

PRODUCT BULLETIN

New RAS Multi-split Inverter Outdoor Units

- Increased Energy Efficiency to SEER A++ SCOP A+
- Operating Range Expanded for both Cooling and Heating
- Heating Only DIP Switch
- Optional Wireless Controller with 7 Day Timer

**Available Qtr. 2 2015*

TOSHIBA are pleased to announce the launch of the new RAS Multi-split Inverter Heat Pump Outdoor Units with improved energy efficiency which are fully compliant with ErPLot10 and feature a field selectable DIP switch to enable *Heating Only* operation.

1. Outdoor units

1. Wide operation range *Cooling -10 to 46°C and Heating -15 to 24°C*
2. Compliant with 2015 threshold in EU
3. Excellent energy efficiency
4. Optional wireless infra-red remote controller with weekly timer for High Wall and Bi-flow Console



2. New Line-up

Capacity Range (kW)	Model	Dimension (mm) H x W x D	Weight (kg)
9.0	RAS-3M26S3AV-E	890 x 900 x 320	72
9.0	RAS-4M27S3AV-E		72
12.0	RAS-5M34S3AV-E		78

3. Factory Production date

End February 2015, Ex-Factory (TCTC).

Current series model will be discontinued when stock runs out

For further information please contact our customer support team on 0870 843 0333, your local representative, your supplier of **TOSHIBA** products or email any enquiries to: - general.enquiries@toshiba-ac.com

SPECIFICATIONS (Preliminary)

RAS Multi-split Inverter Heat Pump Outdoor

Model name		RAS-	3M26S3AV-E	4M27S3AV-E	5M34S3AV-E
Cooling capacity		(kW)	7.5 (4.1 - 9.0)	8.0 (4.2 - 9.3)	10.0 (3.7 - 11.0)
Heating capacity		(kW)	9.0 (2.0 - 11.2)	9.0 (2.9 - 11.7)	12.0 (2.7 - 14.0)
Cooling	EER		3.75	3.50	3.42
	SEER		6.19	6.11	6.32
	Energy efficiency		A++	A++	A++
	Pdesingc	(kW)	7.5	8.0	10.0
Heating	COP		4.09	4.67	4.24
	SCOP		4.41	4.23	4.06
	Energy efficiency		A+	A+	A+
	Pdesignh	(kW)	5.2	5.2	6.8
Power supply		1 phase / 50Hz 230V (220V-240V), 1 phase / 60Hz 1220V			
Outer dimension	Height	(mm)	890		
	Width	(mm)	900		
	Depth	(mm)	320		
Total weight		(kg)	72		78
Fan unit	Standard air flow	(m3/h)	2507	2507	3562
Sound pressure level	Cooling/Heating	(dBA)	48/49		52/55
Sound power level	Cooling/Heating	(dBA)	63/64		66/68
Piping connection	A Liquid/Gas side	(mm)-(")	6.4 - 1/4 / 12.7 - 1/2		
	B Liquid/Gas side	(mm)-(")	6.4 - 1/4 / 12.7 - 1/2		
	C Liquid/Gas side	(mm)-(")	6.4 - 1/4 / 9.5 - 3/8		
	D Liquid/Gas side	(mm)-(")	-	6.4 - 1/4 / 9.5 - 3/8	
	E Liquid/Gas side	(mm)-(")	-		6.4 - 1/4 / 9.5 - 3/8
	Maximum length per unit	(m)	25		
	Maximum length total	(m)	70		80
	Maximum chargeless length	(m)	40		
Maximum height difference	(m)	15			

- ◆ Note:
 Rated conditions Cooling: Indoor air temperature 27°C DB/19°C WB, Outdoor air temperature 35°C DB
 Heating: Indoor air temperature 20°C DB, Outdoor air temperature 7°C DB/6°C WB

COMBINATIONS

RAS Multi-split Inverter Heat Pump Outdoor

Outdoor Model	Capacity Code		High Wall	Cassette	Bi-flow Console
RAS-3M26S3AV-E	10	RAS-	B10N3KV2-E	M10SMUV-E	B10UFV-E
	13	RAS-	B13N3KV2-E	M13SMUV-E	-
	16	RAS-	B16N3KV2-E	M16SMUV-E	B13UFV-E
	18	RAS-	-	-	B18UFV-E
RAS-4M27S3AV-E	10	RAS-	B10N3KV2-E	M10SMUV-E	B10UFV-E
	13	RAS-	B13N3KV2-E	M13SMUV-E	-
	16	RAS-	B16N3KV2-E	M16SMUV-E	B13UFV-E
	18	RAS-	-	-	B18UFV-E
RAS-5M34S3AV-E	10	RAS-	B10N3KV2-E	M10SMUV-E	B10UFV-E
	13	RAS-	B13N3KV2-E	M13SMUV-E	-
	16	RAS-	B16N3KV2-E	M16SMUV-E	B13UFV-E
	18	RAS-	-	-	B18UFV-E