

When technology meets comfort

Residential



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The sum of perfection

Air conditioning plays a fundamental role in your well-being at home as well as at work.

It not only achieves the desired temperature, it also increases your indoor air quality. Selecting the most suitable system is key to maximising performance and optimising comfort.

Air treatment, low sound levels, guaranteed energy savings and easy installation of the indoor units make the Toshiba residential range the top choice for any home.

We know that a perfect unit is the sum of perfection in every detail.

Solutions that are studied and verified in every tiny element are recognised universally by air conditioning professionals for their total reliability.

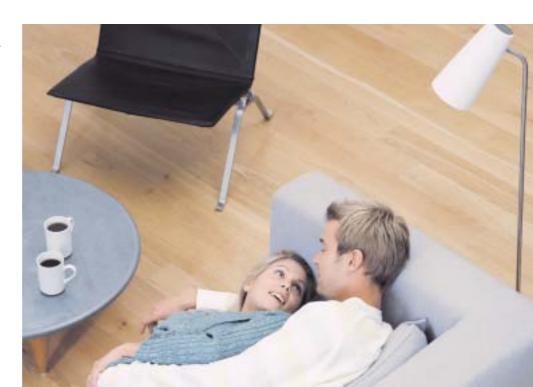
Well-being and beyond

All Toshiba's R-410A residential products have been designed to offer the best possible comfort to users.

The air filtration systems provide filtered indoor air at all times. In fact, the high-wall units grant high energy savings and unmatched indoor air quality.

Thanks to a modern design, the indoor units also look elegant and blend beautifully with any room interior.

They incorporate all the features a user can require: silent, discreet and unobtrusive, they deliver high energy efficiency and complete air purification.





A passion for innovation

Toshiba was the first company to incorporate inverter technology into air conditioning systems in 1981, and since then it has always maintained a technological advantage over its competitors.

The development of the new and exclusive DC hybrid inverter system has reaffirmed this ability to innovate and maintain technological leadership in a fast-growing market.

But for Toshiba, innovation also means a strong commitment to international institutions that carefully evaluate the impact of new technologies on our environment. Toshiba combines technological development with care for future generations: the result is a range of extremely energy-efficient air conditioners, reducing greenhouse gas emissions at source.

Toshiba's continuous research developed PWM technology, which is used together with the traditional PAM control.

The application of these two distinct technologies allows total control of performance and energy use.



The ultimate expression of inverter technology

Toshiba DC hybrid inverter technology controls the capacity supplied by the air conditioner.

By modifying the supply current frequency or intensity, it ensures smooth linear variation of the rotation speed and capacity of the compressor – the heart of the air conditioner.

This allows the cooling and heating capacities to be matched to the actual operating conditions required.

When the room temperature is different from the set point temperature or desired temperature, the air conditioner operates at maximum capacity, ensuring that a comfortable temperature will be reached quickly.

Once the desired temperature is reached, the inverter precisely adjusts the capacity to maintain a stable temperature close to the set point.

Filtration, purification, innovation: excellent indoor air quality

True quality in the residential environment goes beyond control of the air filtration.

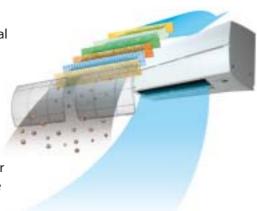
With Toshiba residential air conditioners, air quality is guaranteed by many stages of filtration and additional functions such as pre-treatment, removal of fine particles, viruses, bacteria and allergens for total purification.

Electrostatic purification also guarantees a basic cost advantage, as

there are no ongoing replacement part costs.

Thanks to a complete and exceptional air treatment process, a pure and healthy environment is assured.

Furthermore, the high-walls are equipped with special filtration systems that remove odours and pollutants and prevent mould formation, granting enhanced indoor air quality and perfect comfort in the home.



Nothing escapes a Toshiba filter!

Plasma Air Purifier

The Plasma Air Purifier absorbs and eliminates particles and pollutants such as dust, pollen, mould spores and viruses.

It also deodorises air (removing tobacco odours, garbage smells etc.).

It's extremely effective: it can collect particles as small as $0.001 \mu m$ and is 10 times faster than standard filters.



Super Oxi Deo

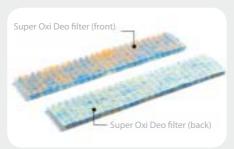


This is a combination of **Coffee Bean** extract, Vitamin C and Super Zeolite filters. It works as Anti Oxidant and deodoriser.

Coffee Bean has anti-aging and anti-oxidant properties.

Vitamin C protects skin by neutralising free radicals that could harm skin and its components.

Super Zeolite (combining Zeolite and Titanium Dioxide) deodorises and cleans the air, removing chemicals and odours.



Super Sterilizer



This is a complete system, comprising Super Ginko, Byo Enzyme and Sasa filters.

Super Gingko reduces agents that can cause allergic reactions.

Bio Enzyme traps and removes bacteria, viruses and mould.

Sasa (Bamboo grass) is effective in deactivating bacterial viruses that cause illness.



The perfect answer from the experts

Toshiba has been studying, designing and creating innovative air conditioning systems for over 30 years and as a result can offer the highest performance on the market.

Following this philosophy, Toshiba has always succeeded in creating products that provide top performance, active air purification, superior COP and extraordinary energy savings.

Good news for our wallet!

Quality has always been Toshiba's strength and will remain the trademark that will differentiate Toshiba air conditioners from those of other manufacturers.

Toshiba products offer exceptional performance.

In addition, since the government introduced energy labeling to highlight the actual energy consumption of goods, Toshiba products proudly display, in the main, the precious green A.

This means high energy savings!



Good news for the environment!

Toshiba has anticipated legislation on the control of refrigerant emissions to the atmosphere and, to show its clear commitment to respecting the environment, it is carrying out continuous research and improvement.

Toshiba's residential systems use only R-410A, the high efficiency non-ozone depleting refrigerant.



The style of technology

Toshiba has always paid attention to aesthetics and design, particularly for residential products.

We know that the end users are looking for a sophisticated system that is also reliable, efficient and quiet.

Technology needs to be combined with design.

Following this philosophy, Toshiba created compact and unobtrusive residential indoor units that blend with any room interior.

The high-walls are very stylish and modern; thanks to the flat panels and the elegant details, the units suit any kind of interior decor.

The flexi unit is totally unobtrusive: it can be installed in two positions, either at low floor level like a radiator or beneath the ceiling. It has an elegant profile, making it suitable for many rooms.







The importance of being silent

Knowing the importance of low noise levels for the user, we have created unobtrusive and discreet systems, able to operate without any disturbance, for your family and your neighbours.

In fact, Toshiba managed to achieve very low noise levels for both the indoor and the outdoor units, granting absolute and total comfort.





All the functions of your comfort

In order to offer total and exceptional comfort to our customers, Toshiba has always tried to create the most complete and advanced remote control, able to meet the highest expectations.

To achieve this challenging objective, extensive market research has been carried out to highlight the preferred settings of European users.

In this way, enhanced and personalised comfort is granted.

- One Touch Personal Comfort: there is no need to select any setting

 Toshiba has already memorised the preferred setting, changeable, should you so desire.
- One Touch Preset: users can easily store their preferred settings (operating mode, temperature, timer, louver, fan speed and hipower).
- Quiet mode: the indoor unit will operate at ultra low fan speed, reaching extraordinary low noise levels.

- Auto Diagnosis: this is a system that constantly monitors functions and components and makes maintenance very easy.
- Eco-logic: with this function, it is possible to have comfort combined with energy savings (up to 25% compared to standard operation).
- Hi-Power: with extra air flow the desired temperature is quickly reached.





Residential range - single-split systems

OUTDOOR UNIT:











	Constitution.	CO. 2250	CONTROL OF	COLUMN TO SERVICE	CONTROL OF
sizes	10	13	16	18	24
Inverter					
ī ī	RAS-10SAVP-E RAS-B10SKVP-E	RAS-13SAVP-E RAS-B13SKVP-E	RAS-16SAVP-E RAS-B16SKVP-E		
	RAS-10SAV-E RAS-10SKV-E	RAS-13SAV-E RAS-13SKV-E	RAS-16SAV-E RAS-16SKV-E		
Fixed-speed					
	RAS-10GAH-ES2 RAS-10GKHP-ES2	RAS-13GAH-ES2 RAS-13GKHP-ES2		RAS-18GAH-ES2 RAS-18GKHP-ES2	RAS-24GAH-ES2 RAS-24GKHP-ES2

			Residential range -	multi-split system
at Pump systems				
	2 rc	ooms	3 rooms	4 rooms
OUTDOOR UNIT:	RAS-M14GAV-E	RAS-M18GAV-E	RAS-3M26GAV-E	RAS-4M27GAV-E
SKVP	sizes 10 & 13	sizes 10, 13 & 16	sizes 10, 13 & 16	sizes 10, 13 & 16
SKV	sizes 10 & 13	sizes 10, 13 & 16	sizes 10, 13 & 16	sizes 10, 13 & 16
GDV	sizes 10 & 13	sizes 10, 13 & 16	sizes 10, 13 & 16	sizes 10, 13 & 16
		sizes 10, 13 & 16	sizes 10, 13 & 16	sizes 10, 13 & 16 (permitted with conditions
SM_UT				

AG+ PLASMA AIR PURIFIER
SINGLE/MULTI-SPLIT
DC HYBRID INVERTER



Super Daiseikai The third generation of Daiseikai perfection

Savings ...

With its A/A class and an EER of 5.1 (size 10), this high-wall is a supreme champion in energy saving: 35% more than a standard A-class inverter.

In addition, thanks to its twin-rotary compressor, it can operate at very low speeds (minimum cooling capacity is 0.5 kW), consuming only 100 W.

... purification ...

This exceptional indoor unit is equipped with an Ag + Plasma Air Purifier, a complete filtration system that deodorises air, removes bacteria and provides a pure and healthy environment.

... and design!

With its compact dimensions and its modern design, the Super Daiseikai is very discreet and unobtrusive. Its exclusive silver sides give it an additional touch of elegance.



		Technical spe	ecifications single/m u	lti-split heat pump
Outdoor unit		RAS-10SAVP-E	RAS-13SAVP-E	RAS-16SAVP-E
Indoor unit*		RAS-B10SKVP-E	RAS-B13SKVP-E	RAS-B16SKVP-E
Cooling capacity	kW	2.50	3.50	4.50
EER	W/W	5.10	4.12	3.33
Energy efficiency class, cooling		A	A	A
Heating capacity	kW	3.20	4.20	5.50
COP	W/W	5.08	4.42	3.69
Energy efficiency clas, heating		A	A	A
Indoor unit		RAS-B10SKVP-E	RAS-B13SKVP-E	RAS-B16SKVP-E
Sound pressure level, cooling (h/l)	dB(A)	42/27	43/27	45/29
Sound power level, cooling (h/l)	dB(A)	57/42	58/42	60/44
Sound pressure level, heating (h/l)	dB(A)	43/27	44/27	45/29
Sound power level, heating (h/l)	dB(A)	58/42	59/42	60/45
Dimensions (H x L x D)	mm	250 × 790 × 208	250 × 790 × 208	250 × 790 × 208

PURE INDOOR AIR WITH 7 IN 1 FILTRATION SYSTEM

SINGLE/MULTI-SPLIT

A/A CLASS DC ROTARY INVERTER



This inverter high-wall operates at the lowest sound levels in its category. It is A-class (for both sizes 10 and 13) and, with the DC rotary Inverter, it provides high energy savings: 20% more than a standard A-class fixed-speed model.

SKV



Purity ... without compromise!

Toshiba's 7-in-1 filtration system helps stop impurities from reaching you and your family.

With this advanced system, the air passes through several filters and becomes purer, fresher and healthier, ensuring optimised comfort in your home.



- Vitamin C neutralises free radicals that could harm skin
- Super Zeolite removes odours
- Coffee bean has anti-oxidant properties



- Super Gingko reduces agents that cause allergic reactions
- Bio Enzyme removes bacteria, viruses and mould
- Sasa helps deactivate bacterial viruses

		Techr	nical specifications single	/multi-split heat pun
Outdoor unit		RAS-10SAV-E	RAS-13SAV-E	RAS-16SAV-E
Indoor unit		RAS-10SKV-E	RAS-13SKV-E	RAS-16SKV-E
Cooling capacity	kW	2,50	3,50	4,50
EER	W/W	3,33	3,27	2,82
Energy efficiency class, cooling		А	A	С
Heating capacity	kW	3,20	4,20	5,30
COP	W/W	3,72	3,72	3,42
Energy efficiency class, heating		А	A	В
Indoor unit		RAS-10SKV-E	RAS-13SKV-E	RAS-16SKV-E
Sound pressure level, cooling (h/l)	dB(A)	38/29	39/26	45/30
Sound power level, cooling (h/l)	dB(A)	51/42	52/39	58/43
Sound pressure level, heating (h/l)	dB(A)	40/30	40/28	45/31
Sound power level, heating (h/l)	dB(A)	53/43	53/41	58/44
Dimensions (H x L x D)	mm	250 × 740 × 195	275 × 790 × 205	275 × 790 × 205

Fixed speed indoor units

EFFICIENT AIR FILTRATION
SYSTEM

COMPACT AND ELEGANT

HI-POWER AND AUTO
DIAGNOSIS FUNCTIONS

GKHP – Fixed-speed high-wall Elegant and efficient unit

This high-wall is compact and slimline and easily blends with any interior decor.

It is the slimmest unit in the Toshiba range: 25% smaller and 30% lighter (for sizes 7 and 10).

It is equipped with a complete and efficient filtration system, that includes Zeolite Plus, Sasa filters and the Vitamin C filter, which has useful anti-oxidant properties.

				Technical specifi	cations heat pump
Outdoor unit		RAS-10GAH-ES2	RAS-13GAH-ES2	RAS-18GAH-ES2	RAS-24GAH-ES2
Indoor unit		RAS-10GKHP-ES2	RAS-13GKHP-ES2	RAS-18GKHP-ES2	RAS-24GKHP-ES2
Cooling capacity	kW	2.73	3.78	5.03	6.30
EER	W/W	3.25	3.23	2.68	2.55
Energy efficiency class, cooling		Α	A	D	E
Heating capacity	kW	2.94	4.23	5.50	6.85
COP	W/W	3.63	3.65	3.20	2.81
Energy efficiency class, heating		Α	A	С	D
Outdoor unit		RAS-10GAH-ES2	RAS-13GAH-ES2	RAS-18GAH-ES2	RAS-24GAH-ES2
Sound pressure level, cooling/heating	dB(A)	47/47	49/49	52/53	56/57
Sound power level, cooling/heating	dB(A)	60/60	62/62	65/66	69/70
Dimensions (H x L x D)	mm	$550 \times 780 \times 290$	550 × 780 × 290	550 × 780 × 290	715 × 780 × 290

				Technical specific	cations heat pump
Indoor unit		RAS-10GKHP-ES2	RAS-13GKHP-ES2	RAS-18GKHP-ES2	RAS-24GKHP-ES2
Sound pressure level (h/l)	dB(A)	41/31	41/31	44/35	45/37
Sound power level (h/l)	dB(A)	54/44	54/44	57/48	58/50
Dimensions (H x L x D)	mm	$250 \times 740 \times 185$	275 × 790 × 218	298 × 998 × 220	298 × 998 × 220
Outdoor unit		RAS-10GAH-ES2	RAS-13GAH-ES2	RAS-18GAH-ES2	RAS-24GAH-ES2
Operating range, cooling	°C	15 to 43	15 to 43	15 to 43	15 to 43
Operating range, heating	°C	-10 to 24	-10 to 24	-10 to 24	-10 to 24

Technology in multi-split systems



For premises that require air conditioning in more than one room, the Toshiba multi-split system is the ideal solution.

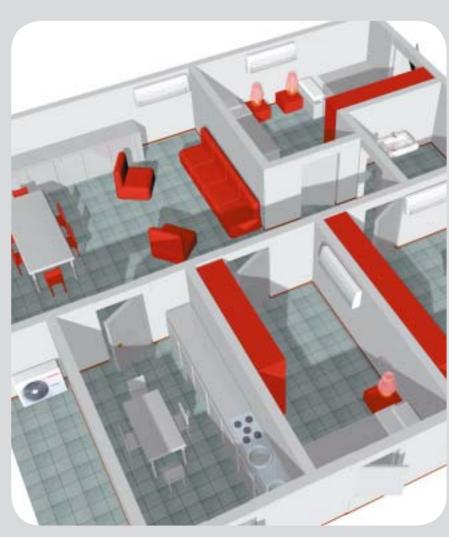
One outdoor unit is capable of operating two, three or four indoor units.

They are compact and elegant and designed to blend in with any room interior.

Toshiba offers a wide range of possibilities to create all the comfort you desire.

The full range of indoor units can satisfy every kind of need: it includes unobtrusive ducted units and modern high walls, that provide high-tech, sophisticated design and complete air filtration at the same time.

The efficient inverter systems are composed of high quality components: control electronics, motor, compressor. Toshiba solutions are universally recognised by air conditioning professionals for their total reliability.



LOW NOISE LEVELS

MULTI-SPLIT

SLIM DESIGN FOR AN EASY AND FLEXIBLE INSTALLATION



GDV – Inverter ducted Reliable and unobtrusive solution

This ducted multi-split inverter unit offers reliable and controllable comfort all year round.

It is compact (only 230 mm high) and operates quietly, granting optimum and absolute well-being: with one outdoor unit serving up to four indoor units.

The indoor units ensure immediate comfort and total discretion.

An easy-to-use infra-red remote control allows a complete control. A wired control is available as an option.

				heat pump system
Indoor unit		RAS-M10GDV-E	RAS-M13GDV-E	RAS-M16GDV-E
Air flow, cooling (h/l)	m³/h (l/s)	720/400 (200/111)	780/428 (217/119)	780/428 (217/119)
Sound pressure level, cooling (h/l)	dB(A)	31/23	32/24	33/25
Sound power level, cooling (h/l)	dB(A)	44/36	45/37	46/38
Air flow, heating (h/l)	m³/h (l/s)	720/400 (200/111)	780/428 (217/119)	780/428 (217/119)
Sound pressure level, heating (h/l)	dB(A)	32/24	33/25	34/26
Sound power level, heating (h/l)	dB(A)	45/37	46/33	47/34
Dimensions (H x L x D)	mm	230 × 750 × 440	230 × 750 × 440	230 × 750 × 440
Weight	kg	19	19	19

STYLISH DESIGN AND COMPACT DIMENSIONS, TO SUIT ALL STANDARD GRIDS MULTI-SPLIT EASY MAINTENANCE

SM_UV – New inverter cassette Compact and discreet

This new four-way cassette has been designed to suit all the standard 600×600 mm grid ceilings, for easy installation and maintenance, thanks also to the simple access to the electrical box by removing the suction grille.

Its compact and stylish panel design makes this unit discreet and unobtrusive.

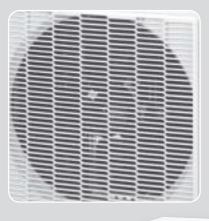
The cassette is equipped with infrared remote control, as standard.

				heat pump system
Indoor unit		RAS-M10SMUV-E	RAS-M13SMUV-E	RAS-M16SMUV-E
Air flow, cooling (h/l)	m³/h (l/s)	588/432 (163/120)	618/432 (172/120)	660/450 (183/125)
Sound pressure level, cooling (h/l)	dB(A)	37/30	38/30	40/31
Sound power level, cooling (h/l)	dB(A)	52/45	53/45	55/46
Air flow, heating (h/l)	m³/h (l/s)	588/432 (163/120)	618/432 (172/120)	660/4550 (183/125)
Sound pressure level, heating (h/l)	dB(A)	37/30	38/30	40/31
Sound power level, heating (h/l)	dB(A)	52/45	53/45	55/46
Dimensions (H x L x D)	mm	268 × 575 × 575	268 × 575 × 575	268 × 575 × 575
Weight	kg	15	15	15

See the complete technical table on page 23

DC HYBRID INVERTER

MULTI-SPLIT



GAV Multi-split outdoor unit Multiplied technology and comfort

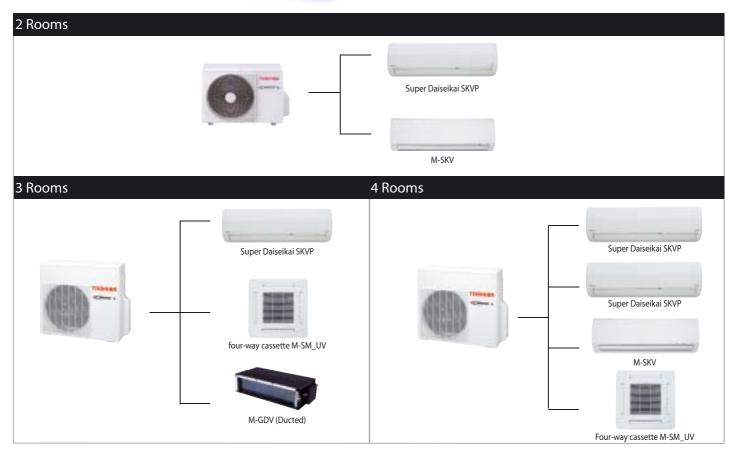
Toshiba multi-split outdoor units are equipped with the Toshiba DC hybrid inverter, an enhanced feature that ensures improved performance and reliability.

Thanks to the efficient DC compressors, these units provide fast and precise temperature management, with energy savings of 40-50% compared to fixed-speed systems.

These flexible condensing units can be matched with a wide range of indoor units: high-walls (including Super Daiseikai), ducted and the new 600×600 mm cassette.







Combination ratings heat pump

	0 11 1						11. 1			·		(1140)	B 1 010
Size	Operating status			ination	11.5.5			acity (kW)	11.55		ng capacity		Power input (W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Rated
14	1 unit operation	10	-	-	-	2.50	-	-	-	1.1	2.5	3.2	570
		13		-	-	3.50	-	-	-	1.1	3.5	3.8	1100
14	2 unit operation	10	10	-	-	1.95	1.95	-	-	1.4	3.5	4.4	1070
		13	10	-	-	2.33	1.67	-	-	1.4	4.0	4.5	1080
Heating, 230 V	O		Camala	ination			Halk ass	pacity (kW) Heating capacity (kW)				. (1.)(1)	Danner in most (MA)
Size	Operating status	I In the A			Hnit D	I I a i a A		Unit C	Hnit D				Power input (W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Rated
14	1 unit operation	10	-	-	-	3.20	-	-	-	0.7	3.2	4.0	850
		13	10	-		4.20 2.15	2.15		-	0.7	4.2	4.4	1250 980
14	2 unit operation			-				-					
O., & al. a. a. a	DAC M14CAV F	13	10		-	2.50 SKV Inve	1.90	- Dundard III	-	0.9	4.4	4.7	1010
Jutaoor unit:	RAS-M14GAV-E	Indoor un	IIT:	Super Da				Ducted Ir					
				RAS-B10S		RAS-M109	,	RAS-M100					
				RAS-B13S	KVP-E	RAS-M13S	oKV-E,	RAS-M130	JDV-E				
Cooling, 230 V													
Size	Operating status		Comb	ination			Unit cap	acity (kW)		Cooli	ng capacity	(kW)	Power input (W)
	'	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Rated
		10	-	-	-	2.70	-	-	-	1.1	2.7	3.2	600
18	1 unit operation	13	-	-	-	3.70	-	-	-	1.1	3.7	4.2	1100
		16	-	-	-	4.50	-	-	-	1.1	4.5	4.9	1500
		10	10	-	-	2.55	2.55	-	-	1.4	5.1	6.1	1550
18	2 unit operation	13	10	-	-	3.01	2.19	-	-	1.4	5.2	6.2	1600
Ιŏ	2 unit operation	13	13	-	-	2.60	2.60	-	-	1.4	5.2	6.2	1600
		1	10	-	-	3.25	1.95	-	-	1.4	5.2	6.2	1600
		16	10										
Heating, 230 V		16											
Heating, 230 V Size	Operating status	16		ination			Unit cap	acity (kW)		Cooli	ng capacity	(kW)	Power input (W)
	Operating status	16 Unit A		ination Unit C	Unit D	Unit A	Unit cap Unit B	acity (kW) Unit C	Unit D	Cooli Min.	ng capacity Rated	(kW) Max.	Power input (W) Rated
		Unit A	Comb		Unit D	Unit A 4.00			Unit D	Min. 0.7		Max. 5.2	•
	Operating status 1 unit operation	Unit A	Comb Unit B				Unit B		Unit D -	Min. 0.7 0.7	Rated 4.0 5.0	Max. 5.2 6.5	Rated
Size		Unit A	Comb Unit B	Unit C -	-	4.00 5.00 5.50	Unit B	Unit C	-	Min. 0.7	Rated 4.0	Max. 5.2 6.5 6.9	Rated 1200
Size		Unit A 10 13	Comb Unit B - -	Unit C - -	-	4.00 5.00 5.50 3.20	Unit B 3.20	Unit C - -	-	Min. 0.7 0.7	Rated 4.0 5.0	Max. 5.2 6.5 6.9 8.3	Rated 1200 1800
Size	1 unit operation	Unit A 10 13 16	Comb Unit B - -	Unit C - - -	-	4.00 5.00 5.50	Unit B	Unit C - - -	- - -	Min. 0.7 0.7 0.7	Rated 4.0 5.0 5.5	Max. 5.2 6.5 6.9	Rated 1200 1800 1900
Size		Unit A 10 13 16 10	Comb Unit B - - -	Unit C	- - -	4.00 5.00 5.50 3.20	Unit B 3.20	Unit C	- - -	Min. 0.7 0.7 0.7 0.7	Rated 4.0 5.0 5.5 6.4	Max. 5.2 6.5 6.9 8.3	Rated 1200 1800 1900 1800
Size	1 unit operation	Unit A 10 13 16 10 13	Comb Unit B - - - 10 10	Unit C	- - - -	4.00 5.00 5.50 3.20 3.72	Unit B 3.20 2.98	Unit C	- - - -	Min. 0.7 0.7 0.7 0.7 0.9	Rated 4.0 5.0 5.5 6.4 6.7	Max. 5.2 6.5 6.9 8.3 8.7	Rated 1200 1800 1900 1800 1850
18 18	1 unit operation	Unit A 10 13 16 10 13 16	Comb Unit B - - - 10 10 13 10	Unit C	- - - - - -	4.00 5.00 5.50 3.20 3.72 3.35	Unit B 3.20 2.98 3.35 2.82	Unit C	- - - - -	Min. 0.7 0.7 0.7 0.9 0.9	Rated 4.0 5.0 5.5 6.4 6.7 6.7	Max. 5.2 6.5 6.9 8.3 8.7 8.7	Rated 1200 1800 1900 1800 1850 1850

RAS-B13SKVP-E RAS-M13SKV-E,

RAS-M13GDV-E RAS-M13SMUV-E

RAS-B16SKVP-E RAS-M16SKV-E, RAS-M16GDV-E RAS-M16SMUV-E

Combination ratings **heat pump**

Cooling, 230 V	·	· · · · · · · · · · · · · · · · · · ·											·
Size	Operating status		Comb	ination			Unit cap	acity (kW)		Cool	ing capacity	/ (kW)	Power input (W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Rated
		10	-	-	-	2.70	-	-	-	1.4	2.7	3.2	750
26	1 unit operation	13	-	-	-	3.70	-	-	-	1.4	3.7	4.4	1200
		16	-	-	-	4.50	-	-	-	1.4	4.5	5.0	1650
		10	10	-	-	2.70	2.70	-	-	2.5	5.4	6.3	1530
		13	10	-	-	3.41	2.49	-	-	2.7	5.9	6.6	1810
26	2	16	10	-	-	3.94	2.36	-	-	2.9	6.3	6.9	2040
26	2 unit operation	13	13	-	-	3.15	3.15	-	-	2.9	6.3	6.9	2040
		16	13	-	-	3.73	3.07	-	-	3.0	6.8	7.2	2320
		16	16	-	-	3.60	3.60	-	-	3.2	7.2	7.5	2550
		10	10	10	-	2.47	2.47	2.47	-	3.6	7.4	8.2	2230
		13	10	10	-	3.01	2.20	2.20	-	3.9	7.4	8.3	2230
		16	10	10	-	3.36	2.02	2.02	-	4.0	7.4	8.5	2230
		13	13	10	-	2.71	2.71	1.98	-	4.0	7.4	8.5	2230
26	3 unit operation	16	13	10	-	3.10	2.55	1.86	-	4.0	7.5	8.6	2250
		13	13	13	-	2.50	2.50	2.50	-	4.0	7.5	8.6	2250
		16	16	10	-	2.88	2.88	1.73	-	4.1	7.5	8.8	2250
		16	13	13	-	2.84	2.33	2.33	-	4.1	7.5	8.8	2250
		16	16	13	-	2.66	2.66	2.19	-	4.2	7.5	8.9	2250
eating, 230 V													
Size	Operating status		Comb	ination			Unit cap	acity (kW)		Cool	ing capacity	/ (kW)	Power input (W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Rated
		10	-	-	-	4.00	-	-	-	0.8	4.0	5.2	1500
26	1 unit operation	13	-	-	-	5.00	-	-	-	0.8	5.0	6.5	2050
	·	16	-	-	-	5.50	-	-	-	0.8	5.5	6.9	2400
		10	10	-	-	3.60	3.60	-	-	1.5	7.2	10.0	2050
		13	10	-	-	4.22	3.38	-	-	1.5	7.6	10.1	2240
26	2 unit operation	16	10	-	-	4.57	3.33	-	-	1.5	7.9	10.1	2380
20	z unit operation	13	13	-	-	3.95	3.95	-	-	1.5	7.9	10.1	2380
		16	13	-	-	4.35	3.95	-	-	1.5	8.3	10.2	2560
		16	16	_	_	4 30	4 30	_	_	1.5	8.6	10.2	2700

16 4.30 4.30 10.2 2700 8.6 10 10 2.87 2.87 2.87 2.0 8.6 10.4 2300 13 10 10 3.35 2.68 2.68 2.0 8.7 10.5 2360 16 10 3.59 2.61 2.61 2.0 8.8 2430 10 10.6 13 3.14 3.14 2.51 2.0 8.8 2430 13 10 10.6 16 10 3.34 3.03 2.43 2.0 8.8 2430 26 3 unit operation 13 10.6 13 13 13 2.93 2.93 2.93 2.0 8.8 10.6 2430 16 2.37 2490 10 3.26 3.26 2.0 8.9 10.7 16 16 8.9 2490 13 13 3.16 2.87 2.87 2.0 10.7 3.09 16 16 13 3.09 2.81 2.0-9.0 10.8 2550

Outdoor unit: RAS-M26GAV-E

Indoor unit:

 Super Daiseikai
 SKV Inverter

 RAS-B10SKVP-E
 RAS-M10SKV-E,

 RAS-B13SKVP-E
 RAS-M13SKV-E,

 RAS-B16SKVP-E
 RAS-M16SKV-E,

SKV Inverter Ducted Inverter
RAS-M10SKV-E, RAS-M10GDV-E
RAS-M13SKV-E, RAS-M13GDV-E
RAS-M16SKV-E, RAS-M16GDV-E

Cassette
RAS-M10SMUV-E
RAS-M13SMUV-E
RAS-M16SMUV-E

Combination ratings **heat pump**

Size	Operating status		Comb	ination			Unit cap	acity (kW)		Cool	ing capacity	(kW)	Power input (W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Rated
		10	-	-	-	2.70	-	-	-	1.4	2.7	3.2	750
27	1 unit operation	13	-	-	-	3.70	-	-	-	1.4	3.7	4.4	1200
		16	-	-	-	4.50	-	-	-	1.4	4.5	5.0	1650
		10	10	-	-	2.70	2.70	-	-	2.5	5.4	6.3	1530
		13	10	-	-	3.41	2.49	-	-	2.7	5.9	6.6	1810
27	2 unit operation	16	10	-	-	3.94	2.36	-	-	2.9	6.3	6.9	2040
21	2 driit operation	13	13	-	-	3.15	3.15	-	-	2.9	6.3	6.9	2040
		16	13	-	-	3.73	3.07	-	-	3.0	6.8	7.2	2320
		16	16	-	-	3.60	3.60	-	-	3.2	7.2	7.5	2550
		10	10	10	-	2.63	2.53	2.53	-	3.6	7.6	8.2	2400
		13	10	10	-	3.13	2.28	2.28	-	3.9	7.7	8.3	2410
		16	10	10	-	3.50	2.10	2.10	-	4.0	7.7	8.5	2410
		13	13	10	-	2.82	2.82	2.06	-	4.0	7.7	8.5	2410
27	3 unit operation	16	13	10	-	3.22	2.85	1.93	-	4.1	7.8	8.6	2430
2/	3 unit operation	13	13	13	-	2.60	2.60	2.60	-	4.1	7.8	8.6	2430
		16	16	10	-	3.04	3.04	1.82	-	4.1	7.9	8.7	2440
		16	13	13	-	2.99	2.46	2.46	-	4.1	7.9	8.7	2440
		16	16	13	-	2.80	2.80	2.30	-	4.2	7.9	8.9	2440
		16	16	16	-	2.87	2.67	2.67	-	4.3	8.0	9.0	2450
		10	10	10	10	1.98	1.98	1.98	1.98	4.0	7.9	8.7	2450
		13	10	10	10	2.48	1.81	1.81	1.81	4.1	7.9	8.8	2450
		16	10	10	10	2.86	1.71	1.71	1.71	4.1	8.0	9.0	2500
		13	13	10	10	2.31	2.31	1.69	1.69	4.1	8.0	9.0	2500
27	4 unit operation	16	13	10	10	2.65	2.18	1.59	1.59	4.2	8.0	9.1	2500
		13	13	13	10	2.14	2.14	2.14	1.57	4.2	8.0	9.1	2500
		16	13	13	10	2.47	2.03	2.03	1.48	4.2	8.0	9.2	2500
		13	13	13	13	2.00	2.00	2.00	2.00	4.2	8.0	9.2	2500
		16	16	10	10	2.50	2.50	1.50	1.50	4.2	8.0	9.2	2500
leating, 230 V													
Size	Operating status		Comb	ination			Unit cap	acity (kW)		Cool	ing capacity	(kW)	Power input (W)
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Rated
		10	-	-	-	4.00	-	-	-	0.8	4.0	5.2	1450
27	1 unit operation	13	-	-	-	5.00	-	-	-	0.8	5.0	6.5	2050
	· ·	16	-	-	-	5.50	-	-	-	0.8	5.5	6.9	2400
		10	10		-	2.60							
		10	10	-		3.60	3.60	-	-	1.5	7.2	10.0	2100
27		13	10	-	-	3.60 4.22	3.60 3.38	-	-	1.5 1.5	7.2 7.6	10.0 10.1	2100 2320
					-	4.22				1.5			2320
27	2 unit operation	13	10				3.38	-	-		7.6	10.1	
21	2 unit operation	13 16	10 10	-	-	4.22 4.57	3.38 3.33	-	-	1.5 1.5	7.6 7.9	10.1 10.1	2320 2480
21	2 unit operation	13 16 13	10 10 13	-	-	4.22 4.57 3.95	3.38 3.33 3.95	- - -	- -	1.5 1.5 1.5	7.6 7.9 7.9	10.1 10.1 10.1	2320 2480 2480
21	2 unit operation	13 16 13 16	10 10 13 13	- - -	- - -	4.22 4.57 3.95 4.35	3.38 3.33 3.95 3.95	- - -	- - -	1.5 1.5 1.5 1.5	7.6 7.9 7.9 8.3	10.1 10.1 10.1 10.2	2320 2480 2480 2700
21	2 unit operation	13 16 13 16 16	10 10 13 13	- - - -	- - - -	4.22 4.57 3.95 4.35 4.30	3.38 3.33 3.95 3.95 4.30	- - - -	- - - -	1.5 1.5 1.5 1.5	7.6 7.9 7.9 8.3 8.6	10.1 10.1 10.1 10.2 10.2	2320 2480 2480 2700 2860
21	2 unit operation	13 16 13 16 16	10 10 13 13 16	- - - - - 10	- - - -	4.22 4.57 3.95 4.35 4.30 2.87 3.35	3.38 3.33 3.95 3.95 4.30 2.87 2.68	- - - - - 2.87	- - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7	10.1 10.1 10.1 10.2 10.2 10.4 10.5	2320 2480 2480 2700 2860 2300 2350
21	2 unit operation	13 16 13 16 16 10	10 10 13 13 16 10	- - - - - 10	- - - -	4.22 4.57 3.95 4.35 4.30 2.87	3.38 3.33 3.95 3.95 4.30 2.87	- - - - - 2.87 2.68	- - - - -	1.5 1.5 1.5 1.5 1.5 2.0	7.6 7.9 7.9 8.3 8.6	10.1 10.1 10.1 10.2 10.2	2320 2480 2480 2700 2860 2300
	<u> </u>	13 16 13 16 16 10 13 16 13	10 10 13 13 16 10 10 10 13	- - - - - 10 10	- - - -	4.22 4.57 3.95 4.35 4.30 2.87 3.35 3.54 3.11	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11	- - - - 2.87 2.68 2.58 2.49	- - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5	2320 2480 2480 2700 2860 2300 2350 2350 2350
27	2 unit operation 3 unit operation	13 16 13 16 16 10 13 16	10 10 13 13 16 10 10	- - - - 10 10 10	- - - - -	4.22 4.57 3.95 4.35 4.30 2.87 3.35 3.54 3.11 3.34	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58	2.87 2.68 2.58	- - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5	2320 2480 2480 2700 2860 2300 2350 2350 2350 2400
	<u> </u>	13 16 13 16 16 10 13 16 13 16 13	10 10 13 13 16 10 10 10 13 13 13	- - - - - 10 10 10 10 10 10 10	- - - - - - -	4.22 4.57 3.95 4.35 4.30 2.87 3.35 3.54 3.11 3.34 2.93	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93	2.87 2.68 2.58 2.49 2.43 2.93	- - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6	2320 2480 2480 2700 2860 2300 2350 2350 2350 2400 2400
	<u> </u>	13 16 13 16 16 10 13 16 13 16	10 10 13 13 16 10 10 10 13 13	- - - - 10 10 10 10	- - - - - - - - -	4.22 4.57 3.95 4.35 4.30 2.87 3.35 3.54 3.11 3.34	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03	2.87 2.68 2.58 2.49 2.43	- - - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5	2320 2480 2480 2700 2860 2300 2350 2350 2350 2400
	<u> </u>	13 16 13 16 16 10 13 16 13 16 13 16	10 10 13 13 16 10 10 10 13 13 13 16 13	- - - - 10 10 10 10 10 10 10 11 13 10 13	- - - - - - - - - -	4.22 4.57 3.95 4.35 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.87	- - - - - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.6 10.7	2320 2480 2480 2700 2860 2300 2350 2350 2350 2400 2400 2450
	<u> </u>	13 16 13 16 16 10 13 16 13 16 13 16 13 16	10 10 13 13 16 10 10 10 10 13 13 13 16 13 16	- - - - 10 10 10 10 10 10 10 11 10 11 11 11 11	- - - - - - - - - - - - -	4.22 4.57 3.95 4.35 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.06	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.87 2.78	- - - - - - - - - - - - - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.6 10.7 10.7	2320 2480 2480 2700 2860 2300 2350 2350 2350 2400 2400 2450 2450 2450
	<u> </u>	13 16 13 16 16 10 13 16 13 16 13 16 13 16 16	10 10 13 13 16 10 10 10 10 13 13 13 16 13 16	- - - 10 10 10 10 10 10 13 13 13 13		4.22 4.57 3.95 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.06 3.00	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06 3.00	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.78 3.00		1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.6 10.7 10.7	2320 2480 2480 2700 2860 2300 2350 2350 2400 2400 2450 2450 2450 2450 2500
	<u> </u>	13 16 13 16 16 10 13 16 13 16 13 16 16 16 16	10 10 13 13 16 10 10 10 13 13 13 16 16 16	- - - - 10 10 10 10 10 10 13 10 13 13 13 16	- - - - - - - - - - - - - - - - - - -	4.22 4.57 3.95 4.35 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.00 2.23	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06 3.00	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.87 2.78 3.00	- - - - - - - - - - - - - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.6 10.7 10.7 10.7	2320 2480 2480 2700 2860 2300 2350 2350 2400 2400 2450 2450 2450 2450 2450 2250
	<u> </u>	13 16 13 16 16 10 13 16 13 16 13 16 16 16 16 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	10 10 13 13 16 10 10 10 13 13 13 16 13 16 10 10	- - - - 10 10 10 10 10 10 13 10 13 13 13 16	- - - - - - - - - - - - - 10	4.22 4.57 3.95 4.35 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.00 2.23 2.62	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06 3.00 2.23 2.09	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.78 3.00 2.23 2.09	- - - - - - - - - - - - - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.6 10.6 10.7 10.7 10.7 10.8 10.8	2320 2480 2480 2700 2860 2300 2350 2350 2400 2400 2450 2450 2450 2500 2100
	<u> </u>	13 16 13 16 16 10 13 16 13 16 16 16 16 16 16 16 16	10 10 13 13 16 10 10 10 13 13 13 16 13 16 10 10	10 10 10 10 13 13 13 16 10 10 10 10 10	- - - - - - - - - - - 10 10	4.22 4.57 3.95 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.06 3.00 2.23 2.62 2.83	3.38 3.33 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.26 2.87 3.06 3.00 2.23 2.09 2.06	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.87 2.78 3.00 2.23 2.09 2.06	- - - - - - - - - - - - - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.6 10.7 10.7 10.7 10.7	2320 2480 2480 2700 2860 2300 2350 2350 2450 2400 2400 2450 2450 2450 2450 2100 2100 2250
27	3 unit operation	13 16 13 16 10 13 16 13 16 13 16 16 16 16 16 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	10 10 13 13 16 10 10 10 13 13 13 16 16 10 10 10 11 13 13 16 16	10 10 10 10 10 10 13 13 13 16 10 10	- - - - - - - - - - - - - - 1 0 1 0 1 0	4.22 4.57 3.95 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.06 3.00 2.23 2.62 2.83 2.50	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06 3.00 2.23 2.09 2.06 2.50	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.87 2.78 3.00 2.23 2.09 2.06 2.00	- - - - - - - - - - - - - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9 9.0 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.6 10.7 10.7 10.7 10.8 10.8	2320 2480 2480 2480 2480 2700 2860 2300 2350 2350 2450 2400 2400 2450 2450 2450 2500 2100 2100 2250 2250
	<u> </u>	13 16 13 16 10 13 16 13 16 13 16 16 16 10 13 16 16 16 16	10 10 13 13 16 10 10 10 13 13 13 16 16 10 10 10 11 13 13 16 16 10 10 10 10 10 10 10 10 10 10 10 10 10		- - - - - - - - - - - 10 10 10 10 10	4.22 4.57 3.95 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.00 2.23 2.62 2.83 2.50 2.68	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06 3.00 2.23 2.09 2.06 2.50 2.43	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.87 2.78 3.00 2.23 2.00 2.06 2.00 1.95	- - - - - - - - - - - - - - - - - - -	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 9.0 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.6 10.7 10.7 10.7 10.8 10.8 10.9 10.9	2320 2480 2480 2480 2480 2700 2860 2300 2350 2350 2350 2400 2400 2450 2450 2450 2500 2100 2100 2150 2250 2250
27	3 unit operation	13 16 13 16 10 13 16 13 16 13 16 16 16 10 13 16 16 16 11 13 16 16 11 13 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	10 10 13 13 16 10 10 10 13 13 13 16 16 10 10 10 10 11 13 13 13 14 16 10 10 10 10 11 11 11 11 11 11 11 11 11		- - - - - - - - - - - - - - - - - - -	4.22 4.57 3.95 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.06 3.00 2.23 2.62 2.83 2.50 2.68 2.37	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06 3.00 2.23 2.09 2.09 2.06 2.50 2.43 2.37	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.78 3.00 2.23 2.09 2.00 1.95 2.37		1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 9.0 9.0 9.0 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.7 10.7 10.7 10.8 10.8 10.9 10.9 11.0	2320 2480 2480 2480 2480 2700 2860 2300 2350 2350 2350 2400 2400 2450 2450 2450 2250 2100 2100 2100 2250 2250 2250
27	3 unit operation	13 16 13 16 10 13 16 13 16 13 16 16 16 16 16 16 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	10 10 13 13 16 10 10 10 13 13 13 16 16 16 10 10 10 10 13 13 13 13 13 13 13 13 13 13 13 13 13		- - - - - - - - - - - - - - - - - - -	4.22 4.57 3.95 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.00 2.23 2.62 2.83 2.50 2.68 2.37 2.54	3.38 3.33 3.95 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06 3.00 2.23 2.09 2.06 2.50 2.43 2.37 2.31	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.87 3.00 2.23 2.09 2.06 2.00 1.95 2.37 2.31		1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9 9.0 8.9 9.0 9.0 9.0 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.7 10.7 10.7 10.8 10.8 10.9 10.9 11.0 11.0	2320 2480 2480 2480 2700 2860 2300 2350 2350 2350 2400 2400 2450 2450 2450 2250 2250 22
27	3 unit operation	13 16 13 16 16 10 13 16 13 16 16 16 16 16 16 16 16 16 16 16 16 16	10 10 13 13 16 10 10 10 13 13 16 13 16 10 10 10 10 13 13 16 16 10 10 10 10 13 13 16 16 10 10 10 10 10 10 10 10 10 10 10 10 10			4.22 4.57 3.95 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.00 2.23 2.62 2.83 2.50 2.68 2.37 2.54 2.25	3.38 3.33 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.93 2.26 2.87 3.06 3.00 2.23 2.09 2.06 2.50 2.43 2.31 2.25	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.78 3.00 2.23 2.09 2.06 2.00 1.95 2.37 2.31 2.25	2.23 2.09 2.06 2.00 1.85 2.25	1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9 9.0 9.0 9.0 9.0 9.0 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.6 10.7 10.7 10.7 10.8 10.8 10.9 10.9 11.0 11.0	2320 2480 2480 2480 2700 2860 2300 2350 2350 2350 2400 2400 2450 2450 2450 2450 2250 22
27	3 unit operation	13 16 13 16 10 13 16 13 16 13 16 16 16 16 16 16 16 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	10 10 13 13 16 10 10 10 13 13 13 16 16 10 10 10 10 11 13 13 16 16 10 10 10 11 11 11 11 11 11 11 11 11 11		- - - - - - - - - - 10 10 10 10 10 10 10 10 10 10 10 10 10	4.22 4.57 3.95 4.30 2.87 3.35 3.54 3.11 3.34 2.93 3.26 3.16 3.00 2.23 2.62 2.83 2.50 2.68 2.37 2.54	3.38 3.33 3.95 4.30 2.87 2.68 2.58 3.11 3.03 2.26 2.87 3.06 3.00 2.23 2.09 2.06 2.50 2.43 2.31 2.25 2.61	2.87 2.68 2.58 2.49 2.43 2.93 2.37 2.87 3.00 2.23 2.09 2.06 2.00 1.95 2.37 2.31		1.5 1.5 1.5 1.5 1.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	7.6 7.9 7.9 8.3 8.6 8.6 8.7 8.7 8.7 8.8 8.8 8.9 8.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0	10.1 10.1 10.1 10.2 10.2 10.4 10.5 10.5 10.5 10.6 10.7 10.7 10.7 10.8 10.8 10.9 10.9 11.0 11.0	2320 2480 2480 2480 2700 2860 2300 2350 2350 2350 2400 2400 2450 2450 2450 2250 2250 22

Dutdoor unit: RAS-M27GAV-E Indoor unit: Super Daiseikai SKV Inverter Ducted Inverter Cassette

RAS-B105KVP-E RAS-M105KV-E, RAS-M10GDV-E RAS-M105MUV-E

RAS-B135KVP-E RAS-M135KV-E, RAS-M13GDV-E RAS-M135MUV-E

RAS-B165KVP-E RAS-M165KV-E, RAS-M16GDV-E RAS-M166MUV-E

SKVP – Super Daiseikai

			Technical specif	ications heat pump
Outdoor unit		RAS-10SAVP-E	RAS-13SAVP-E	RAS-16SAVP-E
Indoor unit		RAS-B10SKVP-E	RAS-B13SKVP-E	RAS-B16SKVP-E
Cooling capacity	kW	2.50	3.50	4.50
Cooling range (min. – max.)	kW	0.5 to 3.5	0.6 to 4.5	0.8 to 5.0
Power input, cooling (min – rated – max.)	kW	0.10 - 0.49 - 0.87	0.11 – 0.85 – 1.37	0.15 – 1.35 – 1.82
EER	W/W	5.10	4.12	3.33
Energy efficiency class, cooling		А	A	A
Annual energy consumption	kWh	245	425	675
Heating capacity	kW	3.20	4.20	5.50
Heating range (min. – max.)	kW	0.6 to 6.1	0.6 to 6.9	0.8 to 8.0
Power input, heating (min – rated – max.)	kW	0.12 - 0.63 - 1.71	0.12 - 0.95 - 2.09	0.15 – 1.49 – 2.51
СОР	W/W	5.08	4.42	3.69
Energy efficiency class, heating		А	A	A
Indoor unit		RAS-B10SKVP-E	RAS-B13SKVP-E	RAS-B16SKVP-E
Air flow, cooling (h/l)	m³/h – l/s	546/276 – 152/77	564/276 – 157/77	606/318 – 168/88
Sound pressure level, cooling (h/l)	dB(A)	42/27	43/27	45/29
Sound power level, cooling (h/l)	dB(A)	57/42	58/42	60/44
Air flow, heating (h/l)	$m^3/h - l/s$	612/282 – 170/78	636/300 – 177/83	678/342 – 188/95
Sound pressure level, heating (h/l)	dB(A)	43/27	44/27	45/29
Sound power level, heating (h/l)	dB(A)	58/42	59/42	60/45
Dimensions (H x L x D)	mm	250 × 790 × 208	250 × 790 × 208	250 × 790 × 208
Weight	kg	9	9	9
Outdoor unit		RAS-10SAVP-E	RAS-13SAVP-E	RAS-16SAVP-E
Air flow	$m^3/h - I/s$	2148 – 597	2406 – 668	2406 – 668
Sound pressure level, cooling	dB(A)	46	48	49
Sound power level, cooling	dB(A)	59	61	62
Operating range, cooling	°C	-10 to 46	-10 to 46	-10 to 46
Sound pressure level, heating	dB(A)	47	50	50
Sound power level, heating	dB(A)	60	63	63
Operating range, heating	°C	-15 to 24	-15 to 24	-15 to 24
Dimensions (H x L x D)	mm	550 × 780 × 290	550 × 780 × 290	550 × 780 × 290
Weight	kg	38	38	38
Compressor type		DC twin-rotary	DC twin-rotary	DC twin-rotary
Flare connections				
Gas	in	3/8	3/8	1/2
Liquid	in	1/4	1/4	1/4
Minimum pipe length	m	2	2	2
Maximum pipe length	m	25	25	25
Maximum height difference	m	10	10	10
Pre-charged pipe length	m	15	15	15
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50

		Technical specifications heat pu				
Outdoor unit		RAS-10SAV-E	RAS-13SAV-E	RAS-16SAV-E		
Indoor unit		RAS-10SKV-E	RAS-13SKV-E	RAS-16SKV-E		
Cooling capacity	kW	2.5	3.5	4.5		
Cooling range (min. – max.)	kW	1.1 – 3.0	1.1 – 4.0	0.8 – 5.0		
Power input, cooling (min. – rated – max)	kW	0.255 - 0.750 - 0.965	0.250 – 1.070 – 1.330	0.150 – 1.595 – 1.900		
EER	W/W	3.33	3.27	2.82		
Energy efficiency class, cooling		A	A	С		
Annual energy consumption	KWh	375	535	798		
Heating capacity	kW	3.2	4.2	5.3		
Heating range (min. – max.)	kW	0.9 – 4.1	0.9 – 5.0	0.9 – 6.2		
Power input, heating (min. – rated – max)	kW	0.200 - 0.860 - 1.200	0.170 – 1.130 – 1.480	0.150 – 1.550 – 1.810		
COP	W/W	3.72	3.72	3.42		
Energy efficiency class, heating		A	A	В		
Indoor unit		RAS-10SKV-E/ RAS-M10SKV-E	RAS-13SKV-E/ RAS-M13SKV-E	RAS-16SKV-E/ RAS-M16SKV-E		
Air flow, cooling (h/m/l))	l/s	145/125/95	156/132/98	192/163/121		
Air flow, cooling (h/m/l))	m³/h	522/439/331	563/481/352	691/536/437		
Sound pressure level, cooling (h/l)	dB(A)	38/29	39/26	45/30		
Sound power level, cooling (h/l)	dB(A)	51/42	52/39	58/43		
Air flow, heating (h/m/l)	l/s	160/140/112	175/145/113	206/184/151		
Air flow, heating (h/m/l)	m³/h	576/495/401	630/528/410	743/638/549		
Sound pressure level, heating (h/l)	dB(A)	40/30	40/28	45/31		
Sound power level, heating (h/l)	dB(A)	53/43	53/41	58/44		
Dimensions (H x L x D)	mm	250 × 740 × 195	275 × 790 × 205	275 × 790 × 205		
Weight	kg	8.0	9.0	9.0		
Outdoor unit		RAS-10SAV-E	RAS-13SAV-E	RAS-16SAV-E		
Air flow	m³/h – l/s	1620 – 450	2100 – 583	2100 – 583		
Sound pressure level, cooling	dB(A)	48	48	49		
Sound power level, cooling	dB(A)	61	61	62		
Operating range, cooling	°C	15 to 43	-10 to 46	-10 to 46		
Sound pressure level, heating	dB(A)	50	50	50		
Sound power level, heating	dB(A)	63	63	63		
Operating range, heating	°C	-10 to 24	-15 to 24	-15 to 24		
Dimensions (H x L x D)	mm	550 × 660 × 240	550 × 780 × 290	550 × 780 × 290		
Weight	kg	29	35	35		
Compressor type		DC rotary	DC rotary	DC twin-rotary		
Flare connections - dia. gas	in	3/8	3/8	1/2		
Flare connections -dia. liquid	in	1/4	1/4	1/4		
Minimum pipe length	m	1	1	1		
Maximum pipe length	m	10	20	20		
Maximum height difference	m	8	10	10		
Pre-charged pipe length	m	10	15	15		
Power supply	V-ph-Hz	220-240/1/50	220-240/1/50	220-240/1/50		

 $Indoor\ models\ with\ the\ letter\ "M"\ in\ the\ unit\ designation\ are\ multi-split\ units;\ models\ without\ the\ letter\ "M"\ are\ single-split\ units.$

GKHP – Fixed-speed high-wall

				Technical specifi	cations heat pump
Outdoor unit		RAS-10GAH-ES2	RAS-13GAH-ES2	RAS-18GAH-ES2	RAS-24GAH-ES2
Indoor unit		RAS-10GKHP-ES2	RAS-13GKHP-ES2	RAS-18GKHP-ES2	RAS-24GKHP-ES2
Cooling capacity	kW	2.73	3.78	5.03	6.30
Power input, cooling	kW	0.84	1.17	1.88	2.47
EER	W/W	3.25	3.23	2.68	2.55
Energy efficiency class, cooling		A	A	D	E
Annual energy consumption	kWh	420	585	940	1235
Running current, cooling	Α	3.76	5.25	8.40	11.45
Heating capacity	kW	2.94	4.23	5.50	6.85
Power input, heating	kW	0.81	1.16	1.72	2.44
COP	W/W	3.63	3.65	3.20	2.81
Energy efficiency class, heating		A	A	С	D
Outdoor unit		RAS-10GAH-ES2	RAS-13GAH-ES2	RAS-18GAH-ES2	RAS-24GAH-ES2
Air flow	$m^3/h - I/s$	2030 – 564	2120 – 589	1830 – 508	3380 – 939
Sound pressure level, cooling/heating	dB(A)	47/47	49/49	52/53	56/57
Sound power level, cooling/heating	dB(A)	60/60	62/62	65/66	69/70
Dimensions (H x L x D)	mm	550 × 780 × 290	550 × 780 × 290	550 × 780 × 290	715 × 780 × 290
Weight	kg	32	40	50	65

				Technical specifi	cations heat pump
Indoor unit		RAS-10GKHP-ES2	RAS-13GKHP-ES2	RAS-18GKHP-ES2	RAS-24GKHP-ES2
Air flow, cooling (h/l)	m³/h – l/s	540/340 – 150/95	630/430 – 175/120	900/625 – 250/174	900/625 – 250/174
Air flow, heating (h/l)	$m^3/h - l/s$	560/400 –155/110	650/490 – 180/135	900/625 – 250/174	900/625 – 250/174
Sound pressure level (h/l)	dB(A)	41/31	41/31	44/35	45/37
Sound power level	dB(A)	54/44	54/44	57/48	58/50
Dimensions (H x L x D)	mm	250 × 740 × 185	275×790×218	298 × 998 × 220	298 × 998 × 220
Weight	kg	8	10	13	13
Outdoor unit		RAS-10GAH-ES2	RAS-13GAH-ES2	RAS-18GAH-ES2	RAS-24GAH-ES2
Operating range, cooling	°C	15 to 43	15 to 43	15 to 43	15 to 43
Operating range, heating	°C	-10 to 24	-10 to 24	-10 to 24	-10 to 24
Flare connections (gas – liquid)	in	3/8 –1/4	1/2 – 1/4	1/2 – 1/4	1/2 – 1/4
Maximum pipe length	m	10	15	20	25
Maximum height difference	m	5	6	8	10
Pre-charged pipe length	m	10	15	15	15
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50

	Technical specifications heat			
Indoor unit		RAS-M10GDV-E	RAS-M13GDV-E	RAS-M16GDV-E
Cooling capacity	kW	2.7	3.7	4.5
Heating capacity	kW	4.0	5.0	5.5

		RAS-M10GDV-E	RAS-M13GDV-E	RAS-M16GDV-E
Air flow, cooling (h/l)	m³/h – l/s	720/400 - 200/111	780/428 – 217/119	780/428 – 217/119
Sound pressure level, cooling (h/l)	dB(A)	31/23	32/24	33/25
Sound power level, cooling (h/l)	dB(A)	44/36	45/37	46/38
Operating range, cooling	°C	21 to 32	21 to 32	21 to 32
Air flow, heating (h/l)	m³/h – l/s	720/450 – 200/111	780/428 – 217/119	780/428 – 217/119
Sound pressure level, heating (h/l)	dB(A)	32/24	33/25	34/26
Sound power level, heating (h/l)	dB(A)	45/37	46/33	47/34
Operating range, heating	°C	0 to 28	0 to 28	0 to 28
Dimensions (H x L x D)	mm	$230\times750\times440$	230 × 750 × 440	230 × 750 × 440
Weight	kg	19	19	19
Flare connections – gas	in	3/8	3/8	1/2
Flare connections – liquid	in	1/4	1/4	1/4
External static pressure* (stand/upper limit)	Pa	35.3/54.9	41.2/63.7	41.2/63.7

^{*} static pressure at nominal condition

SM_UV - Inverter cassette

	Technical specifications heat pump				
		RAS-M10SMUV-E	RAS-M13SMUV-E	RAS-M16SMUV-E	
Air flow, cooling (h/l)	m³/h (l/s)	588/432 (163/120)	618/432 (172/120)	660/450 (183/125)	
Sound pressure level, cooling (h/l)	dB(A)	37/30	38/30	40/31	
Sound power level, cooling (h/l)	dB(A)	52/45	53/45	55/46	
Air flow, heating (h/l)	m³/h (l/s)	588/432 (163/120)	618/432 (172/120)	660/450 (183/125)	
Sound pressure level, heating (h/l)	dB(A)	37/30	38/30	40/31	
Sound power level, heating (h/l)	dB(A)	52/45	53/45	55/46	
Dimensions (H x L x D)	mm	268 × 575 × 575	268 × 575 × 575	268 × 575 × 575	
Weight	kg	15	15	15	

GAV Multi-split outdoor units

				Technical specific	cations heat pum j
		2-room r	nulti-split	3-room multi-split	4-room multi-split
Outdoor unit		RAS-M14GAV-E	RAS-M18GAV-E	RAS-3M26GAV-E	RAS-4M27GAV-E
Cooling capacity	kW	4.00	5.20	7.50	8.00
Cooling capacity (min. – max.)	kW	1.1 – 4.5	1.1 – 6.2	1.4 – 8.9	1.4 – 9.2
Power input, cooling	kW	1.08	1.60	2.25	2.50
EER	W/W	3.70	3.25	3.33	3.20
Energy efficiency class, cooling		А	A	A	В
Heating capacity	kW	4.40	6.70	9.00	9.00
Heating capacity (min. – max.)	kW	0.5 – 5.2	0.7 – 8.5	0.8 – 10.8	0.8 – 11.0
Power input, heating	kW	1.01	1.85	2.55	2.25
COP	W/W	4.35	3.62	3.53	4.00
Energy efficiency class, heating		A	A	В	A
Air flow	$m^3/h - I/s$	1820 – 505	2100 – 583	3000 – 833	3000 – 833
Sound pressure level, cooling	dB(A)	46	48	48	48
Sound power level, cooling	dB(A)	59	61	61	61
Operating range, cooling	°C	5 to 43	5 to 43	10 to 43	10 to 43
Sound pressure level, heating	dB(A)	48	50	48	48
Sound power level, heating	dB(A)	61	63	61	61
Operating range, heating	°C	-15 to 24	-15 to 24	-15 to 21	-15 to 21
Dimensions (H x L x D)	mm	$550 \times 780 \times 290$	550 × 780 × 290	795 × 900 × 320	795 × 900 × 320
Weight	kg	36	40	64	65
Compressor type		DC twin-rotary	DC twin- rotary	DC twin-rotary	DC twin-rotary
Flare connections					
Gas	in	3/8 × 2	3/8 × 2	3/8 × 2 + 1/2	3/8 × 3 + 1/2
Liquid	in	1/4 × 2	1/4×2	1/4×3	1/4×4
Maximum pipe length (per unit/total)	m	20/30	20/30	25/50	25/70
Maximum height difference	m	10	10	15	15
Pre-charged pipe length	m	20	20	50	70
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50





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