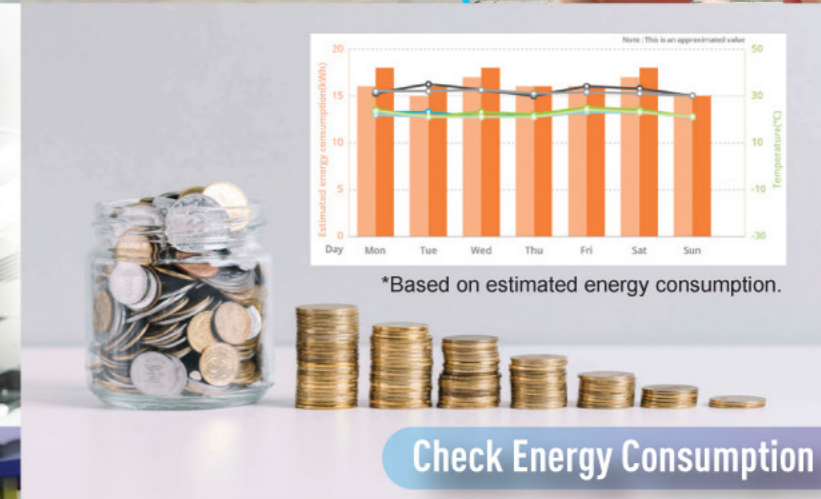


Panasonic

Scan here to learn more



PACKAGED AIR CONDITIONERS
NX SERIES DELUXE/STANDARD
2023/2024



**Building Passion,
Building Solutions.**
Panasonic Air Conditioning Systems

We face a time in which "quality air" differentiates business. It's a time for Panasonic to fully display its strengths. Our ability to assemble and build superior systems isn't just due to the rich resources we have as a comprehensive electronics manufacturer, but also to Panasonic's 100 years of tradition, where each person thinks and acts on their own initiative while working in a team to reach further heights. We do not compromise. Each of our independent selves is a one stop solution. We face our customers' challenges together with our customers and do all that we can to build effective systems. As a true partner for our customers, we strive to always be at the forefront of business.

- Please read the Installation Instructions carefully before installing the unit, and the Operating Instructions before using it.
- Specifications are subject to change without prior notice.
- The contents of this catalogue are accurate as of March 2023.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely for the purpose of illustrating a point.

Authorised Dealer

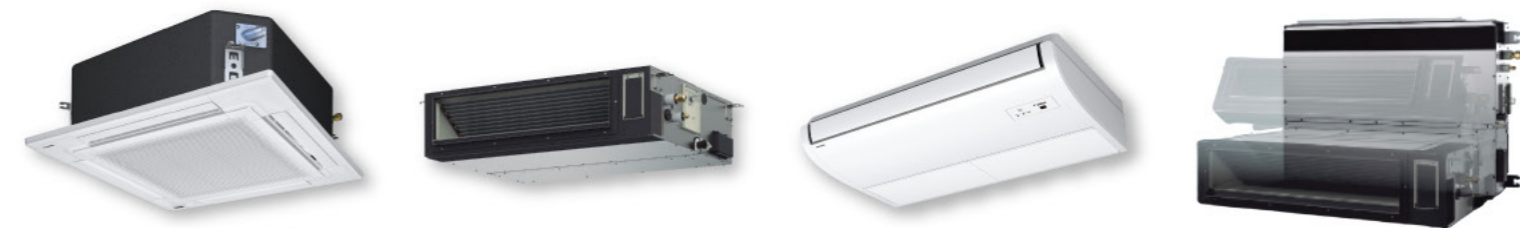


Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of other refrigerant.

PAC INVERTER CAMBODIA_MARCH_2023

**Branch of Panasonic Asia Pacific Pte. Ltd
Customers Care Centre**

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CONEX

R32
REFRIGERANT

Create Today. Enrich Tomorrow.

QUALITY AIR FOR LIFE

NX Series Product Lineup

4-WAY CASSETTE



The 4-way direction airflow provides wide and even cooling.

ADAPTIVE DUCTED



Flexible design depending on requirements. Suitable for premises with concealed or false ceilings.

CeILING SUSPENDED



Comfort and long-distance airflow distribution. Perfect for retail stores and schools.

Capacity [Btu/h]	17,100	20,500	24,200	27,600 / 29,000	34,100	42,700	45,500-47,800
4-Way Cassette DELUXE nanoEX CONEX Generator Mark3 NEW	S-1821PU3HA		S-2430PU3HA			S-3448PU3HA*	
4-Way Cassette STANDARD nanoEX CONEX Generator Mark2	S-1821PU3H		S-2430PU3H			S-3448PU3H*	
Adaptive Ducted DELUXE/STANDARD nanoEX CONEX Generator Mark2	S-1821PF3H		S-2430PF3H			S-3448PF3H*	
Ceiling Suspended DELUXE/STANDARD nanoEX CONEX Generator Mark2	S-1821PT3H		S-2430PT3H			S-3448PT3H*	
Outdoor DELUXE INVERTER R32 NEW	U-18PRH1H5	U-21PRH1H5	U-24PRH1H5	—	U-34PRH1H5	U-43PRH1H5	U-48PRH1H5
	—	—	—	—	—	U-43PRH1H8*	U-48PRH1H8*
Outdoor STANDARD INVERTER R32	U-18PR1H5	U-21PR1H5	U-24PR1H5	U-30PR1H5	U-34PR1H5	U-43PR1H5	U-48PR1H5
	—	—	—	—	—	U-43PR1H8*	U-48PR1H8*

*3-phase model newly added. Note: DELUXE and STANDARD Series indoor units can only be connected to outdoor units of the same series.

*** Indoor units are compatible with outdoor units of different capacities**

Differences between DELUXE and STANDARD 4-Way Cassette

The DELUXE and STANDARD series differ in terms of nanoEX™ effectiveness, energy efficiency and operating temperature.

Differences	DELUXE Series	STANDARD Series
nanoEX™	Generator Mark 3	Generator Mark 2
CONEX	Connectable	Connectable
COP	Ave. 4.15	Ave. 3.38
CSPF	Ave. 6.50	Ave. 5.80
Operation range	16 - 52°C	16 - 46°C
Piping length	5-50m for all range	24,200Btu or less: 5-30m 29,000Btu and above: 5-50m



Control Solution

Advantages of Panasonic IoT integration

Connect Panasonic CONEX wired remote controller with Bluetooth® and Wi-Fi functions. End-users can utilize Wi-Fi functions to change air conditioners' settings, check power consumption, and monitor up to 200 units from one smartphone.



Download Wi-Fi Application

In Cambodia market, one CONEX controller is packaged in each unit, which is needless to pay any additional costs.

CONEX Control



Users Control Purpose

Comfort Cloud App

- Remote operation via Wi-Fi
- Error code notifications through the App

Service Purpose

H&C Diagnosis App

- Obtain operation data via Bluetooth®
- Can be used with NX Series

Maintenance Purpose

H&C Control App

- Detailed operation setting via Bluetooth®
- Detailed maintenance setting via Bluetooth®

End users

Panasonic service & installers

Panasonic air conditioners are able to control up to 200 units/

Panasonic Comfort Cloud

Panasonic Comfort Cloud App is a solution to manage your air conditioners seamlessly with your mobile device at the next level.

- Connectable up to 200 units* with one device.
- Compatible for both residential and light commercial applications.

*10 different groups, with up to 20 units per group.



Air Quality Server
Operated by Panasonic



Now Available At
Google Play
App Store



* Wi-Fi router connection required.

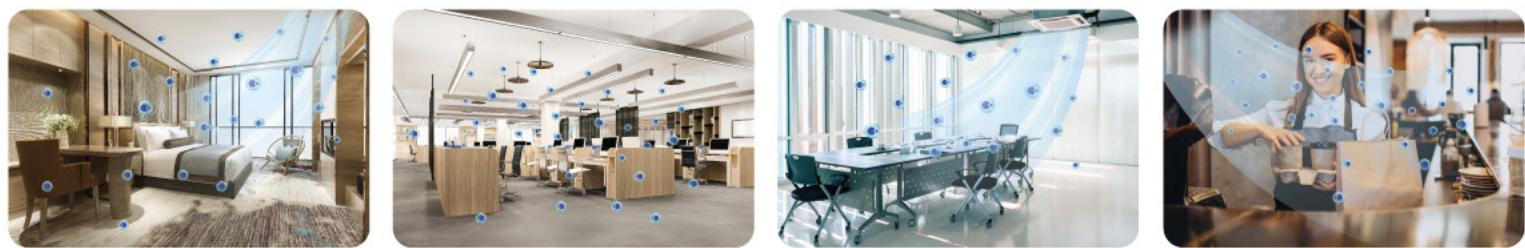
Applications of Packaged Air Conditioners

1. Applications of 4-Way Cassette



Office Hospital Coffee Shop Living Room

2. Applications of Adaptive Ducted



Hotel Office Meeting Room Coffee Shop

3. Applications of Ceiling Suspended



School Mini Mart Retail Store Super Market

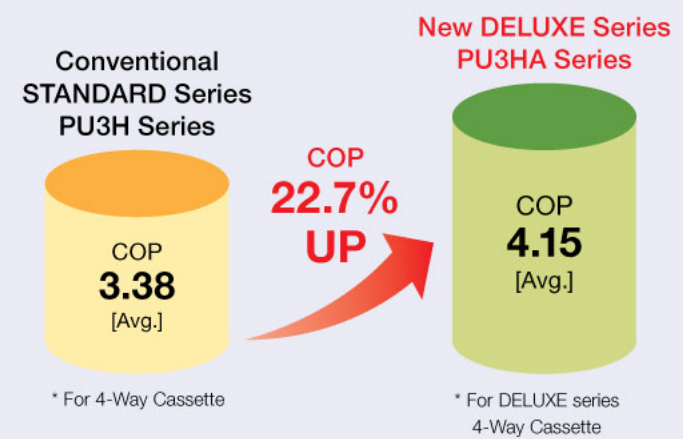
Product Features

High Energy Efficiency

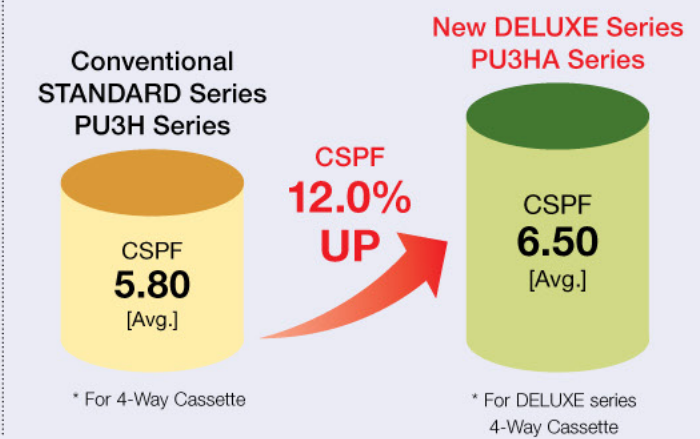
Save Power Consumption

NX series has two lineup, DELUXE and STANDARD. Choose series depending on requirements. For DELUXE series, the Coefficient of Performance has been significantly improved to reduce power consumption.

COP Comparison



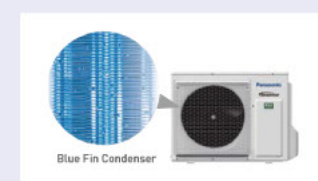
CSPF Comparison



Outdoor Unit

High Durability Outdoor Unit

All Panasonic heat exchangers feature our Blue Fin technology, which offers enhanced corrosion resistance compared to non-Blue Fin models.



In-house Manufactured Compressor

Panasonic all in-house manufactured compressors are supplied to the world. The cumulative total of high-quality compressors in use has reached 580 million units*.



Next Generation R32 Refrigerant

Compared to R22 and R410A, R32 has a very low potential impact on the depletion of the ozone layer and global warming.



Operation Temperature

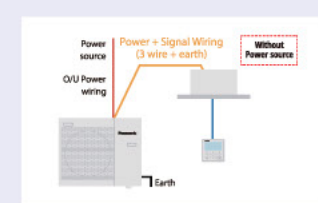
The operating range of the new NX series expanded up to outdoor air temperature of 52°C. Even in an extremely hot environment like Asian countries, they operate powerfully with its toughness.



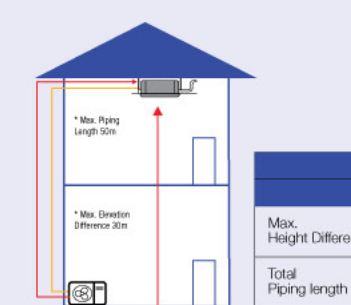
Installation

3 Wire Method

This NX series has been developed with 3 wire method and communication.



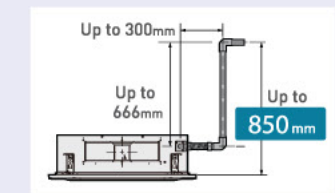
Piping Design Flexibility



	24,000 Btu or Less		29,000 Btu and Above	
	STANDARD	DELUXE	STANDARD	DELUXE
Max. Height Difference	20m	30m	30m	
Total Piping length	5-20m	5-30m	5-30m	5-30m

A Strong and quiet drain pump

The drain pump can pump water up to a height of 850mm, making drain pipe layout easy.
 *Support for 4-Way Cassette



Reasons to choose Panasonic Package Air Conditioners



4-Way Cassette

Powerful and comfortable airflow, wide flap, simple design. Nanoe™X Generator Mark3.



Adaptive Ducted

Flexible air supply, horizontal and vertical installation. Suitable for luxury interior designs.

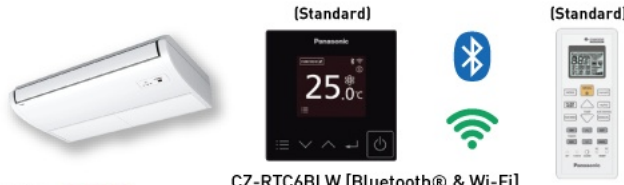


Ceiling Suspended

Comfortable and long-distance airflow. Easy installation and maintenance.

DELUXE / STANDARD CEILING SUSPENDED

- The slim design makes thickness only 235 mm.
- Compact looking, stylish, one-motion design.
- Comfortable, long-distance airflow distribution.



nanoeX
Generator Mark2



nanoeX
Generator Mark2

DELUXE **NEW**

CZ-RTC6BLW [Bluetooth® & Wi-Fi]

Specifications of R32 DELUXE Series **R32**

Capacity [Btu/h(Phase)]	17,100	20,500	24,200	34,100	42,700	42,700(3)	47,800	47,800(3)
Power Source	V/Phase Hz		220-240V, 1Ø Phase - 50Hz			380-415V, 3Ø Phase - 50Hz		
Indoor Unit	S-1821PT3H	S-1821PT3H	S-2430PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H
Outdoor Unit	U-18PRH1H5	U-21PRH1H5	U-24PRH1H5	U-34PRH1H5	U-43PRH1H5	U-43PRH1H8	U-48PRH1H5	U-48PRH1H8
Cooling Capacity: Rated [Min-Max]	kW		5.00 [1.80-6.00]		6.00 [1.80-6.30]		7.10 [1.80-8.00]	
	Btu/h		17,100 [6,140-20,500]		20,500 [6,140-21,500]		24,200 [6,140-27,300]	
Current: Rated [Max]	A		5.2-4.7 [9.1]		6.7-6.2 [11.0]		7.9-7.2 [12.0]	
Power Input: Rated [Min-Max]	kW		1.08 [0.27-1.43]		1.44 [0.27-1.72]		1.70 [0.25-2.15]	
CSPF	7.20		6.70		6.85		6.05	
COP/EER	W/W		4.63		4.18		4.05	
	Btu/h·W		15.83		14.24		13.81	
Indoor Unit								
Air Volume	m³/min		15.0		15.0		21.0	
	cfm		530		530		740	
Sound Pressure Level [Hi/L0]	dB [A]		38 / 29		38 / 29		40 / 32	
Sound Power Level [Hi/L0]	dB		56 / 47		56 / 47		58 / 50	
Dimension	Indoor [HxWxD]		mm		235 x 960 x 690		235 x 960 x 690	
Net Weight	Indoor		kg		26		26	
Outdoor Unit								
Sound Pressure Level	dB [A]		50		51		53	
Sound Power Level	dB		69		70		72	
Dimension	Outdoor [HxWxD]		mm		695 x 875 x 320		695 x 875 x 320	
Net Weight	kg		39		39		40	
Piping Connection	Gas Pipe		mm [inch]		12.70 [1/2]		12.70 [1/2]	
	Liquid Pipe		mm [inch]		6.35 [1/4]		6.35 [1/4]	
Pipe Length	Min-Max		m		5 - 50		5 - 50	
Elevation Difference	m		30		30		30	
Maximum Chargeless Length Max	m		30		30		30	
Additional Gas	g/m		15		15		15	
Operation Range, Outdoor	Min-Max		°C		16-52		16-52	

* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * DELUXE series indoor units can only be connected to outdoor units of the same series.

STANDARD

Specifications of R32 STANDARD Series **R32**

Capacity [Btu/h(Phase)]	17,100	20,500	24,200	29,000	34,100	42,700	42,700 (3)	45,500	45,500(3)	
Power Source	V/Phase Hz		220-240V, 1Ø Phase - 50Hz			380-415V, 3Ø Phase - 50Hz				
Indoor Unit	S-1821PT3H	S-1821PT3H	S-2430PT3H	S-2430PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	S-3448PT3H	
Outdoor Unit	U-18PR1H5	U-21PR1H5	U-24PR1H5	U-30PR1H5	U-34PR1H5	U-43PR1H5	U-43PR1H8	U-48PR1H5	U-48PR1H8	
Cooling Capacity: Rated [Min-Max]	kW		5.00 [2.00-5.60]		6.00 [2.00-6.30]		7.10 [2.00-7.80]			
	Btu/h		17,100 [6,820-19,100]		20,500 [6,820-21,500]		24,200 [6,820-26,600]			
Current: Rated [Min-Max]	A		5.9-6.2		8.4-9.0		8.9-9.7			
Power Input: Rated [Min-Max]	kW		1.33 [0.39-1.65]		1.92 [0.39-2.25]		2.75 [0.29-3.31]			
CSPF	6.18		5.65		5.51		5.86			
COP/EER	W/W		3.76		3.38		3.09			
	Btu/h·W		12.86		10.68		10.55			
Indoor Unit										
Air Volume	m³/min		15.0		15.0		21.0		21.0	
	cfm		530		530		740		740	
Sound Pressure Level [Hi/L0]	dB [A]		38 / 29		38 / 29		40 / 32		40 / 32	
Sound Power Level [Hi/L0]	dB		56 / 47		56 / 47		58 / 50		58 / 50	
Dimension	Indoor [HxWxD]		mm		235 x 960 x 690		235 x 960 x 690		235 x 960 x 690	
Net Weight	Indoor		kg		26		26		26	
Outdoor Unit										
Sound Pressure Level	dB [A]		50		51		53		55	
Sound Power Level	dB		69		70		72		74	
Dimension	Outdoor [HxWxD]		mm		619 x 824 x 299		619 x 824 x 299		695 x 875 x 320	
Net Weight	kg		29		29		33		48	
Piping Connection	Gas Pipe		mm [inch]		12.70 [1/2]		12.70 [1/2]		15.88 [5/8]	
	Liquid Pipe		mm [inch]		6.35 [1/4]		6.35 [1/4]		9.52 [3/8]	
Pipe Length	Min-Max		m		5 - 30		5 - 30		5 - 50	
Elevation Difference	m		20		20		20		30	
Maximum Chargeless Length Max	m		10		10		10		30	
Additional Gas	g/m		15		15		15		25	
Operation Range, Outdoor	Min-Max		°C		16-46		16-46		16-46	

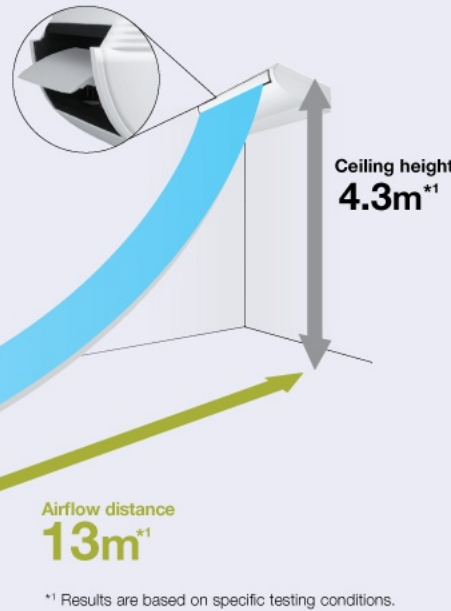
* Specifications are subject to change without notice. Please refer to technical documents for more details. * The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series.

Advantages of Ceiling Suspended

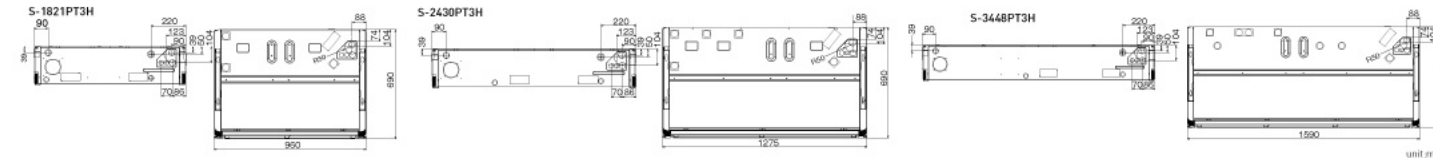
Comfortable, Long-Distance Airflow Distribution

The shape of the outlet has been optimised to provide long-distance airflow distribution.

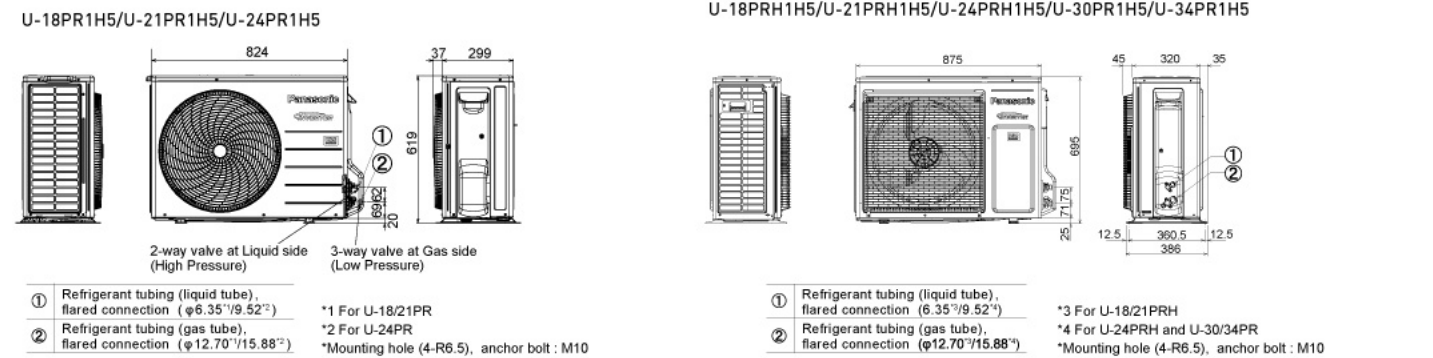
Even in long rooms, airflow reaches every corner for exceptionally comfortable air conditioning.



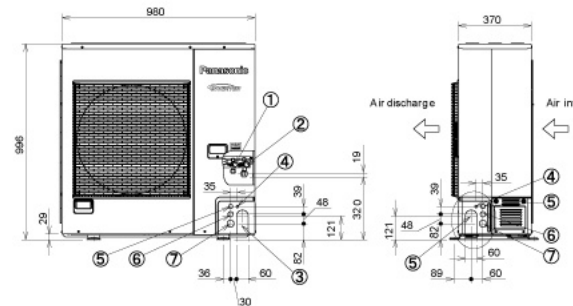
CEILING SUSPENDED Dimensions



OUTDOOR UNITS Dimensions



U-34PRH1H5/U-43PRH1H5/U-43PR1H5/U-43PRH1H8/U-43PR1H8 U-48PRH1H5/U-48PR1H5/U-48PRH1H8/U-48PR1H8



- ① Refrigerant tubing (liquid tube), flared connection (Ø9.52)
② Refrigerant tubing (gas tube), flared connection (Ø15.88)
③ Refrigerant tubing port
④ Electrical wiring port (Ø13)
⑤ Electrical wiring port (Ø22)
⑥ Electrical wiring port (Ø27)
⑦ Electrical wiring port (Ø35)
*Mounting hole (4-R6.5), anchor bolt: M10

unit:mm