Packaged Air Conditioning System

IVX —Japan Premium Model—

Stylish Design

Stylish Remote Controllers※

Press any of the operation buttons, and the backlight comes on to make the controller's screen easier to see.

The whole Power button lights up in green so the unit ON/OFF status can be recognized at a glance.

PC-ARF

on   off

The controller now features a simple arrow button to facilitate the main control such as "Temperature setting," "Fan mode," "Fan speed," "Operation mode," etc. Just press arrow bottom and to choose the item to control.

PSC-A64GT

Just touch the screen

Eazy control with 8.5 inch color touch panel
Its down-to-detail control functionalities, such as Weekly Scheduling, Accumulated Work Hours, etc., help you save energy.
Up to 64 remote-controlled groups and up to 160 indoor units can be connected to the single air-conditioning system.
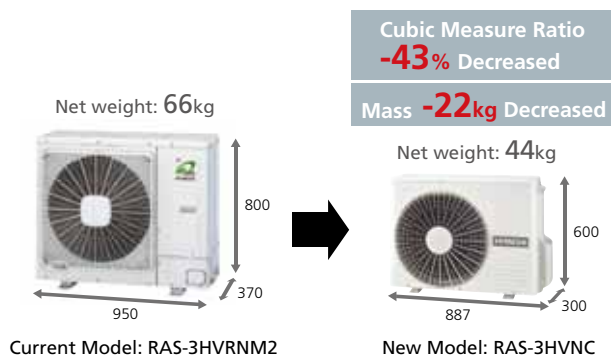
※ N series is not available.

Inconspicuous and Small
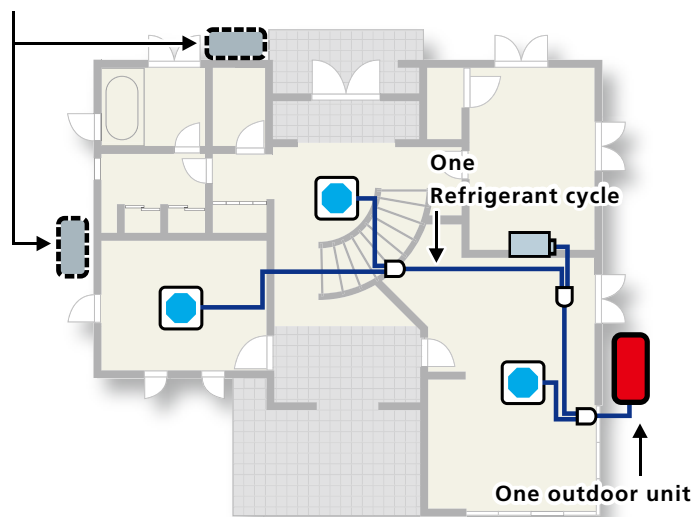
※ N series is not available.

Multiple indoor units can be connected to one outdoor unit, which is why fewer outdoor units are required.

This helps to save more installation space and so increases flexibility in installation location. ※

Lighter and smaller

Since it is lighter and smaller less installation space is reuquired, making it easier to access the machine for installation and subsequent maintenance.

Cubic Measure Ratio
-43% Decreased

Mass -22kg Decreased

Net weight: 66kg

800

370

950

Current Model: RAS-3HVRNM2

Net weight: 44kg

600

300

887

New Model: RAS-3HVNC

Reduction of installation area

One Refrigerant cycle

One outdoor unit

※ N series is not available.

Energy Saving

TOP Calss EER `IVX series`

4.0	4.0	3.4	3.6	3.4	3.3	3.4	3.2	3.1
2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0
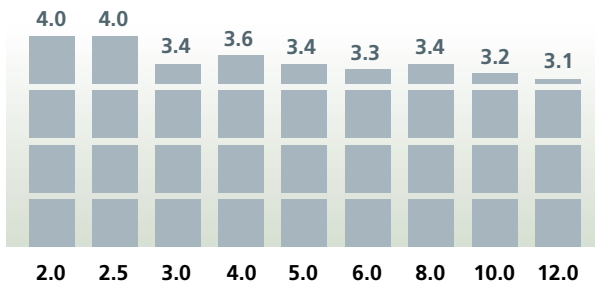
Easy central control `IVX series` `SET FREE` ※

EZ helps energy-saving in a more efficient way.

total wiring length within **1,000m**
(5,000m ※※)
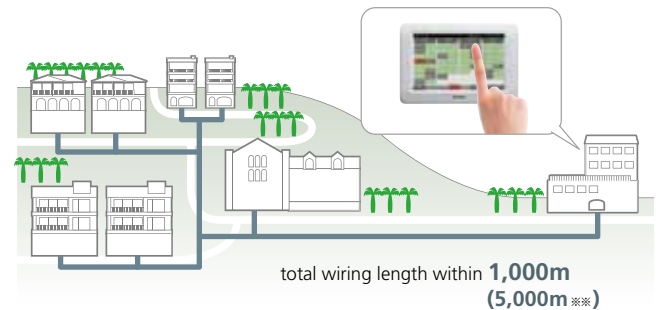
※ N series is not available.
※※ In case 4units of PSC-5HR are required.

Individual Operation `IVX series` `SET FREE` ※

Individual operation makes it possible to keep one room/ multiple rooms comfortably and efficiently air-conditioned.

OFF

ON

Low-load Area
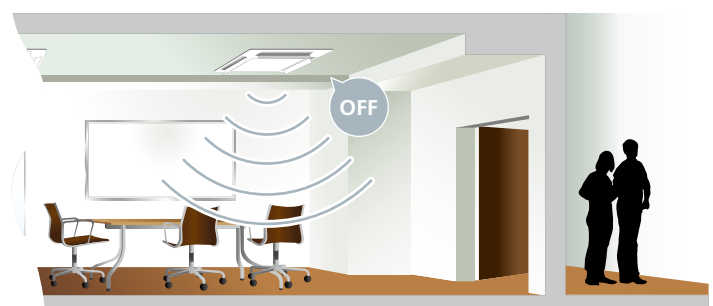
High-load Area
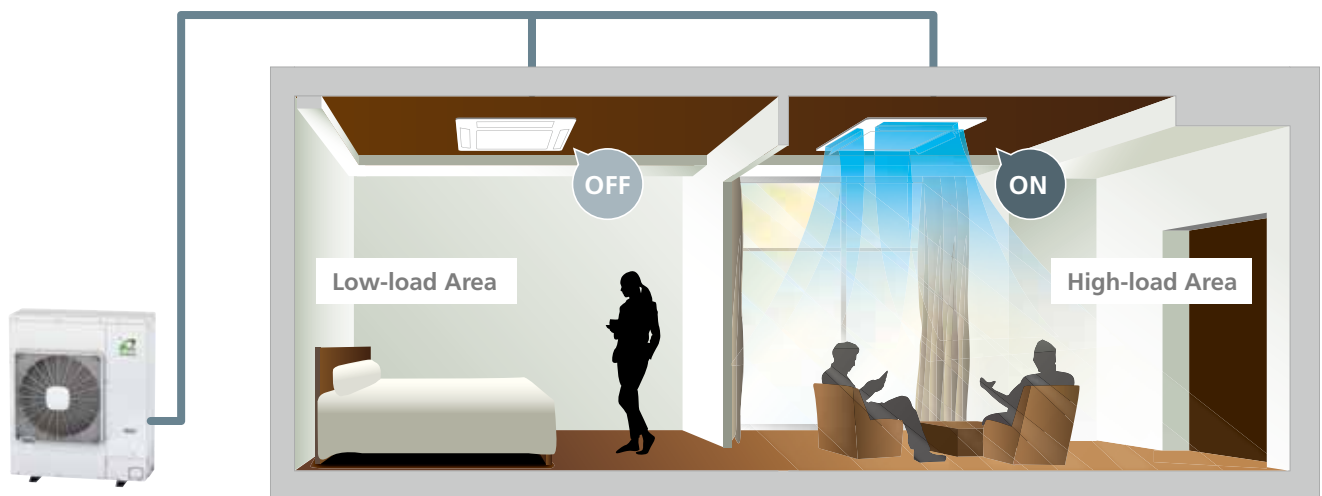
※ N series is not available.

Motion sensor control (Optional) `RCI-FSN3` `RPC-FSN3` ※

The air conditioning capacity is saved automatically depending on a situation and detecting amount of human activity by adopting the motion sensor on the corner of the air panel. The energy-saving can be improved more with the individual operating function. In addition, the operation can be stopped automatically if the absent situation continues for more than 30 minutes.
The motion sensor allows maintaining the comfortable indoor environment and eliminating the unnecessary operation.

OFF

※ In case P-AP160NAE is required.

Powerful and Silent

The air flow volume setting function "HIGH 2" is adopted to existing air flow volumes of "HIGH", "MED" and "LOW".

Max. 4.2m

## Air flow volume (4Way Cassette Type)

(Hi/Me/Lo) (dB)

HP	RCI-FSN3	RCIM-FSN3	RCI-FSN1Q	RCI-FNQ
1.0	30/28/27	36/34/32	32/30/28	
1.3	-	-	32/30/28	
1.5	30/30/27	38/35/33	32/30/28	
1.8	-	-	32/30/28	
2.0	32/30/27	42/39/37	32/30/28	32/30/28
2.3	-	-	32/30/28	
2.5	36/32/28	-	32/30/28	32/30/28
3.0	36/32/28	-	34/32/30	32/30/28
3.3	-	-	34/32/30	
4.0	43/39/33	-	41/36/33	42/37/34
5.0	45/40/35	-	43/38/35	43/38/35
6.0	46/41/37	-	44/40/36	
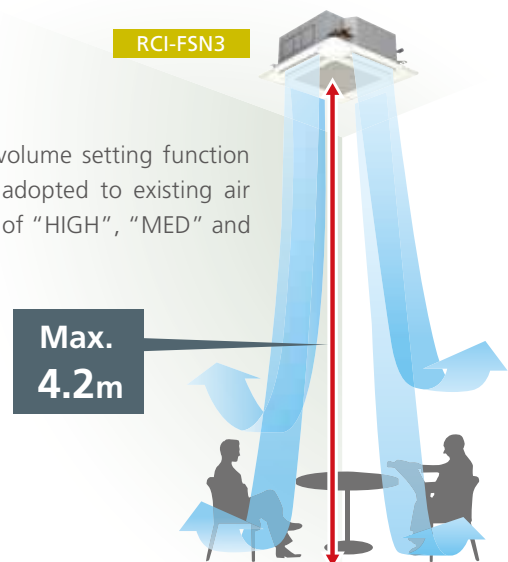
Supported Ceiling Height
(In the case of 4 air flow directions)

	Air Flow Volume Mode	1 to 3HP	4 and 5HP
Standard (00)	HIGH	2.7m	3.2m
High Speed Mode (C5)	HIGH 2	3.5m	4.2m

Installation Flexibility

Facilitation and flexibility on installation are further advanced by adopting outdoor unit's light weight and compact design.
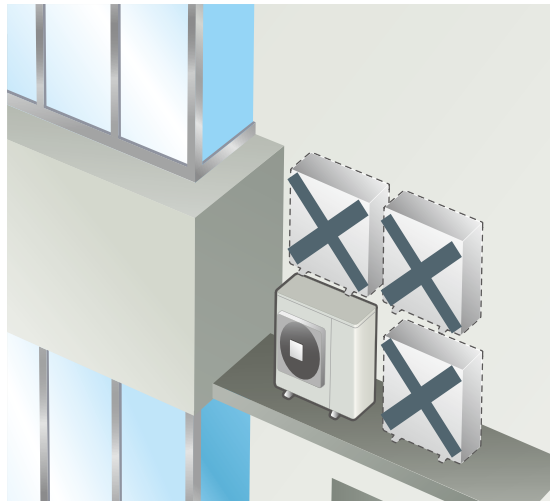
Improved flexibility of design by increasing the max piping length.

Max. piping length

Height diffirence between outdoor and indoor units
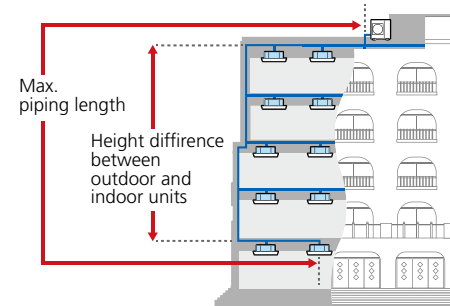
Piping Length

IVX Series (HP)	2	2.5	3	4	5	6	8	10	12
Max	50	50	50	70	75	75	100	100	100
Chargeless	30	30	20	20	30	30	30	30	30
ODU-IDU Hight Diffirence (ODU Higher/Lower)	30/20	30/20	30/20	30/20	30/20	30/20	40/30	40/30	40/30

SETFREE (HP)	4	5	6	8	10	12
Max	60	60	120	125	125	125
ODU-IDU Hight Diffirence (ODU Higher/Lower)	30/20	30/20	30/30	50/40	50/40	50/40

N Series (HP)	1	1.5	2	2.5	3	4	5
Max	10	10	20	20	20	50	50
Chargeless	5	5	5	5	5	5	5
ODU-IDU Hight Diffirence	5	5	5	10	10	20/15	20/15

Reliability

In 1983, Hitachi invented the first air conditioning scroll compressor in the world and owned the patent.
More than 30 years' professional experience in development and manufacturing of scroll compressor ensures more advanced technology, higher quality and stronger reliability.

Hitachi High Efficiency Scroll Compressor IVX series ※

Slewing Bearing

New Drive Mechanism

Main/Sub Bearings

Asymmetric Scroll Lap

DC inverter motor

Oil Feeding Structure

Trochoid pump
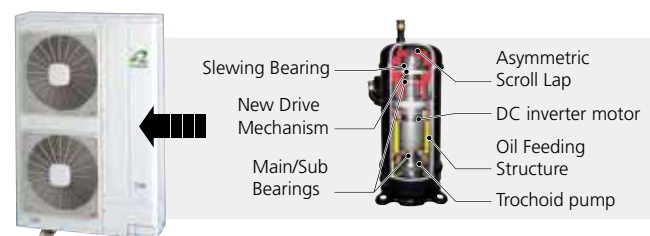
※ RAS8~12HRNM

Line-Up

IVX series | Inverter Type | Japan premium model

Outdoor Unit			RAS-2HVNP	RAS-2.5HVNP	RAS-3HVNC	RAS-4HVNC1	RAS-5HVNC1	RAS-6HVNC1	RAS-8HRNM	RAS-10HRNM	RAS-12HRNM
Cooling Capacity		kW	5.0	5.6	7.1	10.0	12.5	13.0	20.0	25.0	30.0
Capacity Range (min.-max.)		kW	2.2−5.6	2.2−6.3	3.2−8.0	4.5−11.2	5.7−14.0	6.0−16.0	9.0−22.4	11.2−28.0	13.5−33.5
Power Supply			AC1ϕ, 220−240/50Hz						AC3ϕ, 380−415/50Hz		
EER			4.03	3.97	3.41	3.64	3.37	3.26	3.36	3.21	3.10
Outer Dimensions	Height	mm	600	600	600	1,140	1,140	1,140	1,650	1,650	1,650
	Width	mm	792	792	792	950	950	950	1,100	1,100	1,100
	Depth	mm	300	300	300	370	370	370	390	390	390
Net Weight		kg	43	43	44	79	89	89	168	168	171
Piping Diameter	Liquid	ϕ	6.35	6.35	9.52	9.52	9.52	9.52	9.53	12.7	12.7
	Gas	ϕ	12.7	12.7	15.88	15.88	15.88	15.88	25.4	25.4	25.4

SETFREE | Inverter Type

Outdoor Unit			RAS-4HRNAM1Q	RAS-5HRNAM1Q	RAS-6HRNAM1Q	RAS-8HRNAM1Q	RAS-10HRNAM1Q	RAS-12HRNAM1Q
Cooling Capacity		kW	10.4	12.9	16.0	22.4	28.0	33.5
Power Supply			AC1ϕ, 220−240/50Hz			AC3ϕ, 380−415/50Hz		
EER			3.64	3.39	3.60	3.56	3.37	3.13
Outer Dimensions	Height	mm	800	800	1,380	1,650	1,650	1,650
	Width	mm	950	950	950	1,100	1,100	1,100
	Depth	mm	370	370	370	390	390	390
Net Weight		kg	84	84	97	168	168	171
Piping Diameter	Liquid	ϕ	9.53	9.53	9.53	9.53	12.7	12.7
	Gas	ϕ	15.88	15.88	15.88	19.05	22.2	25.4

N series | Fixed speed Type

Outdoor Unit			RAS-1.0HNQ	RAS-1.5HNQ	RAS-2.0HNQ	RAS-2.5HNQ	RAS-3.0HNQ	RAS-4.0HNQ	RAS-5.0HNQ
Cooling Capacity		kW	2.5	3.5	5.0	6.3	7.2	10.0	12.5
Power Supply			AC1ϕ, 220−240/50Hz						
EER			3.21	2.94	3.11	2.61	2.76	2.89	3.08
Outer Dimensions	Height	mm	570	570	640	800	800	1,240	1,240
	Width	mm	800	800	900	950	950	850	850
	Depth	mm	260	260	300	370	370	315	315
Net Weight		kg	32	36	45	68	68	100	100
Piping Diameter	Liquid	ϕ	6.35	6.35	6.35	9.53	9.53	9.53	9.53
	Gas	ϕ	9.53	12.7	12.7	15.88	15.88	15.88	15.88

4-Way Cassette | **4-Way Cassette mini** | **2-Way Cassette** | **In-the-ceiling** | **Wall Mounted** | **Ceiling** | **Floor Concealed** | **Floor**

IVX series — Inverter Type

Indoor Unit / Capacity (HP)	4-Way Cassette RCI-FSN3	4-Way Cassette mini RCIM-FSN3	2-Way Cassette RCD-FSN2	In-the-ceiling RPI-FSN2	Wall Mounted RPK-FSNSM3	Wall Mounted RPK-FSNSH3 (without EXV)	Ceiling RPC-FSN3	Floor RPF(I)-FSN2E
0.8	–	–	–	●	–	–	–	–
1.0	●	●	●	●	●	●	–	●
1.5	●	●	●	●	●	●	●	●
2.0	●	●	●	●	●	–	●	–
2.5	●	–	●	●	●	–	●	–
3.0	●	–	●	●	●	–	●	–
4.0	●	–	●	●	●	–	●	–
5.0	●	–	●	●	–	–	●	–
6.0	●	–	–	–	–	–	●	–
8.0	–	–	–	●	–	–	–	–
10.0	–	–	–	●	–	–	–	–

SETFREE — Inverter Type

Indoor Unit / Capacity (HP)	4-Way Cassette RCI-FSNQ	2-Way Cassette RCD-FSN2	In-the-ceiling RPI-FSNQH	In-the-ceiling (Low-height) RPIZ-FSN1Q	Slim In-the-ceiling RPIZ-FSNQS	Wall Mounted RPK-FSNQS	Ceiling RPC-FSN3	Floor RPF-FSN2E	Floor Concealed RPFI-FSN2E
0.8	–	–	●	●	●	●	–	–	–
1.0	●	●	●	●	●	●	–	●	●
1.3	●	–	●	●	●	●	–	–	–
1.5	●	●	●	●	●	●	●	●	●
1.8	●	–	●	●	–	●	–	–	–
2.0	●	●	●	●	–	●	●	–	●
2.3	●	–	●	●	–	●	–	–	–
2.5	●	●	●	●	–	●	●	–	●
3.0	●	●	●	–	–	–	●	–	–
3.3	●	–	●	–	–	–	–	–	–
4.0	●	●	●	–	–	–	●	–	–
5.0	●	●	●	–	–	–	●	–	–
6.0	●	–	●	–	–	–	●	–	–
8.0	–	–	●	–	–	–	–	–	–
10.0	–	–	●	–	–	–	–	–	–

N series — Fixed speed Type

Indoor Unit / Capacity (HP)	4-Way Cassette RCI-FNQ	In-the-ceiling RPI-FSNQH	In-the-ceiling (Low-height) RPIZ-HNQ
1.0	–	–	●
1.5	–	–	●
2.0	●	–	●
2.5	●	–	●
3.0	●	●	●
4.0	●	●	–
5.0	●	●	–

Wireless Remote Control Switch — Standard

 PC-LH3A

Remote Controllers

Wired

PC-ARF | PC-AR | PC-ARH (Half Size)

Wireless

PC-LH3A PC-LH3B

CS-NET

Central Station EZ | **Central Station DX**

HITACHI

◎Hitachi Appliances, Inc.

URL : http://www.hitachi-ap.com

Distributed By :