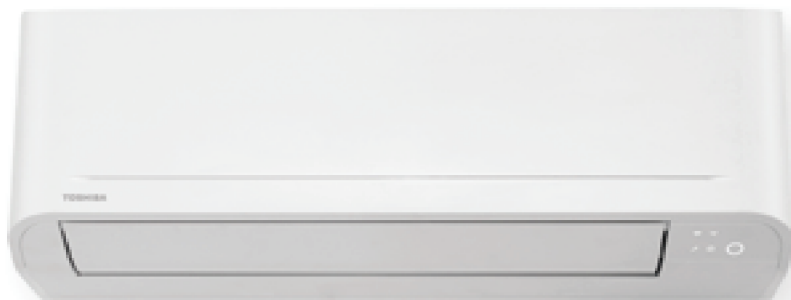


YUKAI



Ultra Fresh Filter



Low Noise Level



8°C Heating Mode

Freshness & efficiency in silent mode

YUKAI is a silent solution that uses the new Toshiba Inverter and compressor technologies with R32 to offer A++ cooling and heating performances, leading to true energy savings and year-round comfort.



FEATURES



Ultra-Fresh filter captures up to 85% of PM2.5 creating healthy living spaces at home.



Ultra-quiet system down to 19dB(A) - indoor



Silent operation down to 42dB(A) - outdoor



Wi-Fi Ready



High Power Extra airflow to rapidly reach your desired temperature setting



Self-cleaning function. When shutdown the unit automatically starts the Self-Cleaning operation, the louvre opens slightly. The indoor unit fan operates continuously



Fix & Swing. Select your optimum airflow from a range of Fixed and Swing louvre positions



Silent CDU #1 & #2. Toshiba's unique noise reduction function of outdoor unit for your neighbourhood comfort

TECHNICAL CHARACTERISTICS

PERFORMANCE DATA

OUTDOOR UNIT		RAS-07E2AVG-E	RAS-10E2AVG-E	RAS-13E2AVG-E	RAS-16E2AVG-E	RAS-18E2AVG-E	RAS-24E2AVG-E
INDOOR UNIT		RAS-B07E2KVG-E	RAS-B10E2KVG-E	RAS-B13E2KVG-E	RAS-B16E2KVG-E	RAS-B18E2KVG-E	RAS-B24E2KVG-E
Cooling capacity	kW	2,00	2,50	3,30	4,20	5,00	6,50
Cooling capacity	BTU/H	6.824	8.530	11.260	14.3031	17.061	22.179
Cooling range (min.-max.)	kW	0,76-2,60	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	2.593-8.872	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 0,20-0,53-0,83	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	3.77	3.57	3.00	3.31	3.33	2.89
SEER		6.90	7.00	7.00	7.00	7.00	6.90
Energy efficiency class		C A++	A++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a	C 101	125	165	210	250	330
Heating capacity	kW	2,50	3,20	3,60	5,00	5,40	7,00
Heating capacity	BTU/H	8.530	10.919	12.284	17.061	18.426	23.885
Heating range (min.-max.)	kW	0,82-3,30	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	2.798-11.260	3.242-13.307	3.110-15.3055	4.436-20.473	4.606-20.473	5.1018-27.638
Power input (min.-rated-max.)	kW	H 0,16-0,64-0,94	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	3.91	3.72	3.91	3.73	3.60	3.33
SCOP (average)		4.60	4.60	4.60	4.60	4.40	4.30
Energy efficiency class (average)		H A++	A++	A++	A++	A+	A+
SCOP (warmer)		5.34	5.38	5.40	5.57	5.62	5.305
Energy efficiency class (warmer)		H A+++	A+++	A+++	A+++	A+++	A+++
Seasonal electricity consumption	kWh/a	H 609	730	822	1.095	1.209	1.757

PHYSICAL DATA INDOOR

INDOOR UNIT		RAS-B07E2KVG-E	RAS-B10E2KVG-E	RAS-B13J2KVGSG-E	RAS-B16E2KVG-E	RAS-B18E2KVG-E	RAS-B24E2KVG-E
Air Flow (h)	m³/h-l/s	C 500-140	510-142	540-152	750-208	790-222	1.070-298
Air Flow (l)	m³/h-l/s	C 209-58	233-64	259-72	330-92	480-133	666-185
Sound pressure level (h/q)	dB(A)	C 38/19	39/19	41/20	43/21	47/26	48/29
Sound power level (h)	dB(A)	C 51	52	54	56	60	61
Air Flow (h)	m³/h-l/s	H 500-140	510-144	560-158	760-213	840-233	860-234
Air Flow (l)	m³/h-l/s	H 209-58	233-64	271-75	340-94	500-139	730-203
Sound pressure level (h/q)	dB(A)	H 38/19	39/20	42/20	43/22	48/26	48/29
Sound power level (h)	dB(A)	H 51	52	55	56	61	61
Dimensions (H×W×D)	mm	288×770×225	288×770×225	288×770×225	293×798×230	293×798×230	320×1.050×250
Weight	Kg	9	9	9	9	9	15

PHYSICAL DATA OUTDOOR

OUTDOOR UNIT		RAS-07E2AVG-E	RAS-10E2AVG-E	RAS-13E2AVG-E	RAS-16E2AVG-E	RAS-18E2AVG-E	RAS-24E2AVG-E
Air Flow (max)	m³/h-l/s	C 1.800-500	1.800-500	1.980-550	2.160-600	2.160-600	2.220-617
Sound pressure level (h)	dB(A)	C 47	47	48	50	50	54
Sound pressure level (silent CDU#2)	dB(A)	C 42	43	43	43	44	49
Sound power level (h)	dB(A)	C 60	60	61	63	63	67
Sound power level (silent CDU#2)	dB(A)	C 55	56	56	56	57	62
Operating range	°C	C -15-46	-15-46	-15-46	-15-46	-15-46	-15-46
Air Flow (max)	m³/h-l/s	H 1.800-500	1.800-500	1.980-550	2.160-600	2.160-600	2.220-617
Sound pressure level (h)	dB(A)	H 49	49	49	51	51	54
Sound pressure level (silent CDU#2)	dB(A)	H 42	43	43	46	46	49
Sound power level (h)	dB(A)	H 62	62	62	64	64	67
Sound power level (silent CDU#2)	dB(A)	H 55	56	56	59	59	62
Operating range	°C	H -15-24	-15-24	-15-24	-15-24	-15-24	-15-24
Dimensions (H×W×D)	mm	530×660×240	530×660×240	530×660×240	550×780×290	550×780×290	550×780×290
Weight	Kg	21	22	22	30	34	38
Compressor type		DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Twin-Rotary
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"
Minimum pipe length	m	2	2	2	2	2	2
Maximum pipe length	m	15	15	15	20	20	20
Maximum height difference	m	12	12	12	12	12	12
Chargeless pipe length	m	15	15	15	15	15	15
Refrigerant charging (R32)	Kg	0.34	0.49	0.54	0.68	0.93	1.18
Power supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1

C = Cooling Mode H = Heating Mode

