

# Consumer Appliances



Crystal Brown (XT)    Crystal Champagne (XN)    Crystal White (XW)



Conceptual image

**1** R-XG6700H (XT), (XN), and (XW) vacuum compartment large-capacity refrigerators (top) and vacuum compartment with food (bottom)

## 1 Large-capacity Refrigerator with “Vacuum Compartment”

Hitachi has launched the large-capacity XG Series refrigerator that uses a variety of technologies to keep food fresh and nutritious\*.

The main features are as follows.

- (1) Vacuum compartment that minimizes the oxidization and drying of food. This uses a new platinum catalyst (containing ruthenium) with an improved capability for generating carbon dioxide gas to keep food fresh by suppressing the action of enzymes on the food surface.
- (2) The new platinum catalyst is also used in the vegetable compartment to sustain the freshness of vegetables by utilizing the effect of carbon dioxide gas to suppress vegetable respiration.
- (3) The lower freezer compartment is equipped with a large aluminum tray and a special temperature sensor to freeze food quickly and automatically, keeping it in good condition.

(4) A new spot cooling function that keeps the third and fourth levels in the refrigerator compartment at a constant temperature of around 2°C, maintaining the freshness of food stored in the compartment. If a warm container is placed on the right-hand side of these spaces, it is detected by a special temperature sensor and automatically rapid-cooled to prevent temperature rise in nearby items.

(Hitachi Appliances, Inc.)

\* Effects vary depending on the operating conditions and the type, condition, and quantity of food.

## 2 Top-loading Washer/Dryer

Hitachi has released the BW-DX120B top-loading washer/dryer with a washing capacity of 12 kg (washing capacity: 12 kg, washing/drying capacity: 6 kg).

The main features are as follows.

- (1) The industry’s largest washing capacity of 12 kg is large enough not only to handle a full load of clothes each time, but also to wash four single blankets (of up to 1.5 kg each) all at once using the blanket wash program.
- (2) Provides a high-flow-rate circulation wash that removes even stubborn dirt uses a detergent and dirt level sensing system that does a good



**2** BW-DX120B (N) (left) and BW-DX120B (W) (right) top-loading washer/dryers

job of removing dirt automatically by sensing whether powder or liquid detergent is being used and adjusting the dissolving time accordingly, and by extending the wash cycle by up to 10 minutes when clothes are particularly dirty.

(3) Also uses a hot water mist to warm clothes that have soaked in detergent so as to activate the power of the detergent's enzymes and prevent yellowing due to the oxidation of sebum residue on the clothes.

(Hitachi Appliances, Inc.)

### 3 Cyclonic Cordless Stick Vacuum Cleaner

Hitachi has launched the PV-BEH900, a cordless stick vacuum cleaner with a selection of attachments to reach a variety of different places.

The main features are as follows.

(1) The range of attachments provided, including a multi-gap brush and small-diameter hose, give the vacuum cleaner the ability to reach a variety of different places, not just floors.

(2) The vacuum cleaner is designed for ease of use, with features that include a small, high-power fan motor and Hitachi's unique dust and air centrifugal system that provide a high level of power despite being cordless; light-emitting diode (LED) lamps for illuminating dark spaces; an exhaust shutter that can direct the vacuum cleaner's exhaust air flow to the left or right to avoid it blowing onto the user; and a replaceable cassette-type lithium-ion battery.

(3) Has an easy action and can be relied on to vacuum up dirt of all sizes, from large to small, with a powerful nozzle (for floors) that has a



3 PV-BEH900 cyclonic cordless stick vacuum cleaner

shutter that opens and closes as the nozzle is moved backwards and forwards.

(Hitachi Appliances, Inc.)

### 4 Health-conscious Superheated Steam Microwave Oven

Hitachi has launched the MRO-TW1 health-conscious superheated steam microwave oven that incorporates Hitachi's unique double scanning system that measures both the food temperature and weight (including the dish)<sup>\*1</sup>, and a scanning feature<sup>\*2</sup> for automatically controlling the heat during cooking.

The main features are as follows.

(1) Double scanning system that supports a wide variety of cooking (with 93 automatic menu options). These include seven newly added "meal set" options for cooking four servings made up of one main dish and two side dishes (147 different combinations of main and side dishes). Furthermore, there is also an option available for defrosting and heating food with a high degree of uniformity.

(2) The oven functions use fan baking at up to 300°C, and are able to roast a large amount of food with high quality using two-level cooking<sup>\*3</sup>. The new model can preheat up to 200°C in approximately 4 minutes and 50 seconds.

(3) A collection of web recipes are available that are convenient for checking ingredients, recipes, and videos<sup>\*4</sup> on a smartphone while shopping or cooking.

(Hitachi Appliances, Inc.)

\*1 Measures the difference between the surface temperature before heating and the surface temperature specified for the menu selection.

\*2 93 automatic menu options. The preheated, black griddle, and manual menu options are not included in the scanning feature.

\*3 Two-level cooking is only available when using manual settings.

\*4 Videos are only available for some menu options.



Metallic red (R)



Pearl white (W)

4 MRO-TW1 health-conscious superheated steam microwave oven

## 5 Induction Hob

Hitachi has launched 12 models of its HT-L300T, L200T, and L100T series of three-zone induction hobs that feature automatic oven menu items that include an industry-first<sup>\*1</sup> option for simmering fish in soy sauce using a proprietary ridged-surface grill dish and a flat-surface oven dish.

The main features are as follows.

- (1) The ridged-surface grill dish supplied with the cooker can be used to grill fish and other foods, achieving a crisp finish without the need to turn the food over. The flat-surface grill dish supplied with the cooker simplifies the oven cooking of dishes such as roast beef, ensuring that they are cooked all the way through. Meanwhile, an option for simmering fish in soy sauce has been added to the automatic oven menu items, with uses that include boiling fish, etc. in a way that preserves their original shape.
- (2) For four recipes (hamburger, dumplings, sautéed chicken, and sautéed fish), a support function for getting the right cooking temperature<sup>\*2</sup> is available on the left and right induction heating (IH) zone. Its capabilities include issuing an audio notification to the user when it is time to turn food over.
- (3) A full dot-matrix liquid crystal display (LCD) screen has been adopted for the oven operation controls to present settings and other information more clearly.

(Hitachi Appliances, Inc.)

<sup>\*1</sup> As of October 2017, for domestic IH cookers on the Japanese market (based on research by Hitachi Appliances).

<sup>\*2</sup> The support function for getting the right cooking temperature is only available when using manual settings.



\* Display unit turned on for clarity.

5 Induction hob HT-L300XTWF (W)

## 6 Inverter Pump

Hitachi has launched the WT-P200X tank-type high-pressure inverter pump for shallow wells that features strong suction pressure with a high level of endurance, superior energy efficiency<sup>\*1</sup>, and low noise performance<sup>\*2</sup> compared to the previous model.

The main features are as follows.

- (1) To combine strong suction pressure with superior energy efficiency and low noise performance, the new model features a high-efficiency pump head for which computational fluid dynamics is used to optimize the shapes of the rotating blade and casing. This provides the new pump with strong suction pressure (a head of 21 m) while also achieving superior performance to the previous WT-P200W model, with power consumption of 440 W (30 W lower) and an operating noise level of 49 dB (5 dB lower).
- (2) The pump retains its power over time, with sand abrasion during pumping being significantly reduced by the use of a wear-resistant elastic casing in which the internal high-pressure parts are made from elastomers.

The range of tank-type high-pressure inverter pumps comprises 12 models in total, with six models for use with shallow wells (including the WT-P200X) launched in April, and six more for both shallow and deep wells in July.

(Hitachi Appliances, Inc.)

<sup>\*1</sup> Comparison of new WT-P200X (440 W) and the WT-P200W (470W) model released in 2012. Measurements were performed in accordance with JIS B 8314 (based on research by Hitachi Appliances).

<sup>\*2</sup> Comparison of new WT-P200X (49 dB) and the WT-P200W (54dB) model released in 2012. For a head of 8 m. Measurements were performed in accordance with JIS B 8310 (based on research by Hitachi Appliances).



6 WT-P200X inverter pump for shallow wells (left) and CT-P250X inverter pump for both shallow and deep wells (right)