

UFV

INVERTER CONSOLE

UFV



Bi-flow air delivery system



This feature enables users to select the favorable air flow outlet between the two available positioned at the top and bottom front of the unit.

The warm air distributed from the bottom front is a Toshiba unique feature.

Innovative and compact unit to be installed on the floor and in low wall applications, fit perfectly under the window sills or in a low ceiling attic.

Compact and modern design in all three dimensions (60x70x22 cm).

Toshiba IAQ filtration system.

Child lock function on the unit display panel.

Brightness level control of the display unit to reduce the led light glow.

Automatic restart function in case of unexpected electricity supply line power cuts.



INDOOR UNITS

- RAS-B10UFV-E1
- RAS-B13UFV-E1
- RAS-B18UFV-E1



OUTDOOR UNITS

- RAS-10N3AV2-E1
- RAS-13N3AV2-E1
- RAS-18N3AV2-E1
- RAS-M14GAV-E
- RAS-M18UAV-E
- RAS-3M26S3AV-E
- RAS-4M27S3AV-E
- RAS-5M34S3AV-E



REMOTE CONTROLS

- WIRELESS

B_UFV+N3AV2
Performance data

| Outdoor unit | | RAS-10N3AV2-E1 | | RAS-13N3AV2-E1 | | RAS-18N3AV2-E | | |
|-----------------------------------|-------|-----------------------|---------------------|-----------------------|--------------------|----------------------|---------------------|--|
| Indoor unit | | RAS-B10UFV-E1 | | RAS-B13UFV-E1 | | RAS-B18UFV-E1 | | |
| Cooling capacity | kW | 2,5 | | 3,5 | | 5,0 | | |
| Cooling range (min. - max.) | kW | 1,1 - 3,1 | | 1,1 - 4,1 | | 1,1 - 5,7 | | |
| Power input (min. - rated - max.) | kW | C | 0,23 - 0,595 - 0,91 | | 0,23 - 1,05 - 1,50 | | 0,20 - 1,66 - 1,95 | |
| EER | W/W | 4,20 | | 3,33 | | 3,01 | | |
| SEER | | 6,6 | | 6,3 | | 5,7 | | |
| Energy efficiency class | | A++ | | A++ | | A+ | | |
| Seasonal electricity consumption | kWh/a | C | 133 | | 194 | | 307 | |
| Annual energy consumption | kWh | 298 | | 525 | | 830 | | |
| Heating capacity | kW | 3,2 | | 4,2 | | 5,8 | | |
| Heating range (min. - max.) | kW | 1,0 - 4,8 | | 1,0 - 5,0 | | 1,1 - 6,3 | | |
| Power input (min. - rated - max.) | kW | H | 0,18 - 0,75 - 1,55 | | 0,18 - 1,25 - 1,80 | | 0,20 - 1,805 - 2,20 | |
| COP | W/W | 4,27 | | 3,36 | | 3,21 | | |
| SCOP (Average) | | 4,1 | | 4,0 | | 3,8 | | |
| Energy efficiency class (Average) | | H | A+ | | A+ | | A | |
| Seasonal electricity consumption | kWh/a | H | 1024 | | 1085 | | 1474 | |

B_UFV
Physical data Indoor unit

| Indoor unit | | RAS-B10UFV-E1 | | RAS-B13UFV-E1 | | RAS-B18UFV-E1 | | |
|-------------------------------|-------------------------|----------------------|------------|----------------------|------------|----------------------|------------|--|
| Air Flow (h) | m ³ /h - l/s | C | 468 - 130 | | 510 - 142 | | 600 - 167 | |
| Air Flow (l) | m ³ /h - l/s | C | 258 - 72 | | 270 - 75 | | 366 - 102 | |
| Sound pressure level (h/l)(q) | dB(A) | C | 39/26 (23) | | 40/27 (24) | | 46/34 (31) | |
| Sound power level (h) | dB(A) | C | 54 | | 54 | | 60 | |
| Air Flow (h) | m ³ /h - l/s | H | 510 - 142 | | 552 - 153 | | 642 - 178 | |
| Air Flow (l) | m ³ /h - l/s | H | 270 - 75 | | 288 - 80 | | 366 - 102 | |
| Sound pressure level (h/l)(q) | dB(A) | H | 39/26 (23) | | 40/27 (24) | | 46/34 (31) | |
| Sound power level (h) | dB(A) | H | 54 | | 55 | | 60 | |
| Dimensions (HxWxD) | mm | 600 x 700 x 220 | | 600 x 700 x 220 | | 600 x 700 x 220 | | |
| Weight | kg | 16 | | 16 | | 16 | | |

N3AV2
Physical data Outdoor unit

| Outdoor unit | | RAS-10N3AV2-E1 | | RAS-13N3AV2-E1 | | RAS-18N3AV2-E | | |
|--------------------------------|-------------------------|----------------------------|------------|----------------------------|------------|----------------------------|------------|--|
| Air Flow (max) | m ³ /h - l/s | C | 1800 - 500 | | 2250 - 625 | | 2178 - 605 | |
| Sound pressure level (h) | dB(A) | C | 46 | | 48 | | 49 | |
| Sound power level (h) | dB(A) | C | 61 | | 63 | | 64 | |
| Operating range | °C | C | -10~-46 | | -10~-46 | | -10~-46 | |
| Air Flow (max) | m ³ /h - l/s | H | 1800 - 500 | | 2250 - 625 | | 1914 - 532 | |
| Sound pressure level (h) | dB(A) | H | 47 | | 50 | | 50 | |
| Sound power level (h) | dB(A) | H | 62 | | 65 | | 64 | |
| Operating range | °C | H | -15~-24 | | -15~-24 | | -15~-24 | |
| Dimensions (HxWxD) | mm | 550 x 780 x 290 | | 550 x 780 x 290 | | 550 x 780 x 290 | | |
| Weight | kg | 33 | | 34 | | 39 | | |
| Compressor type | | DC Rotary | | DC Rotary | | DC Twin Rotary | | |
| Flare connections (gas-liquid) | inch | 3/8 - 1/4 | | 3/8 - 1/4 | | 1/2 - 1/4 | | |
| Minimum pipe length | m | 2 | | 2 | | 2 | | |
| Maximum pipe length | m | 20 | | 20 | | 20 | | |
| Maximum height difference | m | 10 | | 10 | | 10 | | |
| Chargeless pipe length | m | 15 | | 15 | | 15 | | |
| Power supply | V-ph-Hz | 220/240-1-50, 220/230-1-60 | | 220/240-1-50, 220/230-1-60 | | 220/240-1-50, 220/230-1-60 | | |

C = cooling mode, H = heating mode
 h/l = high/low speed
 q = quiet operation