

Four-door refrigerator-freezer with Plasmacluster technology, J-Tech inverter compressor and automatic ice maker



TECHNICAL DATA

Total capacity [l]	611	Glass doors	yes
Refrigerator capacity [l]	395	Cold air circulation odor neutralization system	yes
Freezer capacity [l]	261	Interior lighting	14 (LED, double-sided)
Dimensions (width x height x depth) [mm]	892 x 1830 x 770	Climate Class	T
Net/gross product weight [kg]	112/125	Door Alarm	yes
Energy Efficiency	E	Holiday Mode	yes
Cooling system (refrigerator)	Hybrid Cooling/NoFrost	Freezing capacity [kg/24 hours]	9,8
Cooling system (freezer)	NoFrost	Sound level [dB]	38
Internal control panel	yes	EAN code	4550556163880

Equipment

- 1 Hybrid cooling panel
- 2 Double-sided lighting
- 3 Vegetable drawer
- 4 Bottle container
- 5 Small freezer drawer, 3 pcs.
- 6 Large freezer drawer, 2 pcs.
- 7 Door bins, 4 pcs.
- 8 Fresh produce drawer (upper and lower)
- 9 Automatic ice maker
- 10 Ice cube container



Most important solutions and technologies

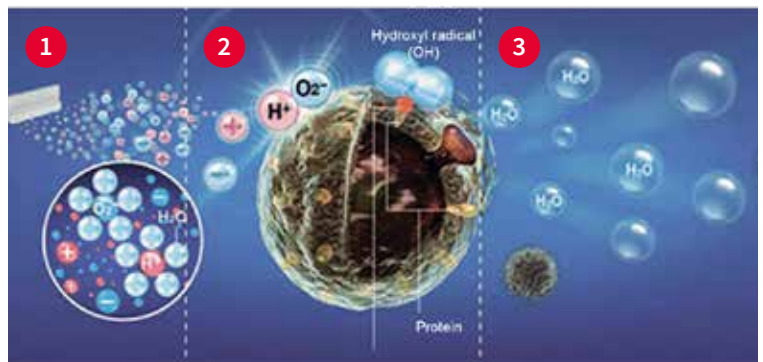
Plasmacluster Technology

Natural air purification system.

Plasmacluster is Sharp's original air purification technology, designed to neutralize airborne viruses and break down and remove airborne mold. A plasma discharge produces and releases the same positive and negative ions found in nature.

The effectiveness of these unique solutions invented by Sharp in 2000 has been confirmed by 54 official certificates from international institutions.

- 1** Plasmacluster ions are created through a plasma discharge and released into the air. They are identical to the positive and negative ions naturally present in the environment, making this technology completely safe for both people and animals.
- 2** Hydroxyl radical (OH) ions are highly reactive and, when they come into contact with mold or bacteria, they quickly extract hydrogen from protein surfaces, breaking them down. This process disables the bacteria's ability to reproduce.
- 3** Hydroxyl radicals (OH) bind with hydrogen (H) to form water molecules (H₂O), which are released into the air.



Plasmacluster Technology in the refrigerator



The Plasmacluster generator operates during rapid cooling, helping keep the refrigerator clean by removing airborne bacteria once the door is closed. This helps to keep the food fresh and extend its shelf life.

Plasmacluster ions also help eliminate ethylene gas, which is naturally released during the ripening and decay of fruits. Certain fruits, like apples, emit this gas, which accelerates the ripening process. Ethylene gas can have undesirable effects, particularly in the refrigerator, where faster ripening of fruit and vegetables is undesirable.

- Longer food storage
- Elimination of mold, fungi and bacteria
- Active interior cleaning with doors closed
- Reducing food waste = saving money



Inverter compressor with J-Tech technology

Proven solution for reducing electricity consumption



J-Tech Inverter. A Smarter Approach to Compressor Control.

The J-Tech Inverter technology intelligently manages the speed of dual fans through precise control of the inverter compressor.

The J-Tech Inverter compressor features 36 levels of speed control.

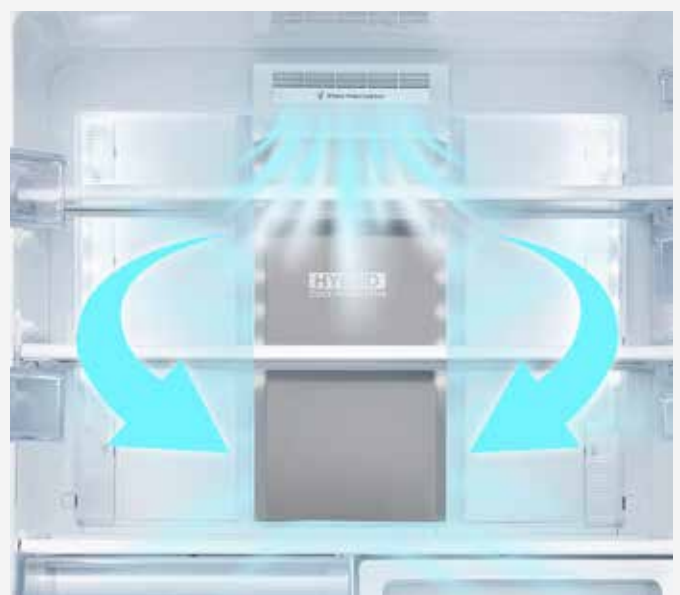
This prevents sudden fluctuations, reducing the energy needed to maintain a stable temperature. It also requires less power to restore the set temperature after the refrigerator door is opened.

Additionally, the J-Tech Inverter maintains a low, constant dual fan speed of 1200 rpm when the refrigerator door is closed. When the door is opened, it automatically switches to a high speed of 4250 rpm to quickly restore the set temperature, then returns to the lowest speed. Consequently, J-Tech Inverter refrigerators are among the quietest on the market, with a noise level as low as 38 dB(A). This makes them ideal for open-plan kitchens connected to living areas, where quiet operation is essential for comfort.

Hybrid Cooling System

Cool air alone isn't enough to keep food fresh. What truly matters is maintaining a consistent temperature throughout the refrigerator and avoiding direct airflow onto stored items.

That's why the SJ-GP780D-BK features a hybrid cooling system that combines Full No Frost with static cooling. The Full No Frost system ensures even cooling across all areas, while the aluminum rear panel—cooled by fan-assisted air to around 0°C—gently cools the interior without blowing cold air directly onto the food. This indirect cooling method helps prevent items from drying out or freezing, keeping them fresher for longer.



Uniform cooling of any space

Cool air circulation also reaches products stored in the door pockets.

Thanks to a special design featuring small vents at the bottom of each pocket, cool air can flow around all stored products.



Useful operating modes in the freezer compartment



Express Cooling

Rapidly chills food and drinks in just 30 minutes.

Express Freezing

Quickly freeze food or make ice cubes. The entire process takes just two hours.

Equipment and practical **solutions**

Automatic **ice maker**

The set also includes **an ice scoop for convenient serving and a sound-dampening mat to minimize noise** from falling ice cubes.

SIZE OF ICE CUBES	NUMBER OF ICE CUBES	PREPARATION TIME
Standard	Approx. 232 pieces	Approx. 2 hours
Large size	Approx. 112 pieces	Approx. 3.5 hours



Bottle pocket



One of the door bins can hold bottles up to 5 liters and other oversized products.

Water tank



The water tank has a capacity of approx. **1.8 liters**.

The set also includes **ice cube scoop and a noise-dampening mat**. The water tank **is coated with an antibacterial silver ion coating**, which helps keep it clean.

Four wheels

The refrigerator weighs 112 kg. To make transport and installation easy—and to protect your floors—the refrigerator is equipped with four wheels. They allow you to effortlessly move and position the unit, as well as slide it out for cleaning, helping keep the space behind it neat and accessible.

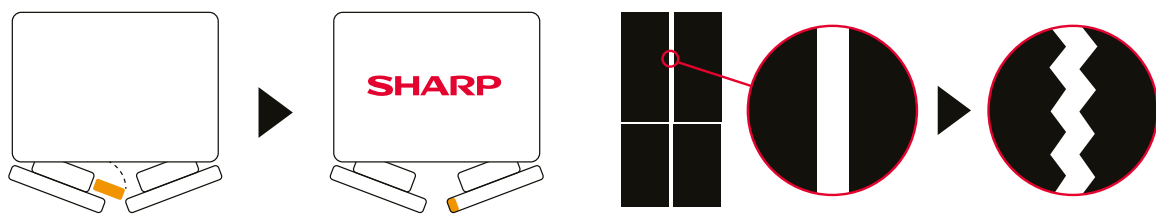


Anti-fingerprint coating

A special coating **prevents fingerprints from showing on the refrigerator door**, helping the appliance maintain its sleek appearance even with frequent use.



Door sealing system – a unique technology on the market



The doors achieve a full, tight seal without the need for an additional post between them, ensuring ease of use while eliminating the risk of damage to the refrigerator.

Thanks to Sharp's patented door sealing technology, the door balconies extend across the entire inner surface, maximizing storage space.

