



## SDI 1 SERIES Outdoor Unit



"Do you want the ultimate heating & cooling solution in terms of performance, comfort, control & reliability?"

TOSHIBA AIR SOLUTIONS > LIGHT COMMERCIAL > SDI 1 SERIES

### > TOP CLASS EFFICIENCY

- **A+++ energy label** in cooling & heating
- **Top class part load efficiency** with COP up to 6.5
- **Standby power consumption** reduced by 50% at 6W

### > INSTALLATION FLEXIBILITY

- **Old R22, R407C, and R410A pipes** can be reused
- **Compatible** with 1:1 or Twin configuration

### > ADVANCED CONTROL

- **Power consumption** estimation by day or by month with the RBC-AMS55E-ES/EN
- **Built-in leak** detection system
- **Compatible** with Modbus or KNX gateways

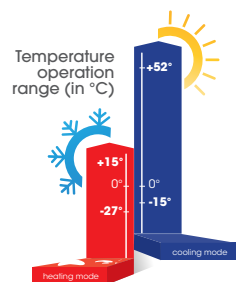
The SDI is the flagship solution of Toshiba's Light Commercial product range. It combines the very latest technologies, low environmental impact and exceptional durability.

### The ultimate in performance

With a SEER of 9.40 and a SCOP of 5.51, the Super Digital Inverter will maximise your energy savings and keep operating costs to a minimum thanks to Toshiba's legendary twin rotary compressors and vector controlled inverter. The SDI series of units also incorporates a unique fan blade design, and new ultra power heat exchanger to boost performances.

### All the flexibility you have ever dreamt of!

In addition of the wide temperature operating range from -27°C to +52°C, the Super Digital Inverter, with the ability to operate down to a 10% load, can adapt precisely the capacity output for maximum comfort all year round. The 75m piping length and 30m height difference in addition to the wide range of indoor units allow the Super Digital Inverter to be suitable for all kinds of projects.



### Keep the control

Combined with the RBC-AMS55E remote controller advanced functions enable installers and users to realise enhanced performance levels, minimise energy wastage and monitor system reliability.



## 4-way Smart Cassette



### > EFFICIENCY

- **A+++ SEER & SCOP**
- **High efficiency** heat exchanger with magic coil treatment
- **DC fan motor** with large air opening

### > ENERGY SAVINGS

- **Occupancy sensor** to automatically switch off the unit

### > COMFORT

- **Unique louver design** for strong or weak directional air diffusion
- **4 different swing** modes available
- **5-step air** flow adjustment

### > ELEGANCE

- **Timeless** design
- **Infrared** receiver or occupancy sensor can be integrated in one corner

Whatever you need



## Select your Indoor Unit and compatible Control Solution

### 4-WAY CASSETTES



### DUCTS



### HIGH WALL



### CEILING



### CONTROL



The RBC-AMS55E-ES/EN is the new local remote controller incorporating leak detection feature and energy monitoring.

All indoor units are compatible with both R410A and R32 outdoor units (except Smart Cassette)

## SUPER DIGITAL INVERTER 1 SERIES

## Performance Data

| Outdoor unit                                  |                         | RAV-GP561ATP-E<br>2 HP | RAV-GP801AT-E<br>3 HP | RAV-GP1101AT-E<br>4 HP | RAV-GP1401AT-E<br>5 HP |
|---|-------------------------|------------------------|-----------------------|------------------------|------------------------|
| <b>Cooling capacity (min. - rated - max.)</b> | kW                      | 1.2 - 5.0 - 5.6        | 1.9 - 7.1 - 8.0       | 3.1 - 10.0 - 12        | 3.1 - 12.5 - 14        |
| EER/SEER                                      |                         | 4.17/8.07              | 5.18/9.40             | 5.26/8.80              | 4.30/8.30              |
| Energy efficiency class                       | C                       | A++                    | A+++                  | A+++                   | -                      |
| <b>Heating capacity (min. - rated - max.)</b> | kW                      | 0.9 - 5.6 - 7.4        | 1.3 - 8.0 - 11.3      | 2.6 - 11.2 - 13        | 2.6 - 14.0 - 16.5      |
| COP/SCOP                                      | W/W                     | 4.34 / 5.01            | 5.52 / 5.51           | 5.14 / 5.00            | 4.61 / 4.97            |
| Energy efficiency class                       | H                       | A++                    | A+++                  | A++                    | -                      |
| Airflow                                       | m <sup>3</sup> /h - l/s | 2250 - 625             | 3180 - 883            | 6960 - 1933            | 6960 - 1933            |
| Sound pressure level                          | dB(A)                   | C 46                   | 46                    | 49                     | 50                     |
| Sound power level                             | dB(A)                   | C 63                   | 63                    | 66                     | 67                     |
| Operating range                               | °C                      | C -15 / 52             | -15 / 52              | -15 / 52               | -15 / 52               |
| Sound pressure level                          | dB(A)                   | H 48                   | 48                    | 50                     | 51                     |
| Sound power level                             | dB(A)                   | H 65                   | 65                    | 67                     | 68                     |
| Operating range                               | °C                      | H -27 / 15             | -27 / 15              | -27 / 15               | -27 / 15               |
| Dimensions (HxWxD)                            | mm                      | 630x799x299            | 1050x1010x370         | 1550x1010x370          | 1550x1010x370          |
| Weight  | kg                      | 45                     | 74                    | 104                    | 104                    |
| Compressor type                               |                         | DC Twin Rotary         | DC Twin Rotary        | DC Twin Rotary         | DC Twin Rotary         |
| Flare connections                             |                         |                        |                       |                        |                        |
| Gas   | in                      | 1/2                    | 5/8                   | 5/8                    | 5/8                    |
| Liquid  | in                      | 1/4                    | 3/8                   | 3/8                    | 3/8                    |
| Minimum pipe length                           | m                       | 3                      | 3                     | 3                      | 3                      |
| Maximum pipe length                           | m                       | 50                     | 50                    | 75                     | 75                     |
| Maximum height difference                     | m                       | 30                     | 30                    | 30                     | 30                     |
| Chargeless pipe length                        | m                       | 20                     | 30                    | 30                     | 30                     |
| Refrigerant                                   | Type/kg                 | R32 / 1.35             | R32 / 1.9             | R32 / 3.1              | R32 / 3.1              |
| Power supply                                  | V-ph-Hz                 | 220/240-1-50           | 220/240-1-50          | 220/240-1-50           | 220/240-1-50           |

Combination with Smart cassette  
C: cooling mode  
H: heating mode



TOSHIBA Air Conditioning participates in the ECP program for Comfort Air Conditioners (AC). Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)



**Better Air Solutions**