

The light commercial range. The applications

Digital and Super Digital Inverter air conditioners perfectly satisfy the requirement of the commercial sector for the best return on your investment.

Toshiba offers the best options on operating costs, flexibility and maintenance.

Moreover, thanks to its flexibility, Toshiba can always find the ideal product for any requirement: high performance, technology, compactness, optimum comfort.

Simplicity and beyond

The Digital Inverter range for business applications provides compact, light weight units with exceptional performance.

Thanks to the TCC-Link communication system, the systems suit any installation with little business disruption.

In addition, most of the Super Digital Inverter* boasts energy efficiency class A and enables an even larger range of applications.

The wide range of indoor units is able to satisfy any kind of requirement and the the enhanced DC twin rotary compressor delivers stable performance with less friction, making this system really silent.

*except for 3HP high-wall



Light Commercial



THE LIGHT COMMERCIAL RANGE

THE MOST ADVANCED SYSTEMS
FOR THE PROFESSIONALS.



Solutions for professionals, from professionals.

Toshiba Digital and Super Digital Inverter systems deliver exceptional operating savings in extremely compact units. With state-of-the-art technologies, flexible controls and improved installation they bring comfort and convenience to any business installation.

A complete range of indoor units satisfies all commercial applications: ceiling, cassette, ducted, suspended, high-wall and flexi units.

The enlargement of the range with maximum cooling capacities up to 27 kW allows to address even more commercial applications with larger volumes.



INDOOR UNITS



OUTDOOR UNITS

When the inverter becomes digital

The technology of the Digital Inverter control module ensures optimised reproduction of the supply sine wave at the desired frequency, in order to reduce inefficient harmonics that inverters normally emit.

With this innovative control method, the Toshiba Digital Inverter brings state-of-the-art inverter technology to the commercial sector, offering considerable advantages in terms of capacity, energy savings and optimised comfort.

Who says that you must choose between improved performance and minimised consumption?

The Toshiba Digital and Super Digital Inverters systems are powerful and extremely efficient. They provide air conditioning with great energy savings.

The Super Digital Inverter provides the best efficiency part load conditions performance in the industry in cooling and heating mode. In most applications, these systems can reduce the Seasonal Energy Consumption.

The variable capacity management of the compressor allows the Digital and Super Digital Inverter to maintain room temperature control and to ensure minimum energy wastage.

Super Digital Inverter serie 4 and Digital Inverter serie 3 can fit R22 or R407C old pipes in case of replacement of high-consuming fixed speed systems.

All the flexibility you have ever dreamt of

If you want high performance, compact units and optimum comfort, Toshiba has the ideal product for your requirements.

With the continuous improvement of the inverter control system, Toshiba offers vector control for its DC hybrid inverter, which enhances system efficiency and reduces noise levels.

High-tech elements include improved coils, high precision components and higher refrigerant compression thanks to redesigned compression channels.

Super Digital and Digital Inverter systems able to satisfy applications that require cooling at low operating conditions down to -15°C , while powerful heating capacities are possible at -20°C outdoor temperature.

The enhanced Eco-driving DC twin-rotary compressor delivers stable performance with extremely low rotor friction, making it ideal for noise-sensitive applications as well as for efficient operations in partial load conditions.

Light Commercial

INVERTER SYSTEMS

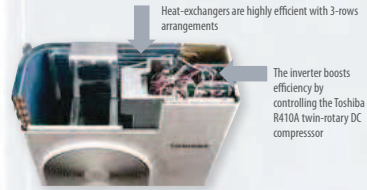
DIGITAL AND SUPER DIGITAL

The condensing coil

The condensing coil of SDI uses two different tubes to obtain the most efficient heat transfer. The phase changes from gas to liquid and the diameter is adapted according to the refrigerant state. The new big DI condensing coils goes even further to ensure maximum capacity and efficiency in the smallest footprint by using 3-rows heat exchanger.

Outdoor unit

High heat exchanger efficiency is achieved by using condenser coils with two different tube diameters.



A powerful breeze

The fan in the outdoor unit has been redesigned to deliver higher static pressure and a reduction in sound levels to offset a more compact heat exchanger.

New fan blades have been designed to reduce turbulence with "anti-eddy" protuberances and a reverse curved profile.

In this way, despite a more compact coil, airflow has been increased and sound power decreased.



Toshiba DI3 & SDI4: the ideal solution to replace old units, reusing existing refrigerant lines

Whatever you choice for top energy efficiency (SDI) or for compactness and cost competitiveness (DI), all the Toshiba LC range meets the increasing market needs, in terms of comfort and ease of installation. Thanks to the filter positioned in the refrigerant circuit, the SDI & DI systems, equipped with R410A refrigerant, can use piping designed for old R22 or R407C refrigerant. High-mesh filters and stable lubricant oil against chloride compounds, combined with high-tech Toshiba control, are key to make SDI and DI units suitable for reuse existing piping.

This solution offers significant benefits in terms of performances, acoustic comfort and efficiency.



2012 new products and features

- New infra red remote control kit
- Hi-wall serie SM_KRT (6 series)
- Low height standard ducted SM_BT (6 series)
- Upgraded Digital Inverter units size 4HP and 5HP (E1 series)

	Super Digital Inverter	Digital Inverter	Big Digital Inverter
Outdoor units			
Indoor units	RAV-SPxxx4AT - series 4	RAV-SMxxx3AT - series 3	RAV-SMxxx4AT - series 4
Four-way cassette RAV-SMxxx UT-E	Single split Twin split Triple split	Single split Twin split Triple split	Twin split Triple split Double-twin split
Cassette 600x600 mm RAV-SMxxxMUT-E	Single split Twin split Triple split	Single split Twin split Triple split	Double-twin split
Ducted RAV-SMxxx BT-E	Single split Twin split Triple split	Single split Twin split Triple split	Twin split Triple split Double-twin split
HP inverter Slim duct RAV-SMxxxSDT-E	Single split Twin split Triple split	Single split Twin split Triple split	Double-twin split
High Static pressure duct RAV-SMxxx 2DT-E			Single split
Ceiling RAV-SMxxx CT-E	Single split Twin split Triple split	Single split Twin split Triple split	Twin split Triple split Double-twin split
Hi Wall RAV-SMxxx KRT-E	Single split Twin split Triple split	Single split Twin split Triple split	Triple split Double-twin split
Flexi RAV-SMxxx XT-E			Single split