

**Panasonic**



**TAKE CARE OF  
WHAT YOU LOVE**



PANASONIC LAUNDRY SPRING 2017

Tentative



# HAVE MORE TIME FOR LIFE

Opt for an efficient washing machine and Inverter dryer from Panasonic and you can be sure of gentle care for your best clothing. Innovative technologies are kind to your clothes, while at the same time save you valuable resources such as energy and water. They also give you more time for the truly important things in life: precious moments with family and friends.



INTRODUCTION

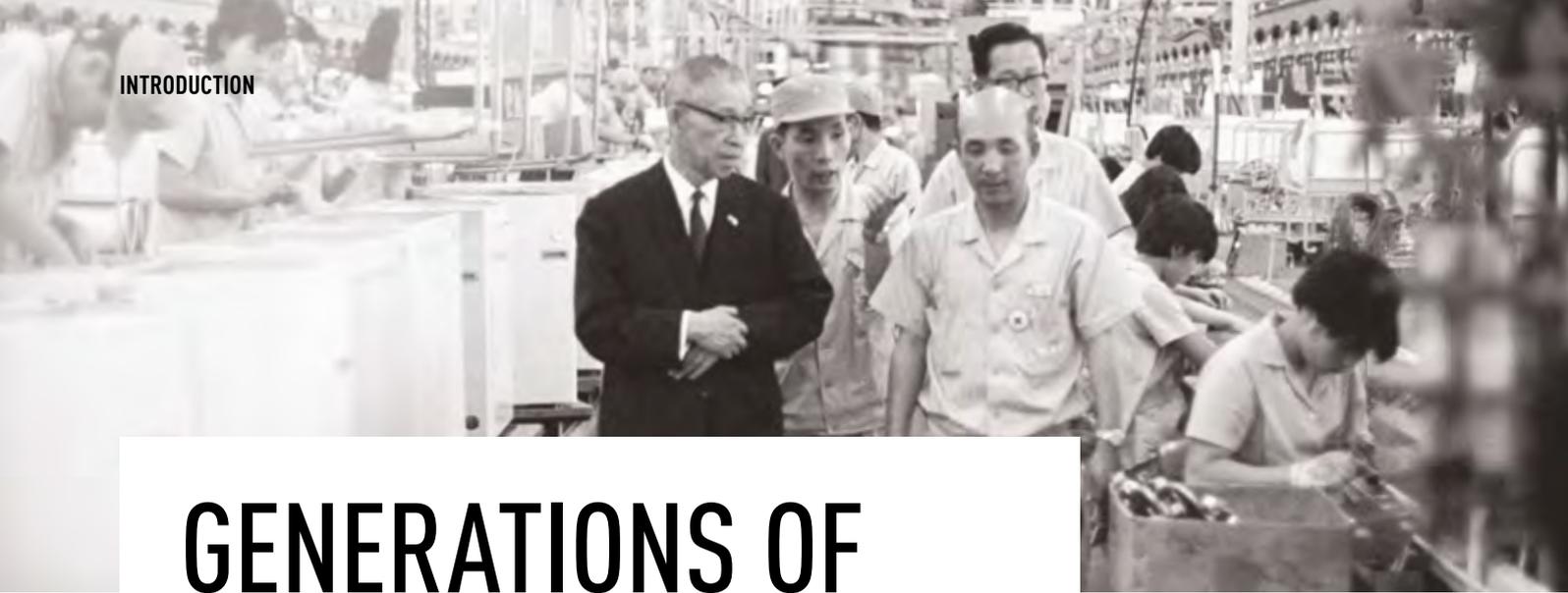
WASHERS

TUMBLE DRYER

TECHNICAL DATA

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# GENERATIONS OF LAUNDRY EXPERTISE

For over 60 years, Panasonic has been at the forefront of washing machine technology. While this technology has radically changed over time, the desire to innovate into the future has always remained a part of the Panasonic philosophy.



## PANASONIC INNOVATION OVER THE YEARS

From the first washing machine in 1951 to the latest energy-efficient AutoCare models of today, Panasonic has been providing innovative home appliances that give you more time for the more important things in life. The Japanese quest for quality, convenience and design can be seen in every cutting-edge Panasonic Washing Machine throughout the decades.

## QUALITY JAPANESE ENGINEERING FOR EUROPE



### HOW EVERYTHING STARTED

The first Panasonic Washing Machine was launched in 1951 under the brand name National. The appliance was the first cylindrical agitator electric washing machine with a 2kg load capacity.



### CONVENIENT LAUNDRY CARE

The Japanese dedication to pristine order is evident in the persistent devotion to convenient solutions from Panasonic for everyday laundry care. This pursuit has resulted in AutoCare, the washing programme that analyses the load and tailors the perfect settings at the touch of a button.



### A PAST THAT INSPIRES THE FUTURE

Today, with a rich heritage of innovation and cutting-edge technology, Panasonic has produced over 100 million washing machines globally. The quest to develop superior and environmentally efficient models continues with the aim to improve our lives.

# QUALITY AND RELIABILITY – LONG-TERM DURABILITY TEST

Panasonic thoroughly tests and verifies the effectiveness of its safety. Panasonic Washing Machines feature a solid construction to ensure high performance and reliability for years to come.



## DOOR OPEN-CLOSE DURABILITY TEST

To confirm that the latches and hinges do not become loose over many years of use, Panasonic conducts open-close durability tests for doors repeatedly and continuously over 20,000 times.



## TOUGHNESS TEST

The solid construction of the AutoCare series washing machine ensures that you enjoy high performance and reliability for years to come.



## TOP BOARD STRENGTH TEST

A full 600 newtons ( $60\text{kg} \cdot \text{m/s}^2$ ) of force is applied perpendicularly to the top board of the washing machine to confirm that high pressure does not cause unsightly or harmful dents or cracks.



## DOOR STRENGTH TEST

In this test, 300 newtons ( $30\text{kg} \cdot \text{m/s}^2$ ) of force is applied to the door from above with the door open. The latch is checked to ensure that it is not damaged and that no problems occur when you open and close it.



## BUTTON DURABILITY TEST

The touch panel, its buttons, performance and sensitivity, is put through an operational test 20,000 times both at different temperatures and humidities to verify that no malfunctions occur.



## SAFETY FOR LITTLE HANDS

The Child Lock function not only keeps the door firmly locked so it can't be opened while the machine is running – it also prevents children from accidentally changing programmes and settings.



# THE EFFICIENT WAY TO PERFECT WASHING RESULTS

Panasonic Washing Machines feature innovative technologies to save as much water and energy as possible while providing perfect washing results.



## ECO-FRIENDLY

So you save as much energy and water as possible, Panasonic has developed a range of innovative, highly efficient technologies. All the sensors, the 3D HydroActive+ and Inverter motor work together perfectly to ensure clean results and the best possible use of resources with every single load. Panasonic Washing Machines achieve a rating even higher than the A+++ class.



## POWERFUL, EFFICIENT AND QUIET

The Inverter-controlled motor uses information from the 3D Sensor to determine the number of drum rotations needed for each cycle. This enables the motor to work almost silently and to maximum efficiency according to the specific load size – ensuring energy savings.



## INTELLIGENT WASHING

The Wash Load Sensor determines the size of each load, then adjusts the amount of water used and cycle length accordingly. Smaller loads result in lower water and energy consumption and a shorter wash cycle.



## AT YOUR CONVENIENCE

Choose the Quick programme to reduce cycle time to 50 minutes, or the Rapid programme, which runs for 15 minutes and is perfect for when you're in a rush. Then there's Start Delay. It allows you to delay the start of the cycle for up to 24 hours for greater convenience.



## LAUNDRY YOUR WAY

Easily fit laundry into your schedule with Speed Mode. It completes the wash cycle 40% quicker<sup>1</sup> than a normal cycle. The Eco Mode lets you fully benefit from the machine's A+++ energy rating. This wash cycle runs for longer but delivers big savings on water, energy and, as a result, money too.

	Normal	SpeedMode	EcoMode
ENERGY	⚡ ⚡	⚡ ⚡ ⚡	⚡ 50% energy savings
WATER	💧 💧	💧 💧 💧	💧 30% water savings
TIME	🕒 🕒	🕒 40% time savings	🕒 🕒 🕒



## PERFECT WASHING RESULTS



### GENTLE TUMBLING

The Japanese word Sazanami refers to soft waves, and Panasonic took inspiration from the calm yet powerful influences of nature to bring you the ultimate in washing performance: the Sazanami Drum. Its uniquely shaped spouts are ideal for thoroughly removing dirt without letting clothes catch.



### HYGIENICALLY CLEAN

With 3D HydroActive+, every wash cycle is as energy efficient as possible. Three water jets spray detergent and water deeply into the drum, evenly soaking clothes and lifting dirt straight away. This also means detergent dissolves faster, resulting in thoroughly and quickly washed clothes.



WITH 3D SENSOR



WITHOUT 3D SENSOR

### IDEAL LAUNDRY MOVEMENT

The innovative Panasonic 3D Sensor analyses the movement of the drum in every direction throughout each wash cycle. It constantly makes adjustments to the spin speed to cater for light or heavy garments, optimising the way they move in the drum to achieve the best wash results every time.

## FULL CONVENIENCE



### WHISPER-QUIET WASHING

The Silent Arch Design uses architectural curves to dampen the sounds created during the wash. The brushless Inverter motor also helps the machine to operate at just above a whisper so households across the world can now enjoy the same peace and calm so revered by the Japanese.



### SPACE FOR EVERYTHING

For all your needs, from 7 to 10kg loads, there's a Panasonic Washing Machine to meet them. The large door opening makes it easy for you to load and unload the drum. What's more, the 10kg-capacity machine has the same dimensions as a standard washing machine.



INFO



CLEAR DISPLAY



ERROR INDICATION



ERROR SOLUTION

### INTUITIVE OPERATION

The Panasonic WashNavi touch panel with a full-dot LCD display provides real-time information about the wash cycle's temperature, spin speed and time remaining. It also gives you troubleshooting help for any minor issues.

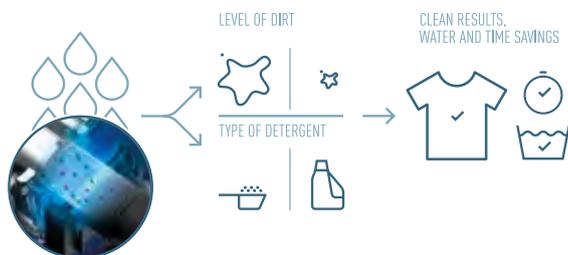


# AUTOMATIC SETTINGS, IMPECCABLE RESULTS

AutoCare is your fully automatic programme for more convenience. It uses four sensors to tailor the machine's settings and provide an optimum wash cycle. AutoCare automatically saves you 45% of energy and 35% of time while giving a more gentle treatment of your clothes. So if you want to feel good about saving energy and time when doing your laundry, just AutoCare it!<sup>1</sup>



OPTICAL SENSOR



The Optical Sensor uses infrared rays to determine the soiling level of the load by detecting the cloudiness of the water and the detergent type used. The wash and rinse cycles are then adjusted to optimise the wash for the best results as well as the most efficient energy consumption.



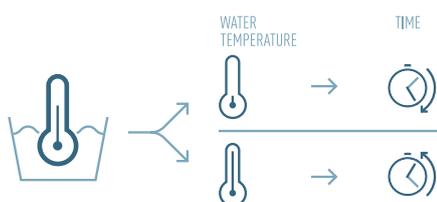
WASH LOAD SENSOR



The Wash Load Sensor determines the size of each load, then adjusts the amount of water used and cycle length accordingly for optimum results. This means, for any load size, water and energy consumption are always optimised for maximum efficiency. Smaller loads result in lower water and energy consumption and a shorter wash cycle.



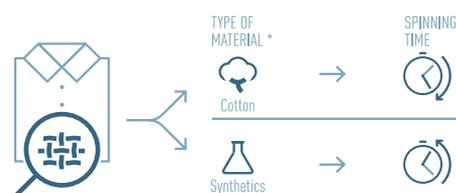
WATER TEMPERATURE SENSOR



The Water Temperature Sensor detects the temperature of the water pumped into the drum and increases or decreases the washing time to achieve the optimal results for each cycle.



LAUNDRY MATERIAL SENSOR



\*Identifies the percentage of synthetics and the percentage of cotton.

The Laundry Material Sensor detects the fibre balance and ratio of cottons to synthetics within the load, then adjusts the number of spin cycles and overall spin time accordingly.



# NATURALLY WRINKLE-FREE

The Panasonic Steam Action feature is as versatile as it is convenient. It takes the effort out of doing laundry while being gentle to the fabrics, as steam acts as a natural softener. It helps to reduce wrinkles in fabrics leaving next to no need for ironing after drying. It can also remove allergens and even lets you refresh your clothes without the need for washing.



## STEAM ACTION

WASHING CYCLE		ONLY REFRESH
<p><b>WrinkleCare</b></p> <p>REDUCES WRINKLES AND IRONING TIME</p>	<p><b>AllergyCare</b></p> <p>REMOVES NEARLY ALL ALLERGENS</p>	<p><b>Refresh</b></p> <p>REMOVES ODOURS WITHIN 25 MINUTES WITHOUT WASHING</p>



The benefits of steam are available in Panasonic Washing Machines thanks to the Steam Action programmes. Whether you need to refresh last night's clothes in 25 minutes without the need to wash, or eliminate 99%<sup>2</sup> of allergens from laundry to keep your family safe, you can do it all simply and conveniently with the Steam Action.

Panasonic Steam Action technology uses the heat plate method: water is dropped onto a hot plate to instantly create small, powerful particles of steam.



### LOOK AFTER YOUR FAMILY'S ALLERGIES

Allergy sufferers can breathe a sigh of relief. The Allergy-care programme eliminates 99%<sup>2</sup> of common allergens such as dust mites and pollen by maintaining a temperature of 60°C inside the drum and injecting some steam for over 20 minutes. This removes allergens and is gentler to your clothes than conventional high-temperature allergy programmes.

### SAVE TIME ON IRONING

Steam Action saves you ironing time by using heat and moisture to loosen fabrics before drying back to their original condition, giving fewer creases throughout.

<sup>2</sup>Third-party test results for the Allergy-care programme. Panasonic washing machines with Steam Action have been endorsed by Allergy UK.



# A PROGRAMME FOR EVERY FABRIC

No matter the type of fabric of your clothes, Panasonic Washing Machines let you choose from a host of customised care programmes that deliver perfect results.

## ALWAYS THE RIGHT PROGRAMME FOR YOUR PERSONAL NEEDS



### AUTO CARE

Automatic settings, impeccable results: You'll soon wonder how you ever got along without AutoCare. This intelligent programme does the work of sparkling clean laundry for you: it automatically tailors the perfect wash for the load at the touch of a button.



### ALLERGY-CARE

The Allergy-Care programme helps you breathe easier and enjoy a more pleasurable home. That's because this programme removes the most common allergens, such as dust mites, while remaining kind to your clothes.



### BABY-CARE

To ensure your baby enjoys the feeling of pure, clean clothes, the load goes through three rinsing cycles in the Panasonic Washing Machine. In this way, any possible detergent residue is completely eliminated.



### COTTON PROGRAMME

Daily wash for cotton, linen and cotton blends.



### EASY-CARE

Gentle wash for cotton, linen and synthetic fibres.



### COLOURS

Colour-fast wash for cotton and cotton blend items.

## VARIETY OF PROGRAMMES



### EXPRESS 15

A 15-minute programme to refresh small loads of laundry.



### QUICK 50

A 50-minute programme for lightly soiled items.



### 20°C WASH

Eco-friendly, thorough washing at a low temperature of 20°C.



### SILK/LINGERIE

A gentle 30°C programme with intermediate spinning in the rinse cycle to protect textiles and omit shrinkage, followed by a gentle final spin at 500rpm.



### WOOL

A gentle wash for wool with cradle-like rotation to ensure gentle washing, protecting your delicates and making them last longer.



### BEDDING

Together with the large-capacity drum, this programme is ideal for washing blankets, futons, sheets, bedspreads and duvets.



### DENIM

This programme reduces colour fading and ensures that no possible washing powder residue remains on the clothes at the end of the wash.



### SHIRTS

Ideal for washing shirts and blouses that easily become soiled at the collar and cuffs, this programme removes common yet unsightly stains, including sweat stains.



### OUTDOOR

Designed for synthetic and water-repellent outer garments, this programme gently washes the laundry at 30°C and spins at 800rpm to get it thoroughly clean.



### SPORTSWEAR

The Sportswear programme is just what you need for cleaning heavily soiled kits or socks with stubborn stains from mud or grass – returning them to their clean whites and bright colours.



### STAIN MASTER

The StainMaster programme lets you choose from 23 common stains like chocolate, collar grime or mud. The machine then automatically adjusts the soaking time, temperature and intensity for the best results.



### MIX

A programme that allows you to wash clothes very quickly even if they are made of different fabrics. This way you do not have to separate clothes and wash several loads.

# EASY LAUNDRY: AUTO CARE AND STEAM ACTION



## NA-140ZS1

### 10kg-Capacity Washing Machine

Energy class A+++

35% better than A+++<sup>1</sup>

AutoCare programme:

Four sensors, one perfect result

Steam Action programmes:

Wrinkle-care, Allergy-care, Shirts, Daily, Refresh

Spin speed: 1400rpm

Load capacity: 1–10kg

Annual energy / water consumption: 155kWh / 12,400l

Whisper-quiet operation: wash 53dB, spin 71dB

Inverter motor

3D Sensor

3D HydroActive+

Eco and Speed Modes

StainMaster

Sazanami Drum

Full-dot LCD display with WashNavi

**INVERTER**



## NA-168ZS1

### 8kg-Capacity Washing Machine

Energy class A+++

40% better than A+++<sup>1</sup>

AutoCare programme:

Four sensors, one perfect result

Steam Action programmes:

Wrinkle-care, Allergy-care, Shirts, Daily, Refresh

Spin speed: 1600rpm

Load capacity: 1–8kg

Annual energy / water consumption: 117kWh / 9,750l

Whisper-quiet operation: wash 53dB, spin 72dB

Inverter motor

3D Sensor

3D HydroActive+

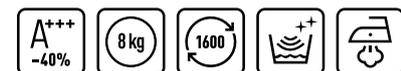
Eco and Speed Modes

StainMaster

Sazanami Drum

Full-dot LCD display with WashNavi

**INVERTER**





## NA-140XS1

### 10kg-Capacity Washing Machine

Energy class A+++

35% better than A+++<sup>1</sup>

AutoCare programme:

Four sensors, one perfect result

Steam Action programmes:

Wrinkle-care, Allergy-care, Shirts, Daily, Refresh

Spin speed: 1400rpm

Load capacity: 1–10kg

Annual energy / water consumption: 155kWh / 12,400l

Whisper-quiet operation: wash 53dB, spin 71dB

Inverter motor

3D Sensor

3D HydroActive+

Eco and Speed Modes

Sazanami Drum

Blue LED display

**INVERTER**



## NA-148XS1

### 8kg-Capacity Washing Machine

Energy class A+++

40% better than A+++<sup>1</sup>

AutoCare programme:

Four sensors, one perfect result

Steam Action programmes:

Wrinkle-care, Allergy-care, Shirts, Daily, Refresh

Spin speed: 1400rpm

Load capacity: 1–8kg

Annual energy / water consumption: 117kWh / 9,750l

Whisper-quiet operation: wash 53dB, spin 74dB

Inverter motor

3D HydroActive+

Eco and Speed Modes

Sazanami Drum

Blue LED display

**INVERTER**



<sup>1</sup>Compared to the limit of highest energy efficiency class A+++ (EEI 46), calculated according to EU Regulation 1061/2010 (2010/30/EU).

# AUTO CARE: AN EYE FOR PERFECT LAUNDRY



## NA-140XR1

### 10kg-Capacity Washing Machine

Energy class A+++

35% better than A+++<sup>1</sup>

AutoCare programme:

Four sensors, one perfect result

3D HydroActive+ for perfectly clean and fast results

Spin speed: 1400rpm

Load capacity: 1–10kg

Annual energy/water consumption: 155kWh/12,400l

Whisper-quiet operation: wash 53dB, spin 71dB

Inverter motor

3D Sensor

Eco and Speed Modes

Baby-care, Silk/Lingerie, Shirts, Sportswear

Sazanami Drum

Blue LED display

**INVERTER**



## NA-168XR1

### 8kg-Capacity Washing Machine

Energy class A+++

40% better than A+++<sup>1</sup>

AutoCare programme:

Four sensors, one perfect result

3D HydroActive+ for perfectly clean and fast results

Spin speed: 1600rpm

Load capacity: 1–8kg

Annual energy/water consumption: 117kWh/9,750l

Whisper-quiet operation: wash 53dB, spin 72dB

Inverter motor

3D Sensor

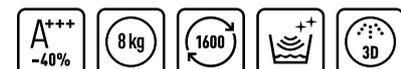
Eco and Speed Modes

Denim, Outdoor, Skin-care

Sazanami Drum

Blue LED display

**INVERTER**





## NA-149XR1

### 9kg-Capacity Washing Machine

Energy class A+++

35% better than A+++<sup>1</sup>

AutoCare programme:

Four sensors, one perfect result

3D HydroActive+ for perfectly clean and fast results

Spin speed: 1400rpm<sup>2</sup>

Load capacity: 1-9kg

Annual energy/water consumption: 141kWh/10,850l

Whisper-quiet operation: wash 54dB, spin 74dB

Inverter motor

Eco and Speed Modes

Denim, Outdoor, Skin-care

Sazanami Drum

Blue LED display

**INVERTER**



## NA-148XR1

### 8kg-Capacity Washing Machine

Energy class A+++

40% better than A+++<sup>1</sup>

AutoCare programme:

Four sensors, one perfect result

3D HydroActive+ for perfectly clean and fast results

Spin speed: 1400rpm

Load capacity: 1-8kg

Annual energy/water consumption: 117kWh/9,750l

Whisper-quiet operation: wash 53dB, spin 74dB

Inverter motor

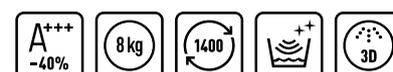
Eco and Speed Modes

Denim, Outdoor, Skin-care

Sazanami Drum

Blue LED display

**INVERTER**



<sup>1</sup>Compared to the limit of highest energy efficiency class A+++ (EEI 46), calculated according to EU Regulation 1061/2010 (2010/30/EU).  
<sup>2</sup>Please refer to the Product Fiche data (p. 26) for the actual spin speed.

# ALLERGY CARE: SAY GOODBYE TO ALLERGENS



## NA-147VR1

### 7kg-Capacity Washing Machine

- Energy class A+++
- 20% better than A+++<sup>1</sup>
- HydroActive for perfectly clean, fast results
- Allergy-care programme
- Large aperture of 33cm for easy loading and unloading
- Dirt level selection
- Drum Cleaning Programme

Spin speed: 1400rpm<sup>2</sup>  
 Load capacity: 1–7kg  
 Annual energy / water consumption: 135kWh / 9,240l  
 Whisper-quiet operation: wash 53dB, spin 74dB  
 Inverter motor  
 Hand Wash, Allergy-care  
 LCD display



## NA-148VB6

### 8kg-Capacity Washing Machine

- Energy class A+++
- HydroActive for perfectly clean, fast results
- Allergy-care programme
- Large aperture of 33cm for easy loading and unloading

Spin speed: 1400rpm<sup>2</sup>  
 Load capacity: 1–8kg  
 Annual energy / water consumption: 194kWh / 9,900l  
 Eco and Speed Modes  
 LCD display





## NA-147VB6

### 7kg-Capacity Washing Machine

- Energy class A+++
- HydroActive for perfectly clean, fast results
- Allergy-care programme
- Large aperture of 33cm for easy loading and unloading

Spin speed: 1400rpm<sup>2</sup>  
 Load capacity: 1-7kg  
 Annual energy/water consumption: 162kWh/9,240l  
 Eco and Speed Modes  
 LCD display



## NA-128VB6

### 8kg-Capacity Washing Machine

- Energy class A+++
- HydroActive for perfectly clean, fast results
- Allergy-care programme
- Large aperture of 33cm for easy loading and unloading

Spin speed: 1200rpm<sup>2</sup>  
 Load capacity: 1-8kg  
 Annual energy/water consumption: 194kWh/9,900l  
 Eco and Speed Modes  
 LCD display



<sup>2</sup>Please refer to the Product Fiche data (p. 26) for the actual spin speed.

# WASHING MACHINES WITH ALLERGY CARE



## NA-147VC6

### 7kg-Capacity Washing Machine

Energy class A++  
Allergy-care programme  
Large aperture of 33cm  
for easy loading and unloading

Spin speed: 1400rpm<sup>1</sup>  
Load capacity: 1-7kg  
Annual energy/water consumption:  
195kWh/10,346l  
Eco and Speed Modes  
LCD display



NEW



## NA-148GB1

### 8kg-Capacity Washing Machine

Energy class A+++  
Allergy-care programme  
Large aperture of 33cm  
for easy loading and unloading

Spin speed: 1400rpm  
Load capacity: 1-8kg  
Annual energy/water consumption:  
194kWh/10,224l  
Whisper-quiet operation: wash 58dB, spin 78dB  
LED display





NEW



## NA-127GB1

### 7kg-Capacity Washing Machine

Energy class A+++  
Allergy-care programme  
Large aperture of 33cm  
for easy loading and unloading

Spin speed: 1200rpm  
Load capacity: 1-7kg  
Annual energy / water consumption:  
172kWh / 10,337l  
Whisper-quiet operation: wash 58dB, spin 78dB  
LED display



NEW



## NA-107GC1

### 7kg-Capacity Washing Machine

Energy class A++  
Allergy-care programme  
Large aperture of 33cm  
for easy loading and unloading

Spin speed: 1000rpm  
Load capacity: 1-7kg  
Annual energy / water consumption:  
195kWh / 10,337l  
Whisper-quiet operation: wash 58dB, spin 77dB  
LED display



NEW



## NA-126GB1

### 6kg-Capacity Washing Machine

Energy class A+++  
Allergy-care programme  
Large aperture of 33cm  
for easy loading and unloading

Spin speed: 1200rpm  
Load capacity: 1-6kg  
Annual energy / water consumption:  
151kWh / 9,900l  
Whisper-quiet operation: wash 61dB, spin 79dB  
LED display





# ENERGY EFFICIENT AND GENTLE ON CLOTHES

Boasting cutting-edge Inverter and heat pump technologies, the Panasonic Tumble Dryer achieves top-class energy efficiency while providing excellent drying results. It offers a large choice of programmes and settings that are gentle to your laundry.



## ECO-FRIENDLY USE

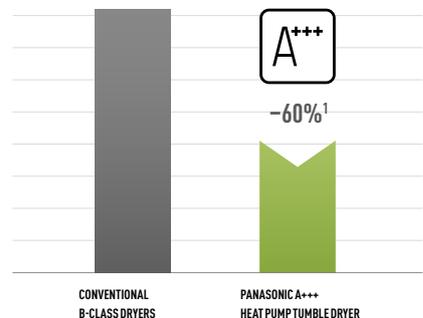
Based on the same principle as central heating, a Panasonic Heat Pump Tumble Dryer, with A+++ energy efficiency, generates more heat while using less energy. As a result, it's more efficient and more environmental friendly than conventional dryers.



## GENTLE, EFFICIENT DRYING

The A+++ Panasonic Heat Pump Tumble Dryer, with heat pump and Inverter technology, consumes 60% less energy than standard dryers of the energy efficiency class B.

## ENERGY CONSUMPTION



## POWERFUL AND FLEXIBLE

The Panasonic Heat Pump Tumble Dryer features an Inverter motor, which enables the appliance to dry with optimum power. Compared to conventional dryers that can't change motor rotation speed, an Inverter model significantly reduces wasted energy consumption for efficient operation. Gentle or speedy drying – the Panasonic Heat Pump Tumble Dryer with Inverter motor offers more drying flexibility when drying different kinds of clothes. You can dry fabrics that are heat sensitive, such as wool and delicates, without worrying about damage or shrinkage.



## GENTLE DRY

Gentle Dry is a feature unique to heat pump tumble dryers – and is featured with the Panasonic model. At approximately 40°C, you can dry delicate fabrics like nylon, polyester or linen, or items such as lingerie or sportswear and outdoor garments – without worrying about shrinkage or damage.



# NH-P8ER1 Heat Pump Tumble Dryer

Energy class A+++  
 Inverter motor reduces energy consumption  
 Large aperture of 35cm for easy loading and unloading  
 Load capacity: 1-8kg

Drum capacity: 120l  
 Annual energy consumption: 177kWh  
 Quiet operation: 66dB  
 3 extra drying functions: Extra Dry, Cool Air, Anti-crease  
 Timed programmes: 90 minutes, Rapid 60, Express 30  
 Large variety of programmes:  
 Cotton, Mixed, Bedding, Wool, Shirts, Easy-care, Delicates  
 Easy-to-clean net and heat pump filters  
 Easy-to-empty condensation container  
 180° fully opening door  
 LED display  
 Child Lock





# ICON GLOSSARY WASHERS & TUMBLE DRYER

## ENERGY EFFICIENCY AND SPECIAL LAUNDRY CARE



### ENERGY EFFICIENCY

The washing machines and heat pump dryer achieve high energy efficiency levels by utilising various technologies.



### HEAT PUMP TECHNOLOGY

A heat pump dryer generates more heat and uses less energy. As a result, it's efficient and environmental friendly.



The Inverter motor in many Panasonic Washing Machines and the Heat Pump Tumble Dryer adjusts drum rotations according to load sizes. In the dryer, it guarantees that the drying process runs at optimum power and reduces power consumption.



### GENTLE DRY

This programme guarantees carefree drying of delicate fabrics at approximately 40°C.



### ALLERGY-CARE

Removes 99% of allergens (house dust mites and pollen). This has been endorsed by Allergy UK.



### ECO & SPEED MODES

Select the washing time that fits your needs best – Speed Mode or Eco Mode.

## PERFECT WASHING RESULTS



### SAZANAMI DRUM

The Sazanami Drum removes dirt easily with its dimple-shaped holes, while remaining very gentle to fabrics.



### 3D HYDRO ACTIVE+ AND HYDRO ACTIVE

These two functions guarantee fast penetration of the detergent into the fabric and efficient, thorough rinsing.



### 3D SENSOR

The 3D Sensor detects load imbalances and optimises the balance to keep laundry moving the right way – for perfect results.



## PROGRAMMES



### AUTO CARE

Automatically tailors each cycle to your individual needs using intelligent sensor technology for highest efficiency.



### STEAM ACTION

Reduces wrinkles and ironing time, and enables wrinkle reduction and freshening up without washing, as well as allergen removal.



### STAIN MASTER

Can be set to tackle 23 different stain types – so there's no need to pre-treat garments.

## CONVENIENT LAUNDRY



### QUIET OPERATION

The Silent Arch Design uses architectural curves to dampen the sounds created during the wash.



### LARGE DOOR APERTURE

Large door aperture for easy loading and unloading.



### DRUM CLEANING

The drum cleaning programme eliminates detergent residue, dirt and odors. Perfect for the maintenance and hygiene of your washing machine.



### WASH NAVI

The Panasonic WashNavi touch panel with a full-dot LCD display provides real-time information about the wash cycle.



### LOAD CAPACITY

The capacity of Panasonic washing machines ranges from 7 to 10kg. The capacity of the Panasonic Heat Pump Tumble Dryer is 8kg.



### SPIN SPEED

Measured in rounds per minute (rpm), the spin speed of Panasonic Washing Machines ranges from 1200 to 1600rpm.



### AQUASTOP

AquaStop cuts off the water supply if a leak is detected in the inlet pipe or inside the machine.

# FEATURE/TECHNOLOGY OVERVIEW WASHERS

WASHERS / TECHNOLOGY AND FEATURES	NA-140ZS1	NA-168ZS1	NA-140XS1	NA-148XS1	NA-140XR1	NA-168XR1	NA-149XR1	NA-148XR1	
BASIC INFO	ENERGY EFFICIENCY CLASS <sup>1</sup>	A+++ -35%	A+++ -40%	A+++ -35%	A+++ -40%	A+++ -40%	A+++ -35%	A+++ -40%	
	LOADING CAPACITY	10kg	8kg	10kg	8kg	10kg	8kg	9kg	
	SPIN SPEED (RPM)	1400	1400	1400	1400	1400	1600	1200	
	SPIN DRYING EFFICIENCY CLASS	B	A	B	B	B	A	B	
	INVERTER MOTOR	<b>INVERTER</b>	<b>INVERTER</b>	<b>INVERTER</b>	<b>INVERTER</b>	<b>INVERTER</b>	<b>INVERTER</b>	<b>INVERTER</b>	<b>INVERTER</b>
TECHNICAL INFO	TIME DELAY	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	
	AUTO POWER OFF	•	•	•	•	•	•	•	
	CHILD LOCK								
	AQUA STOP								
	3D SENSOR				–	–		–	–
HYDRO ACTIVE SYSTEM									
DESIGN	DISPLAY	Full-dot LCD with WashNavi	Full-dot LCD with WashNavi	Blue LED, touch					
	DRUM DESIGN	Sazanami Drum	Sazanami Drum	Sazanami Drum	Sazanami Drum	Sazanami Drum	Sazanami Drum	Sazanami Drum	
	DRUM DOOR (DOOR OPENING)	33cm (180°)	33cm (180°)	33cm (180°)	33cm (180°)	33cm (180°)	33cm (180°)	33cm (180°)	
	ANTI-VIBRATION BODY DESIGN	Silent Arch Design	Silent Arch Design	Silent Arch Design	Silent Arch Design	Silent Arch Design	Silent Arch Design	Silent Arch Design	
STEAM ACTION PROGRAMMES	WRINKLE-CARE					–	–	–	
	ALLERGY-CARE					–	–	–	
	COTTON (WITH STEAM)					–	–	–	
	SHIRTS					–	–	–	
	REFRESH 25					–	–	–	
WASHING PROGRAMMES	AUTO CARE								
	HAND WASH	–	–	–	–	–	–	–	
	ALLERGY-CARE (WITHOUT STEAM)	–	–	–	–	–	–	–	
	STAIN MASTER			–	–	–	–	–	
	MIXED						–	–	
	SILK/LINGERIE	–	–	–	–		–	–	
	SHIRTS	–	–	–	–				
	OUTDOOR	–	–	–	–	–			
	DENIM	–	–	–	–	–			
	SPORTSWEAR	–	–	–	–				
	BABY-CARE / SKIN-CARE	–	–	–	–		–/–	–/–	
	WOOL								
	EASY-CARE	•	•	•	•	•	•	•	
	COLOURS	•	•	•	•	•	•	•	
	MEMORY			–	–				
ECO MODE / SPEED MODE									
QUICK 50									
QUICK	–	–	–	–	–	–	–		
RAPID 15									
BEDDING									
20°C WASH									
DELICATES									
DRUM CLEANING	–	–	–	–	–	–	–		

NA-147VR1	NA-148VB6	NA-147VB6	NA-128VB6	NA-147VC6	NA-148GB1	NA-127GB1	NA-107GC1	NA-126GB1
B	B	B	B	B	B	B	C	B
<b>INVERTER</b>	—	—	—	—	—	—	—	—
24 hours	23 hours	23 hours	23 hours	23 hours				
—	—	—	—	—	—	—	—	—
					Germany only	—	—	—
—	—	—	—	—	—	—	—	—
				—	—	—	—	—
Large LCD, touch button	LED, push button	LED, push button	LED, push button	LED, push button				
Dimple drum	Dimple drum	Dimple drum	Dimple drum	Dimple drum				
33cm (140°)	33cm (135°)	33cm (135°)	33cm (135°)	33cm (135°)				
Wavy design	Wavy design	Wavy design	Wavy design	—				
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INTRODUCTION

WASHERS

TUMBLE DRYER

TECHNICAL DATA

# WASHERS

## Product Fiche EU/1061/2010

SUPPLIER'S NAME			PANASONIC								
Model			NA-140ZS1	NA-168ZS1	NA-140XS1	NA-148XS1	NA-140XR1	NA-168XR1	NA-149XR1	NA-148XR1	
Rated capacity of cotton for the standard cotton programme	At 60°C with full load	kg	10	8	10	8	10	8	9	8	
		Energy efficiency class	A+++	A+++							
		Annual energy consumption <sup>1</sup>	kWh/year	155	117	155	117	155	117	141	117
<small>1 Energy consumption in kWh per year, based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load, and the consumption of the lowpower modes. The actual energy consumption will depend on how the appliance is used.</small>											
Energy consumption of the standard cotton programme	At 60°C with full load	kWh	0.83	0.63	0.83	0.63	0.83	0.63	0.80	0.63	
		At 60°C with partial load	kWh	0.66	0.48	0.66	0.48	0.66	0.48	0.52	0.48
		At 40°C with partial load	kWh	0.53	0.40	0.53	0.40	0.53	0.40	0.46	0.40
Weighted power consumption	Off-mode	W	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
	Left-on mode	W	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Weighted annual water consumption <sup>2</sup>		l/year	12,400	9,750	12,400	9,750	12,400	9,750	10,850	9,750	
<small>2 Water consumption in litres per year, based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load. The actual water consumption will depend on how the appliance is used.</small>											
Spin-drying efficiency class on a scale from G (least efficient) to A (most efficient)			B	A	B	B	B	A	B	B	
Maximum spin speed attained for the standard cotton programme	At 60°C with full load	rpm	1400	1600	1400	1400	1400	1600	1330	1400	
	At 40°C with partial load	rpm	1400	1600	1400	1400	1400	1600	1330	1400	
Remaining moisture content attained for the standard cotton programme <sup>3</sup>	At 60°C with full load	%	51	44	51	53	51	44	53	53	
		<small>3 Water consumption in litres per year, based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load. The actual water consumption will depend on how the appliance is used.</small>									
Programme time of the standard cotton programme	At 60°C with full load	min	229	233	229	231	229	233	239	231	
	At 60°C with partial load	min	222	190	222	213	222	190	226	213	
	At 40°C with partial load	min	196	167	196	193	196	167	194	193	
Left-on mode duration		min	1	1	1	1	1	1	1	1	
Airborne acoustical noise emissions	Wash	dB	53	53	53	53	53	53	54	53	
	Spin	dB	71	72	71	74	71	72	74	74	
Freestanding Appliance			Yes								

## Product Fiche EU/1061/2010

SUPPLIER'S NAME			PANASONIC									
Model			NA-147VR1	NA-148VB6	NA-147VB6	NA-128VB6	NA-147VC6	NA-148GB1	NA-127GB1	NA-107GC1	NA-126GB1	
Rated capacity of cotton for the standard cotton programme	At 60°C with full load	kg	7	8	7	8	7	8	7	7	6	
		Energy efficiency class	A+++	A+++	A+++	A+++	A++	A+++	A+++	A++	A+++	
		Annual energy consumption <sup>1</sup>	kWh/year	135	194	162	194	195	194	172	195	151
<small>1 Energy consumption in kWh per year, based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load, and the consumption of the lowpower modes. The actual energy consumption will depend on how the appliance is used.</small>												
Energy consumption of the standard cotton programme	At 60°C with full load	kWh	0.63	0.95	0.83	0.95	1.05	1.08	1.00	1.06	0.86	
		At 60°C with partial load	kWh	0.51	0.77	0.68	0.77	0.72	0.71	0.59	0.69	0.52
		At 40°C with partial load	kWh	0.49	0.71	0.64	0.71	0.65	0.65	0.56	0.63	0.48
Weighted power consumption	Off-mode	W	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	Left-on mode	W	<1	<1	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	
Weighted annual water consumption <sup>2</sup>		l/year	9,240	9,900	9,240	9,900	10,346	10,224	10,337	10,337	9,900	
<small>2 Water consumption in litres per year, based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load. The actual water consumption will depend on how the appliance is used.</small>												
Spin-drying efficiency class on a scale from G (least efficient) to A (most efficient)			B	B	B	B	B	B	B	C	B	
Maximum spin speed attained for the standard cotton programme	At 60°C with full load	rpm	1330	1317	1334	1194	1322	1330	1200	1000	1200	
	40°C at partial load	rpm	1330	1305	1333	1190	1324	1330	1200	1000	1200	
Remaining moisture content attained for the standard cotton programme <sup>3</sup>	At 60°C with full load	%	53	52	52	53	51	53	53	62	53	
		<small>3 Water consumption in litres per year, based on 220 standard washing cycles for cotton programmes at 60 °C and 40 °C at full and partial load. The actual water consumption will depend on how the appliance is used.</small>										
Programme time of the standard cotton programme	At 60°C with full load	min	212	209	206	209	207	200	230	205	200	
	At 60°C with partial load	min	176	177	176	177	175	175	195	166	166	
	At 40°C with partial load	min	171	171	176	171	165	165	190	161	161	
Left-on mode duration		min	No auto power off									
Airborne acoustical noise emissions	Wash	dB	53	58	58	58	58	58	58	58	61	
	Spinn	dB	74	76	76	74	76	78	78	77	79	
Freestanding Appliance			Yes									

# TUMBLE DRYER

Product Fiche (EU) No.392/2012

TUMBLE DRYER / TECHNOLOGY AND FEATURES		NH-P8ER1
BASIC INFO	ENERGY EFFICIENCY CLASS	
	LOADING CAPACITY	
	INVERTER MOTOR	
	DRUM CAPACITY	120L
TECHNICAL INFO	TIME DELAY	•
	CHILD LOCK	
DESIGN	DISPLAY	LED
	DRUM DESIGN	Conventional
	DRUM DOOR (DOOR OPENING)	35cm (180°)
PROGRAMMES	DELICATES	
	WOOL	
	SHIRTS	
	MIXED	
	BEDDING	
	EXPRESS 30	•
	RAPID 60	•
	TIME PROGRAMME 90 MINUTES	•
	EASY-CARE   EXTRA DRY, CUPBOARD DRY, IRON DRY	•
	COTTON	•
	EXTRA DRY	•
	COOL AIR	•
ANTI-CREASE	•	

SUPPLIER'S NAME			PANASONIC
Model			NH-P8ER1 <sup>1</sup>
Rated capacity of cotton laundry for the standard cotton programme	At full load	kg	8
Type of Dryer			Condenser with heat pump
Energy Efficiency Class			A+++
Weighted Annual Energy Consumption		kWh/year	176.8
Energy consumption in kWh per year, based on 160 drying cycles of the standard Cotton programme at full and partial loads, and the consumption of the low-power modes. The actual energy consumption per cycle will depend on how the appliance is used.			
Automatic Tumble Dryer			Yes
Energy Consumption for the standard cotton programme	At full load	kWh	1.40
	At partial load	kWh	0.86
Power Consumption for the standard cotton programme at full load	Off mode	W	0.09
	Left-on mode	W	0.53
Duration of the Left-on Mode		min	10
The "standard Cotton programme" used at full and partial load is the standard drying programme to which the information in the label and the fiche relates. This programme is suitable for drying normal wet cotton laundry and is the most efficient programme in terms of energy consumption for cotton.			
Weighted programme time of the standard cotton programme	At full load and partial load	min	123
Programme time of the standard cotton programme	At full load	min	160
	At partial load	min	96
Condensation efficiency class on a scale from G (least efficient) to A (most efficient)			A
Average condensation efficiency of the standard cotton programme	At full load and partial load	%	91
Weighted condensation efficiency of the standard cotton programme	At full load and partial load	%	91
Sound power level for the standard cotton programme	At full load	dB	66
Built-in (Yes/No)			No

<sup>1</sup> This product contains fluorinated greenhouse gases.  
 Refrigerant: R134a  
 Amount of refrigerant: 0.45kg  
 Global Warming Potential: 1430  
 CO<sub>2</sub> equivalent: 0.644t  
 Hermetically Sealed.

INTRODUCTION

WASHERS

TUMBLE DRYER

TECHNICAL DATA

# Panasonic

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