TOSHIBA

SHORAI Curve - Performance data

Outdoor unit			RAS-07P2AVSG-E	RAS-10P2AVSG-E	RAS-13P2AVSG-E	RAS-16P2AVSG-E	RAS-18P2AVSG-E	RAS-22P2AVSG-E	RAS-24P2AVSG-E
Indoor unit white			RAS-B07P2KVSG-E	RAS-B10P2KVSG-E	RAS-B13P2KVSG-E	RAS-B16P2KVSG-E	RAS-B18P2KVSG-E	RAS-B22P2KVSG-E	RAS-B24P2KVSG-E
Indoor unit black			RAS-B07P2KVSGB-E	RAS-B10P2KVSGB-E	RAS-B13P2KVSGB-E	RAS-B16P2KVSGB-E	RAS-B18P2KVSGB-E	RAS-B22P2KVSGB-E	RAS-B24P2KVSGB-E
Cooling capacity	kW		**2**	**2.5**	**3.5**	**4.6**	**5**	**6.1**	**7**
Cooling range (min. - max.)	kW		(0.89 - 2.90)	(1 - 3.20)	(1.00 - 4.10)	(1.20 - 5.30)	(1.20 - 6.00)	(1.39 - 6.07)	(1.70 - 7.70)
EER	W/W		5.13	4.63	4.07	3.41	3.52	3.07	2.98
SEER	D A+++ (*)		**8.5**	**8.6**	**8.6**	**7.8**	**7.3**	**7.3**	**6.3**
Energy efficiency class		C	A+++	A+++	A+++	A++	A++	A++	A++
Seasonal electricity consumption	kWh/a	C	82	102	142	206	240	292	389
Heating capacity	kW		**2.5**	**3.2**	**4.2**	**5.5**	**6.0**	**7.0**	**8.0**
Heating range (min. - max.)	kW		(0.90 - 3.60)	(1 - 4.80)	(1.00 - 5.30)	(1.10 - 6.50)	(1.10 - 6.50)	(1.15 - 7.50)	(1.70 - 8.80)
COP	W/W		5.00	4.57	3.89	3.72	3.77	3.5	3.40
SCOP average	D A+++ (*)		**5.1**	**5.1**	**5.1**	**4.6**	**4.6**	**4.6**	**4.1**
Energy efficiency class		**H**	**A+++**	**A+++**	**A+++**	**A++**	**A++**	**A++**	**A+**
Seasonal electricity consumption	kWh/a	H	631	686	878	1217	1309	1430	2151
SCOP warm			**6.2**	**6.3**	**6.5**	**6.1**	**6.0**	**6.0**	**5.5**
Energy efficiency class	D A+++ (*)	**H**	**A+++**	**A+++**	**A+++**	**A+++**	**A+++**	**A+++**	**A+++**

SHORAI Curve - Physical data indoor

Indoor unit white			RAS-B07P2KVSG-E	RAS-B10P2KVSG-E	RAS-B13P2KVSG-E	RAS-B16P2KVSG-E	RAS-B18P2KVSG-E	RAS-B22P2KVSG-E	RAS-B24P2KVSG-E
Indoor unit black			RAS-B07P2KVSGB-E	RAS-B10P2KVSGB-E	RAS-B13P2KVSGB-E	RAS-B16P2KVSGB-E	RAS-B18P2KVSGB-E	RAS-B22P2KVSGB-E	RAS-B24P2KVSGB-E
Sound pressure level (high/quiet)	**dB(A)**	**C**	**41/19**	**41/19**	**43/19**	**44/22**	**44/26**	**46/27**	**47/28**
Sound power level (high)	dB(A)	C	54	54	56	57	57	59	60
Sound pressure level (high/quiet)	**dB(A)**	**H**	**40/19**	**40/19**	**43/19**	**44/22**	**44/26**	**46/27**	**48/28**
Sound power level (high)	dB(A)	H	53	53	56	57	57	59	61
Dimensions (HxWxD)	mm		293x822x226	293x822x226	293x822x226	293x822x226	320x1076x245	320x1076x245	320x1076x245
Weight	kg		11	11	11	11	14	14	15
Remote controller (white)			WH-UE08UE	WH-UE08UE	WH-UE08UE	WH-UE08UE	WH-UE08UE	WH-UE08UE	WH-UE08UE
Remote controller (black)			WH-UE07UE	WH-UE07UE	WH-UE07UE	WH-UE07UE	WH-UE07UE	WH-UE07UE	WH-UE07UE

SHORAI Curve - Physical data indoor

Outdoor unit			RAS-07P2AVSG-E	RAS-10P2AVSG-E RAS-10P2AVSG-TR	RAS-13P2AVSG-E RAS-13P2AVSG-TR	RAS-16P2AVSG-E RAS-16P2AVSG-TR	RAS-18P2AVSG-E RAS-18P2AVSG-TR	RAS-22P2AVSG-E RAS-22P2AVSG-TR	RAS-24P2AVSG-E RAS-24P2AVSG-TR
Sound pressure level (high)	**dB(A)**	**C**	**44**	**44**	**47**	**49**	**49**	**50**	**52**
Sound pressure level (Silent CDU#2)	**dB(A)**	**C**	**36**	**37**	**39**	**43**	**43**	**43**	**43**
Sound power level (high)	dB(A)	C	57	57	60	62	62	63	65
Sound power level (Silent CDU#2)	dB(A)	C	49	50	52	56	56	56	56
Operating range	°C	C	-15~46	-15~46	-15~46	-15~46	-15~46	-15~46	-15~46
Sound pressure level (high)	**dB(A)**	**H**	**46**	**46**	**49**	**50**	**50**	**51**	**54**
Sound pressure level (Silent CDU#2)	**dB(A)**	**H**	**38**	**39**	**41**	**43**	**44**	**46**	**46**
Sound power level (high)	dB(A)	H	59	59	62	63	63	64	67
Sound power level (Silent CDU#2)	dB(A)	H	51	52	54	56	57	59	59
Operating range	°C	H	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
Dimensions (HxWxD)	mm		550x780x290	550x780x290	550x780x290	550x780x290	550x780x290	550x780x290	630x800x300
Weight	kg		26	27	31	31	32	33	36
Compressor type			DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC 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"	1/2" - 1/4"
Minimum pipe length	m		2	2	2	2	2	2	2
Maximum pipe length	m		20	20	20	20	20	20	25
Maximum height difference	m		12	12	12	12	12	12	15
Chargeless pipe length	m		15	15	15	15	15	15	15
Refrigerant charging (R32)	kg		0.55	0.65	0.8	0.8	1.1	1.1	1.14
Power supply	V-ph-Hz		230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50

C: cooling mode
H: heating mode
(*) The energy efficiency class range of this product category is from D to A+++

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