

Washing Machine

HITACHI
Inspire the Next



Auto Self Clean

Eco-technologies ensure energy-saving and eliminate harmful materials while new high-performance features enhance everyday life!

It's Advanced. Get Japanese Technology.

Powered Inverter Ultra-Stream Wash

A new kind of washing machine based on the concept of washing with the power of water. The new technology of Ultra-Stream Wash circulates twice the amount of water previously possible for powerful washing. The result is surprisingly clean results as well as water saving.



Ultra-Stream Wash



Simple display,
mistake-free!

Fine Water Control High Functionality for Everyone

Hitachi's original glass top design lets you see inside the washing machine and control it even when it's operating. Better still, only the buttons you can use during washing are located outside, making it easy to enjoy mistake-free operation. Anyone can soon learn how to take advantage of this new washing machine's high-performance features.



Water Power

Simply pressing the Water Power button lets you change water flow from Powerful (2) to Soft (-2) in five steps. Choose Powerful for hard, thick items, and Soft for soft, delicate items.



Shower Plus

You can add water as desired during a wash while looking through the glass to check. Simply press the Shower Plus button once, and the water level increases by one. To stop the water at a desired level, just press the Shower Plus button once more.



Fine Adjustment Settings

Just press the up/down buttons until the water level, wash time, number of rinses and spin time settings are as desired.



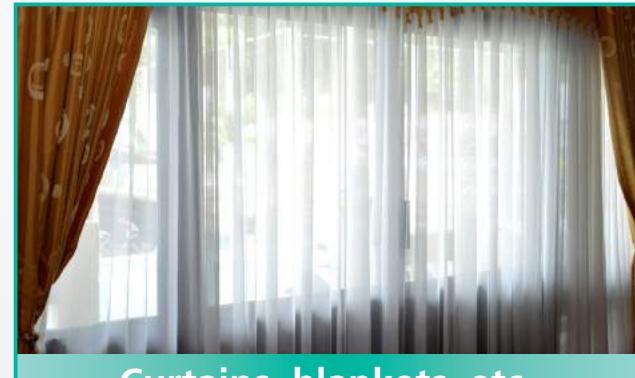
Large Capacity for Washing Large Items and Large Loads



Large Capacity 24kg

The capacity to handle loads of up to 24kg means you can easily wash large, thick items you couldn't wash at home before such as curtains and sofa covers. And because you can wash about 120 shirts at once, for example, you won't have to do the laundry so often, even if your family has a lot that needs washing. The tub's also 616mm wide, so it's easy to put in and take out items.

Large items



Curtains, blankets, etc.

*Max. load depends on items.

Large loads

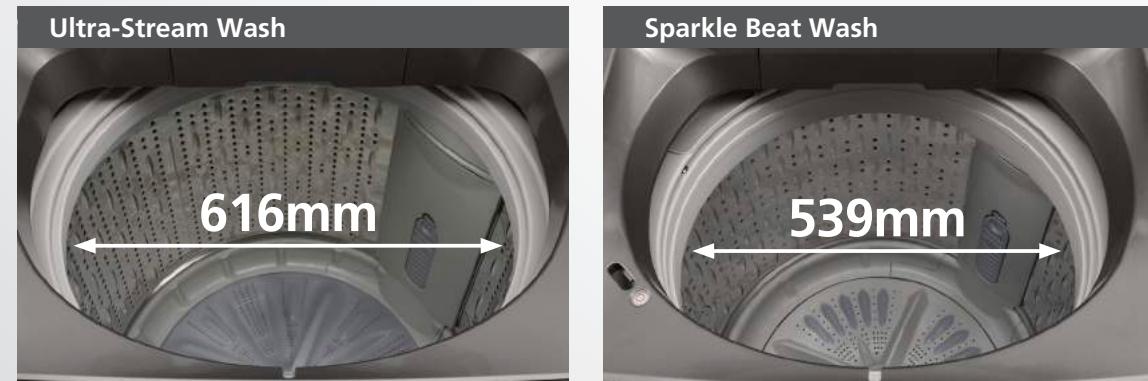


120 shirts*

*Assuming one shirt weighs about 200g

Large, Sleek Design

The large, sleek design makes it easy to load and take out large items. This also applies to 13-16kg models (Sparkle Beat Wash series).



Savings This Big!

The new SF-240XWV model can wash loads of up to 24kg at once. It is far more energy, water, and time saving compared to washing two 12kg loads with a conventional 12kg model.

*Comparison of washing two 12kg loads in the 12kg capacity SF-120SV and a single 24kg load in the 24kg capacity SF-240XWV.

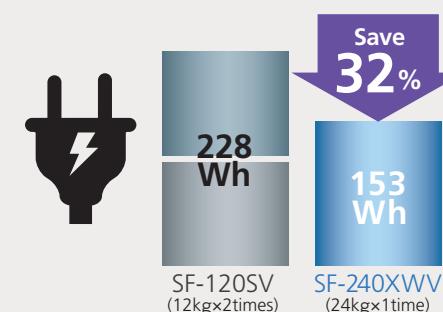
SF-120SV: 12kg×2times
*Inverter model 2013



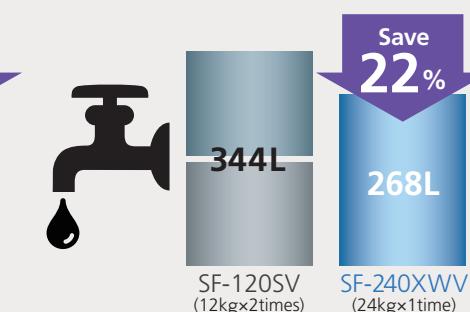
SF-240XWV: 24kg×1time
*New model



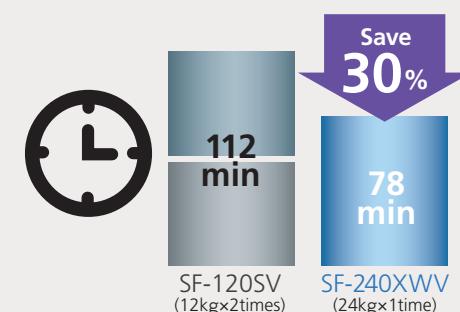
Electricity



Water



Time





Auto Self Clean—The Tub Stain Fighter



Don't remove dirt, stop it from building up – every time you do your laundry, the washing machine automatically cleans itself!

These places easily get dirty!

In a washing machine, dirt doesn't easily accumulate where water collects or where it hits during spin-drying. In places that aren't touched by water, however, dirt gradually accumulates with daily use.



Dirt on the outside of the stainless steel tub

Dirt on the inside of the outer tub

Dirt on the bottom of the stainless steel tub

*Hitachi washer-dryer (made in Japan). The level of dirt differs depending on conditions of use.

Tub Clean Program for Attached Dirt

Auto Self Clean cannot remove accumulated dirt. Using special detergent, the Tub Clean program thoroughly removes attached dirt. (Program time: Approx. 3 hours to 11 hours depending on the model) Regularly using this program together with Auto Self Clean keeps the tub clean.



Tub Dry Program to Keep the Tub Dry

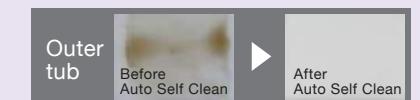
The Tub Dry program blows off water and moisture remaining in the stainless steel tub with high-speed spinning. This keeps the tub dry to suppress the growth of mold.

99% Mold & Bacteria Reduction

* Tested by Kitasato Research Center for Environmental Science

* Test methods: Measurement of the rate of decrease of bacteria on plates attached to the outer tub and the stainless steel tub when using the Auto Self Clean function. Measurement of the rate of decrease of mold spores on culture plates attached to the outer tub and the stainless steel tub when using the Auto Self Clean function.

Photos of a mold elimination test with mold that has been growing for a week



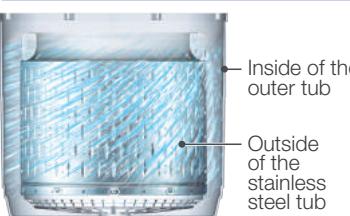
Outer tub Before Auto Self Clean After Auto Self Clean

* Tested by Kitasato Research Center for Environmental Science
* Mold cultured for one week that was removed by Auto Self Clean was cultured for one more week to confirm the inhibiting effect.

Effective removal of mold and bacteria endorsed by Allergy UK



A shower of clean water cleans both the tubs as the stainless steel tub rotates at high speed.



*The setting is switched off at the time of shipment from the factory. Once switched on, Auto Self Clean operates every time you do your laundry.

The blades and tub rotate to powerfully agitate water in the stainless steel tub and clean off dirt.



Powered Inverter

Smart Control for Energy Saving

Thanks to inverter control, tub and pulsator rotation speed can be precisely adjusted for optimum energy-saving operation when washing both small and large loads.

SF-160KJS (Non-Inverter)



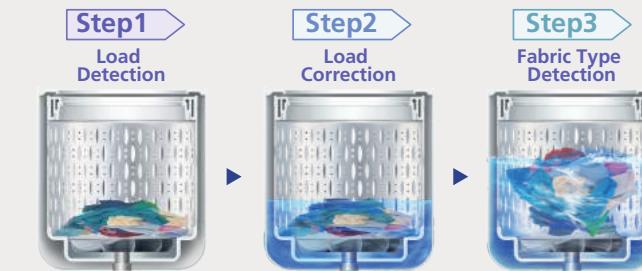
vs
Electricity
36%
Saving

SF-240XVV



3-Step Eco Sensor

Laundry amount and fabric type are detected in three steps to enable setting of the optimum washing conditions. In Step 1, the ideal amount of water and wash time for the load are decided, and even if wet clothes are mixed with dry clothes and the load is incorrectly detected, corrections are made in Step 2. Fabric type is detected and water flow and wash time are adjusted to match the load in Step 3. The result is precise sensing to assure there's no wasted time, electricity or water.



*When using the Fuzzy program for a 16kg load

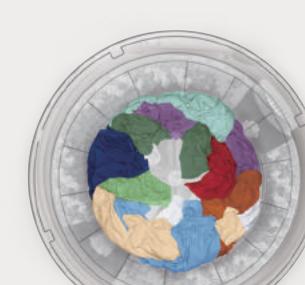
○Images are for illustrative purposes only.

Tangle-Free Finish

When the spin cycle ends, the pulsator repeatedly moves clockwise and counterclockwise, first making items fall off the tub wall and then untangling them. This unique Hitachi feature makes it much easier to take clothes out of the tub. And minimal tangling means fewer wrinkles on clothes left in the tub for a long time after spin-drying.



When the spin cycle ends, clothes remain pressed against the tub and are difficult to take out.



The pulsator repeatedly moves clockwise and counterclockwise to make items fall off the tub wall.



Clothes are untangled and easy to take out.

Extra Convenience

Innovative, ergonomic design enabling easier operation and maintenance.

Glass Top Design

The tempered glass top is totally flat, making it easy to clean off water, detergent and dirt with a quick wipe.



Removable, Washable, All-in-One Detergent Drawer

Powdered detergent, liquid detergent, bleach and softener can all be put in this single drawer. Liquid detergent was previously put in separately but now you can put it in this drawer without the worry of sticky dirt. What's more, you can easily take the drawer out and wash it with water, so it's always clean.



Liquid detergent and dirt easily accumulate in the hollow of the conventional models.

Sensor Lock Safety System

To prevent you touching the tub when it's spinning at high speed, the safety system features a sensor that detects whether the lid is open or closed, and a lid lock.



Other Convenient Features



Delay Timer

You can set your wash to finish from 3 to 12 hours later as desired.



Auto Power Off

When the washing machine finishes operating, power is automatically switched off.



12-Level Water Selector

Water level is automatically selected to match your wash load. You can also manually select a desired level.



Antibacterial Lint Filter

The easily dirtied lint filter features an antibacterial agent.



Auto Restart

If there's a power outage part way through a wash, when power returns, press the Power button and then the Start button, and the cycle at the time of the outage automatically restarts.



Level Indicator

This feature makes it easy to install the washing machine on a horizontal level.

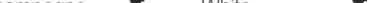
SF-240XWV 24kg



Silver



Champagne



White

SF-200XWV 20kg



Silver



Champagne



White

SF-180XWV 18kg



Silver



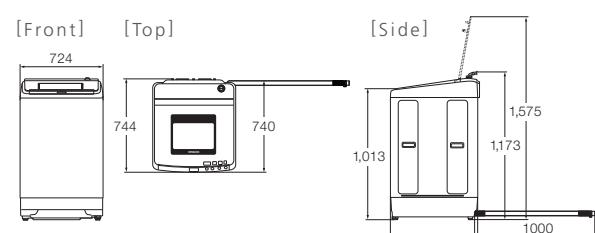
White

Features

- Auto Self Clean
- Shower Plus
- 3-Step Eco Sensor
- Memory Option
- Smart Wash Program
- Tangle-Free Finish
- Water Power Control
- Auto Restart
- Power Off
- 11 Washing Programs
- Delay Timer

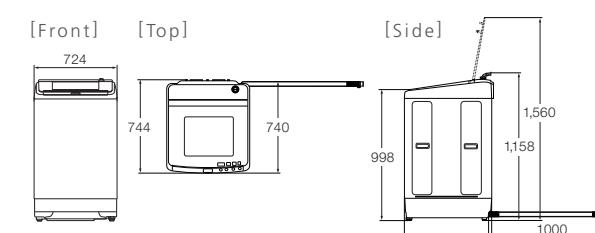
Dimensions (mm)

24kg



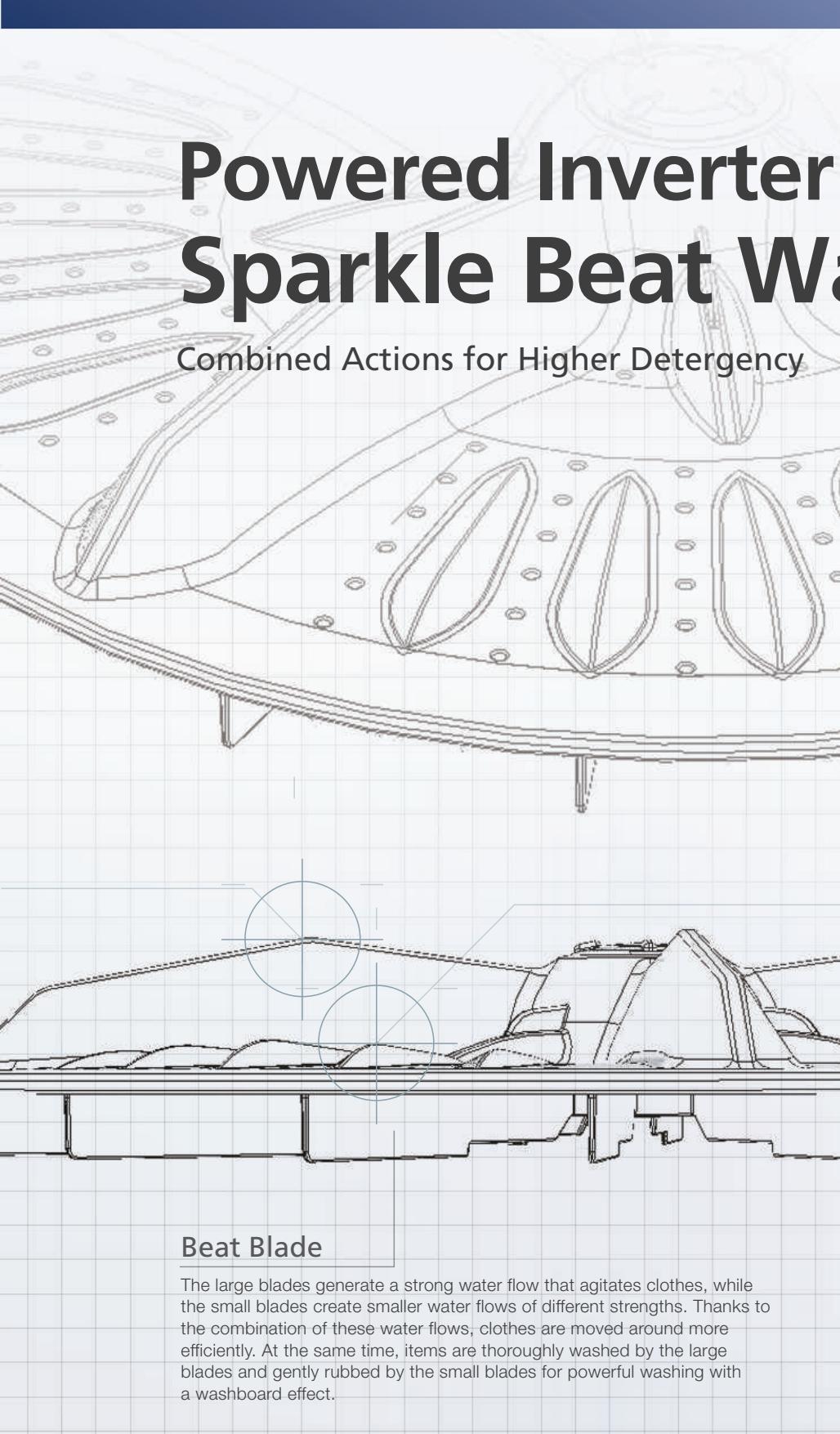
Dimensions (mm)

20kg / 18kg



Powered Inverter Sparkle Beat Wash

Combined Actions for Higher Detergency



Beat Drum

The drum wall features 186 slender projections with a streamlined shape that cause water flow generated by Beat Blade to move upwards smoothly. By moving clothes up and down, this vertical water flow assures thorough, even washing of all the items in the drum. And when clothes move in the direction of rotation, the projections provide a washboard effect that efficiently removes stubborn dirt.

The shape and layout of both the projections and holes also contribute to more efficient water removal during high-speed spin-drying.



Sparkle Beat Shower

Thanks to the blades on the bottom of the Beat Blade, water is pushed upwards. With powerful showers from two outlets in the tub, the Beat Blade circulates water and agitates clothes to prevent tangling and assure thorough washing and rinsing.

Beat Blade

The large blades generate a strong water flow that agitates clothes, while the small blades create smaller water flows of different strengths. Thanks to the combination of these water flows, clothes are moved around more efficiently. At the same time, items are thoroughly washed by the large blades and gently rubbed by the small blades for powerful washing with a washboard effect.

4-Step Wash

This washing method maximizes cleaning power by making highly concentrated detergent liquid that penetrates deep into fabrics to wash away dirt and stains. Thanks to this effective washing, detergency is made even higher.



- 1.The lowest level of water is used to dissolve the detergent.
- 2.A higher level of water enables the condensed detergent solution to penetrate deep into the fibers of clothes.
- 3.The third level of water assures that the detergent comes into complete contact with the surface of clothes.
- 4.Washing with the normal level of water eliminates stubborn dirt made easier to remove by the previous three steps.

SF-160XWV 16kg



Features

- Auto Self Clean
- Shower Plus
- 3-Step Eco Sensor
- Memory Option
- Smart Wash Program
- Tangle-Free Finish
- Water Power Control
- 11 Washing Programs
- Delay Timer
- Auto Restart
- Auto Power Off

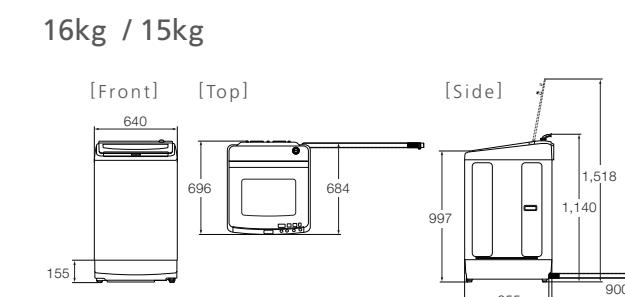
SF-150XWV 15kg



Features

- Auto Self Clean
- Shower Plus
- 3-Step Eco Sensor
- Memory Option
- Smart Wash Program
- Tangle-Free Finish
- Water Power Control
- 11 Washing Programs
- Delay Timer
- Auto Restart
- Auto Power Off

Dimensions (mm)



SF-140XWV 14kg



Features

- Auto Self Clean
- Shower Plus
- 3-Step Eco Sensor
- Memory Option
- Smart Wash Program
- Tangle-Free Finish
- Water Power Control
- 11 Washing Programs
- Delay Timer
- Auto Restart
- Auto Power Off

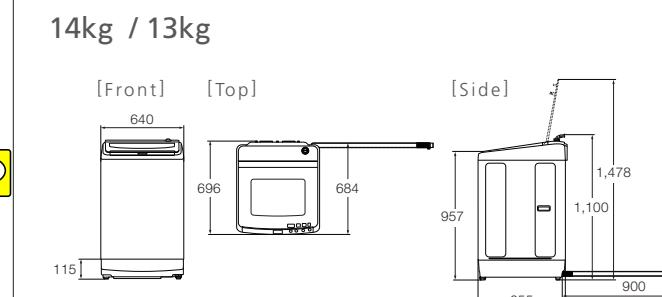
SF-130XWV 13kg



Features

- Auto Self Clean
- Shower Plus
- 3-Step Eco Sensor
- Memory Option
- Smart Wash Program
- Tangle-Free Finish
- Water Power Control
- 11 Washing Programs
- Delay Timer
- Auto Restart
- Auto Power Off

Dimensions (mm)



Beat Wave Wash



**AUTO
SELF
CLEAN**

Auto Self Clean – The Tub Stain Fighter

Beat Wave Wash



4-Step Wash

Add detergent powder, and the blades on the bottom of the Active Beat Lifter create a concentrated detergent liquid that penetrates deep into fabrics to remove stubborn, greasy stains. The Active Beat Lifter and Beat Shower then provide a powerful water flow to further assure thorough washing. Because of this deep, powerful, penetrating wash, yellowing is suppressed for whiter whites every time.



Put detergent into the tray



The lowest level of water is used to dissolve the detergent.



A higher level of water enables the condensed detergent solution to penetrate deep into the fibers of clothes.



The third level of water assures that the detergent comes into complete contact with the surface of clothes.



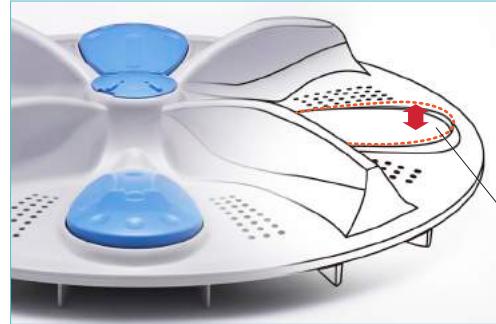
Washing with the normal level of water eliminates stubborn dirt made easier to remove by the previous three steps.

Integrated Detergent and Softener Tray

The tray for detergent and softener is located in a drawer at the rear of the unit. There's only one tray so it's even easier to start doing your washing.

Active Beat Lifter

Water and clothes are powerfully agitated while the unique Active Beat Lifter pushes clothes up and down to wash them more thoroughly than ever. And the powerful up-and-down water flow agitates fabrics well to further provide thorough washing and rinsing while minimizing tangling.



Beat Shower

Thanks to the fins on the bottom of the Active Beat Lifter, water is pushed upwards. With powerful showers from two outlets in the drum, the Active Beat Lifter circulates water and agitates clothes to prevent tangling and assure thorough washing and rinsing.

Eco Programs

Simply press the program button to select one of the three Eco programs that matches what you want to wash.

Water Save

Offering exceptional water-saving performance, the Water Save program is ideal when you want to quickly wash lightly soiled items. It saves 42%¹ more water than the Fuzzy program.

¹*1 Comparison : Fuzzy program and Water Save program (SF-95SS). Tested by Hitachi.

Energy Save

Repeated brief agitation and brief soaking boosts detergent cleaning power while reducing the mechanical force required. So with the Energy Save program, dirt is thoroughly removed using 37%² less energy than the Fuzzy program.

²*2 Comparison : Fuzzy program and Energy Save program (SF-95SS). Tested by Hitachi.

Small Load

Washing small loads with this program uses 31%³ less water than the minimum amount used for the Fuzzy program. It's ideal for giving underwear and other small items a quick wash. And you use less detergent, so it's economical.

³*3 Comparison : Lowest water level of the Fuzzy program and the water level of the Small Load program (SF-105SS). Tested by Hitachi.



Intelligent Spin

Just like a front-loading type, spin-dry speed can be changed in this washing machine. Select a course, and a spin time and spin speed of 400, 600 or 800r/min are set depending on the items being washed. You can also change the spin time and speed as desired to match different types of fabrics.

SF-105SS 10.5kg
SF-95SS 9.5kg



SF-105S 10.5kg
SF-95S 9.5kg



Features

- Auto Self Clean
- 4-Step Wash
- Active Beat Lifter
- Beat Shower
- Intelligent Spin
- Tangle-Free Finish
- Air Jet Dry
- Eco Programs
- Anti-bacterial Lint Filter
- Standby Power Zero W
- Auto Power Off
- Auto Restart

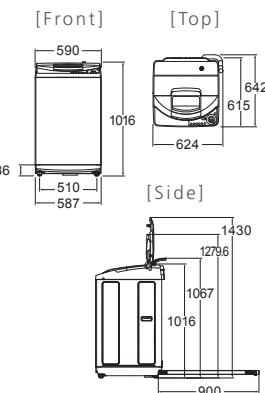


Features

- Auto Self Clean
- 4-Step Wash
- Active Beat Lifter
- Beat Shower
- Intelligent Spin
- Tangle-Free Finish
- Air Jet Dry
- Eco Programs
- Anti-bacterial Lint Filter
- Auto Power Off
- Auto Restart

Dimensions (mm)

10.5kg / 9.5kg



SF-85PJS 8.5kg



SF-90P 9kg
SF-80P 8kg



Features

- Active Beat Lifter
- 4-Step Wash
- Intelligent Spin
- Tangle-Free Finish
- Eco Button
- Delicate Fabric Care
- Safety Child Lock
- Auto Power Off
- Auto Restart
- Standby Auto Zero W

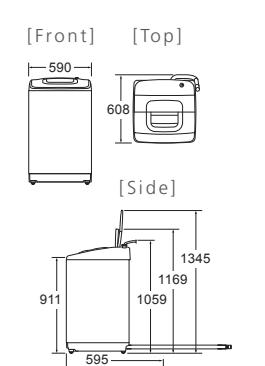


Features

- Beat Shower
- Active Beat Lifter
- 4-Step Wash
- Tangle-Free Finish
- Eco Button
- Anti-bacterial Lint Filter
- Safety Child Lock
- Auto Power Off
- Auto Restart

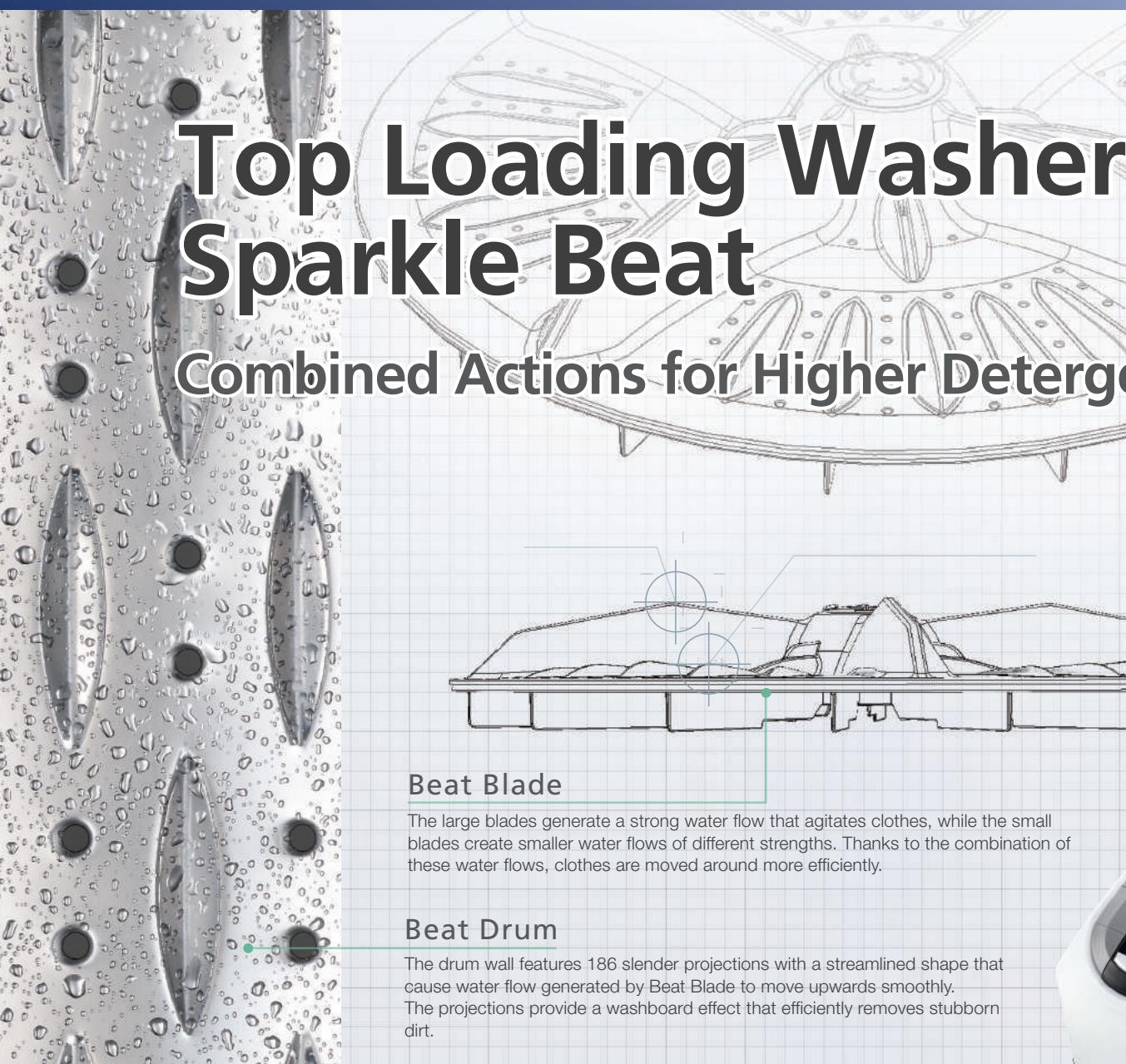
Dimensions (mm)

9kg / 8.5kg / 8kg



Top Loading Washer Sparkle Beat

Combined Actions for Higher Detergency



Beat Blade

The large blades generate a strong water flow that agitates clothes, while the small blades create smaller water flows of different strengths. Thanks to the combination of these water flows, clothes are moved around more efficiently.

Beat Drum

The drum wall features 186 slender projections with a streamlined shape that cause water flow generated by Beat Blade to move upwards smoothly. The projections provide a washboard effect that efficiently removes stubborn dirt.



Beat Shower

Thanks to the blades on the bottom of the Beat Blade, water is pushed upwards. With powerful showers from two outlets in the drum, the Beat Blade circulates water and agitates clothes to prevent tangling and assure thorough washing and rinsing.



4-Step Wash

This washing method maximizes cleaning power by making highly concentrated detergent liquid that penetrates deep into fabrics to wash away dirt and stains. Thanks to this effective washing, detergency is made even higher.

Step1.The lowest level of water is used to dissolve the detergent under the pulsator.
Step2.A higher level of water enables the condensed detergent solution to penetrate deep into the fibers of clothes.
Step3.The third level of water assures that the detergent comes into complete contact with the surface of clothes.
Step4.Washing with the normal level of water eliminates stubborn dirt made easier to remove by the previous three steps.



Intelligent Spin – for Optimum Spin-Drying of Any Type of Fabric

Variable Spin Control

Just like a front-loading type, spin-dry speed can be changed in this washing machine.

Tangle-Free Finish

This unique Hitachi feature makes it much easier to take clothes out of the drum. And minimal tangling means fewer wrinkles on clothes left in the drum for a long time after spin-drying.



Water Save Program

There's also a program offering even higher water-saving performance. Using the Water Save program when you want to quickly wash lightly soiled items saves 40% more water than the Fuzzy program! The Water Save program was given the highest water-saving grade of 3-Ticks by the Water Efficiency Labeling Scheme (WELS) in Singapore.

Fuzzy	15.0L/kg
Water Save	8.8L/kg

* Tested by Hitachi (SF-130SS).



Eco Button for Selecting Two Eco Modes



Energy Save Mode

Repeated brief agitation and brief soaking boosts detergent cleaning power while reducing the mechanical force required. So in the Energy Save Mode of the Fuzzy course, dirt is thoroughly removed with less energy.

26% Energy Saving^{*1}

*1 Comparison : Fuzzy program's Normal and Energy Save modes (SF-110SS). Tested by Hitachi.

Small Load Mode

Washing small loads in this mode uses less water than the minimum amount used for the normal mode. It's ideal for giving underwear and other small items a quick wash. And you use less detergent, so it's economical.

29% Water Saving^{*2}

*2 Comparison : Lowest water level of the Fuzzy program's normal mode and the water level of the Small Load mode (SF-110SS). Tested by Hitachi.

SF-110SS 11kg



Features

- Beat Drum
- Beat Blade
- Beat Shower
- 4-Step Wash
- Intelligent Spin
- Tangle-Free Finish
- Eco Button
- Air Jet Dry
- Anti-bacterial Lint Filter
- Safety Child Lock
- Auto Power Off
- Auto Restart
- Standby Auto Zero W

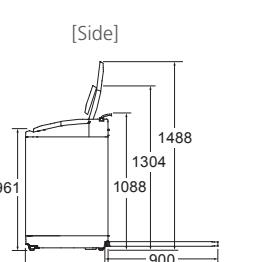
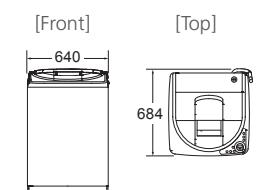
SF-110S 11kg



Features

- Beat Drum
- Beat Blade
- Beat Shower
- 4-Step Wash
- Tangle-Free Finish
- Eco Button
- Air Jet Dry
- Anti-bacterial Lint Filter
- Safety Child Lock
- Auto Power Off
- Auto Restart

Dimensions (mm)



Auto Self Clean Inverter



Auto Self Clean – The Tub Stain Fighter

Please refer to
p.7-8 for details.



Inverter Control

A High-Performance and Quiet Inverter Motor

Hitachi's Inverter Motor provides a higher torque for a high-efficiency operation that provide the most suitable operation for more efficient washing. Besides it helps to save a significant amount of water and energy and it is extremely quiet.



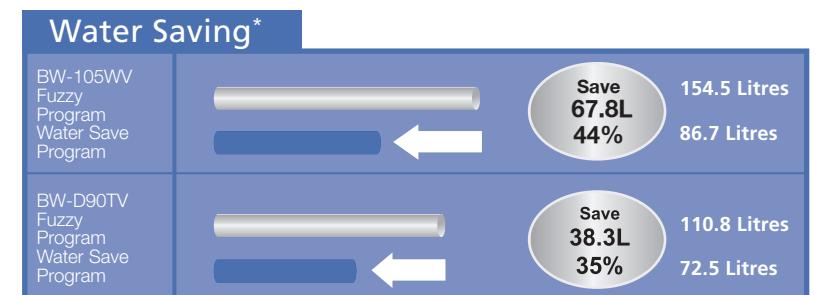
Ultra-Stream Wash

A new kind of washing machine based on the concept of washing with the power of water. The new technology of Ultra-Stream Wash circulates twice the amount of water previously possible for powerful washing. The result is surprisingly clean results as well as water saving.

Please refer to
p.1-2 for details.

Water Save Program

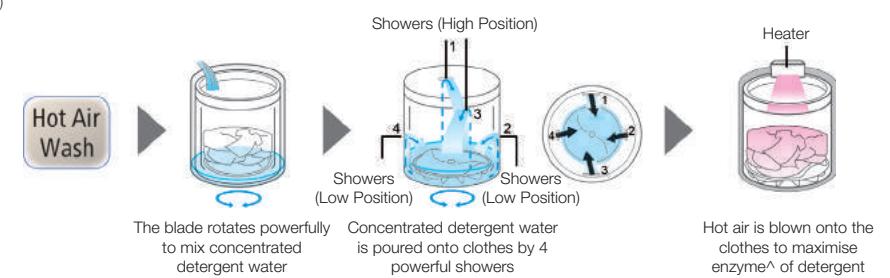
Hitachi's Water Save Program has been awarded a 3-ticks in Water Efficiency label in the Singapore Water Efficiency Labelling Scheme. With the Water Save Program, you can save approximately 57.5 litres of water per laundry washed which this amount is equivalent to 28 bottles of water.



*Comparison between Fuzzy Program and Water Save Program based on models BW-105WV and BW-D90TV.

Hot Air Wash (BW-D90TV)

When Hot Air Wash is activated, the powerful rotation of the drum blade mixed the detergent with water. This concentrated water mixture is then poured onto the clothes by 4-powerful showers from different positions in the drum. In the process, hot air is blown onto the clothes to revitalise enzyme power in the detergent to removing stubborn dirt.



^ Enzyme resolves 'protease', 'lipase', 'amylase' and 'cellulase', which are presents in dirt and on the clothes.

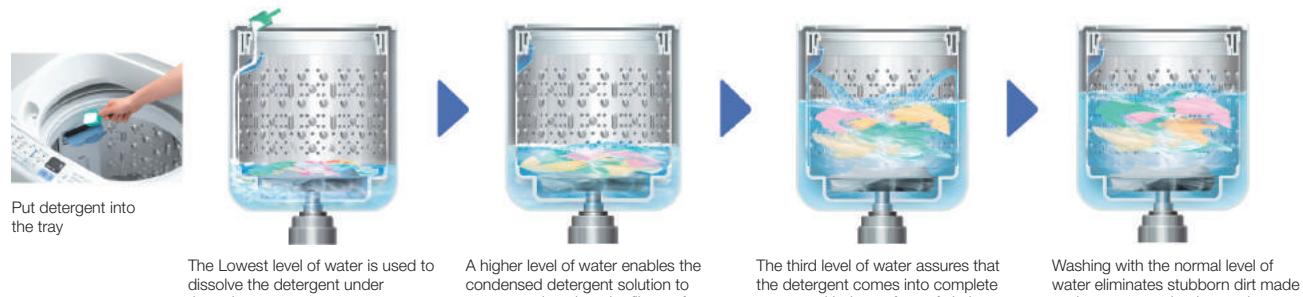
Hot Wind Spin-Dry (BW-D90TV)

During spin step, hot air is blown onto the clothes for a soft and warm finish and clothes can be hung and dried in shorter time.



4 Step Wash

Add detergent powder, and the blades on the bottom of the Active Beat Lifter create a concentrated detergent liquid that penetrates deep into fabrics to remove stubborn, greasy stains. The Active Beat Lifter and Beat Shower then provide a powerful water flow to further assure thorough washing. Because of this deep, powerful, penetrating wash, yellowing is suppressed for a whiter whites every time.



Variable Spin Control (BW-D90TV)

Just like any front-loading washing machine, the spin-dry speed can be changed. Select a course, set the spin time and spin speed of 400, 600 or 800r/min depending on the items being washed. You can also change the spin time and speed as desired to match different types of fabric.



Tangle-Free Finish

When the spin cycle ends, the pulsator repeatedly moves clockwise and anti-clockwise, first making items fall off the drum wall and then untangling them. This unique Hitachi feature makes it much easier to take clothes out of the drum. And minimal tangling means fewer wrinkles on clothes left in the drum for a long time after spin-drying.



When the spin cycle ends, clothes remain pressed against the drum and are difficult to take out
The pulsator repeatedly moves clockwise and counter-clockwise to make items fall off the drum wall
Clothes are untangled and easy to take out

^ Enzyme resolves 'protease', 'lipase', 'amylase' and 'cellulase', which are present in dirt and on the clothes.

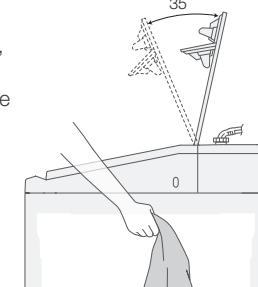
Memory Program (BW-D90TV)

You can set and customised your preferred program in the "Memory" setting and you can recall for your next washing. There are 5-settings you can program namely, Water Level, Washing Time, Number of Rinse, Spin Time and Hot Wind Spin-Dry.



Glass Top Design (BW-105WV)

The tempered glass top is totally flat, making it easy to clean off water, detergent and dirt with a quick wipe.



Safety Open-Lid Mechanism (BW-105WV)

Featuring Hitachi's new safety open-lid, the lid stops between a 35° space when it is fully opened. Now you can remove items from the washing machine without getting your fingers caught.



AUTO SELF CLEAN

Auto Self Clean



Prevents build-up of dirt and mold inside washing machine.



Dual Vibration Control System



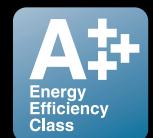
The 4-Ply Liquid Load Balancer and Hydraulic Suspension combine to provide exceptionally quiet operation.

Smart Saver

World Top Class Energy Savings,
Water Savings with Quick Washing.

Energy Savings

With Hitachi's Smart Drive Inverter, the compact motor delivers high performance for smart energy saving. Energy consumption is 25% less than that required to qualify for the highest EU Energy Efficiency Class rating (A+++).



EU Best Energy Grade

0.110kWh/kg

Hitachi
BD-W90XWV

0.082kWh/kg

25%
Less

*All figures are based on EU Energy Label.

Water Savings

4.8 L/kg Water Consumption

Quick Washing

185 min per cycle

Intelligent Sensor Systems detect load size to determine the washing time and amount of water to use. Fabric type is then detected and both washing time and amount of water are reduced for outstanding washing performance.

Intelligent Sensor Systems



Load Sensor

Detects the size of the load, and determines the amount of water to use and the washing time for optimum energy saving operation.



Water Temperature Sensor

Constantly monitors water temperature to maintain the set temperature and prevent energy wasting overheating. The sensor also detects the temperature of the tap water to set the optimum washing time.



Foam Detection Sensor

Detects excessive foam generated when too much detergent is used.



3D Vibration Sensor

Detects drum rotation in three dimensions, determines the type of fabric being washed, and working with the Revolution Sensor, controls drum rotation speed to minimize vibrations.



Revolution Sensor

Constantly monitors drum rotation speed during washing and spin-drying, working with the 3D Vibration Sensor to maintain optimum rotation speed.



Water Level Sensor

Sets the optimum water level to match the load while constantly monitoring conditions to prevent water wastage.

9.0kg BD-W90XWV / 8.0kg BD-W80XWV



1400r/min

9.0kg BD-W90WV 8.0kg BD-W80WV



1200r/min



Auto Self Clean – The Tub Stain Fighter

Don't remove dirt, stop it from building up – every time you do your laundry, the washing machine automatically cleans itself!



These places easily get dirty!

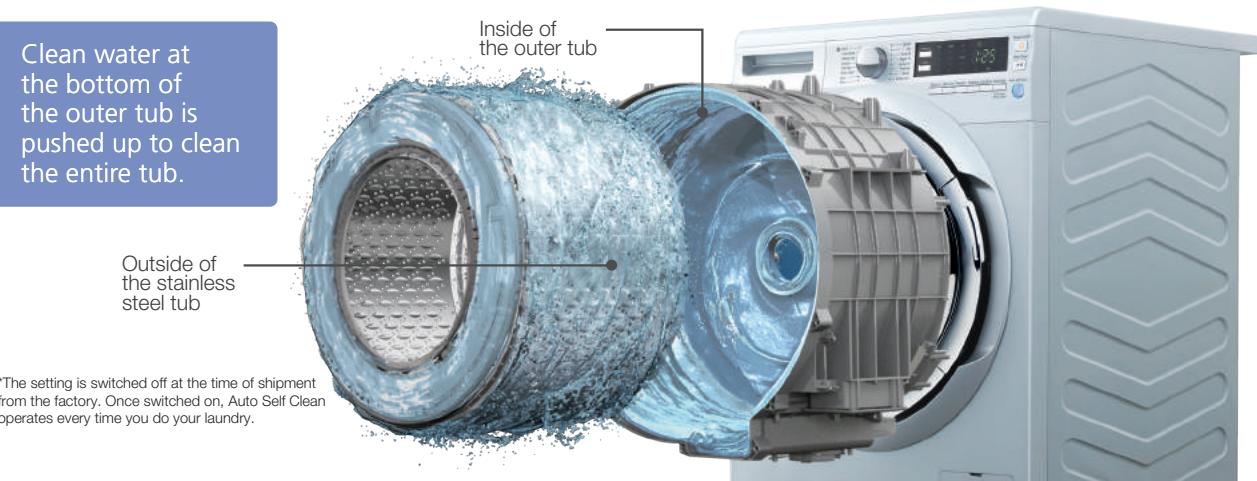
In a washing machine, dirt doesn't easily accumulate where water collects or where it hits during spin-drying. In places that aren't touched by water, however, dirt gradually accumulates with daily use.



*Hitachi washer-dryer (made in Japan). The level of dirt differs depending on conditions of use.

99% Mold & Bacteria Reduction

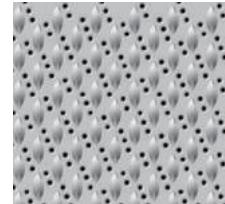
* Tested by Kitasato Research Center for Environmental Science * Test methods: Measurement of the rate of decrease of bacteria on plates attached to the outer tub and the stainless steel tub when using the Auto Self Clean function. Measurement of the rate of decrease of mold spores on culture plates attached to the outer tub and the stainless steel tub when using the Auto Self Clean function.



Clean Design

Holes for a Cleaner Tub

Inner drum holes are precisely arranged so that water passing through them always uniformly sprays the entire surface of the outer drum to keep it free of dirt and detergent residue. As a result, the outer drum is cleaned every time you spin-dry.



Antibacterial & Antimold* Shower Lifter and Gasket

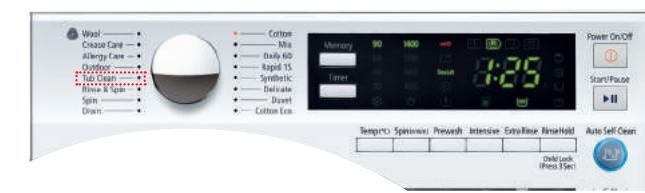
The lifter that pushes clothes up and the gasket, where water and dirt accumulate and mold easily grows, incorporate antimicrobial materials.



*Tested by BOKEN.

Tub Clean Program for Attached Dirt

Auto Self Clean cannot remove accumulated dirt. Using special detergent, the Tub Clean program thoroughly removes attached dirt. (Program time: Approx. 3hours) Regularly using this program together with Auto Self Clean keeps the tub clean.



Images are for illustrative purposes only.

Big Drum 510 Thoroughly washes big 9.0 / 8.0kg loads

Powerful Beat Washing

The bigger the diameter of a front loading washer drum, the more effectively dirt in fibers is removed. With Hitachi's Big Drum 510 front loading washer, clothes are lifted up to the top of the large 510mm diameter drum and dropped down to provide a powerful beat washing effect. The beading pattern on the drum also provides a washboard effect to thoroughly clean clothes.



3D Sensor Control Wash

The 3D Vibration Sensor, Load Sensor and Revolution Sensor work together to detect the fabric type and wash load, and control drum rotation speed to maximize the beat washing effect. The Load Sensor also controls the amount of water used to match the load size.



Cold to 90°C Wash

You can set the water temperature to match the items being washed and the degree of soiling. Washing in water as hot as 90°C lets you enjoy extra clean laundry.

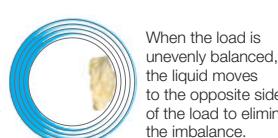
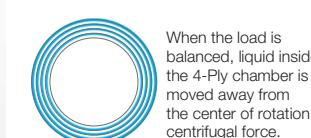


Dual Vibration Control System

Thanks to innovative anti-vibration technologies developed in Japan, Hitachi's unique, quiet, anti-shake washing machines transmit hardly any vibrations. The 4-Ply Liquid Load Balancer and Hydraulic Suspension combine to provide exceptionally quiet operation from start to finish.

4-Ply Liquid Load Balancer

If the items in the drum become unevenly balanced, liquid inside the 4-Ply chamber moves to the opposite side of the load to offset the imbalance. Making the drum better balanced in this way dramatically reduces vibrations.



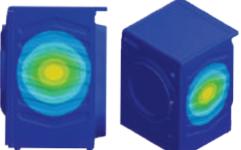
High-Damping Hydraulic Suspension

Two oil pressure suspensions, just like the system used in automobiles, support the drum and flexibly change the degree of damping to match the amplitude of vibrations to dramatically reduce them. At the start of spin-drying when vibrations are large, thorough damping assures firm support for the drum. When the drum is spinning fast and vibrations are small, soft damping prevents the transmission of vibrations and provides gentle support for smooth operation. Support from two suspensions also minimizes transmission of vibrations to the washing machine casing.



3D Vibration Sensor and Revolution Sensor

The 3D Vibration Sensor detects drum vibrations in three dimensions. At the same time, the Revolution Sensor constantly monitors drum rotation speed and controls it based on information provided by the 3D Vibration Sensor.



Anti-Vibration Sidewalls

Even the sidewalls are designed to reduce noise and vibrations.

Strength analysis of the casing enables a design ensuring minimal displacement.

SPECIFICATIONS

Top Loading Washer														
	Ultra-Stream Wash			Sparkle Beat Wash				Beat Wave Wash						
Model	SF-240XWV	SF-200XWV*	SF-180XWV	SF-160XWV*	SF-150XWV	SF-140XWV	SF-130XWV*	SF-10SS*	SF-9SS*	SF-10SS	SF-9SS	SF-85PJS*	SF-90P*	SF-80P*
Washing Capacity (kg)	24	20	18	16	15	14	13	10.5	9.5	10.5	9.5	8.5	9	8
Drying Capacity (kg)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Inverter Control	●	●	●	●	●	●	●	●	●	●	●	●	—	—
Max. Spin Speed (r/min)	700	700	700	800	800	800	800	—	—	—	—	—	600	600
Variable Spin Control	—	—	—	—	—	—	—	●(3 steps)	●(3 steps)	—	—	●(3 steps)	—	—
Auto Self Clean	●	●	●	●	●	●	●	●	●	●	●	—	—	—
Allergy UK Approval	●	●	●	●	●	●	●	●	●	●	●	—	—	—
Beat Drum	●	●	●	●	●	●	●	—	—	—	—	—	—	—
Ultra-Stream Wing	●	●	●	—	—	—	—	—	—	—	—	—	—	—
Beat Blade	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ultra-Stream Shower	●	●	●	—	—	—	—	—	—	—	—	—	—	—
Beat Shower	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Active Beat Lifter	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4-Step Wash	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tangle-Free Finish	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Water Power Control	●	●	●	●	●	●	●	—	—	—	—	—	—	—
Shower Plus	●	●	●	●	●	●	●	—	—	—	—	—	—	—
3-Step Eco Sensor	●	●	●	●	●	●	●	—	—	—	—	—	—	—
No. of Washing Programs	11	11	11	11	11	11	11	12	12	12	12	10	9	9
Memory Option (For Customized Washing)	●	●	—	●	●	—	—	—	—	—	—	—	—	—
Easy Up/Down Setting	●	●	●	●	●	●	●	—	—	—	—	—	—	—
Air Jet Dry (Spin Time)	—	—	—	—	—	—	—	●(15 / 25 / 45min)	—	—				
Display	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED	LED
Remaining Time Display	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Antibacterial Lint Filter	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Water Level Selector	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)	●(12 levels)
Selectable Soak	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)	●(0.5 / 1 / 3 / 5 hrs)
Delay Timer	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)	●(12-hrs)
Level Indicator	●	●	●	●	●	●	●	●	●	●	●	●	●	●
All-in-One Detergent Drawer	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Detergent / Softener Drawer	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Safety Lid Lock	●	●	●	●	●	●	●	—	—	—	—	—	—	—
Lid Sensor	●	●	●	●	●	●	●	—	—	—	—	—	—	—
Auto Power Off	●	●	●	●	●	●	●	—	—	—	—	—	—	—
Auto Restart	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lid Material	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass	Tempered Glass	Plastic						
Push Open Assisted Top	●	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy Fuzzy Program	153	144	134	118	115	112	109	209	189	209	189	179	179	170
Consumption (Wh / Cycle) (per kg)	6.4	7.2	7.4	8.0	8.4	8.0	8.4	19.9	19.9	19.9	19.9	21.1	19.9	21.3
Energy Save Program	112	94	83	82	81	80	80	131	119	131	119	106	112	100
Water Fuzzy Program	268	260	255	190	185	180	175	135	132	135	132	132	132	98
Consumption (L / Cycle) (per kg)	11.2	13.0	14.2	11.9	12.3	12.9	13.5	12.9	13.9	12.9	13.9	15.5	14.7	12.3
Water Save Program	167	148	132	128	124	120	116	77	76	77	76	74.3	78	61
Dimensions WxHxD (mm)*	724x1,173x744	724x1,158x744	724x1,158x744	640x1,140x696	640x1,140x696	640x1,100x696	640x1,100x696	590x1,067x642	590x1,067x642	590x1,067x642	590x1,067x642	590x1,059x608	590x1,059x608	590x1,059x608
Weight (Net / Gross, kg)	68 / 74	67 / 73	67 / 73	49 / 55	49 / 55	48 / 54	48 / 54	39 / 43	39 / 43	39 / 43	39 / 43	35 / 42	35 / 42	33 / 38
Color Body	Champagne / Silver / White	Champagne / Silver / White	Champagne / Silver / White	Silver / White	Champagne / Silver / White	Champagne / Silver / White	Silver / White	White	White	White	White	Cool Gray	Cool Gray	Cool Gray
Lid	Metallic Brown / Dark Metallic Gray / Light Champagne	Metallic Brown / Dark Metallic Gray / Light Champagne	Metallic Brown / Dark Metallic Gray / Light Champagne	Gray	Gray	Gray	Gray	Rose	Dark Emerald	Dark Emerald	Dark Emerald			

Top Loading Washer		
	Auto Self Clean Inverter	Triple Beat Shower
Model	BW-D90TV*	BW-105WV*
Washing Capacity (kg)	9	10.5
Drying Capacity (kg)	4.5	—
Inverter Control	●	●
Max. Spin Speed (r/min)	1,000	1,000
Variable Spin Control	●	—
Auto Self Clean	●	—
Allergy UK Approval	—	—
Beat Drum	—	—
Ultra-Stream Wing	—	—
Beat Blade	—	—
Ultra-Stream Shower	—	—
Beat Shower	—	—
Active Beat Lifter	—	—
4-Step Wash	●	●
Tangle-Free Finish	●	—
Water Power Control	—	—
Shower Plus	—	—
3-Step Eco Sensor	—	—
No. of Washing Programs	12	10
Memory Option (For Customized Washing)	—	—
Easy Up/Down Setting	—	—
Air Jet Dry (Spin Time)	—	●(30 / 60 / 120 / 180min)
Display	LED	LED
Remaining Time Display	●	●
Antibacterial Lint Filter	●	●
Water Level Selector	●(5 levels)	●(5 levels)
Selectable Soak	—	●(60 / 120 / 360min)
Delay Timer	●(12-hrs)	●(24-hrs)
Level Indicator	●	●
All-in-One Detergent Drawer	—	—
Detergent / Softener Drawer	—	—
Safety Lid Lock	●	●
Lid Sensor	●	●
Auto Power Off	●	●
Auto Restart	—	—
Lid Material		

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