

RAS | Residential range

NEW R410A

INVERTER HIGH-WALL

B K V



New era of Toshiba Hi wall units.

Attractive design by big-round shape, providing slimmer look, with smooth-glossy surface and luxury bright-white LED indicators

Energy efficiency, comfort, and reliability

Indoor sound pressure has been reduced, giving highly comfortable environment

Smaller pipe, more condensed, less refrigerant used and energy efficiency increased

Healthy & Fresh air / none bad-smell (mold & bad odor)

Hepa & Cold catalyst filters

New high-end compressor (made in Japan)

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



White LEDs looks elegant
in night-time



INDOOR UNITS

RAS-07BKV-E
RAS-10BKV-E
RAS-13BKV-E
RAS-16BKV-E



OUTDOOR UNITS

RAS-07BAV-E
RAS-10BAV-E
RAS-13BAV-E
RAS-16BAV-E



REMOTE CONTROLS

(optional)

BKV+BAV
Performance data

Outdoor unit			RAS-07BAV-E	RAS-10BAV-E	RAS-13BAV-E	RAS-16BAV-E
Indoor unit			RAS-07BKV-E	RAS-10BKV-E	RAS-13BKV-E	RAS-16BKV-E
Cooling capacity	kW		2,0	2,5	3,1	4,4
Cooling range (min. - max.)	kW		0.64 - 2.50	0.67 - 3.10	0.75 - 3.50	1,1 - 4,8
Power input (min. - rated - max.)	kW	C	0.14 - 0.60 - 0.86	0.165 - 0.85 - 1.19	0.18 - 1.15 - 1.33	0,21 - 1,56 - 1,72
EER	W/W		3.33	2.94	2.70	2,82
SEER			5.7	5,6	5,7	5,9
Energy efficiency class		C	A+	A+	A+	A+
Seasonal electricity consumption	kWh/a	C	123	156	190	261
Annual energy consumption	kWh		300	425	575	780
Heating capacity	kW		2,5	3.2	3.6	5.2
Heating range (min. - max.)	kW		0.55 - 3.20	0.70 - 3.90	0.70 - 4.50	0,80 - 6,10
Power input (min. - rated - max.)	kW	H	0,13 - 0,62 - 0,82	0.15 - 0.84 - 1.06	0.15 - 0.96 - 1.24	0,16 - 1,52 - 1,90
SCOP (Warmer zone)		H	4,32	4,6	4,69	5,32
Energy Class (Warmer zone)		H	A+	A++	A++	A+++
COP	W/W		4.03	3.81	3.75	3,42
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	630	840	980	1333

BKV
Physical data Indoor unit

Indoor unit			RAS-07BKV-E	RAS-10BKV-E	RAS-13BKV-E	RAS-16BKV-E
Air Flow (h)	m³/h - l/s	C	522 - 145	540 - 150	600 - 167	720 - 200
Air Flow (l)	m³/h - l/s	C	234 - 65	240 - 67	264 - 73	318 - 88
Sound pressure level (h/l)	dB(A)	C	38/22	40/23	41/24	44/25
Sound power level (h)	dB(A)	C	54	55	56	59
Air Flow (h)	m³/h - l/s	H	534 - 148	552 - 153	618 - 172	756 - 210
Air Flow (l)	m³/h - l/s	H	246 - 68	252 - 70	294 - 82	348 - 97
Sound pressure level (h/l)	dB(A)	C	40/22	41/23	45/24	43/26
Sound power level (h)	dB(A)	C	55	56	57	58
Dimensions (hwxwd)	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	9

BAV
Physical data Outdoor unit

Outdoor unit			RAS-07BAV-E	RAS-10BAV-E	RAS-13BAV-E	RAS-16BAV-E
Air Flow (max)	m³/h - l/s	C	1740 - 483	1860 - 517	1980 - 550	2040 - 567
Sound pressure level (h)	dB(A)	C	48	48	48	49
Sound power level (h)	dB(A)	C	62	63	64	64
Operating range	°C	C	-15 ~ 46	-15 ~ 46	-15 ~ 46	-15 ~ 46
Air Flow (max)	m³/h - l/s	H	1800 - 500	1860 - 517	1980 - 550	2040 - 567
Sound pressure level (h)	dB(A)	H	50	50	50	50
Sound power level (h)	dB(A)	H	64	65	65	65
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