

Come Home to
Better Comfort



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Specifications in this catalog are subject to change without prior notice to keep abreast with continuous product innovations for our customers' benefit.

RASCT-2001

HITACHI



AIR COOLED SPLIT SYSTEM
DUCT TAPE
AIR CONDITIONER



Flexible Air Conditioning for Virtually Any Environment

CONVERTIBLE STRUCTURE FOR FLEXIBILITY

By changing the mutual combination of the compartments or by remounting the fan assembly, the unit can be placed vertically or horizontally.

HIGH PERFORMANCE EVAPORATOR



Equipped with a multi-blade centrifugal fan, the evaporator creates high static pressure and smooth airflow while using minimal power. It also features an adjustable motor pulley that covers a wide range of fan speeds.

ADVANCED SCROLL COMPRESSOR



Hitachi's patented scroll compressor generates quick cooling, less vibrations and lower energy for virtually uninterrupted cooling operation.

OTHER FEATURES:

- Evaporator Fan Bearings can be removed easily without removing the fan.
- High Performance Air Filter and Filter Box are optional.

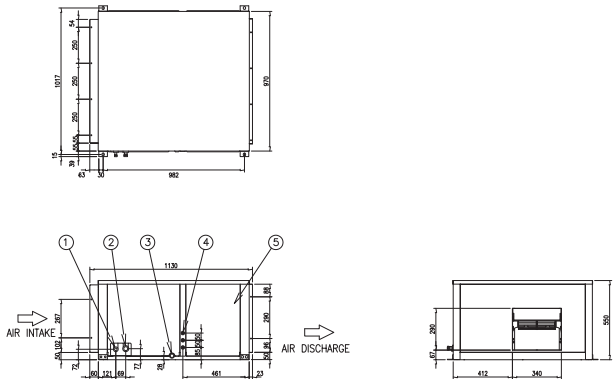


R410A has the chemical properties of being non-toxic, odorless, colorless and non-flammable so it does not damage the ozone layer. This is how Hitachi shows its genuine concern for the environment while catering to the needs of customers.

UNIT DIMENSION (INDOOR UNIT)

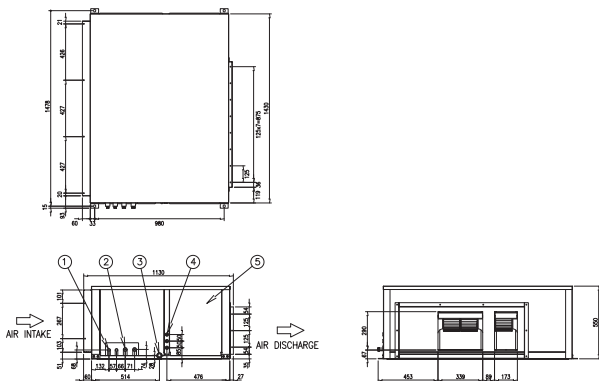
COOLING UNITS

RAS-NP8US



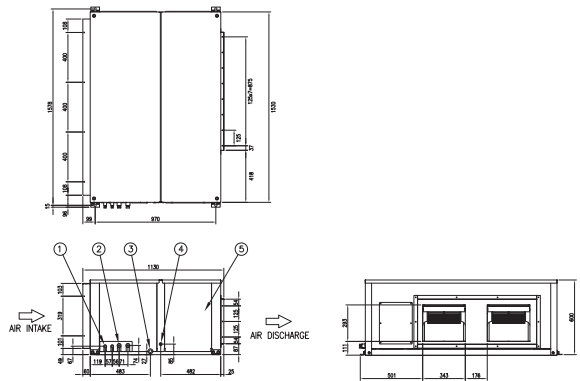
Mark	Name
1	Liquid Refrigerant Connection
2	Gas Refrigerant Connection
3	Condensate Drain Connection
4	Connection Holes for Power/ Circuit Wing
5	Service Panel for Magnetic Switch Box & Indoor Motor

RAS-NP10US



Mark	Name
1	Liquid Refrigerant Connection
2	Gas Refrigerant Connection
3	Condensate Drain Connection
4	Connection Holes for Power/ Circuit Wing
5	Service Panel for Magnetic Switch Box & Indoor Motor

RAS-NP15US

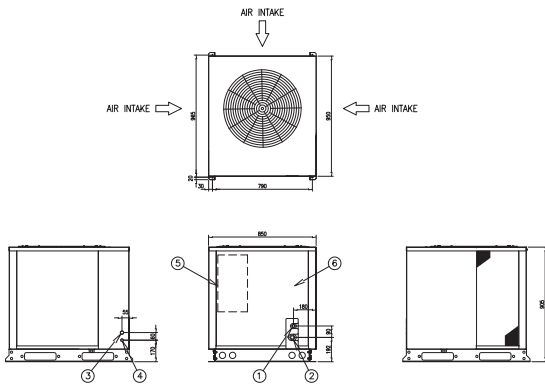


Mark	Name
1	Liquid Refrigerant Connection
2	Gas Refrigerant Connection
3	Condensate Drain Connection
4	Connection Holes for Power/ Circuit Wing
5	Service Panel for Magnetic Switch Box & Indoor Motor

UNIT DIMENSION (OUTDOOR UNIT)

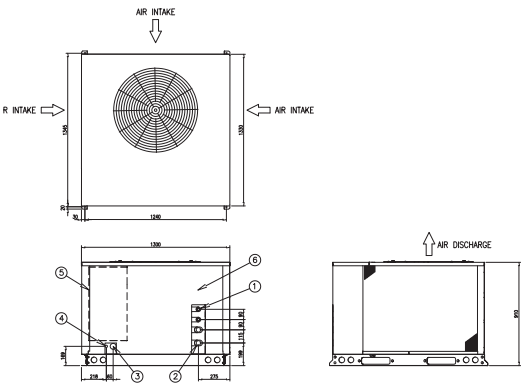
CONDENSING UNITS

RAS-NP8CTS



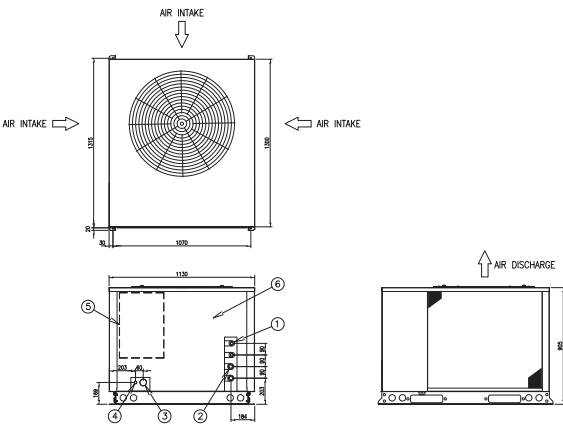
Mark	Name
1	Liquid Refrigerant Connection
2	Gas Refrigerant Connection
3	Connection Hole for Power Supply Wiring
4	Connection Hole for Operation Circuit Wiring
5	Magnetic Switch Box
6	Service Panel for Magnetic Switch Box and Compressor

RAS-NP15CTS



Mark	Name
1	Liquid Refrigerant Connection
2	Gas Refrigerant Connection
3	Connection Hole for Power Supply Wiring
4	Connection Hole for Operation Circuit Wiring
5	Magnetic Switch Box
6	Service Panel for Magnetic Switch Box & Compressor

RAS-NP10CTS



Mark	Name
1	Liquid Refrigerant Connection
2	Gas Refrigerant Connection
3	Connection Hole for Power Supply Wiring
4	Connection Hole for Operation Circuit Wiring
5	Magnetic Switch Box
6	Service Panel for Magnetic Switch Box and Compressor

GENERAL UNIT DATA

COOLING UNIT

Model			RAS-NP8US	RAS-NP10US	RAS-NP15US
Outer Dimension	Height	mm	550	550	600
		in	21 2/3	21 2/3	23 5/8
	Width	mm	1,130	1,430	1,530
		in	44 1/2	56 2/7	60 1/4
	Depth	mm	970	1,130	1,130
		in	38 1/5	44 1/2	44 1/2
Net Weight		kg	130	140	165
		lbs	287	309	364
Evaporator	Type		Multi-Pass Cross-Finned Tube		
	Fan		Multi-Blade Centrifugal Fan (Double Suction)		
	Nominal Air Flow	m²/min	69	90	130
		m²/s	1.15	1.5	2.17
		L/s	1,150	1,500	2,170
		cfm	2,440	3,180	4,590
	Motor	kW	0.75	1.5	2.2
		hp	1	2	3
Quantity		1	1	1	
Piping Connection	Type		Brazing Connection		
	Liquid Line Sized (O.O.)	mm	ϕ 12.7	ϕ 12.7	ϕ 12.7
		in	1/2	1/2	1/2
	Quantity		1	2	2
	Type		Brazing Connection		
	Gas Line Sized (O.O.)	mm	ϕ 22.2	ϕ 19.05	ϕ 22.2
		in	7/8	3/4	7/8
Quantity		1	2	2	
Condensate Drain	Type	PPT	Female Piping Thread Screw		
	Size		3/4	3/4	3/4
	Quantity		1	1	1
Wiring Hole	Type		Knockout Hole		
	Depth	mm	ϕ 20	ϕ 20	ϕ 20
		in	25/32	25/32	25/32
Net Weight		kg	140	150	170
		lbs	309	331	375
Outer Dimension	Height	mm	660	690	750
		in	26	27 1/6	29 1/2
	Width	mm	1,180	1,615	1,670
		in	46 1/2	63 4/7	65 3/4
	Depth	mm	1,020	1,180	1,180
		in	40 1/6	46 1/2	46 1/2
Measurements		m²	0.79	1.31	1.48

GENERAL UNIT DATA

COOLING CAPACITY ACCORDING TO UNIT COMBINATION

Model	Cooling Unit		RAS-NP8US	RAS-NP10US	RAS-NP15US
	Condensing Unit		RAS-NP8CTS	RAS-NP10CTS	RAS-NP15CTS
Normal Cooling Capacity at 35 C outdoor		kcal/h	19,500	27,300	40,500
		W	22,700	31,800	47,200
		Btu/h	77,400	108,300	160,900

CONDENSING UNIT

Model			RAS-NP8CTS	RAS-NP10CTS	RAS-NP15CTS
Capacity Control		%	100,0	100, 50, 0	100, 50, 0
Cabinet			Synthetic Resin Painted Galvanized Steel		
Color			Beige		
MUNSELL Code			2.5Y 8/2		
Outer Dimension	Height	mm	810	905	910
		in	31 8/9	35 5/8	35 5/6
	Width	mm	950	1,300	1,300
		in	37 2/5	51 1/6	51 1/6
	Depth	mm	850	1,130	1,330
		in	33 1/2	44 1/2	52 1/3
Net Weight		kg	150	220	275
		lbs	331	485	606
Refrigerant			R410A		
Flow Control			Capillary Tube		
Number of Circuits			1	2	2
Compressor	Type		Hermetic Scroll		
	Model		EB55DH	E5050H	E855DH
	Quantity		1	2	2
Condenser Fan	Type		Multi-Pass Cross-Finned Tube		
	Fan		Propeller Fan		
	Motor (60Hz)	kW	0.3	0.4	0.4
		hp	2/5	1/2	1/2
	Quantity		1	1	1
Piping Connection	Liquid Line Sized (O.O.)	mm	ϕ 12.7	ϕ 12.7	ϕ 12.7
		in	1/2	1/2	1/2
	Type		Flare	Flare	Flare
	Quantity		1	2	2
	Gas Line Sized (O.O.)	mm	ϕ 22.2	ϕ 19.05	ϕ 22.2
		in	7/8	3/4	7/8
	Type		Flange	Flare	Flange
	Quantity		1	2	2
Wiring Hole	Type		Knockout Hole		
	Main	mm	ϕ 26	ϕ 52	ϕ 52
		in	1 1/32	2 1/16	2 1/16
Shipping Weight		kg	160	230	285
		lbs	353	507	628
Approximate Packing List	Height	mm	935	950	955
		in	36 4/5	37 2/5	37 3/5
	Width	mm	1,010	1,360	1,350
		in	39 3/4	53 1/2	53 1/7
	Depth	mm	900	1,180	1,390
		in	35 3/7	46 1/2	54 5/7
Measurements		m²	0.85	1.52	1.79

*Knockout Hole