



CHOOSE YOUR ADAPTED SYSTEM SOLUTION

		MULTISPLIT INDOOR UNITS							
Indoor Units sizes		05	07	10	13	16	18	22	24
Indoor Units cooling capacity		1.5 kW	2 kW	2.5 kW	3.5 kW	4.5 kW	5.0 kW	6.0 kW	7.0 kW
Hi-wall - DAISEIKAI 9 R32 RAS-M**PKVSG-E				■	■	■			
Hi-wall - SHORAI R32 RAS-M/B**PKVSG-E		■	■	■	■	■		■	■
Hi-wall - MIRAI R32 RAS-B**BKVG-E		■	■	■	■	■			
Console R32 RAS-B**U2FVG-E				■	■		■		
New Compact Cassette R32 RAS-M**U2MUVG-E				■	■	■			
Ducted R32 RAS-M**U2DVG-E			■	■	■	■		■	■

■ : Indoor units available sizes

		MULTISPLIT OUTDOOR							
Indoor Units sizes		05	07	10	13	16	18	22	24
Indoor units cooling capacity		1.5 kW	2 kW	2.5 kW	3.5 kW	4.5 kW	5.0 kW	6.0 kW	7.0 kW
2 Rooms R32 RAS-2M10U2AVG-E CDU Cooling capacity: 3.3 kW		■	■	■					
2 Rooms R32 RAS-2M14U2AVG-E CDU Cooling capacity: 4.0 kW		■	■	■	■				
2 Rooms R32 RAS-2M18U2AVG-E CDU Cooling capacity: 5.2 kW		■	■	■	■	■			
3 Rooms R32 RAS-3M18U2AVG-E CDU Cooling capacity: 5.2 kW		■	■	■	■	■			
3 Rooms R32 RAS-3M26U2AVG-E CDU Cooling capacity: 7.5 kW		■	■	■	■	■	■	■	■
4 Rooms R32 RAS-4M27U2AVG-E CDU Cooling capacity: 8.0 kW		■	■	■	■	■	■	■	■
5 Rooms R32 RAS-5M34U2AVG-E CDU Cooling capacity: 10.0 kW		■	■	■	■	■	■	■	■

■ : Indoor units sizes compatibility with outdoor units

COMPATIBILITIES	2 ROOMS			3 ROOMS		4 ROOMS	5 ROOMS
	RAS-2M10U2AVG-E	RAS-2M14U2AVG-E	RAS-2M18U2AVG-E	RAS-3M18U2AVG-E	RAS-3M26U2AVG-E	RAS-4M27U2AVG-E	RAS-5M34U2AVG-E
IDU sizes							
05	✓	✓	✓	✓	✓	✓	✓
07	✓	✓	✓	✓	✓	✓	✓
10	✓	✓	✓	✓	✓	✓	✓
13		✓	✓	✓	✓	✓	✓
16			✓	✓	✓	✓	✓
18					✓	✓	✓
22					✓	✓	✓
24					✓	✓	✓

✓ : compatibilities

MULTIPLIT INVERTER R32

CDU PERFORMANCES



Performance data

Outdoor unit		2-room Multisplit RAS-2M10U2AVG-E	2-room Multisplit RAS-2M14U2AVG-E	2-room Multisplit RAS-2M18U2AVG-E	3-room Multisplit RAS-3M18U2AVG-E	3-room Multisplit RAS-3M26U2AVG-E	4-room Multisplit RAS-4M27U2AVG-E	5-room Multisplit RAS-5M34U2AVG-E
Cooling capacity	kW	3.3	4.0	5.2	5.2	7.5	8.0	10.0
Cooling capacity (min. - max.)	kW	1.25 - 3.9	1.6 - 4.9	1.7 - 6.2	2.4 - 6.5	4.1 - 9.0	4.2 - 9.3	3.7 - 11.0
Power input	kW C	0.76	0.92	1.34	1.17	2.00	2.29	2.98
EER	W/W	4.35	4.35	3.88	4.44	3.75	3.50	3.36
SEER		6.73	6.73	6.90	6.8	6.19	6.11	6.31
Energy efficiency class	C	A++	A++	A++	A++	A++	A++	A++
Heating capacity	kW	4.0	4.4	5.6	6.8	9.0	9.0	12.0
Heating capacity (min. - max.)	kW	1.00 - 4.90	1.30 - 5.20	1.30 - 7.50	1.90 - 8.00	2.0 - 11.2	2.9 - 11.7	2.7 - 14.0
Power input	kW H	0.81	0.89	1.19	1.58	2.20	1.93	2.83
COP	W/W	4.94	4.94	4.10	4.30	4.09	4.67	4.24
SCOP		4.60	4.60	4.60	4.60	4.44	4.26	4.08
Energy efficiency class	H	A++	A++	A++	A++	A++	A++	A+

Physical data outdoor

Outdoor unit		2-room Multisplit RAS-2M10U2AVG-E	2-room Multisplit RAS-2M14U2AVG-E	2-room Multisplit RAS-2M18U2AVG-E	3-room Multisplit RAS-3M18U2AVG-E	3-room Multisplit RAS-3M26U2AVG-E	4-room Multisplit RAS-4M27U2AVG-E	5-room Multisplit RAS-5M34U2AVG-E
Air flow	m³/h - l/s C	1863-517	1863-517	2107-585	2177-605	2507-696	2507-696	3245-901
Sound pressure level	dB(A) C	45	45	47	49	48	48	52
Sound power level	dB(A) C	58	58	60	62	63	63	66
Operating range	°C C	-10/46	-10/46	-10/46	-10/46	-10/46	-10/46	-10/46
Air flow	m³/h - l/s H	1863-517	1863-517	2038-566	2107-585	2507-696	2507-696	3562-989
Sound pressure level	dB(A) H	46	46	50	50	49	49	55
Sound power level	dB(A) H	59	59	63	63	64	64	68
Operating range	°C H	-20/24	-20/24	-20/24	-20/24	-15/24	-15/24	-15/24
Dimensions (HxWxD)	mm	630 x 800 x 300	630 x 800 x 300	630 x 800 x 300	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight	kg	38	43	45	46	72	72	78
Compressor type		DC Single Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Flare connections - gas		1/4" x 2	1/4" x 2	1/4" x 2	1/4" x 2	3/8" x 1 + 1/2" x 2	3/8" x 2 + 1/2" x 2	3/8" x 3 + 1/2" x 2
Flare connections - liquid		3/8" x 2	3/8" x 2	3/8" x 2	3/8" x 2 + 1/2" x 1	1/4" x 3	1/4" x 4	1/4" x 5
Maximum pipe length (per unit/total)	m	15/20	20/30	20/30	25/50	25 / 70	25 / 70	25 / 80
Maximum height difference	m	10	10	10	10	15	15	15
Chargeless pipe length	m	20	30	30	50	40	40	40
Power supply	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50

C: cooling mode

H: heating mode

Numbers in red is preliminary data.

E: European Union

TR: Turkey



RAS MULTI INDOOR UNITS

DAISEIKAI 9



- Toshiba indoor air quality with Plasma Air Purifier
- 3D airflow with 6 unique airflow patterns
- Silent operation outdoor unit & Power select mode
- Wireless remote control back-lighted included
- Self-cleaning function / Weekly timer / 8°C button
- Extremely silent operation

Physical data indoor

Indoor unit			RAS-M10PKVPG-E	RAS-M13PKVPG-E	RAS-M16PKVPG-E
Air flow	m ³ /h - l/s	C	672 - 187	672 - 187	672 - 187
Sound pressure level (h/l)	dB(A)	C	42/20	43/20	44/23
Sound power level (h/l)	dB(A)	C	57	58	59
Air flow	m ³ /h - l/s	H	726 - 202	726 - 202	642 - 178
Sound pressure level (h/l)	dB(A)	H	44/20	44/20	45/23
Sound power level (h/l)	dB(A)	H	59	59	60
Dimensions (h x w x d)	mm		293 x 851 x 270	293 x 851 x 270	293 x 851 x 270
Weight	kg		14	14	14
Flare connections (gas-liquid)			3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"

SHORAI



- Toshiba indoor air quality filter
- 3D airflow with 6 unique airflow patterns (22k&24k)
- Power select mode
- Self-cleaning function
- Silent operation

Physical data indoor

Indoor unit			RAS-M05PKVSG-E	RAS-M07PKVSG-E	RAS-B10PKVSG-E	RAS-B13PKVSG-E	RAS-B16PKVSG-E	RAS-B22PKVSG-E	RAS-B24PKVSG-E
Air flow	m ³ /h - l/s	C	540 - 150	540 - 150	564 - 156	624 - 173	750 - 208	984 - 273	1074 - 298
Sound pressure level (h/l)	dB(A)	C	39/24	39/24	38/23	39/23	43/25	45/34	47/35
Sound power level (h/l)	dB(A)	C	54/39	54/39	53/38	54/38	58/40	60/49	62/50
Air flow	m ³ /h - l/s	H	552 - 153	552 - 153	600 - 166	624 - 173	768 - 213	984 - 273	1128 - 323
Sound pressure level (h/l)	dB(A)	H	39/24	39/24	39/24	39/24	43/26	46/24	48/35
Sound power level (h)	dB(A)	H	54/39	54/39	54/39	54/39	58/41	61/49	63/50
Dimensions (h x w x d)	mm		293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250	320x1050x250
Weight	kg		9	9	9	10	10	14	14
Flare connections (gas-liquid)			3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"	1/2" - 1/4"	1/2" - 1/4"

MIRAI



- Elegant compact design
- Self-cleaning function
- Silent operation

Physical data outdoor

Indoor unit			RAS-B05BKVG-E	RAS-B07BKVG-E	RAS-B10BKVG-E	RAS-B13BKVG-E	RAS-B16BKVG-E
Air flow	m ³ /h - l/s	C	510 - 141	522 - 145	540 - 150	600 - 166	750 - 208
Sound pressure level (h/l)	dB(A)	C	37/22	38/23	39/24	41/24	43/25
Sound power level (h/l)	dB(A)	C	52/37	53/38	54/39	56/39	58/40
Air flow	m ³ /h - l/s	H	522 - 145	534 - 148	552 - 153	618 - 171	768 - 213
Sound pressure level (h/l)	dB(A)	H	37/22	38/23	39/24	42/24	43/26
Sound power level (h/l)	dB(A)	H	52/37	53/38	54/39	57/39	58/41
Dimensions (h x w x d)	mm		293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Weight	kg		9	9	9	9	10
Flare connections (gas-liquid)			3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"

C: cooling mode
H: heating mode



CONSOLE

- Bi-flow air delivery system
- TOSHIBA Indoor air quality filtration
- Child lock function on the unit display panel
- Wireless remote control included

Physical data indoor

Indoor unit			RAS-B10UFVG-E	RAS-B13UFVG-E	RAS-B18UFVG-E
Air flow	m ³ /h - l/s	C	468 - 130	510 - 142	600 - 167
Sound pressure level (h/l)	dB(A)	C	39/26	40/27	46/34
Sound power level (h/l)	dB(A)	C	54	55	61
Air flow	m ³ /h - l/s	H	510 - 142	552 - 153	642 - 178
Sound pressure level (h/l)	dB(A)	H	39/26	40/27	46/34
Sound power level (h/l)	dB(A)	H	54	55	61
Dimensions (h x w x d)	mm		600 x 700 x 220	600 x 700 x 220	600 x 700 x 220
Weight	kg		16	16	16
Flare connections (gas-liquid)			3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"



COMPACT CASSETTE

- 4 way air diffusion grille
- Elegant Flat Panel modern design & Compact dimensions to suit 600x600mm grid ceilings
- Wired or Wireless remote control / Occupancy sensor option
- Individual louver control / Dual & cycle swing
- Condensate drain pump included (up to 850mm height)

Physical data indoor

Indoor unit			RAS-M10SMUV-E	RAS-M10SMUV-E	RAS-M10SMUV-E
Air flow (h/l)	m ³ /h	C	590/430 (*)	620/430(*)	680/450(*)
Sound pressure level (h/l)	dB(A)	C	37/30(*)	38/30(*)	41/31(*)
Sound power level	dB(A)	C	52/45(*)	53/45(*)	56/46(*)
Air flow (h/l)	m ³ /h	H	590/430(*)	620/430(*)	680/450(*)
Sound pressure level (h/l)	dB(A)	H	37/30(*)	38/30(*)	41/31(*)
Sound power level	dB(A)	H	52/45(*)	53/45(*)	56/46(*)
Dimensions (h x w x d)	mm		268 x 575 x 575	268 x 575 x 575	268 x 575 x 575
Weight	kg		15	15	15
Flare connections (gas - liquid)			3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"

C: cooling mode
H: heating mode
(*) Preliminary data
Contrôlable: true
Contrôlé: false
2 Fabrice Excoffier (24/01/18)




DUCTED

- Slim unit (only 210mm height)
- Adjustable external static pressure
- Condensate drain pump included (up to 350mm height)
- Air filters in option

Indoor unit			RAS-M07U2DVG-E	RAS-M10U2DVG-E	RAS-M13U2DVG-E	RAS-M16U2DVG-E	RAS-M22U2DVG-E	RAS-M24U2DVG-E
Air flow (h/l)	m ³ /h	C	570 / 380	570 / 380	610 / 385	780 / 420	1000/740(*)	1060/760(*)
Sound pressure level (h/l) *1	dB(A)	C	35 / 27	35 / 27	37 / 27	35 / 24	38/32(*)	39/33(*)
Sound power level (h/l) *1	dB(A)	C	50 / 42	50 / 42	52 / 42	50 / 39	53/47(*)	54/48(*)
Air flow (h/l)	m ³ /h - l/s	H	570 / 380	570 / 380	610 / 385	780 / 450	1000/740(*)	1060/760(*)
Sound pressure level (h/l) *1	dB(A)	H	35 / 27	35 / 27	37 / 27	35 / 25	38/32(*)	39/33(*)
Sound power level (h/l) *1	dB(A)	H	50 / 42	50 / 42	52 / 42	50 / 40	53/47(*)	54/48(*)
Dimensions (h x w x d)	mm		210 x 700 x 450	210 x 700 x 450	210 x 700 x 450	210 x 900 x 450	210 x 1100 x 450	210 x 1100 x 450
Weight	kg		16	16	16	19	22	22
Flare connections (gas - liquid)			3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
External static pressure (stand / middle1 / middle2 / upper)	Pa		10 / 20 / 35 /45	10 / 20 / 35 /45	10 / 20 / 35 /45	10 / 20 / 35 /45	10 / 20 / 35 /45	10 / 20 / 35 /45


C: cooling mode
H: heating mode
*1: Back In Take, External static pressure 35Pa.
(*) Preliminary data

OPTIONAL



Wireless Weekly Remote control

RB-RXS31-E for SHORAI, MIRAI and Console



Wall mounted Weekly Remote control (Cassette & Duct only)

RB-RWS21-E

RESIDENTIAL AIR-TO-AIR