



Multisplit Systems

MULTI

Technology in multisplit systems



When it is necessary to provide total comfort solution for a multi-room application, Toshiba multisplit systems offer the perfect answer for any kind of requirement.

One outdoor unit is capable of operating 2, 3 or 4 indoor units. They are compact and elegant as they are designed to blend in with any room interior.

In fact, 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 hi-tech and sophisticated design and complete air filtration at the same time.

Moreover, the efficient inverter systems are composed of high quality components: control electronics, motor, compressor... Toshiba solutions are studied and verified in every tiny element and are recognised universally by air

conditioning professionals for their total reliability.

In fact, for Toshiba quality has always been a priority and today and into the future, the quality of Toshiba products will continue to differentiate us from other manufacturers.



ENERGY SAVINGS

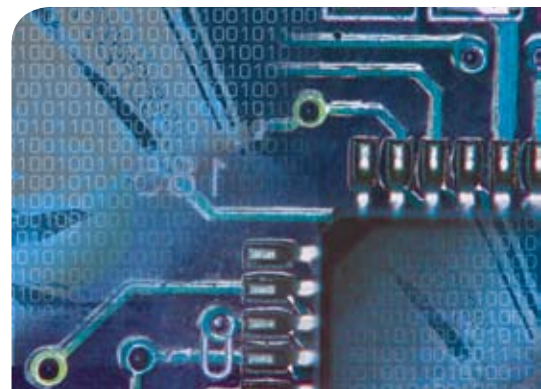
WIDE RANGE OF OUTDOOR UNITS TO TAILOR ANY APPLICATION

HIGH COMFORT

Technology met comfort

We care deeply about every detail: indoor air quality, low sound levels, energy efficiency... each element is studied and developed to reach the ultimate goal – absolute comfort. 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 to fully satisfy the most demanding customer needs.

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 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 benefits of being Inverter

Toshiba DC hybrid inverter technology controls the energy supplied by the air conditioner. By modifying the frequency or intensity of the supply current, 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 at start up the room temperature is far away from the set point, 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 temperature close to the set point.



Experience and quality

Toshiba has been studying, designing and creating innovative air conditioning systems for 30 years and as a result has always offered the highest performance on the market. Quality has always been Toshiba's strength and will remain the trademark that will differentiate

Toshiba air conditioners from the competition. This is the philosophy behind every Toshiba product.

TWIN ROTARY COMPRESSOR:

- LOW NOISE LEVELS
- HIGH EFFICIENCY
- MAXIMUM RELIABILITY

Respect for environment

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

As the other advanced products, also the Multisplit systems use only R-410A, the high efficiency non-ozone depleting refrigerant. In addition, also the sophisticated inverter control optimises the load distribution to deliver the capacity

needed to reach and maintain the required temperature, eliminating inefficient power surges, typical for non-inverter systems.



Respect for the indoor air

Comfort at home means much more than personalised temperature. Toshiba knows that and this is the reason why one of Toshiba's research objectives is the continuous introduction of new ways to eliminate air pollutants from any indoor living space.

True quality in the residential environment goes beyond control of the air filtration. With Toshiba 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 or total purification.

Electrostatic purification also guarantees a basic cost advantage, as there are no ongoing replacement part costs.

Super Daiseikai

The third generation of Daiseikai provides the highest energy saving and unmatched indoor air quality with Ag + Plasma Purifier air filtration, that eliminates bacteria and removes odours. In addition, the new stylish design integrates perfectly with any environment and its silver sides give it a modern touch of elegance.

- AG+ PLASMA AIR PURIFIER
- SELF CLEANING, REGENERABLE FILTERS WITH LOW DENSITY OZONE
- NEW MODERN DESIGN
- LOW ENERGY CONSUMPTION



cooling only system

Indoor unit			RAS-B10SKCVP-E	RAS-B13SKCVP-E	RAS-B16SKCVP-E
Air flow (h/l)	m ³ /h - l/s	C	552 - 153	570 - 158	624 - 173
Sound pressure level (h/l)	dB(A)	C	42/27	43/27	45/29
Sound power level (h/l)	dB(A)	C	57	58	60
Dimensions (h x w x d)	mm		250 x 790 x 208	250 x 790 x 208	250 x 790 x 208
Weight	kg		9	9	9

heat pump system

Indoor unit			RAS-B10SKVP-E	RAS-B13SKVP-E	RAS-B16SKVP-E
Air flow (h/l)	m ³ /h - l/s	C	552 - 153	570 - 158	624 - 173
Sound pressure level (h/l)	dB(A)	C	42/27	43/27	45/29
Sound power level (h/l)	dB(A)	C	57	58	60
Air flow (h/l)	m ³ /h - l/s	H	618 - 172	642 - 178	666 - 185
Sound pressure level (h/l)	dB(A)	H	43/27	44/27	45/29
Sound power level (h/l)	dB(A)	H	58	59	60
Dimensions (h x w x d)	mm		250 x 790 x 208	250 x 790 x 208	250 x 790 x 208
Weight	kg		9	9	9

Inverter high-wall

The most silent indoor unit in its category. Discreet and unobtrusive, it delivers high energy efficiency and complete air purification, with the 7 in 1 filtering solution. Thanks to this complete system, the high-wall provides pure, fresh and healthy air and ensures the absolute comfort in your home.

- EXTREMELY LOW NOISE LEVELS
- DOUBLE ANTI-OXIDANT WITH 7 IN 1 PURIFICATION
- AUTO DIAGNOSIS AND SELF-CLEANING FUNCTIONS
- MODERN FLAT PANEL



cooling only system

Indoor unit			RAS-M10SKCV-E	RAS-M13SKCV-E	RAS-M16SKCV-E
Air flow (h/l)	m ³ /h - l/s	C	516 - 143	564 - 157	690 - 192
Sound pressure level (h/l)	dB(A)	C	38/26	39/26	45/30
Sound power level (h/l)	dB(A)	C	53	54	60
Dimensions (h x w x d)	mm		275 x 790 x 205	275 x 790 x 205	275 x 790 x 205
Weight	kg		9	9	9

heat pump system

Indoor unit			RAS-M10SKV-E	RAS-M13SKV-E	RAS-M16SKV-E
Air flow (h/l)	m ³ /h - l/s	C	516 - 143	564 - 157	690 - 192
Sound pressure level (h/l)	dB(A)	C	38/26	39/26	45/30
Sound power level (h/l)	dB(A)	C	53	54	60
Air flow (h/l)	m ³ /h - l/s	H	570 - 158	630 - 175	744 - 207
Sound pressure level (h/l)	dB(A)	H	39/28	40/28	45/31
Sound power level (h/l)	dB(A)	H	54	55	60
Dimensions (h x w x d)	mm		275 x 790 x 205	275 x 790 x 205	275 x 790 x 205
Weight	kg		9	9	9

Inverter ducted



This ducted multi-split inverter unit offers reliable and controllable comfort year-round. The compact and quiet units are suitable for a wide range of residential and light commercial applications.

- LOW NOISE LEVELS
- FLEXIBLE AIR INLET: REAR OR BELOW THE UNIT
- HIGH STATIC PRESSURE
- VERY SLIM DESIGN

cooling only system

Indoor unit			RAS-M10GDCV-E	RAS-M13GDCV-E	RAS-M16GDCV-E
Air flow (h/l)	m ³ /h - l/s	C	720 - 200	780 - 217	780 - 119
Sound pressure level (h/l)	dB(A)	C	31/23	32/24	33/25
Sound power level (h/l)	dB(A)	C	44/36	45/37	46/38
Dimensions (h x w x d)	mm		230 x 750 x 440	230 x 750 x 440	230 x 750 x 440
Weight	kg		19	19	19

heat pump system

Indoor unit			RAS-M10GDV-E	RAS-M13GDV-E	RAS-M16GDV-E
Air flow (h/l)	m ³ /h - l/s	C	720 - 200	780 - 217	780 - 119
Sound pressure level (h/l)	dB(A)	C	31/23	32/24	33/25
Sound power level (h/l)	dB(A)	C	44/36	45/37	46/38
Air flow (h/l)	m ³ /h - l/s	H	720 - 200	780 - 217	780 - 119
Sound pressure level (h/l)	dB(A)	H	32/24	33/25	34/26
Sound power level (h/l)	dB(A)	H	45/37	46/33	47/34
Dimensions (h x w x d)	mm		230 x 750 x 440	230 x 750 x 440	230 x 750 x 440
Weight	kg		19	19	19

Compact four-way cassette



This Four way cassette has been designed to grant easy installation and maintenance.

Its compact design blends with any room interior and make it discreet and unobtrusive. It's an ideal choice also for the demanding applications.

- STANDARD 600 x 600 GRID
- STANDARD INFRA-RED REMOTE CONTROL
- SLIM-LINE DIMENSIONS, FOR DEMANDING INSTALLATIONS
- EASY MAINTENANCE AND INSTALLATION

cooling only system

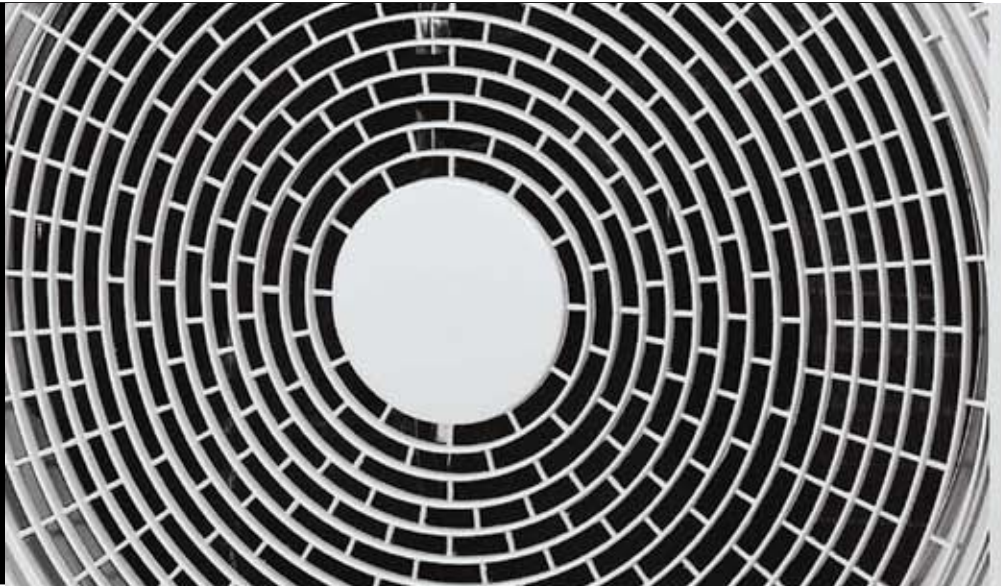
Indoor unit			RAS-M10SMUCV-E	RAS-M13SMUCV-E	RAS-M16SMUCV-E
Air flow (h/l)	m ³ /h - l/s	C	588 - 163	618 - 172	660 - 183
Sound pressure level (h/l)	dB(A)	C	37/30	38/30	40/31
Sound power level (h/l)	dB(A)	C	52	53	55
Dimensions (h x w x d)	mm		268 x 575 x 575	268 x 575 x 575	268 x 575 x 575
Weight	kg		17	17	17

heat pump system

Indoor unit			RAS-M10SMUV-E	RAS-M13SMUV-E	RAS-M16SMUV-E
Air flow (h/l)	m ³ /h - l/s	C	588 - 163	618 - 172	660 - 183
Sound pressure level (h/l)	dB(A)	C	37/30	38/30	40/31
Sound power level (h/l)	dB(A)	C	52	53	55
Air flow (h/l)	m ³ /h - l/s	H	588 - 163	618 - 172	660 - 183
Sound pressure level (h/l)	dB(A)	H	37/30	38/30	40/31
Sound power level (h/l)	dB(A)	H	52	53	55
Dimensions (h x w x d)	mm		268 x 575 x 575	268 x 575 x 575	268 x 575 x 575
Weight	kg		17	17	17

R-410A

DC HYBRID INVERTER

MULTI-SPLIT
OUTDOOR UNIT

Multi-split Outdoor unit

Compact and light
outdoor unit

Up to 70 m pipe run

Features

Toshiba multi-splits are equipped with 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.

Two outdoor units available for any room category to satisfy any application need.

Key features

One of the widest range of outdoor units available.

A perfect combination of DC twin rotary compressor, DC Hybrid Inverter and R-410A refrigerant.

Superior reliability, due to the reduction of the compressor ON/OFF cycles.

Compact, silent and light.

Flexible: this system allows up to 25m piping length for one room ensuring the overall length is not exceeded.

-15 °C operating temperature across all the range.

Technical specifications **cooling only**

Outdoor unit	2-room Multisplit		3-room Multisplit		4-room Multisplit		
	RAS-M14GACV-E	RAS-M18GACV-E	RAS-3M18SACV-E	RAS-3M23GACV-E	RAS-4M23SACV-E	RAS-4M27GACV-E	
Cooling capacity	kW	4,0	5,2	5,2	6,7	6,8	8,0
Cooling capacity (min. – max.)	kW	1,1 – 4,5	1,1 – 6,2	2,2 – 6,5	1,4 – 7,0	3,0 – 7,5	1,4 – 9,2
Power input	kW	1,08	1,60	1,34	2,15	1,95	2,50
EER	W/W	3,70	3,25	3,88	3,12	3,49	3,20
Energy efficiency class		A	A	A	B	A	A
Air flow	m ³ /h – l/s	1820 – 505	2100 – 583	2100 – 583	3000 – 833	2800 – 778	3000 – 833
Sound pressure level	dB(A)	46	48	47	48	47	48
Sound power level	dB(A)	59	61	62	61	62	61
Operating range	°C	5 ÷ 43	5 ÷ 43	5 ÷ 43	10 ÷ 43	5 ÷ 43	10 ÷ 43
Dimensions (h × w × d)	mm	550 × 780 × 290	550 × 780 × 290	695 × 780 × 270	695 × 900 × 320	795 × 900 × 320	795 × 900 × 320
Weight	kg	36	40	47	48	55	65
Compressor type		DC Twin rotary	DC Twin rotary	Twin rotary	DC Twin rotary	Twin rotary	DC Twin rotary
Flare connections							
Gas	in	3/8 × 2	3/8 × 2	3/8" × 3	3/8 × 2 + 1/2	3/8" × 4	3/8 × 3 + 1/2
Liquid	in	1/4 × 2	1/4 × 2	1/4" × 3	1/4 × 3	1/4" × 4	1/4 × 4
Maximum pipe length (per unit/total)	m	20/30	20/30	20/50	20/40	25/60	25/70
Maximum height difference	m	10	10	10	10	15	15
Chargeless pipe length	m	20	20	50	40	40	70
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220-240/1/50, 220/1/60	220/240-1-50	220-240/1/50, 220/1/60	220/240-1-50

Technical specifications **heat pump**

Outdoor unit	2-room Multisplit		3-room Multisplit		4-room Multisplit		
	RAS-M14GAV-E	RAS-M18GAV-E	RAS-3M18SAV-E	RAS-3M26GAV-E	RAS-4M23SAV-E	RAS-4M27GAV-E	
Cooling capacity	kW	4,0	5,2	5,2	7,5	6,8	8,0
Cooling capacity (min. – max.)	kW	1,1 – 4,5	1,1 – 6,2	2,2 – 6,5	1,4 – 8,9	3,0 – 7,5	1,4 – 9,2
Power input	kW	C 1,08	1,60	1,34	2,25	1,95	2,50
EER	W/W	3,70	3,25	3,88	3,33	3,49	3,20
Energy efficiency class		C A	A	A	A	A	B
Heating capacity	kW	4,4	6,7	6,8	9,0	7,2	9,0
Heating capacity (min. – max.)	kW	0,5 – 5,2	0,7 – 8,5	2,2 – 7,7	0,8 – 10,8	2,0 – 8,4	0,8 – 11,0
Power input	kW	H 1,01	1,85	1,60	2,55	1,63	2,25
COP	W/W	4,35	3,62	4,25	3,53	4,42	4,00
Energy efficiency class		H A	A	A	B	A	A
Air flow	m ³ /h – l/s	1820 – 505	2100 – 583	2100 – 583	3000 – 833	2800 – 778	3000 – 833
Sound pressure level	dB(A)	C 46	48	47	48	47	48
Sound power level	dB(A)	C 59	61	62	61	62	61
Operating range	°C	C 5 ÷ 43	5 ÷ 43	5 ÷ 43	10 ÷ 43	5 ÷ 43	10 ÷ 43
Sound pressure level	dB(A)	H 48	50	49	48	48	48
Sound power level	dB(A)	H 61	63	64	61	63	61
Operating range	°C	H –15 ÷ 24	–15 ÷ 24	–15 ÷ 24	–15 ÷ 21	–15 ÷ 24	–15 ÷ 21
Dimensions (h × w × d)	mm	550 × 780 × 290	550 × 780 × 290	695 × 780 × 270	795 × 900 × 320	795 × 900 × 320	795 × 900 × 320
Weight	kg	36	40	47	64	55	65
Compressor type		DC Twin rotary	DC Twin rotary	Twin rotary	DC Twin rotary	Twin rotary	DC Twin rotary
Flare connections							
Gas	in	3/8 × 2	3/8 × 2	3/8" × 3	3/8 × 2 + 1/2	3/8" × 4	3/8 × 3 + 1/2
Liquid	in	1/4 × 2	1/4 × 2	1/4" × 3	1/4 × 3	1/4" × 4	1/4 × 4
Maximum pipe length (per unit/total)	m	20/30	20/30	20/50	25/50	25/60	25/70
Maximum height difference	m	10	10	10	15	15	15
Chargeless pipe length	m	20	20	50	50	40	70
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220-240/1/50, 220/1/60	220/240-1-50	220-240/1/50, 220/1/60	220/240-1-50

C = cooling mode
H = heating mode

Combination ratings (size 14) cooling only

Cooling, 230V

Operating status	Combination		Unit capacity (kW)		Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	2,50	-	1,1	2,5	3,2	170	570	880	1,06	2,92	4,11
	13	-	3,50	-	1,1	3,5	3,8	170	1100	1280	1,06	5,03	5,80
2 unit operation	10	10	1,95	1,95	1,4	3,9	4,4	230	1070	1290	1,43	4,90	5,84
	13	10	2,33	1,67	1,4	4,0	4,5	230	1080	1300	1,43	4,94	5,89

Outdoor unit: RAS-M14GACV-E

Indoor units: RAS-M10SKCVP-E, RAS-M13SKCVP-E, RAS-M10SKCV-E, RAS-M13SKCV-E, RAS-M10GDCV-E, RAS-M13GDCV-E

Combination ratings (size 18) cooling only

Cooling, 230V

Operating status	Combination		Unit capacity (kW)		Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	2,70	-	1,1	2,7	3,2	220	600	880	1,37	2,90	3,66
	13	-	3,70	-	1,1	3,7	4,2	220	1100	1400	1,37	4,88	6,21
	16	-	4,50	-	1,1	4,5	4,9	220	1500	1700	1,37	6,65	7,54
2 unit operation	10	10	2,55	2,55	1,4	5,1	6,1	260	1550	2150	1,61	6,88	9,54
	13	10	2,85	2,35	1,4	5,2	6,2	260	1600	2170	1,61	7,10	9,63
	13	13	2,60	2,60	1,4	5,2	6,2	260	1600	2170	1,61	7,10	9,63
	16	10	3,25	1,95	1,4	5,2	6,2	260	1600	2170	1,61	7,10	9,63

Outdoor unit: RAS-M18GACV-E

Indoor units: RAS-M10SKCVP-E, RAS-M13SKCVP-E, RAS-M16SKCVP-E, RAS-M10SKCV-E, RAS-M13SKCV-E, RAS-M16SKCV-E, RAS-M10SMUCV-E, RAS-M13SMUCV-E, RAS-M16SMUCV-E, RAS-M10GDCV-E, RAS-M13GDCV-E, RAS-M16GDCV

3-room Multisplit small

Combination ratings cooling only

Cooling, 230V

Operating status	Combination			Unit capacity (kW)			Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	2,50	-	-	1,4	2,5	3,2	320	600	850	1,86	3,39	4,02
	13	-	-	3,50	-	-	1,4	3,5	4,2	320	1070	1520	1,86	4,90	6,81
	16	-	-	4,50	-	-	1,4	4,5	5,0	320	1670	1780	1,86	7,49	7,98
2 unit operation	10	10	-	2,40	2,40	-	1,8	4,8	5,9	360	1320	1800	2,06	6,04	8,07
	13	10	-	2,80	2,00	-	1,8	4,8	5,9	360	1320	1800	2,06	6,04	8,07
	16	10	-	3,21	1,79	-	1,8	5,0	6,2	360	1370	1820	2,06	6,27	8,16
	13	13	-	2,50	2,50	-	1,8	5,0	6,2	360	1370	1820	2,06	6,27	8,16
3 unit operation	10	10	10	1,70	1,70	1,70	2,2	5,1	6,3	420	1340	1970	2,40	6,07	8,74
	13	10	10	2,14	1,53	1,53	2,2	5,2	6,5	420	1340	2100	2,40	6,07	9,32
	16	10	10	2,46	1,37	1,37	2,2	5,2	6,5	420	1340	2100	2,40	6,07	9,32
	13	13	10	1,92	1,92	1,37	2,2	5,2	6,5	420	1340	2100	2,40	6,07	9,32

Outdoor unit: RAS-3M18SACV-E

Indoor units: RAS-M10SKCVP-E, RAS-M13SKCVP-E, RAS-M16SKCVP-E, RAS-M10SKCV-E, RAS-M13SKCV-E, RAS-M16SKCV-E, RAS-M10SMUCV-E, RAS-M13SMUCV-E, RAS-M16SMUCV-E, RAS-M10GDCV-E, RAS-M13GDCV-E, RAS-M16GDCV-E

3-room Multisplit big

Combination ratings cooling only

Cooling, 230V

Operating status	Combination			Unit capacity (kW)			Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	2,70	-	-	1,4	2,7	3,2	320	770	950	1,99	3,94	4,86
	13	-	-	3,70	-	-	1,4	3,7	4,4	320	1200	1470	1,99	6,07	7,18
	16	-	-	4,50	-	-	1,4	4,5	4,9	320	1600	1750	1,99	7,32	8,01
2 unit operation	10	10	-	2,70	2,70	-	1,8	5,4	6,0	360	1500	1880	2,24	6,86	8,60
	10	13	-	2,45	3,35	-	1,8	5,8	6,3	360	1800	1970	2,24	8,24	9,02
	10	16	-	2,21	3,69	-	1,8	5,9	6,4	360	1830	2000	2,24	8,38	9,15
	13	13	-	2,95	2,95	-	1,8	5,9	6,4	360	1830	2000	2,24	8,38	9,15
	13	16	-	2,71	3,29	-	1,8	6,0	6,4	360	1850	2000	2,24	8,50	9,15
	16	16	-	3,05	3,05	-	1,8	6,1	6,5	360	1870	2050	2,24	8,56	9,38
3 unit operation	10	10	10	2,13	2,13	2,13	2,2	6,4	7,0	420	1880	2300	2,61	8,6	10,53
	10	10	13	1,99	1,99	2,72	2,2	6,7	7,0	420	2150	2300	2,61	9,84	10,53
	10	13	13	1,80	2,45	2,45	2,2	6,7	7,0	420	2150	2300	2,61	9,84	10,53
	10	10	16	1,83	1,83	3,04	2,2	6,7	7,0	420	2150	2300	2,61	9,84	10,53

Outdoor unit: RAS-3M23GACV-E

Indoor units: RAS-M10SKCVP-E, RAS-M13SKCVP-E, RAS-M16SKCVP-E, RAS-M10SKCV-E, RAS-M13SKCV-E, RAS-M16SKCV-E, RAS-M10GDCV-E, RAS-M13GDCV-E, RAS-M16GDCV-E

4-room Multisplit **small**

Combination ratings **cooling only**

Cooling, 230V

Operating status	Combination				Unit capacity (kW)				Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	-	2,50	-	-	-	1,4	2,5	3,2	320	710	950	1,86	3,63	4,69
	13	-	-	-	3,50	-	-	-	1,4	3,5	4,2	320	1340	1750	1,86	6,33	7,93
	16	-	-	-	4,50	-	-	-	1,4	4,5	5,0	320	2180	2250	1,86	9,77	10,09
2 unit operation	10	10	-	-	2,60	2,60	-	-	1,8	5,2	6,0	360	1500	1800	2,09	7,09	8,24
	13	10	-	-	3,03	2,17	-	-	1,8	5,2	6,0	360	1500	1800	2,09	7,09	8,24
	16	10	-	-	3,60	2,00	-	-	1,8	5,6	6,2	360	1790	1950	2,09	8,19	8,74
	13	13	-	-	2,80	2,80	-	-	1,8	5,6	6,2	360	1790	1950	2,09	8,19	8,74
	16	13	-	-	3,15	2,45	-	-	1,8	5,6	6,2	360	1790	1950	2,09	8,19	8,74
3 unit operation	10	10	10	-	2,03	2,03	2,03	-	2,2	6,1	6,8	420	1840	1950	2,43	8,33	8,74
	13	10	10	-	2,51	1,79	1,79	-	2,2	6,1	6,8	420	1840	1950	2,43	8,33	8,74
	16	10	10	-	2,98	1,66	1,66	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
	13	13	10	-	2,32	2,32	1,66	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
	16	13	10	-	2,70	2,10	1,50	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
	13	13	13	-	2,10	2,10	2,10	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
	16	13	13	-	2,47	2,47	1,37	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
4 unit operation	10	10	10	10	1,70	1,70	1,70	1,70	3,0	6,8	7,5	500	1950	2300	2,90	8,74	10,20
	13	10	10	10	2,16	1,55	1,55	1,55	3,0	6,8	7,5	500	1950	2300	2,90	8,74	10,20
	16	10	10	10	1,75	1,68	1,68	1,68	3,0	6,8	7,5	500	1950	2300	2,90	8,74	10,20
	13	13	10	10	1,98	1,98	1,42	1,42	3,0	6,8	7,5	500	1950	2300	2,90	8,74	10,20

Outdoor unit: RAS-4M23SACV-E

Indoor units: RAS-M10SKCVP-E, RAS-M13SKCVP-E, RAS-M16SKCVP-E, RAS-M10SKCV-E, RAS-M13SKCV-E, RAS-M16SKCV-E, RAS-M10SMUCV-E, RAS-M13SMUCV-E, RAS-M16SMUCV-E, RAS-M10GDCV-E, RAS-M13GDCV-E, RAS-M16GDCV-E

4-room Multisplit **big**

Combination ratings **cooling only**

Cooling, 230V

Operating status	Combination				Unit capacity (kW)				Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	-	2,70	-	-	-	1,4	2,7	3,2	640	750	950	3,52	3,71	4,44
	13	-	-	-	3,70	-	-	-	1,4	3,7	4,4	640	1200	1520	3,52	5,49	6,88
	16	-	-	-	4,50	-	-	-	1,4	4,5	5,0	640	1650	2000	3,52	7,47	8,87
2 unit operation	10	10	-	-	2,70	2,70	-	-	2,5	5,4	6,3	640	1530	2040	3,48	6,79	9,05
	13	10	-	-	3,41	2,49	-	-	2,7	5,9	6,6	660	1810	2220	3,59	8,03	9,85
	16	10	-	-	3,94	2,36	-	-	2,9	6,3	6,9	670	2040	2400	3,64	9,05	10,65
	13	13	-	-	3,15	3,15	-	-	2,9	6,3	6,9	670	2040	2400	3,64	9,05	10,65
	16	13	-	-	3,73	3,07	-	-	3,0	6,8	7,2	690	2320	2570	3,75	10,29	11,40
16	16	-	-	3,60	3,60	-	-	3,2	7,2	7,5	700	2550	2750	3,80	11,31	12,20	
3 unit operation	10	10	10	-	2,53	2,53	2,53	-	3,8	7,6	8,2	950	2400	2720	4,59	10,65	12,07
	13	10	10	-	3,13	2,28	2,28	-	3,9	7,7	8,3	960	2410	2740	4,64	10,69	12,16
	16	10	10	-	3,50	2,10	2,10	-	4,0	7,7	8,5	960	2410	2790	4,64	10,69	12,38
	13	13	10	-	2,82	2,82	2,06	-	4,0	7,7	8,5	960	2410	2790	4,64	10,69	12,38
	16	13	10	-	3,22	2,65	1,93	-	4,1	7,8	8,6	970	2430	2810	4,69	10,78	12,47
	13	13	13	-	2,60	2,60	2,60	-	4,1	7,8	8,6	970	2430	2810	4,69	10,78	12,47
	16	16	10	-	3,04	3,04	1,82	-	4,1	7,9	8,7	970	2440	2830	4,69	10,83	12,56
	16	13	13	-	2,99	2,46	2,46	-	4,1	7,9	8,7	970	2440	2830	4,69	10,83	12,56
	16	16	13	-	2,80	2,80	2,30	-	4,2	7,9	8,9	970	2440	2880	4,69	10,83	12,78
	16	16	16	-	2,67	2,67	2,67	-	4,3	8,0	9,0	980	2450	2900	4,73	10,87	12,87
4 unit operation	10	10	10	10	1,98	1,98	1,98	1,98	4,0	7,9	8,7	930	2450	2800	4,49	10,87	12,42
	13	10	10	10	2,48	1,81	1,81	1,81	4,1	7,9	8,8	940	2450	2820	4,54	10,87	12,51
	16	10	10	10	2,86	1,71	1,71	1,71	4,1	8,0	9,0	940	2500	2860	4,54	11,09	12,69
	13	13	10	10	2,31	2,31	1,69	1,69	4,1	8,0	9,0	940	2500	2860	4,54	11,09	12,69
	16	13	10	10	2,65	2,18	1,59	1,59	4,2	8,0	9,1	950	2500	2880	4,59	11,09	12,78
	13	13	13	10	2,14	2,14	2,14	1,57	4,2	8,0	9,1	950	2500	2880	4,59	11,09	12,78
	16	13	13	10	2,47	2,03	2,03	1,48	4,2	8,0	9,2	950	2500	2900	4,59	11,09	12,87
	13	13	13	13	2,00	2,00	2,00	2,00	4,2	8,0	9,2	950	2500	2900	4,59	11,09	12,87
	16	16	10	10	2,50	2,50	1,50	1,50	4,2	8,0	9,2	950	2500	2900	4,59	11,09	12,87

Outdoor unit: RAS-4M27GACV-E

Indoor units: RAS-B10SKVP-E, RAS-B13SKVP-E, RAS-B16SKVP-E, RAS-M10SKV-E, RAS-M13SKV-E, RAS-M16SKV-E, RAS-M10GDV-E, RAS-M13GDV-E, RAS-M16GDV-E (RAS-M10SMUV-E, RAS-M13SMUV-E, RAS-M16SMUV-E) ... Permitted with condition

Combination ratings (size 14) heat pump

Cooling, 230V

Operating status	Combination		Unit capacity (kW)		Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	2,50	-	1,1	2,5	3,2	170	570	880	1,06	2,92	4,11
	13	-	3,50	-	1,1	3,5	3,8	170	1100	1280	1,06	5,03	5,80
2 unit operation	10	10	1,95	1,95	1,4	3,9	4,4	230	1070	1290	1,43	4,90	5,84
	13	10	2,33	1,67	1,4	4,0	4,5	230	1080	1300	1,43	4,94	5,89

Heating, 230V

Operating status	Combination		Unit capacity (kW)		Heating capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	3,20	-	0,7	3,2	4,0	130	850	1280	0,81	3,89	6,41
	13	-	4,20	-	0,7	4,2	4,4	130	1250	1350	0,81	5,60	6,86
2 unit operation	10	10	2,15	2,15	0,9	4,3	4,6	170	980	1230	1,06	4,39	5,51
	13	10	2,50	1,90	0,9	4,4	4,7	170	1010	1250	1,06	4,53	5,60

Outdoor unit:

RAS-M14GAV-E

Indoor units:

RAS-B10SKVP-E, RAS-B13SKVP-E, RAS-M10SKV-E, RAS-M13SKV-E, RAS-M10GDV-E
RAS-M13GDV-E

Combination ratings (size 18) heat pump

Cooling, 230V

Operating status	Combination		Unit capacity (kW)		Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	2,70	-	1,1	2,7	3,2	220	600	800	1,37	2,90	3,66
	13	-	3,70	-	1,1	3,7	4,2	220	1100	1400	1,37	4,88	6,21
	16	-	4,50	-	1,1	4,5	4,9	220	1500	1700	1,37	6,65	7,54
2 unit operation	10	10	2,55	2,55	1,4	5,1	6,1	260	1550	2150	1,61	6,88	9,54
	13	10	3,01	2,19	1,4	5,2	6,2	260	1600	2170	1,61	7,10	9,63
	13	13	2,60	2,60	1,4	5,2	6,2	260	1600	2170	1,61	7,10	9,63
	16	10	3,25	1,95	1,4	5,2	6,2	260	1600	2170	1,61	7,10	9,63

Heating, 230V

Operating status	Combination		Unit capacity (kW)		Heating capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	4,00	-	0,70	4,0	5,2	170	1200	1700	1,06	5,32	7,54
	13	-	5,00	-	0,70	5,0	6,5	170	1800	2530	1,06	7,99	11,22
	16	-	5,50	-	0,70	5,5	6,9	170	1900	2530	1,06	8,43	11,22
2 unit operation	10	10	3,20	3,20	0,90	6,4	8,3	200	1800	2390	1,24	7,99	10,60
	13	10	3,72	2,98	0,90	6,7	8,7	200	1850	2450	1,24	8,21	10,87
	13	13	3,35	3,35	0,90	6,7	8,7	200	1850	2450	1,24	8,21	10,87
	16	10	3,88	2,82	0,90	6,7	8,7	200	1850	2450	1,24	8,21	10,87

Outdoor unit:

RAS-M18GAV-E

Indoor units:

RAS-B10SKVP-E, RAS-B13SKVP-E, RAS-B16SKVP-E, RAS-M10SKV-E, RAS-M13SKV-E
RAS-M16SKV-E, RAS-M10SMUV-E, RAS-M13SMUV-E, RAS-M16SMUV-E, RAS-M10GDV-E
RAS-M13GDV-E, RAS-M16GDV-E

3-room Multisplit **small**

Combination ratings **heat pump**

Cooling, 230 V

Operating status	Combination			Unit capacity (kW)			Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	2,50	-	-	1,4	2,5	3,2	320	600	850	1,86	3,39	4,02
	13	-	-	3,50	-	-	1,4	3,5	4,2	320	1070	1520	1,86	4,90	6,81
	16	-	-	4,50	-	-	1,4	4,5	5,0	320	1670	1780	1,86	7,49	7,98
2 unit operation	10	10	-	2,40	2,40	-	1,8	4,8	5,9	360	1320	1800	2,06	6,04	8,07
	13	10	-	2,80	2,00	-	1,8	4,8	5,9	360	1320	1800	2,06	6,04	8,07
	16	10	-	3,21	1,79	-	1,8	5,0	6,2	360	1370	1820	2,06	6,27	8,16
	13	13	-	2,50	2,50	-	1,8	5,0	6,2	360	1370	1820	2,06	6,27	8,16
3 unit operation	10	10	10	1,70	1,70	1,70	2,2	5,1	6,3	420	1340	1970	2,40	6,07	8,74
	13	10	10	2,14	1,53	1,53	2,2	5,2	6,5	420	1340	2100	2,40	6,07	9,32
	16	10	10	2,46	1,37	1,37	2,2	5,2	6,5	420	1340	2100	2,40	6,07	9,32
	13	13	10	1,92	1,92	1,37	2,2	5,2	6,5	420	1340	2100	2,40	6,07	9,32

Heating, 230 V

Operating status	Combination			Unit capacity (kW)			Heating capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	3,40	-	-	0,8	3,4	4,5	300	1050	1500	1,74	4,86	6,79
	13	-	-	4,30	-	-	0,8	4,3	4,8	300	1470	1600	1,74	6,66	7,25
	16	-	-	5,20	-	-	0,8	5,2	6,0	300	1850	2050	1,74	8,29	9,09
2 unit operation	10	10	-	3,10	3,10	-	1,8	6,2	7,3	360	1720	2140	2,06	7,79	9,49
	13	10	-	3,46	2,74	-	1,8	6,2	7,3	360	1720	2140	2,06	7,79	9,49
	16	10	-	3,87	2,53	-	1,8	6,4	7,5	360	1840	2200	2,06	8,33	9,76
	13	13	-	3,20	3,20	-	1,8	6,4	7,5	360	1840	2200	2,06	8,33	9,76
3 unit operation	10	10	10	2,23	2,23	2,23	2,2	6,7	7,5	420	1580	1950	2,40	7,16	8,74
	13	10	10	2,63	2,08	2,08	2,2	6,8	7,7	420	1600	2030	2,40	7,25	9,01
	16	10	10	2,95	1,93	1,93	2,2	6,8	7,7	420	1600	2030	2,40	7,25	9,01
	13	13	10	2,44	2,44	1,93	2,2	6,8	7,7	420	1600	2030	2,40	7,25	9,01

Outdoor unit: RAS-3M18SAV-E

Indoor units: RAS-B10SKVP-E, RAS-B13SKVP-E, RAS-B16SKVP-E, RAS-M10SKV-E, RAS-M13SKV-E, RAS-M16SKV-E, RAS-M10SMUV-E, RAS-M13SMUV-E, RAS-M16SMUV-E, RAS-M10GDV-E, RAS-M13GDV-E, RAS-M16GDV-E

3-room Multisplit **big**

Combination ratings **heat pump**

Cooling, 230 V

Operating status	Combination			Unit capacity (kW)			Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	2,70	-	-	1,4	2,7	3,2	640	750	950	3,52	3,71	4,44
	13	-	-	3,70	-	-	1,4	3,7	4,4	640	1200	1520	3,52	5,49	6,88
	16	-	-	4,50	-	-	1,4	4,5	5,0	640	1650	2000	3,52	7,47	8,87
2 unit operation	10	10	-	2,70	2,70	-	2,5	5,4	6,3	640	1530	2040	3,48	6,79	9,05
	13	10	-	3,41	2,49	-	2,7	5,9	6,6	660	1810	2220	3,59	8,03	9,85
	16	10	-	3,94	2,36	-	2,9	6,3	6,9	670	2040	2400	3,64	9,05	10,65
	13	13	-	3,15	3,15	-	2,9	6,3	6,9	670	2040	2400	3,64	9,05	10,65
	16	13	-	3,73	3,07	-	3,0	6,8	7,2	690	2320	2570	3,75	10,29	11,40
	16	16	-	3,60	3,60	-	3,2	7,2	7,5	700	2550	2750	3,80	11,31	12,20
3 unit operation	10	10	10	2,47	2,47	2,47	3,6	7,4	8,2	950	2230	2720	4,59	9,89	12,07
	13	10	10	3,01	2,20	2,20	3,9	7,4	8,3	950	2230	2750	4,59	9,89	12,20
	16	10	10	3,36	2,02	2,02	4,0	7,4	8,5	950	2230	2820	4,59	9,89	12,51
	13	13	10	2,71	2,71	1,98	4,0	7,4	8,5	950	2230	2820	4,59	9,89	12,51
	16	13	10	3,10	2,55	1,86	4,0	7,5	8,6	980	2250	2850	4,73	9,98	12,64
	13	13	13	2,50	2,50	2,50	4,0	7,5	8,6	980	2250	2850	4,73	9,98	12,64
	16	16	10	2,88	2,88	1,73	4,1	7,5	8,8	980	2250	2920	4,73	9,98	12,95
	16	13	13	2,84	2,33	2,33	4,1	7,5	8,8	980	2250	2920	4,73	9,98	12,95
	16	16	13	2,66	2,66	2,19	4,2	7,5	8,9	980	2250	2950	4,73	9,98	13,09

Heating, 230 V

Operating status	Combination			Unit capacity (kW)			Heating capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	4,00	-	-	0,8	4,0	5,20	300	1500	1980	1,79	6,65	8,78
	13	-	-	5,00	-	-	0,8	5,0	6,50	310	2050	2750	1,85	9,09	12,20
	16	-	-	5,50	-	-	0,8	5,5	6,90	310	2400	3000	1,85	10,65	13,31
2 unit operation	10	10	-	3,60	3,60	-	1,5	7,2	10,0	320	2050	3200	1,86	9,09	14,20
	13	10	-	4,22	3,38	-	1,5	7,6	10,1	320	2240	3210	1,86	9,94	14,24
	16	10	-	4,57	3,33	-	1,5	7,9	10,1	320	2380	3230	1,86	10,56	14,33
	13	13	-	3,95	3,95	-	1,5	7,9	10,1	320	2380	3230	1,86	10,56	14,33
	16	13	-	4,35	3,95	-	1,5	8,3	10,2	320	2560	3240	1,86	11,36	14,37
	16	16	-	4,30	4,30	-	1,5	8,6	10,2	320	2700	3250	1,86	11,98	14,42
3 unit operation	10	10	10	2,87	2,87	2,87	2,0	8,6	10,4	380	2300	2750	2,07	10,20	12,20
	13	10	10	3,35	2,68	2,68	2,0	8,7	10,5	380	2360	2760	2,07	10,47	12,24
	16	10	10	3,59	2,61	2,61	2,0	8,8	10,6	380	2430	2780	2,07	10,78	12,33
	13	13	10	3,14	3,14	2,51	2,0	8,8	10,6	380	2430	2780	2,07	10,78	12,33
	16	13	10	3,34	3,03	2,43	2,0	8,8	10,6	380	2430	2780	2,07	10,78	12,33
	13	13	13	2,93	2,93	2,93	2,0	8,8	10,6	380	2430	2780	2,07	10,78	12,33
	16	16	10	3,26	3,26	2,37	2,0	8,9	10,7	380	2490	2790	2,07	11,05	12,38
	16	13	13	3,16	2,87	2,87	2,0	8,9	10,7	380	2490	2790	2,07	11,05	12,38
	16	16	13	3,09	3,09	2,81	2,0	9,0	10,8	380	2550	2800	2,07	11,31	12,42

Outdoor unit: RAS-3M26GAV-E

Indoor units: RAS-B10SKVP-E, RAS-B13SKVP-E, RAS-B16SKVP-E, RAS-M10SKV-E, RAS-M13SKV-E, RAS-M16SKV-E, RAS-M10SMUV-E, RAS-M13SMUV-E, RAS-M16SMUV-E, RAS-M10GDV-E, RAS-M13GDV-E, RAS-M16GDV-E

4-room Multisplit small

Combination ratings heat pump

Cooling, 230V

Operating status	Combination				Unit capacity (kW)				Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	-	2,50	-	-	-	1,4	2,5	3,2	320	710	950	1,86	3,63	4,69
	13	-	-	-	3,50	-	-	-	1,4	3,5	4,2	320	1340	1750	1,86	6,33	7,93
	16	-	-	-	4,50	-	-	-	1,4	4,5	5,0	320	2180	2250	1,86	9,77	10,09
2 unit operation	10	10	-	-	2,60	2,60	-	-	1,8	5,2	6,0	360	1500	1800	2,09	7,09	8,24
	13	10	-	-	3,03	2,17	-	-	1,8	5,2	6,0	360	1500	1800	2,09	7,09	8,24
	16	10	-	-	3,60	2,00	-	-	1,8	5,6	6,2	360	1790	1950	2,09	8,19	8,74
	13	13	-	-	2,80	2,80	-	-	1,8	5,6	6,2	360	1790	1950	2,09	8,19	8,74
	16	13	-	-	3,15	2,45	-	-	1,8	5,6	6,2	360	1790	1950	2,09	8,19	8,74
3 unit operation	10	10	10	-	2,03	2,03	2,03	-	2,2	6,1	6,8	420	1840	1950	2,43	8,33	8,74
	13	10	10	-	2,51	1,79	1,79	-	2,2	6,1	6,8	420	1840	1950	2,43	8,33	8,74
	16	10	10	-	2,98	1,66	1,66	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
	13	13	10	-	2,32	2,32	1,66	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
	16	13	10	-	2,70	2,10	1,50	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
	13	13	13	-	2,10	2,10	2,10	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
	16	13	13	-	2,47	2,47	1,37	-	2,2	6,3	7,1	420	1950	2200	2,43	8,74	9,76
4 unit operation	10	10	10	10	1,70	1,70	1,70	1,70	3,0	6,8	7,5	500	1950	2300	2,90	8,74	10,20
	13	10	10	10	2,16	1,55	1,55	1,55	3,0	6,8	7,5	500	1950	2300	2,90	8,74	10,20
	16	10	10	10	1,75	1,68	1,68	1,68	3,0	6,8	7,5	500	1950	2300	2,90	8,74	10,20
	13	13	10	10	1,98	1,98	1,42	1,42	3,0	6,8	7,5	500	1950	2300	2,90	8,74	10,20

Heating, 230V

Operating status	Combination				Unit capacity (kW)				Heating capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	-	3,20	-	-	-	1,4	3,2	4,5	320	1120	1850	1,86	5,29	8,29
	13	-	-	-	4,30	-	-	-	1,4	4,3	4,8	320	1800	2050	1,86	8,07	9,19
	16	-	-	-	5,20	-	-	-	1,4	5,2	6,0	320	2260	2660	1,86	10,03	11,80
2 unit operation	10	10	-	-	3,05	3,05	-	-	1,8	6,1	7,1	360	1680	2380	2,09	7,61	10,56
	13	10	-	-	3,50	2,60	-	-	1,8	6,1	7,1	360	1680	2380	2,09	7,61	10,56
	16	10	-	-	3,90	2,40	-	-	1,8	6,3	7,3	360	1790	2430	2,09	8,02	10,78
	13	13	-	-	3,15	3,15	-	-	1,8	6,3	7,3	360	1790	2430	2,09	8,02	10,78
	16	13	-	-	3,45	2,85	-	-	1,8	6,3	7,3	360	1790	2430	2,09	8,02	10,78
3 unit operation	10	10	10	-	2,17	2,17	2,17	-	2,2	6,5	7,8	420	1650	2150	2,43	7,47	9,54
	13	10	10	-	2,61	1,94	1,94	-	2,2	6,5	7,8	420	1650	2150	2,43	7,47	9,54
	16	10	10	-	3,00	1,85	1,85	-	2,2	6,7	8,0	420	1750	2200	2,43	7,84	9,76
	13	13	10	-	2,44	2,44	1,82	-	2,2	6,7	8,0	420	1750	2200	2,43	7,84	9,76
	16	13	10	-	2,74	2,27	1,69	-	2,2	6,7	8,0	420	1750	2200	2,43	7,84	9,76
	13	13	13	-	2,23	2,23	2,23	-	2,2	6,7	8,0	420	1750	2200	2,43	7,84	9,76
	16	13	13	-	2,56	2,56	1,58	-	2,2	6,7	8,0	420	1750	2200	2,43	7,84	9,76
4 unit operation	10	10	10	10	1,80	1,80	1,80	1,80	2,0	7,2	8,4	500	1630	2110	2,90	7,31	9,36
	13	10	10	10	2,23	1,66	1,66	1,66	2,0	7,2	8,4	500	1630	2110	2,90	7,31	9,36
	16	10	10	10	1,74	1,82	1,82	1,82	2,0	7,2	8,4	500	1630	2110	2,90	7,31	9,36
	13	13	10	10	2,06	2,06	1,54	1,54	2,0	7,2	8,4	500	1630	2110	2,90	7,31	9,36

Outdoor unit:

RAS-4M23SAV-E

Indoor units:

RAS-B10SKVP-E, RAS-B13SKVP-E, RAS-B16SKVP-E, RAS-M10SKV-E, RAS-M13SKV-E
 RAS-M16SKV-E, RAS-M10SMUV-E, RAS-M13SMUV-E, RAS-M16SMUV-E, RAS-M10GDV-E
 RAS-M13GDV-E, RAS-M16GDV-E

4-room Multisplit big

Combination ratings heat pump

Cooling, 230V

Operating status	Combination				Unit capacity (kW)				Cooling capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	-	2,70	-	-	-	1,4	2,7	3,2	640	750	950	3,52	3,71	4,44
	13	-	-	-	3,70	-	-	-	1,4	3,7	4,4	640	1200	1520	3,52	5,49	6,88
	16	-	-	-	4,50	-	-	-	1,4	4,5	5,0	640	1650	200	3,52	7,47	8,87
2 unit operation	10	10	-	-	2,70	2,70	-	-	2,5	5,4	6,3	640	1530	2040	3,48	6,79	9,05
	13	10	-	-	3,41	2,49	-	-	2,7	5,9	6,6	660	1810	2220	3,59	8,03	9,85
	16	10	-	-	3,94	2,36	-	-	2,9	6,3	6,9	670	2040	2400	3,64	9,05	10,65
	13	13	-	-	3,15	3,15	-	-	2,9	6,3	6,9	670	2040	2400	3,64	9,05	10,65
	16	13	-	-	3,73	3,07	-	-	3,0	6,8	7,2	690	2320	2570	3,75	10,29	11,40
	16	16	-	-	3,60	3,60	-	-	3,2	7,2	7,5	700	2550	2750	3,80	11,31	12,20
3 unit operation	10	10	10	-	2,53	2,53	2,53	-	3,6	7,6	8,2	950	2400	2720	4,59	10,65	12,07
	13	10	10	-	3,13	2,28	2,28	-	3,9	7,7	8,3	960	2410	2740	4,64	10,69	12,16
	16	10	10	-	3,50	2,10	2,10	-	4,0	7,7	8,5	960	2410	2790	4,64	10,69	12,38
	13	13	10	-	2,82	2,82	2,06	-	4,0	7,7	8,5	960	2410	2790	4,64	10,69	12,38
	16	13	10	-	3,22	2,65	1,93	-	4,1	7,8	8,6	970	2430	2810	4,69	10,78	12,47
	13	13	13	-	2,60	2,60	2,60	-	4,1	7,8	8,6	970	2430	2810	4,69	10,78	12,47
	16	16	10	-	3,04	3,04	1,82	-	4,1	7,9	8,7	970	2440	2830	4,69	10,83	12,56
	16	13	13	-	2,99	2,46	2,46	-	4,1	7,9	8,7	970	2440	2830	4,69	10,83	12,56
	16	16	13	-	2,80	2,80	2,30	-	4,2	7,9	8,9	970	2440	2880	4,69	10,83	12,78
	16	16	16	-	2,67	2,67	2,67	-	4,3	8,0	9,0	980	2450	2900	4,73	10,87	12,87
4 unit operation	10	10	10	10	1,98	1,98	1,98	1,98	4,0	7,9	8,7	930	2450	2800	4,49	10,87	12,42
	13	10	10	10	2,48	1,81	1,81	1,81	4,1	7,9	8,8	940	2450	2820	4,54	10,87	12,51
	16	10	10	10	2,86	1,71	1,71	1,71	4,1	8,0	9,0	940	2500	2860	4,54	11,09	12,69
	13	13	10	10	2,31	2,31	1,69	1,69	4,1	8,0	9,0	940	2500	2860	4,54	11,09	12,69
	16	13	10	10	2,65	2,18	1,59	1,59	4,2	8,0	9,1	950	2500	2880	4,59	11,09	12,78
	13	13	13	10	2,14	2,14	2,14	1,57	4,2	8,0	9,1	950	2500	2880	4,59	11,09	12,78
	16	13	13	10	2,47	2,03	2,03	1,48	4,2	8,0	9,2	950	2500	2900	4,59	11,09	12,87
	13	13	13	13	2,00	2,00	2,00	2,00	4,2	8,0	9,2	950	2500	2900	4,59	11,09	12,87
	16	16	10	10	2,50	2,50	1,50	1,50	4,2	8,0	9,2	950	2500	2900	4,59	11,09	12,87

Heating, 230V

Operating status	Combination				Unit capacity (kW)				Heating capacity (kW)			Power input (W)			Operating current (A)		
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	Min.	Rated	Max.	Min.	Rated	Max.	Min.	Rated	Max.
1 unit operation	10	-	-	-	4,00	-	-	-	0,8	4,0	5,2	300	1450	1980	1,79	6,43	8,78
	13	-	-	-	5,00	-	-	-	0,8	5,0	6,5	310	2050	2750	1,85	9,09	12,20
	16	-	-	-	5,50	-	-	-	0,8	5,5	6,9	310	2400	3000	1,85	10,65	13,31
2 unit operation	10	10	-	-	3,60	3,60	-	-	1,5	7,2	10,0	320	2100	3200	1,86	9,32	14,20
	13	10	-	-	4,22	3,38	-	-	1,5	7,6	10,1	320	2320	3210	1,86	10,29	14,24
	16	10	-	-	4,57	3,33	-	-	1,5	7,9	10,1	320	2480	3230	1,86	11,00	14,33
	13	13	-	-	3,95	3,95	-	-	1,5	7,9	10,1	320	2480	3230	1,86	11,00	14,33
	16	13	-	-	4,35	3,95	-	-	1,5	8,3	10,2	320	2700	3240	1,86	11,98	14,37
	16	16	-	-	4,30	4,30	-	-	1,5	8,6	10,2	320	2860	3250	1,86	12,69	14,42
3 unit operation	10	10	10	-	2,87	2,87	2,87	-	2,0	8,6	10,4	380	2300	2750	2,07	10,20	12,20
	13	10	10	-	3,35	2,68	2,68	-	2,0	8,7	10,5	380	2350	2760	2,07	10,43	12,24
	16	10	10	-	3,54	2,58	2,58	-	2,0	8,7	10,5	380	2350	2760	2,07	10,43	12,24
	13	13	10	-	3,11	3,11	2,49	-	2,0	8,7	10,5	380	2350	2780	2,07	10,43	12,24
	16	13	10	-	3,34	3,03	2,43	-	2,0	8,8	10,6	380	2400	2780	2,07	10,65	12,33
	13	13	13	-	2,93	2,93	2,93	-	2,0	8,8	10,6	380	2400	2790	2,07	10,65	12,33
	16	16	10	-	3,26	2,26	2,37	-	2,0	8,9	10,7	380	2450	2790	2,07	10,87	12,38
	16	13	13	-	3,16	2,87	2,87	-	2,0	8,9	10,7	380	2450	2790	2,07	10,87	12,38
	16	16	13	-	3,06	3,06	2,78	-	2,0	8,9	10,7	380	2450	2790	2,07	10,87	12,38
	16	16	16	-	3,00	3,00	3,00	-	2,0	9,0	10,8	380	2500	2800	2,07	11,09	12,42
4 unit operation	10	10	10	10	2,23	2,23	2,23	2,23	2,2	8,9	10,8	450	2100	2810	2,45	9,32	12,47
	13	10	10	10	2,62	2,09	2,09	2,09	2,2	8,9	10,9	460	2100	2830	2,5	9,32	12,56
	16	10	10	10	2,83	2,06	2,06	2,06	2,2	9,0	10,9	460	2250	2830	2,5	9,98	12,56
	13	13	10	10	2,50	2,50	2,00	2,00	2,2	9,0	10,9	470	2250	2830	2,55	9,98	12,56
	16	13	10	10	2,68	2,43	1,95	1,95	2,2	9,0	11,0	480	2250	2850	2,61	9,98	12,64
	13	13	13	10	2,37	2,37	2,37	1,89	2,2	9,0	11,0	480	2250	2850	2,61	9,98	12,64
	16	13	13	10	2,54	2,31	2,31	1,85	2,2	9,0	11,0	490	2250	2850	2,66	9,98	12,64
	13	13	13	13	2,25	2,25	2,25	2,25	2,2	9,0	11,0	490	2250	2850	2,66	9,98	12,64
	16	16	10	10	2,61	2,61	1,89	1,89	2,2	9,0	11,0	500	2250	2850	2,72	9,98	12,64

Outdoor unit:

RAS-4M27GAV-E

Indoor units:

RAS-B10SKVP-E, RAS-B13SKVP-E, RAS-B16SKVP-E, RAS-M10SKV-E, RAS-M13SKV-E
 RAS-M16SKV-E, RAS-M10GDV-E, RAS-M13GDV-E, RAS-M16GDV-E
 (RAS-M10SMUV-E, RAS-M13SMUV-E, RAS-M16SMUV-E) ... Permitted with condition

Address