

## NEOMASTER

### Rooftop Packaged A/C

From 2 Tons to 4 Tons  
Single Phase

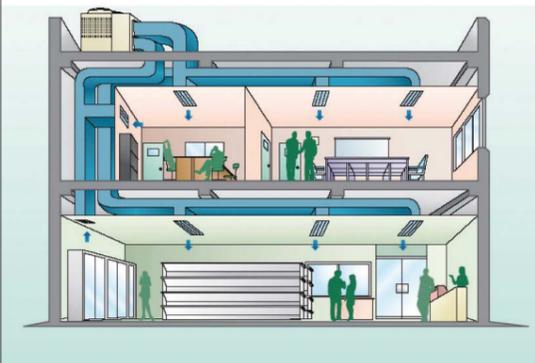


### Introduction

#### Rooftop Packaged Air Conditioner >>

It is so called "Rooftop" because the installation location for the unit is mostly on the roof top. It is firstly developed and popular in USA and then widely applied around Latin America and the whole world.

The unit is compact design, which combines the evaporating and condensing side in the same casing, making it a "Package". Compact design and easy installation are the main features. It is widely applied in facilities and buildings like offices, shopping malls, big factories, where massive and continuous cooling is required. It is also suitable for houses or stores where rooms and spaces are big and require high air flow. In some circumstances, where hospitals requires clean air handling or clear air quality, sections such as HEPA, Filters fan sections and so on could be included and customized.



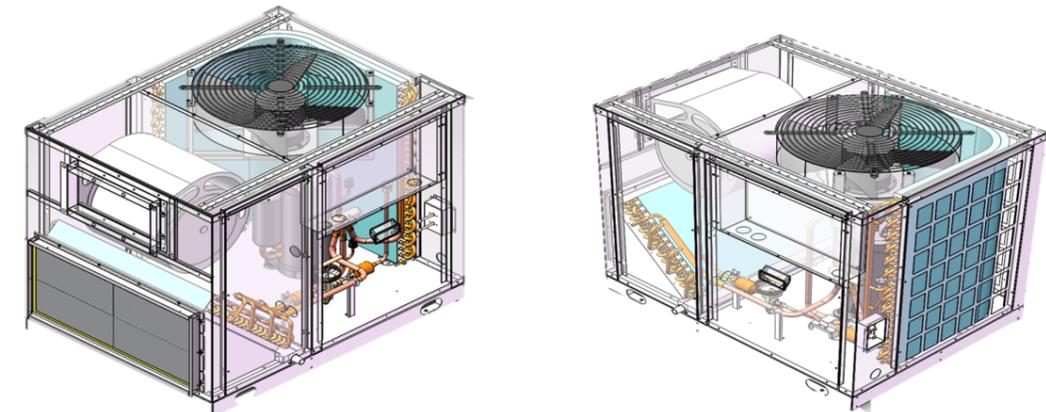
Indoor Air Duct Installation



Typical Installation

### SPECIFICATIONS

T1 Application, Cooling & Heating



Nominal ton*			2	3	3.5	4
Model			NAC-RF07CHA2/O	NAC-RF10CHA2/O	NAC-RF12CHA2/O	NAC-RF14CHA2/O
Power supply			220-2400V 1Ph~ 50Hz	220-2400V 1Ph~ 50Hz	220-2400V 1Ph~ 50Hz	220-2400V 1Ph~ 50Hz
Type			Side-discharge	Side-discharge	Side-discharge	Side-discharge
Cooling/Heating	Capacity	Btu/h	24,000/26,800	36,000/38600	42000/47800	48,000/51600
		kW	7.1/7.85	10.5/11.3	12.3/14.2	14/15.1
	Input	kW	2.32/2.45	3.45/3.55	4.18/4.35	4.55/4.62
	EER	Btu/h.W	10.0	10.0	10.0	10.0
Air flow	Indoor side	CFM	1,060	1,240	1,360	1,480
External static pressure		Pa	70	70	70	70
Max. power input		kW	4.23	5.89	5.9	6.1
Max. current		A	15.55	21	22	10.78
Compressor	Type / Quantity		Rotary/ 1	Rotary/ 1	Scroll / 1	Scroll / 1
	Brand		MITSUBISHI	MITSUBISHI	PANASONIC	PANASONIC
Indoor fan	Type / Drive type		Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct
Outdoor fan	Type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Wired controller			-	-	-	-
Centralized controller (Optional)			No	No	No	No
Sound pressure level		dB(A)	56	56	60	62
Ambient temperature			18°C - 46°C	18°C - 46°C	18°C - 46°C	18°C - 46°C
Dimension	Net (WxHxD)	mm	992x800x730	992x800x730	1,116x830x744	1,116x830x744
	Packing (WxHxD)	mm	1,050x855x765	1,050x855x765	1,152x855x765	1,152x855x765
Weight	Net / Gross	kg	106/115	120/131	146/149	150/153

Notes:

- Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 26.7°C DB / 19.4°C WB;
- Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and (1 meter + height of unit)/2 above the floor.
- Specifications are subject to change without prior notice for product improvement.
- \* Nominal ton only for reference.
- Cooling or heating capacity as per specifications.

# Rooftop A/C



## Features

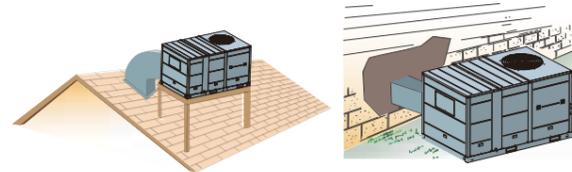
### Convenient for unit selection

#### Wide cooling capacity range >>

Wide cooling capacity range, from 24000Btu/h to 48000Btu/h.

#### Design flexibility >>

- ❖ Compact design.
- ❖ Flanges of air flow inlet and outlet as standard.
- ❖ It is suitable for installation in rooftop and ground.



### Outstanding reliability

#### Durable construction >>

- ❖ Pre-painted exterior cabinet panels pass 1000 hours Salt Spray Test for durability.
- ❖ Weather-resistant construction with capped steams and sloped top panels.
- ❖ G90 galvanized heavy gauge plate conforming to ASTM-A-653.



#### Customized anti-corrosion treatment >>

- ❖ The rooftop package air conditioners with special anti-corrosion treatment are suitable for seaside areas or the areas exposed to acidic substances.



- ❖ Special anti-corrosion treatment of heat exchanger provides 5 to 6 times greater resistance against acid rain and salt corrosion.
- ❖ All PCB parts in the unit are coated with double-side moisture proof paint. The outer side of electric box metal cover is spray-painted.
- ❖ All screws are anti-rust.
- ❖ Casings of the unit and motors are anti-rust.

### Reliable compressors >>

- ❖ Famous brand compressor: Mitsubishi, Panasonic etc. More reliable.
- ❖ No complex internal suction and discharge valves for quieter operation and higher reliability.
- ❖ Compact, light-weight design, and fewer moving parts design.



### Multi-protection design >>

- ❖ Multi-measurement to ensure units operate normally and reliably: System current protection, High/low pressure switch protection, Temperature sensor on/off protection, etc.
- ❖ Three-phase protector can be customized.



HP/LP switch

Temperature sensor

### Easy to installation

#### Convenient for wires connection >>

- ❖ Removable access door on the electric box. It is easy to move the cover of the electric box.
- ❖ Only connect the wires of power supply, and no need to connect any signal wires.



#### Easily connect the drainage pipe >>

- ❖ Reserved external drainage port, quickly and accurately connect the rubber drainage pipe.



### Easy to maintenance

#### External pressure gauge ports >>



- ❖ The unit provides external pressure gauge ports for convenient and fast checking system pressure without removing the panel.