

HITACHI



**Hitachi Refrigerator
French Bottom Freezer**

The Art of Ease

Vacuum-sealed for Food Freshness

Hitachi's Original Vacuum Compartment

The secret to longer-lasting freshness is reduced oxygen levels. Hitachi's original vacuum preservation extracts air to maintain approx. 0.8 atm (atmospheric pressure). The meat, fish and dairy products are kept fresh and nutritious, and ready to cook without defrosting.



Refreshing Technology Maintains 0.8 atm Vacuum*6

Hitachi innovation at its finest and most consistent: the sealed pressure-resistant vacuum realises and maintains the vacuumed environment. A vacuum pump extracts air and reduces oxygen to achieve approx. 0.8 atm (atmospheric pressure) throughout.

Nutrition Retention

Stay healthy. A vacuumed environment prevents oxidation and retains nutrients inside the food.



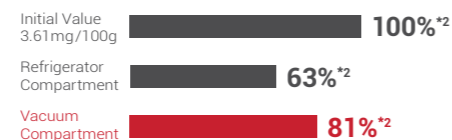
DHA Value in Mackerel Stored after 3 Days^{*1}

Tested and Report by Suranaree University of Technology^{*2}



Vitamin C Value in Pineapples Stored after 3 Days^{*3}

Tested and Report by Suranaree University of Technology^{*2}



Vitamin C Value in Papaya Stored after 7 Days^{*3}

Tested and Report by Suranaree University of Technology^{*2}



Quick Seasoning

Quick seasoning is made possible because the compartment removes air from stored food, enabling seasoning to be absorbed at a faster rate. So, with less time required for seasoning and cooking, such as for marinated seasoning or dehydrating the dried items, there's more time for eating!



Optimal Preservation

Preserves your various type of foods in optimal condition.



A Tale of 2 Temperature Zones

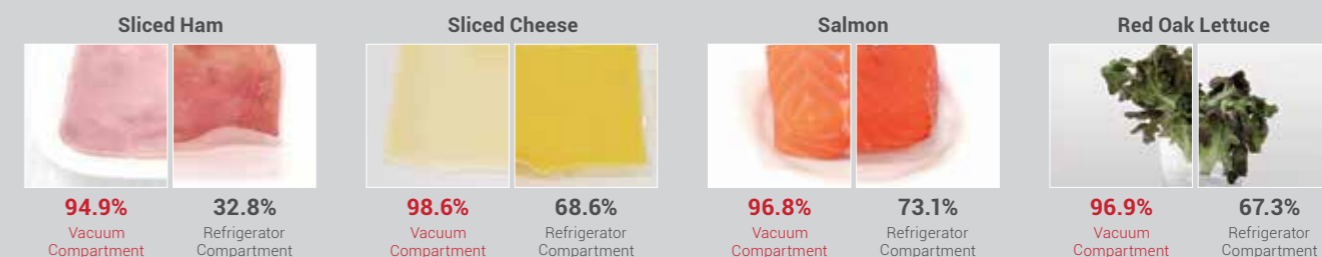
Now, you can truly chill. Store your food without freezing by selecting a suitable temperature for the stored items, and help prevent deterioration of flavours and texture.



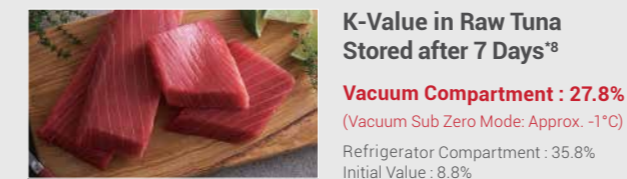
Freshness Preservation

Excellent preservation of original flavour and texture, by keeping them fresh without getting frozen, and hydrated without the need for troublesome wrapping.^{*7}

Moisture Retention Level



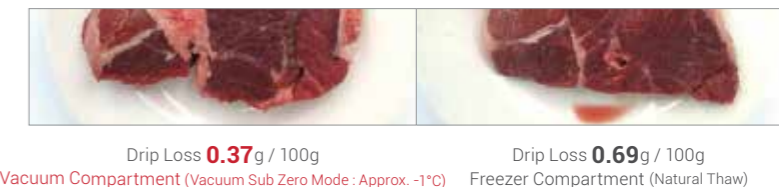
Enjoy Fresh Raw Food (Sashimi)!



Enjoy Fresh Food!



Lamb Stored after 7 Days^{*9}



Flavour Preservation

Excellent preservation of original flavour and texture, by minimising the drips while keeping them fresh without getting frozen and hydrated without the need for troublesome wrapping.

^{*1} Tested Model : R-X7300F. The effect may differ depending on types or freshness of food stored. This effect does not extend to best-before and expiration dates, and does not guarantee the indicated shelf life.
^{*2} Tested by The Center for Scientific and Technological Equipment, Suranaree University of Technology under the rules, conditions and test results at the time of testing and analysis. Graph data calculated by Hitachi.
^{*3} Tested Model : R-M80VAGGD9X. The effect may differ depending on types or freshness of food stored. This effect does not extend to best-before and expiration dates, and does not guarantee the indicated shelf life.
^{*4} Tested by Hitachi.
^{*5} Tested by Hitachi. Tested Model : R-S38JV. The effect may differ depending on types or freshness of food stored.
^{*6} Vacuum means the space where the pressure is lower than the atmospheric pressure. The pressure in the Vacuum Compartment is about 0.8 atm, which is lower than the atmospheric pressure, hence, Hitachi considers this a vacuum.
^{*7} Tested by Hitachi. Tested model : R-S38JV.
^{*8} Tested by Hitachi. Tested Model : R-WB64VGD0. K-value is an indication of freshness. The lower the value, the fresher the item. K-value of 60% or higher is not suitable for eating raw and consumption. The effect may differ depending on types or freshness of food stored, and does not extend to best-before and expiration dates.
^{*9} Tested by Hitachi. Tested Model : R-WB64VGD0. The effect may differ depending on types or freshness of food stored, and does not extend to best-before and expiration dates.

Flexible Storage Selectable Zone

The Selectable Zone feature allows you to customise mode settings based on your storage and lifestyle needs.



Cook instantly without the need to defrost with Soft Freeze -3°C



Easy Cutting

Softly frozen foods are easy to slice.



Easy to Prepare Portions

Just take the amount that is needed.



Cook Immediately

Cook without the need to defrost the food.

Fresh Vegetables with Organised Storage

Separate Vegetable Compartments

For long-lasting freshness, each of the cases maintains the moisture of the food at the optimal level of approx. 90%* with indirect cooling. And the completely separate compartments are always full of clean air with no transferred odours thanks to the Triple Power Filter.



*Tested by Hitachi. Differs depending on the amount and type of vegetables.



Dry Food

Vegetable

Optimal Storage

Select Case (Dry Food - Vegetable)

Select based on your storage needs. Ideal for preserving dry food or vegetable.

Breakthrough Energy Saving*2

INVERTER × Dual Fan Cooling



Provides optimal cooling in both the freezer and refrigerator compartments, something a single fan cannot do. Improved Dual Fan Cooling with dedicated fans for each compartment ensures powerful cooling. This is supported by the Eco Thermo-Sensor in each compartment that detects any temperature change separately to enable the ideal temperature change to be maintained in each of the compartments at all times.



Energy Saving*2

The Eco Thermo-sensor and Inverter Compressor control the amount of chilled air to be delivered to each compartment.



Stabiliser Free*2 130V-300V

Even without a special stabiliser, Hitachi's inverter refrigerator can operate under wide voltage fluctuations from 130V-300V.



Long Cool Keeper*2 15 Hours

The temperature in the freezer compartment is maintained to keep food fresh in the event of a power cut, for up to 15 hours.

Customise mode settings based on your storage and lifestyle needs



Freezer -18°C to -20°C

Ice Cream & Frozen Items

Wish to separate your frozen savoury food from your ice cream and ice? Now you can with an additional storage option of the Freezer setting.



Soft Freeze -3°C

Meat & Fish

Choose the Soft Freeze setting to keep meat and fish fresh; you can easily cook them instantly without the need to defrost.



Chill/Meat 1°C

Dairy & Meat

Keep your dairy, meat and fresh food in ideal 1°C in the Chill/Meat setting.



Refrigerator 3°C

Drinks & Foods

Running out of space for your drinks and food? You can now have extra storage refrigerator space at 3°C.

Other Features



Powerful Deodorisation

Triple Power Filter

Triple Power Filter removes odour components*3 and removes bacteria on the filter by 99%.*4



Big yet Easy to Use

The often-used refrigerator compartment is positioned at the top for easy use and offers a wide field of vision. Even with a lot of food stored, with the neat storage compartment, a glance is all you need to see everything, so it's easy to put in and take out items.

*1 Image is for illustrative purposes only.

*2 Tested by Hitachi. Operating conditions may differ depending on situations and specifications.

*3 Triple Power Filter that catches and removes 7 odour components (Tested by Hitachi. The type of odours : Methyl Mercaptan, Ammonia, Acetaldehyde, Trimethylamine, Propanal, Hexanal and Acetic Acid).

*4 Also provides a sterilising effect. Combining the properties of Activated Carbon, Zeolite and Manganese Oxide (catalyst), the filter greatly reduces the percentage of odours present over time. Testing organisation : Boken Quality Evaluation Institute. Testing method : Film adhesion method (JISZ2801). Name of processing component : Filter. Sterilisation method : Application of oxidation catalyst to filter. Subject : Bacteria trapped in filter. Test results : 99% sterilised after 24 hours, achieved using the filter alone. No effect on the environment and food inside the refrigerator.



Clean Ice Automatically Made for You

Ice cubes are made automatically and continuously by simply filling the tank with water. When you want to make ice quickly, switch the Quick Freezing mode ON. This will make ice approx. 22%⁵ faster.



Quick Cooling

When you want to cool items quicker and powerfully, switch the Quick Cooling mode ON. This cools items approx. 30%⁶ faster.



Premium Design

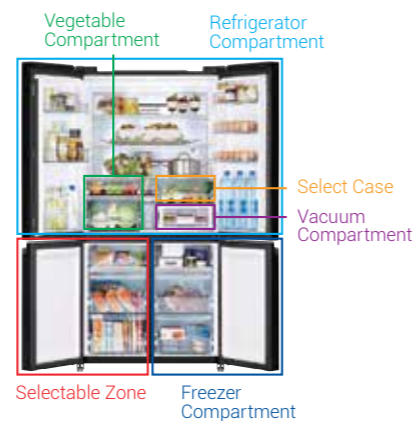
Designed with luxury in mind, aluminium is used for the interior back panel for a touch of elegance and comes with an energy-saving wide bright ceiling LED light. Sleek refined flat doors with recess handles, seamlessly blends into your home interior for an elegant harmonious look.



Designed for Convenience

Touch Screen Controller
Flat glass panel controls let you change the settings with a simple touch. And a wipe is all it takes to clean the tempered glass surface.

Deluxe
R-WB640VOMS-5
Net 569L



Refrigerator Compartment

- Vacuum Compartment
- Selectable Zone
- Select Case (Vege ↔ Dry)
- LED Light
- Tempered Glass Shelves
- Selectable Zone (Freezer Approx. -18°C to -20°C, Soft Freeze Approx. -3°C, Chill/Meat Approx. 1°C, Refrigerator Approx. 3°C)

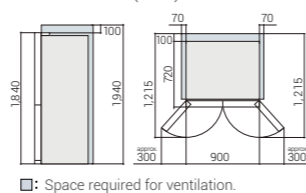
Freezer Compartment

- Automatic Ice Maker
- Quick Freezing

General Features

- Inverter Control
- Dual Fan Cooling
- Dual Sensing Control (Eco Thermo-Sensor)
- Touch Screen Controller
- Triple Power Filter
- Mouldproof Door Gasket
- No Frost
- CFC Free
- HFC Free

Dimensions (mm)



□: Space required for ventilation.

Flexible Storage Selectable Zone

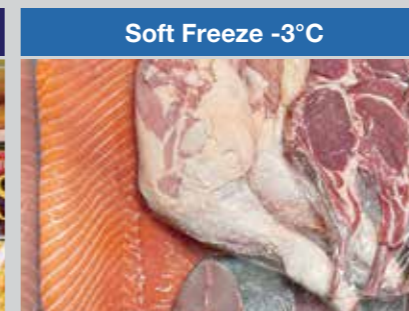
The Selectable Zone feature allows you to customise mode settings based on your storage and lifestyle needs.



Freezer -18°C to -20°C

Ice Cream & Frozen Items

Wish to separate your frozen savoury food from your ice cream and ice? Now you can with an additional storage option of the Freezer setting.



Soft Freeze -3°C

Meat & Fish

Choose the Soft Freeze setting to keep meat and fish fresh; you can easily cook them instantly without the need to defrost.



Cook instantly without the need to defrost with Soft Freeze -3°C



Easy Cutting

Softly frozen foods are easy to slice.



Easy to Prepare Portions

Just take the amount that is needed.



Cook Immediately

Cook without the need to defrost the food.

Fresh Vegetables with Organised Storage

Separate Vegetable Compartments

For long-lasting freshness, each of the cases maintains the moisture of the food at the optimal level of approx. 90%* with indirect cooling. And the completely separate compartments are always full of clean air with no transferred odours thanks to the Triple Power Filter.



*Tested by Hitachi. Differs depending on the amount and type of vegetables.



Optimal Storage

Select Case (Dry Food - Vegetable)

Select based on your storage needs. Ideal for preserving dry food or vegetable.

⁵ Tested by Hitachi. Comparison between Quick Freezing mode ON and OFF. Based on French Bottom Freezer Deluxe 645L model.
⁶ Tested by Hitachi. Comparison between Quick Cooling mode ON and OFF. Based on French Bottom Freezer Deluxe 645L model.

Breakthrough Energy Saving*2

INVERTER × Dual Fan Cooling



Provides optimal cooling in both the freezer and refrigerator compartments, something a single fan cannot do. Improved Dual Fan Cooling with dedicated fans for each compartment ensures powerful cooling. This is supported by the Eco Thermo-Sensor in each compartment that detects any temperature change separately to enable the ideal temperature change to be maintained in each of the compartments at all times.

Other Features



Powerful Deodorisation

Triple Power Filter

Triple Power Filter removes odour components*3 and removes bacteria on the filter by 99%.⁴



Big yet Easy to Use

The often-used refrigerator compartment is positioned at the top for easy use and offers a wide field of vision. Even with a lot of food stored, with the neat storage compartment, a glance is all you need to see everything, so it's easy to put in and take out items.

Standard
R-WB640PMS1-5
Net 569L



Glass Clear Black (GCK)



Refrigerator Compartment

- Select Case (Vege ↔ Dry)
- LED Light
- Tempered Glass Shelves
- Selectable Zone (Freezer -18°C to -20°C, Soft Freeze -3°C)
- Chilled Case

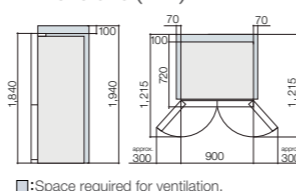
Freezer Compartment

- Automatic Ice Maker
- Quick Freezing

General Features

- Inverter Control
- Dual Sensing Control (Eco Thermo-Sensor)
- Triple Power Filter
- Mouldproof Door Gasket
- No Frost
- CFC Free
- HFC Free

Dimensions (mm)



□:Space required for ventilation.



Energy Saving*2

The Eco Thermo-sensor and Inverter Compressor control the amount of chilled air to be delivered to each compartment.



Stabiliser Free*2 130V-300V

Even without a special stabiliser, Hitachi's inverter refrigerator can operate under wide voltage fluctuations from 130V-300V.



Long Cool Keeper*2 15 Hours

The temperature in the freezer compartment is maintained to keep food fresh in the event of a power cut, for up to 15 hours.



Powerful Cooling 60°C

Even if the ambient temperature reaches as high as 60°C, inside the refrigerator is still cooled.



Clean Ice Automatically Made for You

Ice cubes are made automatically and continuously by simply filling the tank with water. When you want to make ice quickly, switch the Quick Freezing mode ON. This will make ice approx. 22%⁵ faster.



Quick Cooling

When you want to cool items quicker and powerfully, switch the Quick Cooling mode ON. This cools items approx. 30%⁶ faster.



Efficient Inverter Compressor

10 years warranty

Hitachi refrigerators use an energy-efficient, electronically controlled inverter compressor. The compressor provides powerful cooling and lowers noise.



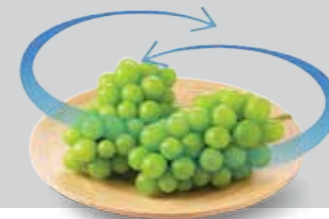
Flexible Temperatures for Your Storage Needs

The Selectable Zone feature allows you to customise mode settings based on your storage and lifestyle needs.



Surround Air Cooling

The air circulation system blows less direct cold air on the food inside the whole fridge. No Frost cooling system optimizes the cold air distribution inside the refrigerator. Cool air comes from the sides of the sleek designed backwall and surrounds the shelves more equally. Surround Air Cooling keeps the food under a gentle air flow.



Energy Saving*

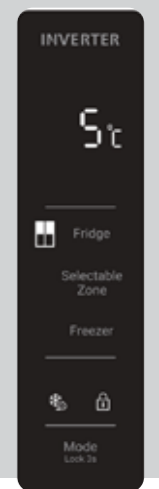
The Eco Thermo-sensor and Inverter Compressor control the amount of chilled air to be delivered to each compartment.

*Tested by Hitachi. Operating conditions may differ depending on situations and specifications



Touch Screen Controller

Flat panel controls let you change the settings with a simple touch. And a wipe is all it takes to clean the surface.



*1 Image is for illustrative purposes only.

*2 Tested by Hitachi. Operating conditions may differ depending on situations and specifications.

*3 Triple Power Filter that catches and removes 7 odour components (Tested by Hitachi. The type of odours : Methyl Mercaptan, Ammonia, Acetaldehyde, Trimethylamine, Propanal, Hexanal and Acetic Acid).

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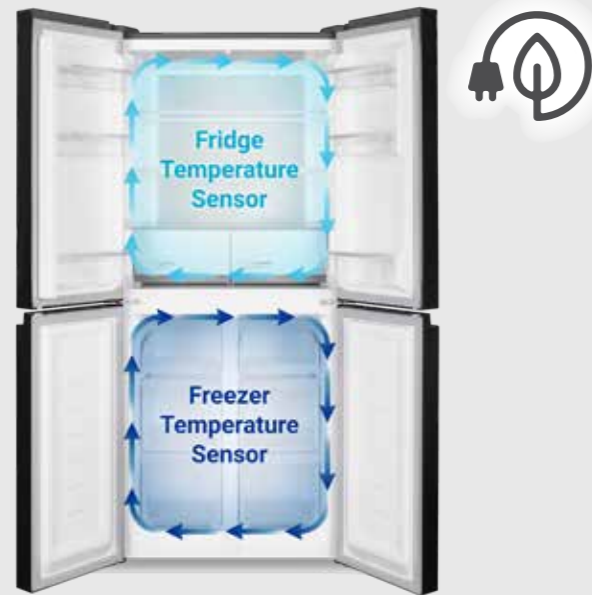
Testing organisation : Boken Quality Evaluation Institute. Testing method : Film adhesion method (JISZ2801). Name of processing component : Filter. Sterilisation method : Application of oxidation catalyst to filter. Subject : Bacteria trapped in filter. Test results : 99% sterilised after 24 hours, achieved using the filter alone. No effect on the environment and food inside the refrigerator.

*5 Tested by Hitachi. Comparison between Quick Freezing mode ON and OFF. Based on French Bottom Freezer Deluxe 645L model.

*6 Tested by Hitachi. Comparison between Quick Cooling mode ON and OFF. Based on French Bottom Freezer Deluxe 645L model.

Dual Sensing Control

Hitachi refrigerators have two Eco Thermo-Sensors, one in the freezer compartment and the other in the refrigerator compartment. The sensors detect any temperature changes separately to enable the ideal temperatures to be maintained in each of the compartments at all times.



VIP – Vacuum Insulation Panel Technology

VIP is a thin panel with a very fine glass fiber vacuum inside, giving an extremely high heat insulation performance - much higher than that of Urethane, a conventional insulation material. It prevents external heat from entering to achieve exceptional energy savings.



Illuminated LED Lighting

LED in Refrigerator and Freezer Compartments. Energy saving anti-glare LED lights have been used not only in fresh food compartment but also freezer compartments.



Metal Backwall Design

Designed with luxury in mind, aluminum is used for the interior back panel for a touch of elegance.



Slim

HR4N7522DS1DXSG
Net 466L Gross 522L



Refrigerator Compartment

- Selectable Zone (5°C ~ -3°C)
- Metal Backwall
- Tempered Glass Shelves
- LED Light

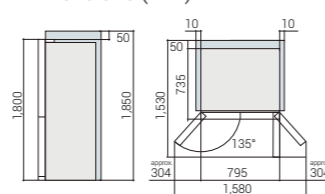
Freezer Compartment

- Quick Freezing
- Modular Twist Ice Tray
- LED Light

General Features

- Inverter Compressor
- Surround Air Cooling
- Eco / Holiday Mode
- Eco Thermo-Sensor
- Dual Sensing Control
- Touch Screen Controller
- No Frost ● CFC-Free ● HFC-Free

Dimensions (mm)



□: Space required for ventilation.

SPECIFICATIONS

		4 Door	
		Deluxe R-WB640V0MS-5	Standard R-WB640PMS1-5
Model			
Net Capacity (L ¹)	Total	569	569
	Freezer (including Selectable Zone)	197	197
	Refrigerator	372	372
	Selectable Zone	97	97
Refrigerator Compartment	Vacuum Compartment without LED	• (6L)	-
	Water Tank with Filter	•	•
	Egg Tray	•	•
	Select Case (Vege ↔ Dry)	•	•
	Utility Case	•	•
	Aluminum Panel	•	-
	Quick Cooling	•	•
	Chilled Case	-	•
	Tempered Glass Shelves	3	3
	Adjustable Shelves	•	•
	Door Pocket	•	•
	LED Light	•	•
Vegetable Compartment	Separate Vegetable Compartment	•	•
Freezer Compartment	Ice Tray / Ice Maker	Automatic	Automatic
	Quick Freezing	•	•
	Drawers	4	4
	Slide Tray	2	2
Selectable Zone	Drawers	2	2
	Slide Tray	1	1
General Features	Inverter Control	•	•
	Electronic Control	•	•
	VIP (Vacuum Insulation Panel)	•	-
	Eco Thermo Sensor	•	•
	Touch Screen Controller	•	-
	Dual Fan Cooling	•	•
	Dual Sensing Control	•	•
	Door Alarm	•	•
	LED Control Panel	-	•
	Energy Saving Mode	•	•
	Triple Power Filter	•	•
	Common Features	CFC Free	•
HFC Free		•	•
Refrigerant		R-600a	R-600a
No Frost		•	•
Mouldproof Door Gasket		•	•
Power Supply (V, Hz)	220-240, 50/60	220-240, 50/60	
Plug	BS 3PIN	BS 3PIN	
Dimension (mm)	Width	900	900
	Height	1,840	1,840
	Depth (Without Handle)	720	720
Colour		Glass Black (GBK) Glass Silver (GS) Glass Mauve Gray (GMG)	Glass Clear Black (GCK)

*1 Based on IEC 62552-3:2015 Standard Volume

SPECIFICATIONS

		4 Door
		Slim
Model		HR4N7522DS1DXSG
		
Net Capacity (L ^{*1})	Total	466
	Freezer	175
	Refrigerator (including Selectable Zone)	291
	Selectable Zone	18
Refrigerator Compartment	Selectable Zone (5°C ~ -3°C)	•
	Metal Backwall	•
	Tempered Glass Shelves	•
	LED Light	•
Freezer Compartment	Modular Twist Ice Tray	•
	Quick Freezing	•
	LED Light	•
General Features	Inverter Compressor	•
	VIP (Vacuum Insulation Panel)	•
	Surround Air Cooling	•
	Touch Screen Controller	•
	Eco Thermo Sensor	•
	Dual Sensing Control	•
	Energy Saving Mode	•
Holiday Mode	•	
Common Features	CFC Free	•
	HFC Free	•
	Refrigerant	R-600a
	No Frost	•
Power Supply (V, Hz)		220-240, 50/60
Plug		BS 3PIN
Dimension (mm)	Width	795
	Height	1,800
	Depth (Without Handle)	735
Colour		Dark Inox (DX)

*1 Based on IEC 62552-3:2015 Standard Volume