

In the consumer products field, Toshiba is improving the usability of familiar electric appliances anticipating customers' needs in the age of growing diversification of lifestyles. We provide user-friendly designed, energy-saving and environment-conscious products in response to customers' requests.

GR-X56FT/X53FT Reach-In Refrigerator



GR-X56FT refrigerator

Toshiba Home Appliances Corporation has released a reach-in moisturizing refrigerator, the GR-X56FT/X53FT, which is equipped with a new style “reach-in” vegetable compartment in the refrigerator, to improve the usability, storage capacity and energy-saving.

The main features are as follows:

- Easily viewable, more accessible vegetable compartment—Improved usability by installing the vegetable compartment in the refrigerator
- Large capacity refrigerator and freezer—Industry's largest capacity^(*): 377-liter refrigerator (approx. 1.4 times the size of conventional models), 110-liter freezer (approximately 1.6 times)
- Improvement of energy-saving—Separate cooling of the refrigerator and freezer by a dual twin cooling system eliminates the need for the antifreezing heater.
- High-humidity refrigerator—Average humidity of about 85% (industry's number one^(*)) to keep vegetables fresh
- Electromotive touch-opening door for freezer drawer—By adopting the same mechanism as for the refrigerator door, the drawing force is reduced to about one-tenth of a conventional model.
- Ozone cooling air purifier—Bacteria elimination and deodorant by “nano optical plasma + O₃” and degradation of ethylene gas keep the chamber clean.

(*) As of December 2007 (as researched by Toshiba)

TW-3000VE Heat-Pump Hybrid Drum-Type Air Conditioning Washer-Dryer



TW-3000VE heat-pump hybrid drum-type air conditioning washer-dryer

Toshiba Home Appliances Corporation has released a second-generation drum-type washer-dryer with a heat pump, the TW-3000VE, which is equipped with the world's first^(*) heating and cooling functions, and has attained the industry's leading^(*) energy-saving performance and reduced the drying time in the Japanese market.

The main features are as follows:

- High-efficiency dehydration by a high-power compressor and high airflow fan, without using coolant, helps to attain the industry's leading energy efficiency in the Japanese market (power consumption from washing to drying: 1200 Wh, Water consumption: about 63 L).
- Heating and cooling functions enable the machine to raise the temperature of an approximately 3.3 m² room from 5°C to 20°C in about 30 minutes, and lower the temperature from 30°C to 25°C in about 15 minutes.
- A self temperature control heater, which is used for the heater function during drying use, produces hot air at about 75°C for eliminating bacteria and deodorizing clothes.
- Twin vibration sensor (acceleration sensor) is designed to detect vibration directly and control drum rotation for minimizing vibration.

(*) As of December 2007 (as researched by Toshiba)

NEW Super Digital Inverter, Light Commercial Use Inverter Air-Conditioner

In January 2008, Toshiba Carrier Corporation launched a new super digital inverter air conditioner for light commercial use which consists of a newly designed outdoor unit and a 4-way cassette type indoor unit. This system provides exceptional energy-saving performance.

The key features are as follows:

- The DC twin rotary compressor with economy drive control realizes the widest capacity control range by extending the compressor speed range up to 10 rps. This new technology enables outstanding operating efficiency at medium loads or less, and the super digital inverter achieves market-leading annual energy efficiency.
- In the indoor unit, the self-cleaning function by a heat exchanger coated with aqua resin ensures long-term energy efficiency. Furthermore, the independent 4-way flap driving control provides new airflow to ensure comfort.



New 4-way cassette type indoor unit



10 rps
Economy drive control
DC twin rotary compressor

Outdoor unit of new digital inverter

E-CORE™ High Efficiency LED Downlight

White light-emitting diodes (LEDs) offer environment-friendly energy saving and long life, and are expected to become the next-generation lighting device. The usage of LEDs has been expanding from niche applications into general lighting along with the improvement of efficiency. To expand the LED lighting business, new products for the market should deliver on the following three aspects: miniaturization, high-performance (brightness and efficiency), and economic efficiency.

Toshiba Lighting & Technology Corporation has developed high-efficiency LED downlights, E-CORE™ 40 and E-CORE™ 60 with overall efficiency of 50 lm/W. The light output is equivalent to 40 W and 60 W incandescent downlights, respectively.

Compared with incandescent lamp downlights, the developed downlights consume about 1/7 of the power and last 20 times as long. Furthermore, the new products are inexpensive thanks to the rational structure design. The initial expense, which is higher than that of incandescent downlights, can be recouped in 5 years thanks to the energy saving and long life.



E-CORE™ 40 high-efficiency LED downlight (40 W type)



E-CORE™ 60 high-efficiency LED downlight (60 W type)