

RAS | Residential range

NEW MIRAIR32

INVERTER HIGH-WALL

BKVG



Superior Comfort

A+++ Energy Class in Heating Mode*

My new design object, direct from the future

Improved energy grade in both heating and cooling modes

New high-end compressor (made in Japan)

Sleek design

Bigger indoor units' fan, 13% bigger to increase airflow volume

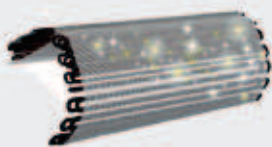
Weekly timer with 4 freely programmable settings per day and 7 different programs per week (optional)

Hepa & Cold Catalyst filters

*Size 16, warmer zone



13% Bigger



Dustless Coil



INDOOR UNITS

RAS-07BKVG-E
RAS-10BKVG-E
RAS-13BKVG-E
RAS-16BKVG-E



OUTDOOR UNITS

RAS-07BAVG-E
RAS-10BAVG-E
RAS-13BAVG-E
RAS-16BAVG-E



REMOTE CONTROLS

(optional)

BKVG+BAVG
Performance data

Outdoor unit Indoor unit			RAS-07BAVG-E RAS-07BKVG-E	RAS-10BAVG-E RAS-10BKVG-E	RAS-13BAVG-E RAS-13BKVG-E	RAS-16BAVG-E RAS-16BKVG-E
Cooling capacity	kW		2,0	2,5	3,3	4,6
Cooling range (min. - max.)	kW		(0.67 - 2.60)	(0.68 - 3.00)	(0.75 - 3.60)	1,20 - 5,3
Power input (min. - rated - max.)	kW	C	(0.14 - 0.58 - 0.83)	(0.18 - 0.77 - 1.00)	(0.18 - 1.13 - 1.25)	(0,22 - 1,53 - 1,80)
EER	W/W		3.45	3.25	2.92	3.01
SEER			5.6	5.7	5.6	6.2
Energy efficiency class		C	A+	A+	A+	A++
Seasonal electricity consumption	kWh/a	C	125	153	206	260
Annual energy consumption	kWh		290	385	565	765
Heating capacity	kW		2,5	3.2	3.6	5.4
Heating range (min. - max.)	kW		(0.55 - 3.30)	(0.71 - 3.90)	(0.72 - 4.50)	0,93 - 6,40
Power input (min. - rated - max.)	kW	H	(0.12 - 0.64 - 0.90)	(0.15 - 0.85 - 1.11)	(0.15 - 0.96 - 1.24)	(0,18 - 1,55 - 2,10)
SCOP (Warmer zone)		H	4,46	4,63	4,81	5,4
Energy Class (Warmer zone)		H	A+	A++	A++	A+++
COP	W/W		3.91	3.76	3.75	3.48
SCOP (Average)			4,0	4,0	4,0	4.2
Energy efficiency class (Average)		H	A+	A+	A+	A+
Seasonal electricity consumption	kWh/a	H	700	839	980	1334

BKVG
Physical data Indoor unit

Indoor unit			RAS-07BKVG-E	RAS-10BKVG-E	RAS-13BKVG-E	RAS-16BKVG-E
Air Flow (h)	m ³ /h - l/s	C	522 - 145	540 - 150	600 - 167	750 - 208
Air Flow (l)	m ³ /h - l/s	C	234 - 65	240 - 67	264 - 73	330 - 92
Sound pressure level (h/l)	dB(A)	C	38/23	39/24	41/24	43/25
Sound power level (h)	dB(A)	C	53	54	56	58
Air Flow (h)	m ³ /h - l/s	H	534 - 148	552 - 153	618 - 172	768 - 213
Air Flow (l)	m ³ /h - l/s	H	246 - 68	252 - 70	294 - 8,2	348 - 97
Sound pressure level (h/l)	dB(A)	H	38/23	39/24	45/24	43/25
Sound power level (h)	dB(A)	H	53	54	57	58
Dimensions (hxwx d)	mm		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	10

BAVG
Physical data Outdoor unit

Outdoor unit			RAS-07BAVG-E	RAS-10BAVG-E	RAS-13BAVG-E	RAS-16BAVG-E
Air Flow (max)	m ³ /h - l/s	C	1740 - 483	1860 - 517	1980 - 550	2040 - 567
Sound pressure level (h)	dB(A)	C	48	49	50	50
Sound power level (h)	dB(A)	C	63	64	65	65
Operating range	°C	C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46
Air Flow (max)	m ³ /h - l/s	H	1800 - 500	1860 - 517	1980 - 550	2160 - 600
Sound pressure level (h)	dB(A)	H	50	51	51	52
Sound power level (h)	dB(A)	H	65	66	66	67
Operating range	°C	H	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24
Dimensions (HxWxD)	mm		530 x 660 x 240	530 x 660 x 240	530 x 660 x 240	550 x 780 x 290
Weight	kg		21	21	22	34
Compressor type			DC Rotary	DC Rotary	DC Rotary	DC Rotary
Flare connections (gas-liquid)	inch		3/8" - 1/4"	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
Minimum pipe length	m		2	2	2	2
Maximum pipe length	m		15	15	15	20
Maximum height difference	m		12	12	12	12
Chargeless pipe length	m		15	15	15	15
Power supply	V-ph-Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50

C = cooling mode
 H = heating mode

h/l = high / low speed