

YUKAI+



Ultra Fresh
Filter



Low Noise
Level



8°C Heating
Mode

Freshness & efficiency in silent mode

The new YUKAI Plus is Toshiba's latest air conditioning series, ensuring silent operation. Its sleek design and the highest standards of efficiency and comfort maximize energy savings.



FEATURES



Ultra-Fresh Filter to ensure clean, healthy air by eliminating up to 85% of dust, odors, and microorganisms, creating a pleasant indoor environment



Magic Coil innovative, self-cleaning coating of the heat exchanger



Ultra-quiet operation as low as 19dB(A)



Self-Cleaning Mode



Automatic 8°C heating mode to maintain a stable temperature when the space is unoccupied for long periods



Silent Mode (outdoor unit): reduces outdoor unit noise by 3-4dB(A)



High Power Mode that quickly reaches the desired temperature



On Demand Defrost allows manual defrosting of the outdoor unit at any time in extremely low temperatures



Invisible **pre-marked slots** for easy pipe connections



Wi-Fi Active

TECHNICAL CHARACTERISTICS

PERFORMANCE DATA

OUTDOOR UNIT			RAS-10E2AVG-E	RAS-13E2AVG-E	RAS-16E2AVG-E	RAS-18E2AVG-E	RAS-24E2AVG-E
INDOOR UNIT			RAS-B10S4KVG-E	RAS-B13S4KVG-E	RAS-B16S4KVG-E	RAS-B18S4KVG-E	RAS-B24S4KVG-E
Cooling capacity	kW		2,50	3,30	4,20	5,00	6,50
Cooling capacity	BTU/H		8.530	11.260	14.330	17.061	22.179
Cooling range (min.-max.)	kW		0,80 - 3,00	1,20 - 3,60	1,40 - 4,70	1,45 - 5,50	1,70 - 7,20
Cooling range (min.-max.)	BTU/H		2.730 - 10.236	4.095 - 12.284	4.777 - 16.037	4.948 - 18.767	5.801 - 24.567
Power input (min.-rated-max.)	kW	C	0,20 - 0,70 - 1,00	0,25 - 1,10 - 1,25	0,34 - 1,27 - 1,60	0,34 - 1,50 - 1,80	0,41 - 2,25 - 2,60
EER	W/W		3.57	3,00	3.31	3.33	2.89
SEER			7.00	7.00	7.00	7.00	6.90
Energy efficiency class		C	A++	A++	A++	A++	A++
Seasonal electricity consumption	kWH/a	C	125	165	210	250	330
Heating capacity	kW		3,20	3,60	5,00	5,40	7,00
Heating capacity	BTU/H		10.919	12.284	17.061	18.426	23.885
Heating range (min.-max.)	kW		0,95 - 3,90	0,97 - 4,50	1,30 - 6,00	1,35 - 6,00	1,50 - 8,10
Heating range (min.-max.)	BTU/H		3.242 - 13.307	3.310 - 15.355	4.436 - 20.473	4.606 - 20.473	5.118 - 27.638
Power input (min.-rated-max.)	kW	H	0,18 - 0,86 - 1,11	0,18 - 0,92 - 1,25	0,24 - 1,34 - 1,70	0,26 - 1,50 - 1,80	0,29 - 2,10 - 2,55
COP	W/W		3.72	3.91	3.73	3.60	3.33
SCOP (average)			4.60	4.60	4.60	4.40	4.30
Energy efficiency class (average)		H	A++	A++	A++	A+	A+
SCOP (warmer)			5.38	5.40	5.57	5.62	5.35
Energy efficiency class (warmer)		H	A+++	A+++	A+++	A+++	A+++
Seasonal electricity consumption	kWH/a	H	730	822	1095	1209	1757

PHYSICAL DATA INDOOR

INDOOR UNIT			RAS-B10S4KVG-E	RAS-B13S4KVG-E	RAS-B16S4KVG-E	RAS-B18S4KVG-E	RAS-B24S4KVG-E
Airflow (h)	m³/h-l/s	C	510 - 142	540 - 152	750 - 208	790 - 220	1070 - 298
Airflow (l)	m³/h-l/s	C	230 - 64	250 - 72	330 - 92	480 - 133	660 - 183
Sound pressure level (h/q)	dB(A)	C	39/19	41/20	43/21	47/26	48/29
Sound power level (h)	dB(A)	C	52	54	56	60	61
Airflow (h)	m³/h-l/s	H	510 - 144	560 - 158	760 - 212	840 - 233	860 - 239
Airflow (l)	m³/h-l/s	H	230 - 64	271 - 75	340 - 94	500 - 139	730 - 203
Sound pressure level (h/q)	dB(A)	H	39/20	42/20	43/22	48/26	48/29
Sound power level (h)	dB(A)	H	52	55	56	61	61
Dimensions (H×W×D)	mm		288 x 770 x 225	288 x 770 x 225	293 x 798 x 230	293 x 798 x 230	320x1050x250
Weight	Kg		9	9	9	9	15

PHYSICAL DATA OUTDOOR

OUTDOOR UNIT			RAS-10E2AVG-E	RAS-13E2AVG-E	RAS-16E2AVG-E	RAS-18E2AVG-E	RAS-24E2AVG-E
Airflow (max)	m³/h-l/s	C	1.800 - 500	1.980 - 550	2.160 - 600	2.160 - 600	2.220 - 617
Sound pressure level (h)	dB(A)	C	47	48	50	50	54
Sound pressure level (silent CDU#2)	dB(A)	C	43	43	43	44	49
Sound power level (h)	dB(A)	C	60	61	63	63	67
Sound power level (silent CDU#2)	dB(A)	C	56	56	56	57	62
Operating range	°C	C	-15 - 46	-15 - 46	-15 - 46	-15 - 46	-15 - 46
Airflow (max)	m³/h-l/s	H	1.800 - 500	1.980 - 550	2.160 - 600	2.160 - 600	2.220 - 617
Sound pressure level (h)	dB(A)	H	49	49	51	51	54
Sound pressure level (silent CDU#2)	dB(A)	H	43	43	46	46	49
Sound power level (h)	dB(A)	H	62	62	64	64	67
Sound power level (silent CDU#2)	dB(A)	H	56	56	59	59	62
Operating range	°C	H	-15 - 24	-15 - 24	-15-24	-15-24	-15-24
Dimensions (H×W×D)	mm		530 x 660 x 240	530 x 660 x 240	550x780x290	550x780x290	550x780x290
Weight	Kg		22	22	30	34	38
Compressor type			DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Twin Rotary
Flare connections (gas-liquid)			3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
Minimum pipe length	m		2	2	2	2	2
Maximum pipe length	m		15	15	20	20	20
Maximum height difference	m		12	12	12	12	12
Chargeless pipe length	m		15	15	15	15	15
Refrigerant charging (R-32)	Kg		0,49	0,54	0,68	0,93	1,18
Power supply	V/Hz/Ph		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

