**

**RP-NP82WL  
RP-NP82WEL**

Cooling Capacity: 25.0kW  
Compressor Motor Output 6.4kW

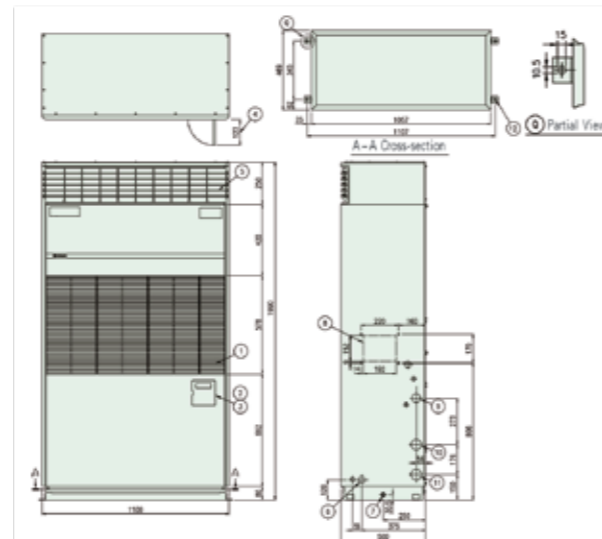


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	ΦKnock out Hole
9	Condensate 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

**RP-NP82W  
RP-NP82WE**

Cooling Capacity: 25.0kW  
Compressor Motor Output 6.4kW

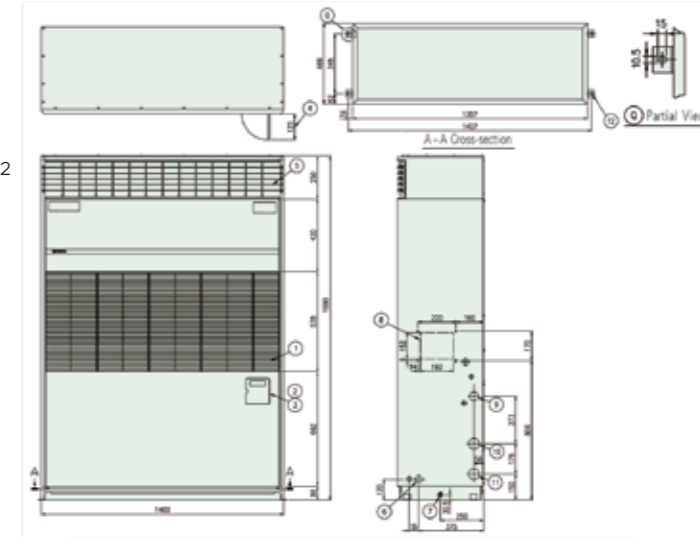


Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	ΦKnock out Hole
9	Condensate 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

**RP-NP102W  
RP-NP102WE**

Cooling Capacity: 32.0kW  
Compressor Motor Output 3.75kWx2



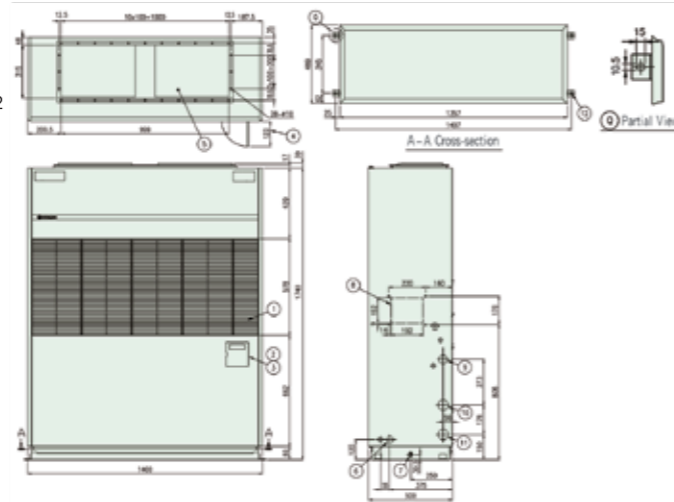
Item	Name	Note
1	Inlet Grille	
2	Electronic Operation Panel	
3	Operation Cover	
4	Opening Width of Operation Cover/Condensate Outlet	
5	Outlet Grille	
6	Wiring Hole for Power Line	Φ40.5 (Knock out Hole)
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	ΦKnock out Hole
9	Condensate 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-NP102WL  
RP-NP102WEL**

Cooling Capacity: 32.0kW  
Compressor Motor Output 3.75kWx2



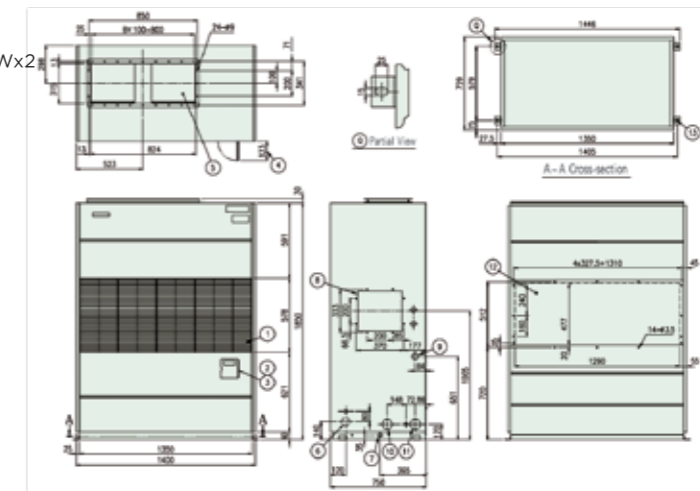
Item	Name	Note
1	Inlet Grille	
2	Electronic Control Panel	
3	Operation Cover	
4	Service Panel of Condenser Coil/Outdoor Unit	
5	Outdoor Grille	
6	Drain Hole for Piping (Ø42.5 (3/8" out hole))	
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(Block out hole)
9	Condensate Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 1 1/2"
11	Cooling Water Inlet	FPT 1 1/2"
12	Installation Piping Hole	Ø 10.5x15

WATER-COOLED

**RP-NP152WL  
RP-NP152WEL**

Cooling Capacity: 52.5kW  
Compressor Motor Output 6.4kWx2

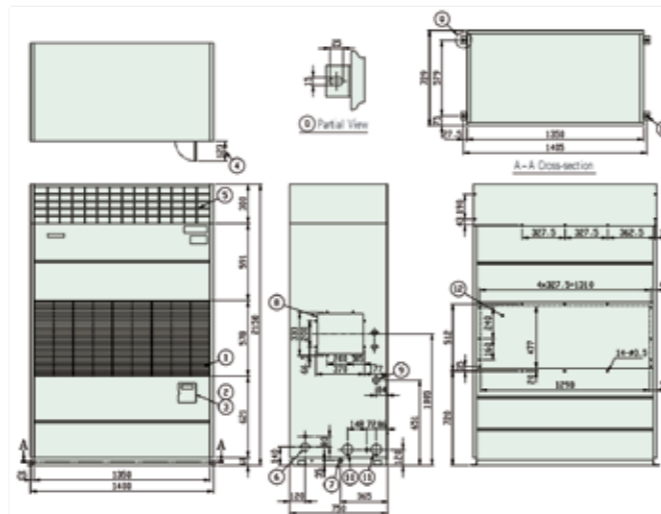


Item	Name	Note
1	Inlet Grille	
2	Electronic Control Panel	
3	Operation Cover	
4	Service Panel of Condenser Coil/Outdoor Unit	
5	Outdoor Grille	
6	Drain Hole for Piping (Ø42 (3/8" out hole))	
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(Block out hole)
9	Condensate Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 2"
11	Cooling Water Inlet	FPT 2"
12	Backside Inlet	
13	Installation Piping Hole	Ø 15.25

**RP-NP152W  
RP-NP152WE**

Cooling Capacity: 52.5kW  
Compressor Motor Output 6.4kWx2

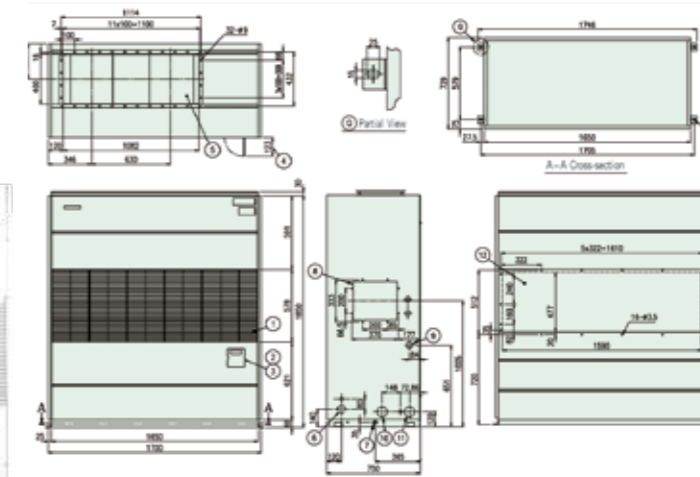


Item	Name	Note
1	Inlet Grille	
2	Electronic Control Panel	
3	Operation Cover	
4	Service Panel of Condenser Coil/Outdoor Unit	
5	Outdoor Grille	
6	Drain Hole for Piping (Ø42 (3/8" out hole))	
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(Block out hole)
9	Condensate Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 2"
11	Cooling Water Inlet	FPT 2"
12	Backside Inlet	
13	Installation Piping Hole	Ø 15.25

**RP-NP222W  
RP-NP222WE**

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



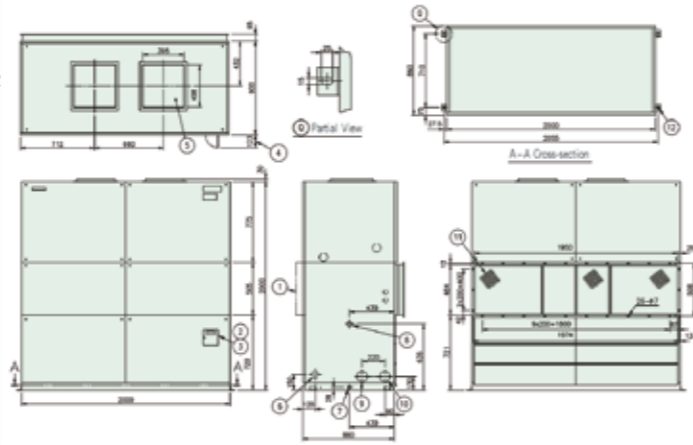
Item	Name	Note
1	Inlet Grille	
2	Electronic Control Panel	
3	Operation Cover	
4	Service Panel of Condenser Coil/Outdoor Unit	
5	Outdoor Grille	
6	Drain Hole for Piping (Ø42 (3/8" out hole))	
7	Emergency Drain	FPT 1/2"

Item	Name	Note
8	Fresh Air Inlet	(Block out hole)
9	Condensate Liquid Drain	FPT 1"
10	Cooling Water Outlet	FPT 2"
11	Cooling Water Inlet	FPT 2"
12	Backside Inlet	
13	Installation Piping Hole	Ø 15.25

## WATER-COOLED

### RP-NP302W RP-NP302WE

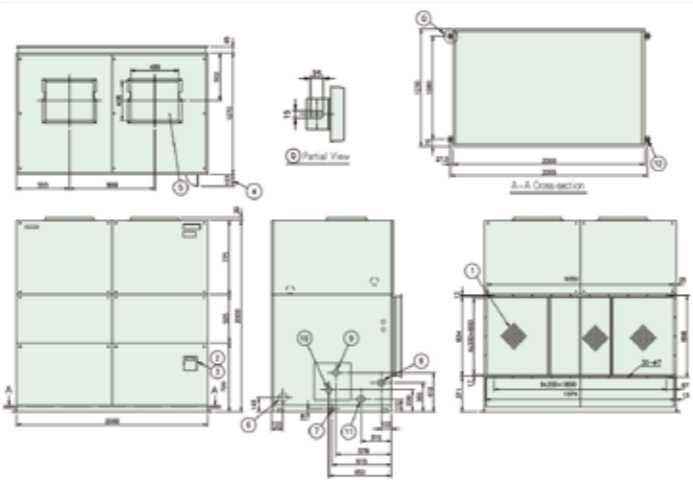
Cooling Capacity: 110kW  
Compressor Motor Output 11.9kWx2



Item	Name	Note	Item	Name	Note
1	Frontside Inlet		8	Condenser 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	Starting Switch of Operation		11	Refrigerant Inlet	
5	Outlet Grille		12	Installation Future Hole	Φ4-Φ15x25
6	Arrest Hole for Power Line	Φ80 (check 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	Frontside Inlet		8	Condenser 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	Starting Switch of Operation		11	Refrigerant Inlet	
5	Outlet Grille		12	Installation Future Hole	Φ4-Φ15x25
6	Arrest Hole for Power Line	Φ80 (check 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-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	1,060	950	1,060	1,250	1,240	1,400	1,240	1,400	1,850	1,400	1,850	1,700	1,980	2,000	1,850		
	Depth	mm	500	345	500	345	500	500	500	500	750	940	750	940	750	1,000	900+65	940		
	Height	mm	1,950	1,325	1,950	1,325	1,950	1,425	1,950	1,625	2,150	1,138	1,880	1,138	1,880	1,128	2,000+30	1,138		
	Separable Height	mm	1,730+250	—	1,730+250	—	1,730+250	—	1,730+250	—	1,880+300	—	—	—	—	—	1,365+665	—		
※Electrical Characteristics	Power Consumption	kW	4.80		4.74		7.33		9.5		14.6		15.6		22.86		32.67			
	Operation Current	A	22.5		14.4		23.4		30.3		46		48.4		70.5		100			
	Starting Current	A	134		129		188		121		171		188		188		305			
CSPF (KWh/KWh)	W/W	3.49		3.53		3.57		3.51		3.51		3.28		3.30		3.14				
Cooling Device	Compressor	Model	High Efficiency Fully Enclosed Scroll Compressor																	
		Power (Pole)	kW	—	3.8(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	0.322(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 <sup>3</sup> /min	44/38	50x2	44/38	50x2	66	160	88	160	130	420	130	420	180	410	260	420		
	External Static Pressure	Pa (mmAq)	0	—	0	—	0	—	0	—	0	—	50(5)	—	50(5)	—	80(8)	—		
	Automatic Direction of Rotation	Direction of Rotation	—	Left-Right Wind Direction Auto Sweep				—												
		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	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 <sup>2</sup>	2 Cores (1.25)			3 Cores (1.25)			6 Cores (1.25)						3 Cores x2 (1.25)					
Indoor and Outdoor Control Line	mm <sup>2</sup>	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°C and 19°C. Condenser Air Inlet is 35°C. 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°C DB/23°C WB  
Minimum: 19°C DB/13.5°C WB  
Condenser Intake Air Temperature: Maximum 43°C DB/Minimum 21°C DB

**AIR-COOLED SPECIFICATION TABLE (380V)**

Item		Model	RPS-NP52AE	RAC-NP52AE	RPS-NP82AE	RAC-NP82AE	RPS-NP102AE	RAC-NP102AE	RP-NP152AE	RCR-NP152AE	RP-NP152AEL	RCR-NP152AE	RP-NP222AE	RCR-NP222AE	RP-NP302AE	RCR-NP162AE/2	
※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	1,060	1,250	1,240	1,400	1,240	1,400	1,850	1,400	1,850	1,700	1,980	2,000	1,850	
	Depth	mm	500	345	500	500	500	500	750	940	750	940	750	1,000	9,00+65	940	
	Height	mm	1,950	1,325	1,950	1,425	1,950	1,625	2,150	1,138	1,880	1,138	1,880	1,128	2,000+30	1,138	
	Separable Height	mm	1,730+250	—	1,730+250	—	1,730+250	—	1,880+300	—	—	—	—	—	1,365+665	—	
※Electrical Characteristics	Power Consumption	kW	4.74		7.33		9.55		14.6		15.6		22.86		32.67		
	Operation Current	A	8.3		12.5		17.4		26.7		27.9		40		57.7		
	Starting Current	A	62		88		62		65		88		88		194		
CSPF (KWh/KWh)		W/W	3.53		3.57		3.51		3.51		3.28		3.30		3.14		
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)+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		AC 3Φ 380V 60Hz												
	Air Volume (High/Low)	m <sup>3</sup> /min	44/38	50x2	66	160	88	160	130	420	130	420	180	410	260	420	
	External Static Pressure	Pa (mmAq)	0	—	0	—	0	—	0	—	50(5)	—	50(5)	—	80(8)	—	
Automatic Direction of Rotation	Direction of Rotation	—	Left-Right Wind		Direction Automatic Scan										—		
	Motor Power	W	3		—										—		
Protective Devices		—	Current Overload Relay (Fan, except for RPS-NP52AE), hidden temperature switch (Fan, except for RPS-NP52AE), 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 + 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 + Φ9.53 + Φ12.7		Welding for Indoor Unit/Flare Nut for Outdoor Unit Φ15.88 + Φ15.88		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 <sup>2</sup>	2 Cores (1.25)		3 Cores (1.25)				6 Cores (1.25)				3 Coresx2 (1.25)				
	Indoor and Outdoor Control Line	mm <sup>2</sup>	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 is 27°C and 19°C. Condenser Air Inlet is 35°C. 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°C DB/23°C WB  
 Minimum: 19°C DB/13.5°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		AC 3Φ 220V 60Hz												
Dimensions	Width	mm	800	650	800	800	800	1,100	1,100	1,400	1,400	1,400	1,400	1,700	2,000	2,000	
	Depth	mm	500	450	500	500	500	500	500	500	500	750	750	750	900+65	1,270+65	
	Height	mm	1,990	1,750	1,990	1,990	1,770	1,990	1,770	1,990	1,770	2,150	1,850+30	1,850+30	2,000+30	2,000+30	
	Separable Height	mm	1,770+250	—	1,770+250	1,770+250	—	1,770+250	—	1,770+250	—	1,880+300	—	—	1,225+805	1,225+805	
※Electrical Characteristics	Power Consumption	kW	3.65	2.28	2.98	2.64	3.81	5.68	6.10	7.28	7.90	12.1	12.96	17.78	27.8	36.6	
	Operation Current	A	18.9	6.8	9.5	11.4	11.8	17.8	18.6	23.0	24.4	36.9	39.6	54.3	93.5	126.5	
	Starting Current	A	163	91	163	94	121	178	171	91	135	180	180	190	313	338	
CSPF (KWh/KWh)		W/W	4.59	4.59	4.92	4.60	4.40	4.61	4.29	4.60	4.24	4.54	4.24	4.24	4.14	4.00	
Cooling Device	Compressor	Model	High Efficiency Fully Enclosed Scroll 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)	0.322(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				AC 3Φ 220V 60Hz										
	Air Volume (High/Low)	m <sup>3</sup> /min	44/38	25/22	36/22	44/38	44	66	88	130	180	260	360				
	External Static Pressure	Pa (mmAq)	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)	m <sup>3</sup> /h	3.5	2.2	3.0	3.5	5.5	7.0	11.4	15.6	22.8	30.5					
	Head Loss	kPa (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	—	FPT1/2														
	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	1,200	

- 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 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 specifications in the table may be made without prior 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

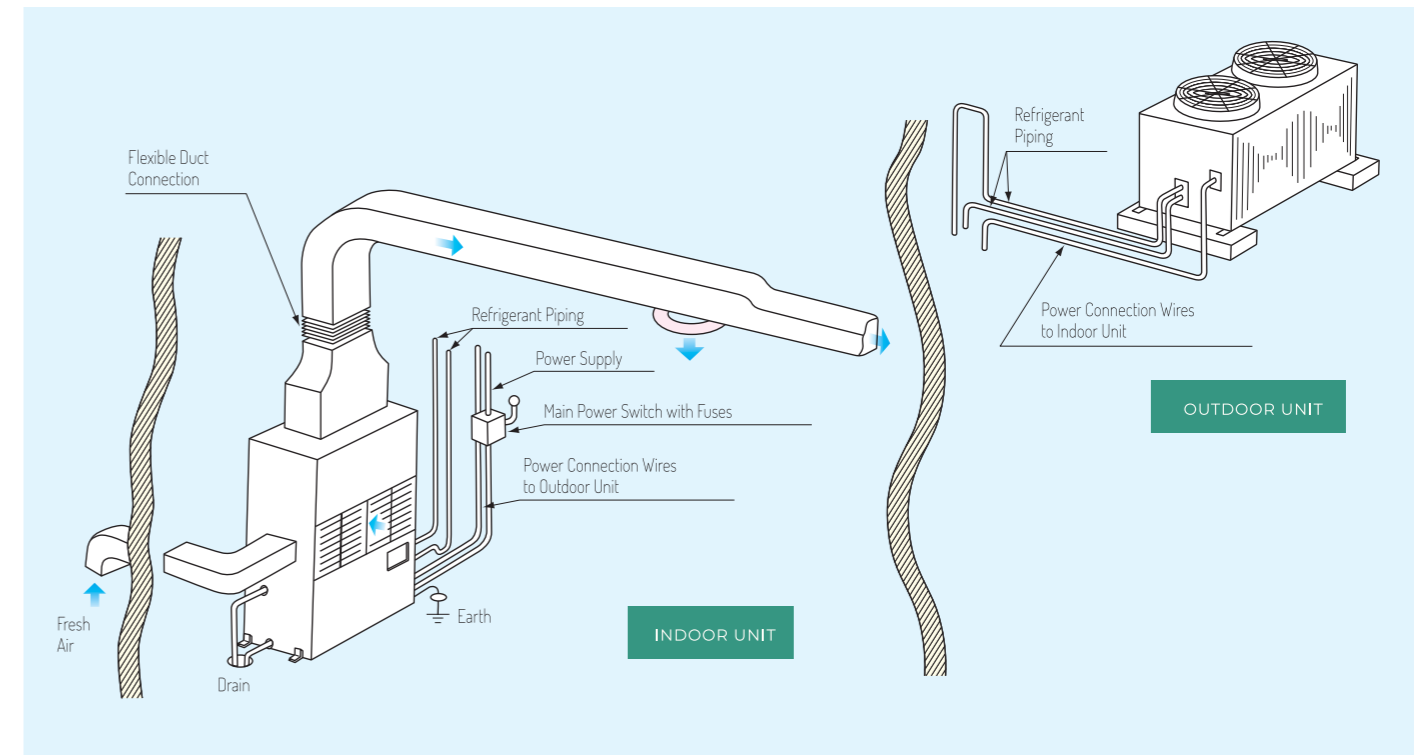
## WATER-COOLED SPECIFICATION TABLE (380V)

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	1,100	1,100	1,400	1,400	1,400	1,400	1,700	2,000	2,000	
	Depth	mm	500	500	500	500	500	500	750	750	750	900+65	1,270+65	
	Height	mm	1,990	1,770	1,990	1,770	1,990	1,770	2,150	1,850+30	1,850+30	2,000+30	2,000+30	
	Separable Height	mm	1,770+250	—	1,770+250	—	1,770+250	—	1,880+300	—	—	1,225+805	1,225+805	
※Electrical Characteristics	Power Consumption	kW	3.65	3.81	5.71	6.10	7.37	7.90	11.95	12.96	17.8	27.8	36.6	
	Operation Current	A	6.51	6.81	10.09	10.78	13.2	14.12	21.9	22.9	31.4	50.9	68.8	
	Starting Current	A	63	63	89	89	68	68	97	105	110	148	163	
CSPF (KWh/KWh)		W/W	4.59	4.40	4.58	4.29	4.55	4.24	4.60	4.24	4.24	4.14	4.00	
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)	$\frac{m^3}{min}$	44/38	44	66		88		130		180	260	360	
	External Static Pressure	pa (mmAg)	0	30(3)	0	30(3)	0	30(3)	0	50(5)	80(8)	80(8)	200(20)	
	Automatic Direction of Rotation	—	Left-Right Wind Direction Auto Sweep		—									
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)												
	Water Volume (at temperature of 30°C)	$\frac{m^3}{h}$	3.5		5.5		7.0		11.4		15.6		22.8	30.5
Cooling Water	Head Loss	kPa (mAg)	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		FPT2 1/2		
		Outlet	—	FPT1 1/4		FPT1 1/2		FPT2		FPT2		FPT2 1/2		
Product Weight		kg	190	185	260	250	340	325	470	450	630	810	1,200	

- Note:
- 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).
  - Electrical Characteristics are values obtained by testing at CNS conditions (specified above). For actual electrical properties, please apply a 1.2 multiplier.
  - Changes made to specification in the table may be made without notice.
  - 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

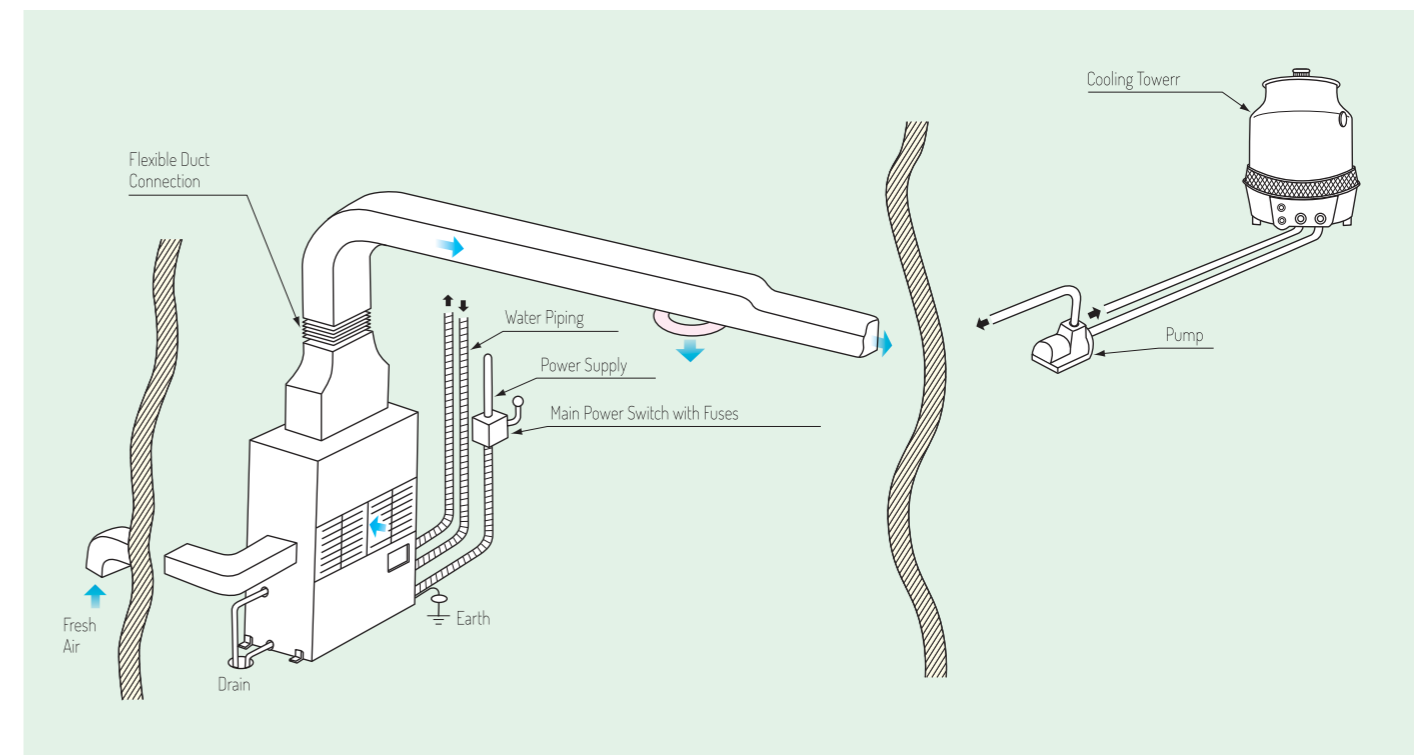
## AIR-COOLED

### AIR COOLED INSTALLATION FIGURE



## WATER-COOLED

### WATER COOLED INSTALLATION FIGURE



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