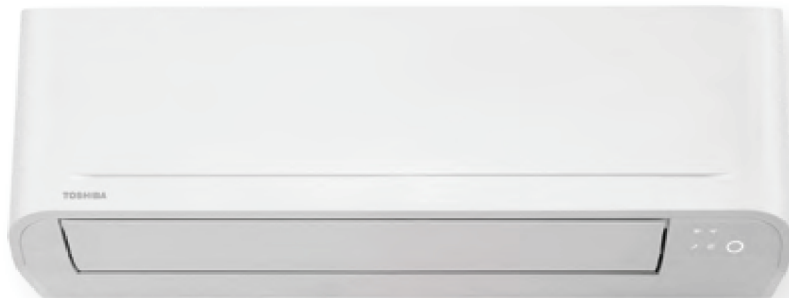


SUMATO



On-Demand Defrost



Dust Filter



Self-Cleaning

Comfort and new technologies

Our goal is to ensure you can enjoy comfort and peace of mind at all times by offering products with world-class reliability. The same is true for the new SUMATO with the latest heat pump technology at its core.



FEATURES



Hi Power for faster cooling



On-demand defrost Heating even in the harshest part of winter



Quiet indoor unit mode down to 19dB(A)*



Silent outdoor unit mode down to 45dB(A)*



Self-cleaning function: When the air conditioner is turned off, the internal fan activates and dries the moisture in the coil for 30 minutes, then turns off automatically, maintaining the coil condition and maximising performance as well as efficiency



Discretion: Invisible piping pre-cut marks to fully enjoy the timeless white elegance and flawless design of SUMATO



Compactness: With a width of just 770mm, SUMATO offers a wide range of installation options, including the limited space above a door for maximized space availability within the room



Coated coil: Helps prevent water and dust from sticking to the coil. As the coil keeps clean, energy efficiency is maintained, and healthy, odourless air is circulated through the unit.



Wi-Fi Ready



8°C heating protects your home and contents from freezing temperatures

*Noise pressure level at 1m

TECHNICAL CHARACTERISTICS

PERFORMANCE DATA

OUTDOOR UNIT		RAS-07B2AVG-E	RAS-10B2AVG-E	RAS-13B2AVG-E	RAS-16B2AVG-E	RAS-18B2AVG-E	RAS-24B2AVG-E
INDOOR UNIT		RAS-B07B2KVG-E	RAS-B10B2KVG-E	RAS-B13B2KVG-E	RAS-B16B2KVG-E	RAS-B18B2KVG-E	RAS-B24B2KVG-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	14.331	17.061	22.179
Cooling range (min.-max.)	kW	0,76-2,40	0,80-3,00	1,00-3,60	1,10-4,70	1,10-5,50	1,10-7,10
Cooling range (min.-max.)	BTU/H	2.593-8.189	2.730-10.236	3.412-12.284	3.753-16.037	3.753-18.767	3.753-24.226
Power input (min.-rated-max.)	kW	C 0,20-0,60-0,74	0,21-0,72-1,00	0,25-1,17-1,35	0,35-1,37-1,70	0,35-1,73-1,90	0,25-2,30-2,40
EER	W/W	3.33	3.47	2.82	3.07	2.89	2.83
SEER		6.10	6.10	6.10	6.10	6.10	6.10
Energy efficiency class		C A++	A++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a	C 115	143	189	241	287	373
Heating capacity	kW	2,50	3,20	3,60	5,00	5,40	7,00
Heating capacity	BTU/H	8.530	10.919	11.260	14.331	18.426	23.885
Heating range (min.-max.)	kW	0,76-3,30	0,76-3,90	0,76-4,50	0,85-6,00	1,10-6,00	1,20-8,10
Heating range (min.-max.)	BTU/H	2.593-11.260	2.593-13.307	2.593-15.355	2.900-16.037	3.753-20.473	4.095-24.226
Power input (min.-rated-max.)	kW	H 0,16-0,64-0,94	0,18-0,84-1,11	0,18-1,02-1,25	0,25-1,45-1,90	0,27-1,65-1,88	0,27-2,10-2,50
COP	W/W	3.91	3.81	3.53	3.45	3.27	3.33
SCOP (average)		4	4	4	4	4	4
Energy efficiency class (average)		H A+	A+	A+	A+	A+	A+
SCOP (warmer)		4.60	4.60	4.60	4.60	4.60	4.60
Energy efficiency class (warmer)		H A++	A++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a	H 700	735	805	1.151	1.294	1.538

PHYSICAL DATA INDOOR

INDOOR UNIT		RAS-B07B2KVG-E	RAS-B10B2KVG-E	RAS-B13B2KVG-E	RAS-B16B2KVG-E	RAS-B18B2KVG-E	RAS-B24B2KVG-E
Air Flow (h)	m³/h-l/s	C 490-136	620-172	650-180	760-212	790-219	1.070-298
Air Flow (l)	m³/h-l/s	C 200-55	230-64	230-64	330-92	480-133	660-183
Sound pressure level (h/q)	dB(A)	C 40/19	41/19	42/20	44/22	47/26	48/29
Sound power level (h)	dB(A)	C 53	54	55	57	60	61
Air Flow (h)	m³/h-l/s	H 500-140	620-172	620-172	760-212	840-233	860-239
Air Flow (l)	m³/h-l/s	H 200-55	230-64	230-64	340-94	500-139	730-203
Sound pressure level (h/q)	dB(A)	H 39/19	40/20	42/2	43/23	48/26	48/29
Sound power level (h)	dB(A)	H 52	53	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	10	10	15

PHYSICAL DATA OUTDOOR

OUTDOOR UNIT		RAS-07B2AVG-E	RAS-10B2AVG-E	RAS-13B2AVG-E	RAS-16B2AVG-E	RAS-18B2AVG-E	RAS-24B2AVG-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 49	49	50	52	52	56
Sound pressure level (silent CDU#2)	dB(A)	C 44	45	45	45	46	51
Sound power level (h)	dB(A)	C 62	62	63	65	65	69
Sound power level (silent CDU#2)	dB(A)	C 57	58	58	58	59	64
Operating range	°C	C -10-46	-10-46	-10-46	-10-46	-10-46	-10-46
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 51	51	52	53	53	57
Sound pressure level (silent CDU#2)	dB(A)	H 44	45	45	47	48	51
Sound power level (h)	dB(A)	H 64	64	65	66	66	70
Sound power level (silent CDU#2)	dB(A)	H 57	58	58	60	61	64
Operating range	°C	H -10-24	-10-24	-10-24	-10-24	-10-24	-10-24
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	20	21	21	29	29	35
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	10	10	10	15	15	15
Maximum height difference	m	8	8	8	8	8	8
Chargeless pipe length	m	10	10	10	10	10	10
Refrigerant charging (R32)	Kg	0.44	0.49	0.54	0.68	0.93	1.23
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

