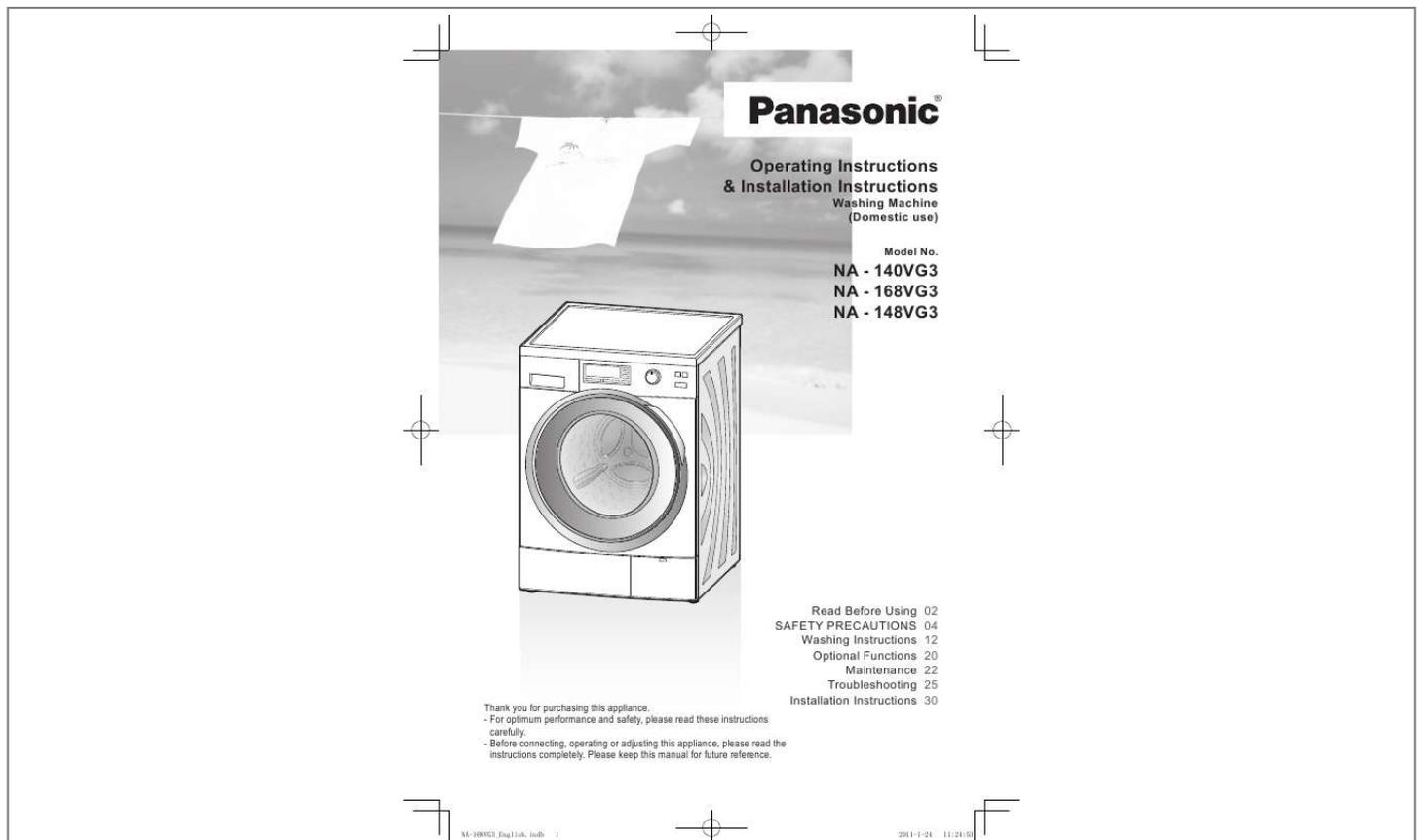




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You can read the recommendations in the user guide, the technical guide or the installation guide for PANASONIC NA-148VG3. You'll find the answers to all your questions on the PANASONIC NA-148VG3 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual PANASONIC NA-148VG3
User guide PANASONIC NA-148VG3
Operating instructions PANASONIC NA-148VG3
Instructions for use PANASONIC NA-148VG3
Instruction manual PANASONIC NA-148VG3



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Manual abstract:

Information on disposal in other countries outside the European Union This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal. Disposing of Waste Electrical & Electronic Equipment Information on disposal for users of waste electrical & electronic equipment (private households) Eco-friendly Laundry - Keep to the load limit of each programme. - The washing machine automatically adjusts the operating time of each programme depending on the load. - You only need to use a preliminary wash if your laundry is heavily soiled. @@@@ Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated disposable point. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Detergent amount - Use the correct amount of detergent based on the detergent pack instructions and local water hardness. - Adjust the amount of detergent depending on how soiled your laundry is.

When using a tumble dryer To save energy, please select the correct spin-dry revolution speed according to the instruction of your tumble dryer. This product complies with the directives 2006/95/EC and 2004/108/EC. 2 - Read Before Using NA-168VG3_English.indb 2 2011-1-24 11:24:53 Contents Read Before

Using Consider the Environment . .

. 2 SAFETY PRECAUTIONS 4 Checking Your Washing Machine .

. 6 Before You Start Washing 7 Maintenance Maintenance .

. 22 Cleaning the outside of the appliance. . . .

. . . . 22 Cleaning the drum.

. . . . 22 Cleaning the detergent drawer

. 22 Cleaning the door seal and window . 23 Cleaning the drain filter . .

. . . . 23 Cleaning the water-supply filter.

. 24 Preventing a frozen water-supply hose

. 24 Your washing machine

. 6 Accessories.

. . 6 Checking before use

. . 7 Before initial use

. 7 Preparing the laundry

. . . . 7 Unlocking the door

. 9 Using the Buttons

. . . . 8 Adding Detergent and Other Chemicals

. 10 Troubleshooting Fault Checklist

. . . . 25 Error Display

. 29 Detergent compartment

. 10 Softener compartment.

	.....11 Prewashing compartment

	11 Washing Instructions Washing

	..... 12 Setting washing.

	.....12 Required time

	...13 Setting the buzzer ..

	.....13 Changing settings while washing .

...13 Installation Instructions Choosing the Right Location	30 Carrying the appliance ..

30 The right place for the appliance.	30 Installing a built-in washing machine. .31 Removing the anchor bolts ...

	.....32 Moving the appliance

	... .32 Levelling the appliance .

	.33 Moving and Installing.
	.. 32 Selecting the Programme ...
	.... 14 Details of Programmes .
	..... 16 Washing Delicates. .

	. 18 Washing Bedding and Outdoor Wear

.... 19 Wool, Silk/Lingerie, and Delicates programmes	

	.... 18 Delicate laundry loads.

	..... 18 Tips for washing delicates. ...

	..18 Connecting Hoses and Power Supply ...

	..... 34 Checking After Installation .

. 36 Power and Water Consumption. ...	38 Specifications .

	.... 39 Hoses and cable lengths.

	.34 Water-supply hose

	.34 Water-drain hose.

.. .35 Connecting to the power supply ..	
... 35 Installation checklist	
..... 36 Test run after installation ...	

... 37 Optional Functions. .	

. 20 Bedding programme	

19 Putting bedding into the drum

..19 Outdoor programme

.19 Individual washing functions

.20 Additional functions .

.

.20 Preset timer.

.

.

.

21 Child safety lock

.21 Read Before Using - 3 NA-168VG3_English.indb 3 2011-1-24 11:24:54 SAFETY PRECAUTIONS Please read and follow these safety precautions.

- Keep sources of ignition, such as candles or cigarettes, away from the appliance.

They may cause a fire or damage to the appliance. - Keep flammable materials away from the appliance, for example, gasoline, thinner, alcohol, or clothing soaked with these materials. They may cause an explosion or a fire. Power source and cable - Unplug the mains lead when cleaning the appliance. - Check the mains lead and mains plug for any damage.

If the mains lead is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person to avoid a hazard. - Do NOT use a mains plug adaptor or extension cable. There is a possibility of overheating which may cause a fire. Use an unused household mains socket, fully rated at AC 220 V to 240 V. If you are not sure, contact a qualified electrician.

- ENSURE the mains plug is fully inserted into the household mains socket. If the mains plug is not fully pushed in, a loose connection may overheat and cause an electric shock or fire. - Do NOT touch the mains lead or mains plug with wet hands. Possibility of an electric shock. - Do NOT pull the mains lead but hold the mains plug to unplug the appliance. Otherwise, there is possibility of damage to the mains lead, which may lead to an electric shock or fire.

WARNING This describes issues which could cause death or serious injury. General Use - This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. - Children should be supervised to ensure that they do not play with the appliance. - Do NOT place a stand or a chair close to the appliance.

Children may be able to reach the control panel or climb onto or into the appliance. - Turn off the water supply to the appliance if it is not going to be used for a prolonged period, such as during a holiday. This is especially important if there is no drainage around the appliance. If the water supply is left on, the water pressure may unnecessarily increase and result in a leak. - Do NOT install the appliance in a damp location or in a location exposed to the weather.

This may result in malfunction, deterioration, electric shock, or fire. - Do NOT pour or spill water directly onto any part of the appliance. This may result in malfunction, electric shock, or fire. 4 - Read Before Using NA-168VG3_English.indb 4 2011-1-24 11:24:54 SAFETY PRECAUTIONS To Prevent Injury - The installation of the appliance should be done by the manufacturer's dealer or service agent.

If the installation, test run and inspection of the appliance are not carried out following the installation method outlined in these instructions, the manufacturer will not be liable for any accident or damage caused.



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- Do NOT dismantle, repair or modify the appliance. There is a possibility the appliance may malfunction which may result in a fire or an injury. If repairs are needed, contact your local Customer Service Centre. - Do NOT touch the laundry inside the drum until it has completely stopped, as there is a possibility of injury.

Keep children away from the rotating laundry. - Do NOT put any electrical equipment, for example, TVs, radios or battery chargers, on or near the appliance. - Do NOT put too much laundry or detergent into the appliance. This may cause damage to the appliance. - REMOVE the anchor bolts before installing the appliance using a spanner supplied or similar tool.

The anchor bolts are used to transport the appliance. If the anchor bolts are not removed, the appliance will strongly vibrate during use. To Prevent Injury - Do NOT climb onto the appliance. This may cause injury or damage to the appliance. - Keep fingers away from the door hinge when opening and closing the door. - Do NOT slide your hand (or unprotected foot) underneath the appliance when in use. - Check all washing and remove all objects such as nails, pins, coins, clips, metal wires, etc. They may cause damage to other laundry or the appliance. - Do NOT use the appliance to wash waterproof sheets or clothing. There is a possibility of excessive vibration or failure during the spin-drying cycle that may result in an injury, damage to the appliance or a water leak.

- BE CAREFUL when draining hot water or any detergent out of the drum. - BE CAREFUL not to get laundry caught in the door seal when it is closed. This may result in a water leak or damage to the laundry during the wash cycle. CAUTION This describes issues which could cause injury or damage your belongings. General Use - Prior to use, turn on the tap and check the hose and connections for any leaks. Improper connection could cause leaks. - The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused. - This appliance is only suitable for textiles labelled washing machine washable. - Do NOT connect to the hot water supply. This appliance works ONLY with cold water.

- Do NOT apply pesticide, hair spray or deodorant to the appliance. Read Before Using - 5 NA-168VG3_English.indb 5 2011-1-24 11:24:54 Checking Your Washing Machine Your washing machine Detergent drawer (see page 10) Drum (Washing/ spin-drying tub) Door seal Door Mains lead/ Mains plug Water-drain hose Drain filter cover (see page 23) Adjustable stands (see page 33) Caution Do NOT bend the mains lead when the appliance is running. Accessories Make sure that all the accessories are supplied with the appliance. Elbow (see page 35) For fixing the water-drain hose Cover cap (x4) (see pages 32-33) Water-supply hose (see page 34) Either one of these hoses is supplied with the appliance.

Standard Hose Spanner (see pages 32-33) End A is for adjusting the stand. End B is for the anchor bolts. A B Hose with water-supply valve (Not available for UK models) 6 - Read Before Using NA-168VG3_English.indb 6 2011-1-24 11:24:56 Before You Start Washing Checking before use For the appliance's initial operation or after a prolonged period of non-operation, perform the following procedures: 1. Secure the water-supply hose.

2. Open While the door is locked, if the appliance is switched off, or if there is a power interruption, the door stays locked until the switch is turned on again. - This is different from the child safety lock. (See page 21.) Press the Start button to unlock the door during operation. After about 1 minute, the drum stops spinning, and the door will automatically unlock. If the door doesn't open, see page 25. Caution If you have to unlock the door mid-programme, make sure that water from the drum does not overflow onto the floor. Water and soap suds might come out of the door and the door opening. You may need a towel to soak them up.

Read Before Using - 9 NA-168VG3_English.indb 9 2011-1-24 11:25:00 Adding Detergent and Other Chemicals Pull out the detergent into the drum. For details about preparing and sorting the laundry, see pages 7, 14, and 15. Caution - Make sure that no laundry gets caught in the door. - Do NOT overload the drum. This may cause excessive vibration or damage to the appliance. 2. Close the door and press the On button. 3. Turn the programme selection dial either way to select the programme.

A wash time will be displayed. Memory programme You can design your own programme based on the default settings of the Cotton programme. Select Memory programme and set other settings, then run the programme. Later, this preset programme can be run by simply accessing Memory programme. 15°C Wash programme This programme achieves the same cleaning strength with 15°C lowtemperature washing as 40°C programme (except for greasy filth). When you select the 15°C wash, the symbol flashes on the temperature display. 3 62 Cotton Rinse Plus programme This programme has rinse performance better than the cotton programme. 4. Select optional functions. - Process selection (See page 20).

) - Additional functions (See page 20-21.) - Temperature (See page 8.) - Spin speed (See page 8.) For more details about available functions and settings for each programme, see pages 16-17. 5. Add detergent to the detergent drawer. (See pages 10-11.) 6. Press the Start button. The appliance starts supplying water.

After the appliance has started, the laundry is weighed. After about 5 seconds, a new wash time will be displayed. If you select the Wool/Silk, Bedding, Sportswear, Rapid 15, or Shirt programmes, the laundry is not weighed. The buzzer will sound when the programme has finished, and the door will unlock immediately. 12 - Washing Instructions NA-168VG3_English.indb 12 2011-1-24 11:25:02 Washing Caution After a high temperature wash, be careful not to burn yourself when handling the laundry or touching the inside of the drum. Note - If the detergent is not completely removed from the laundry by using the basic programme, use the Extra Rinse function. - With the Eco and the Speed functions, if the load is big, the laundry may stick to the inside of the drum. This is normal. - Remove the laundry and rearrange where necessary.

Do not leave it in the drum too long after the programme ends, because colours may run. Setting the buzzer The buzzer that sounds when a programme finishes can be turned off. 1. Press the Start and On buttons at the same time. 2.

Release the On button and keep pressing the Start button for 3 seconds. The buzzer setting will be turned off after a beep is heard. If you wish to reset the setting, perform the same steps 1 and 2. The buzzer setting will be turned on after two beeps are heard. Changing settings while washing After washing has started, the programme, temperature, and preset time cannot be changed.

- To change the programme or temperature settings, turn the appliance off and then on again.



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- To change the rinse or spin settings while washing, press the Pause button once the appliance is full of water. - You can change the Spin-dry revolution, Extra Rinse and Easy Ironing function during the washing process. - No settings can be changed after the washing process has finished. Required time Times depend on the programmes and temperature settings that have been selected. - Actual times may differ slightly from those shown. - The displayed times include the time needed for the water to fill up and to drain out, thus they vary depending on water pressure, drainage and amount of laundry. - If you change the functions while washing, the displayed times may change. - If the laundry in the drum needs to be balanced, times will be extended. Washing Instructions - 13 NA-168VG3_English.

indb 13 2011-1-24 11:25:02 Selecting the Programme Programme Description 140VG3 Max load 148VG3 168VG3 Max load Cotton Daily washing for cotton, linen and cotton blend items (For examples, T-shirts, underwear, towels, tablecloths) Washing takes longer overall but rinsing is more thorough than the Cotton programme. Gentle washing for cotton, linen, and synthetics. Gentle washing for synthetic fibres, textiles, satin, lace, etc. Gentle washing for hand wash only wool, machine washable wool, and wool blends For lingerie and washable silk items. Washes gentler than the Wool programme. Washes lightly soiled items in 50 minutes. @@@@For details about washing instructions, see pages 12-13. @@@@This saves on ironing too. @@@@Use dress pins to hold the size and shape. @@Detergents - For wool items, use a mild liquid detergent.

Other detergents may damage the clothes. @@@@- Wash only one blanket at a time. @@@@- Water repellent finishes might be washed out over time. @@@@Put the blanket or bedspread to the drum. @@@@Press the Mode button a function.

@@@@Press one or more of the function you wish to combine. @@@@Some additional functions cannot be used with certain programmes. (See pages 1617.) Changing a preset time 1. Press the Off button, and then press the On button.

2. Choose the desired programme and optional functions. 3. Set a preset time. Cancelling a preset time Press the Off button. @@- You cannot preset the Wool and Silk/ Lingerie programmes. - The wash might finish before or after preset times depending on the kind of laundry, the temperature, and the conditions of water supply and drainage. Note Do NOT use detergent which does not dissolve thoroughly with the preset function, because the detergent might cake up before the wash starts and not flow out. Setting a preset time Continuously press the Time button until the desired preset time is displayed. Child safety lock The child safety lock prevents children from climbing into the drum and getting trapped.

This function keeps the door closed and locked even when the appliance is not in use. It also disables the control buttons. Activating/deactivating child safety lock 1. Switch on the appliance. 2. Press and hold the Mode button for at least 5 seconds. symbols light up to show that The the child safety lock is activated.

3. To deactivate, hold down the mode button again for 5 seconds (please ignore three beeps heard, keep mode button pressed until it unlocks) Washing Instructions - 21 NA-168VG3_English.indb 21 2011-1-24 11:25:10 Maintenance Cleaning the outside of the appliance Clean the outside of the appliance with a soft cloth and mild detergent, for example, kitchen detergent, and soapy water.

Warning - Do NOT splash water over the appliance. - Do NOT use cream cleansers, thinners, nor products containing alcohol or paraffin oil. Cleaning the detergent drawer Detergent residue soon builds up if the detergent drawer is not cleaned regularly. Detergent build up may develop mould. 1. Pull out the detergent drawer. Softener cover Cleaning the drum If you keep using cold water in the appliance, bacteria may build up inside the drum and give off an odour. You can avoid this by running the 90°C Cotton programme once a month. (If you use a scale remover, follow the manufacturer's instructions.)

Caution Viruses and bacteria are not killed in water temperature of 40°C.

Pathogens can spread via the commingling of clothes and thus transmit diseases. Pathogens die at 60°C or higher. However, using water temperatures up to 90°C is unnecessary. Note Do NOT put laundry nor laundry detergent into the appliance while it is being cleaned. If you use tub cleaning detergent or bleach, put it into the detergent drawer before starting the wash. The appropriate amount to be used is about 30 ml. (See pages 10-11.) 4. Wash out the old detergent with water. Use a cloth to wipe the water from the appliance.

5. The softener cover press it down to move to original point of detergent drawer. Then move the detergent drawer by inserting. 2. Remove the detergent drawer by simultaneously lifting and pulling it. 3. Pull your finger on the tab near the front of the softener cover then pull it up to remove it from the detergent drawer. 22 - Maintenance NA-168VG3_English.indb 22 2011-1-24 11:25:10 Maintenance Cleaning the door seal and window After each wash, perform the following: - Remove any objects from the door seal. - Wipe the window and seal to remove lint and stains.

4. After all the water has drained away, loosen the drain filter. 5. Carefully loosen the drain filter. More water may drain out.

This is normal. 6. Turn the drain filter anticlockwise to unscrew it. Then, remove it. Cleaning the drain filter We recommend cleaning the drain filter every 1 month.

Filter will have lint buildup, reduces the water from the shower. 1. Switch off and unplug the appliance. 2. Open and remove the drain filter cover. Remove the cover and place a container to receive the drain water. Cap Pump hose Drain filter 3. Pull out the pump hose and remove the cap to drain the water. 7. Remove any lint and debris.

8. Replace the drain filter. 9. Replace the cap and pump hose to the original position. Caution BE CAREFUL when draining hot water. Maintenance - 23 NA-168VG3_English.indb 23 2011-1-24 11:25:12 Maintenance Cleaning the water-supply filter Clean the filter if water is not supplied properly. 1. Turn the tap off. 2.

Switch on the appliance. 3. Select the Cotton programme, and then press the Start button. 4. After 1 minute, switch off the appliance.

Water has drained out of the water-supply hose. 5. Disconnect the water-supply hose from the appliance. 6. Clean the filter, which is on the rear of the appliance.

Use a small brush, for example, a toothbrush. 8. Reconnect the water-supply hose. Tighten the plastic joint firmly. 9. Turn on the tap, then check for leaks. Preventing a frozen water-supply hose If the appliance is delivered in freezing weather conditions, after setting up, leave it at room temperature for 24 hours before using. This will ensure that the water-supply hose does not get clogged up with ice. If your water-supply hose freezes, perform the following procedures: 1.



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Wrap warm towels around the joints of the water-supply hose.

Joints Tap Water-supply hose 2. Add 2 to 3 litres of warm water to the drum. about 50°C 7. If the unit is supplied with the hose fitted with a water-supply valve turn off the tap supplying the appliance, disconnect the hose from the tap, and then clean the filter on hose in the same way. 3. Start washing with the Drain only function, using the Mode button. (See page 20.) 24 - Maintenance NA-168VG3_English.indb 24 2011-1-24 11:25:12 Fault Checklist Problem Buttons do not work. @@- Child safety lock may be activated.

(See page 21.) Door does not open. - Door lock may be activated. (See page 9.) - Child safety lock may be activated.

(See page 21.) - The water temperature or level may be too high. @@You can wash the drum by running the 90°C programme. (See page 22.) - The water tap might be turned off.

- The water-supply hose may be frozen. (See page 24.) - The water supply may be disrupted. - The water-supply filter may be clogged. (See page 24.) There is only a small amount of water. Water builds up during the washing. Water drains out during the washing. @@Do NOT pour water in through the door. @@For heavy loads, the water may fill up repeatedly.

@@@Rinsing begins before the spin process finishes. @@The water will fill up after that. @@@@This feature is called foam detection. During spin-dry, the drum stops and rotates several times. Foam and water remain in the door or door seal. Spin cycle repeatedly starts and stops. @@@@- This is normal; intermittent spinning of the tub helps the spin process to operate quietly. - The laundry may be too light. If so, add one or two bath towels. The displayed remaining time changes.

- The remaining time is estimated and corrected continually. Thus, the time displayed may change. - The remaining time increases if an extra rinsing and spinning are required to correct an unbalanced load, which is caused by the laundry shifting to one side of the drum. Time 26 - Troubleshooting NA-168VG3_English.indb Rinse/Spin 26 2011-1-24 11:25:13 Fault Checklist Problem There is no foam or hardly any foam.

Cause - The amount of foam varies, depending on the temperature, level and softness of the water. - You may have put powdered detergent directly into the drum; you must put it in the detergent drawer. - You may not be using enough detergent. - You may be using a reduced-foam type of detergent. - Heavily soiled laundry and larger loads of laundry may reduce the amount of foam.

There is a lot of foam. - The amount of foam varies, depending on the temperature, level and softness of the water. - You may have used too much detergent. - The type of detergent you are using may cause excess foam. Fabric softener overflows. - The softener may have exceeded the MAX level for the detergent drawer. (See page 11.) - You may have spilt the liquid by closing the detergent drawer too strongly. After the wash has finished, powdered detergent residue remains. There is an unusual noise or vibration.

- You may have put powdered detergent directly into the drum; you must put it in the detergent drawer. Detergent and foam Noise There is noise when the water drains out. The fan makes noise. NA-168VG3_English.indb 27 - There may be metal items in the drum. - The anchor bolts may not have been removed. (See page 32.) - The appliance may be on a sloping or unstable surface. If none of the above is the cause, contact your local Customer Communications Centre. - This is normal; it is noise created by the operation of the drain pump.

- This is normal; the fan is cooling off the electric parts. Troubleshooting - 27 2011-1-24 11:25:13 Fault Checklist Problem The electricity supply cuts out while the appliance is on. A circuit breaker trips the electricity supply. Others Cause - The appliance will stop, and will not start by itself when the power comes back on. You have to select a programme and start it again.

- The appliance stops, and will not start by itself when you reset the breaker. You have to find out what caused the breaker to trip and solve it. Then, reset the breaker to turn the electricity supply back on, and switch on the appliance again. - When the water is supplied again, it may be impure at first. You have to disconnect the water-supply hose and drain away the impure water through the tap.

Make sure that the water-supply hose has been reconnected before using the appliance. - The appliance may be in a brightly lit or sunlit area. The water supply is disrupted. The display is not clear. 28 - Troubleshooting NA-168VG3_English.indb 28 2011-1-24 11:25:13 Error Display What to do Check the drain hose for any of following problems. - It clogs up. - Its tip is immersed in water. - It extends further than 3 m. - The water is frozen.

Clean the drain filter if it clogs up. (See page 23.) After correcting the problem, open the door, close it, and then start the wash again. What to do Door is open Make sure that the door is shut properly. The appliance has been designed to detect unbalanced loads, especially small loads, in order to ensure quiet operation and achieve the best results. This is not a malfunction. Perform any one of the following solutions. What to do Unable to spin-dry - If the laundry is too heavy, untangle clumps of clothing. - If the laundry is too heavy because items, such as blankets, are too large, reduce the load. - If the laundry is too light, add one or two bath towels.

- If the appliance is on an unstable or uneven surface, change the setting location. After correcting the problem, open the door, close it, and then start the wash again. What to do Check for any of following problems. - The tap is closed. - The water pipe or hose is frozen.

- The water supply has been disrupted. - The water-supply filter is clogged. (See page 24.) After correcting the problem, open the door, close it, and then start the wash again. If the red mark appears in the hose with water-supply valve, it have been stop the water supply.

You should replace with a new hose. Hose with water-supply valve (No.AXW12C-7SR0) An error display starting with H. What to do Press the Off button. If the display stays on, or if it reappears when you press the Start button, unplug the appliance and contact your local Customer Communications Centre.

Unable to drain Unable to supply water Troubleshooting - 29 NA-168VG3_English.indb 29 2011-1-24 11:25:14 Choosing the Right Location Carrying the appliance The appliance must be carried by 2 or more people. Caution - Install the appliance on a flat, stable surface to avoid excessive vibration and noise. - Do NOT install the appliance in direct sunlight or in a place where temperatures reach freezing. - Do NOT let metallic portions of the appliance come into contact with metal sinks or other appliances.

Start by tilting the appliance backwards. One person should stand behind it, holding the rear of the top panel. The other person should grip the bottom stands in the front. The right place for the appliance Make sure that there is enough space for the appliance and that openings on the base are not obstructed by a carpet.



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240 582 596 516 594 625 Dimension in millimetres 30 - Installation Instructions NA-168VG3_English.indb 30 845 38 2011-1-24 11:25:14 Choosing the Right Location Installing a built-in washing machine - You need a space at least 60 cm wide. At least 2 mm of clearance on the sides, and 3 mm of clearance above and behind the appliance are required. - The counter above the appliance must be firmly fixed to the adjoining cupboards. - If the clearance height ranges from 821 to 845 mm, request the sales dealer or service agent to install a metal cover on top of the appliance (sold separately), instead of the standard cover panel. Metal cover 3.

Put the metal cover on the top of the appliance. Changing the cover panel 1. Remove the three screws on the back of the appliance. 2. Slide the cover panel towards the rear and remove it.

Front Note If you need any accessories, contact your local Customer Communications Centre. 4. Secure the metal cover with all of the screws (14 in total). Metal cover (AXW4595-7SR0) Installation Instructions - 31 NA-168VG3_English.indb 31 2011-1-24 11:25:15 Moving and Installing Removing the anchor bolts Four anchor bolts keep the interior of the appliance in place while the appliance is being moved.

Remove them before installation, using the spanner that is supplied with the appliance. Follow the following instructions. Note The anchor bolts must be removed before the appliance is operated. They may cause excessive vibration. 3. Remove the screws, which are next to the bolt holes. 4. Push each cover cap (included with the accessories) over each bolt hole, and then secure them with the screws you removed in step 3. Note Make sure that you store the anchor bolts, because they are used when transporting the appliance. If the appliance is passed on to another person, make sure to give the anchor bolts to that person.

Moving the appliance A B Note Make sure to install the anchor bolts in the appliance. Before you move the appliance - Shut the tap and run the appliance to drain the water. Drain any remaining water from the pump hose. (See page 23.) - Depressurize the water-supply hose and remove it. - Disconnect the power cable. - Install the anchor bolts. (See page 33.) B 1. Use the 'B' end of the spanner to loosen the four bolts.

2. Pull the bolts out horizontally. 32 - Installation Instructions NA-168VG3_English.indb 32 2011-1-24 11:25:16 Moving and Installing Installing the anchor bolts 1. @@To adjust the stands, use the 'A' end of the spanner.

B 2. @@Have someone else hold the top of the drum and pull it forward. Same level A Lock nut Stand 3. Insert the transportation guards. 1.

On each stand, loosen the lock nut by turning it clockwise. 2. Adjust each stand by turning it clockwise or anticlockwise. 3. @@4. Tighten each lock nut by turning it anticlockwise. Caution 4. Tighten each bolt so that spring extends out by 26 mm. @@If they are unbolted, the appliance will move around. 26 mm B Installation Instructions - 33 NA-168VG3_English.

indb 33 2011-1-24 11:25:18 Connecting Hoses and Power Supply Follow the instructions in this section to prevent water leaks. If you are unsure, ask a service agent to connect the hoses. Hoses and cable lengths Left side connections ~ 105 cm ~ 130 cm ~ 135 cm ~ 90 cm 0 max. 100 cm 3/4" min. 10 mm Standard hose 2011-1-24 11:25:20 Right side connections ~ 100 cm ~ 140 cm Water-supply hose Caution - Do NOT connect the water-supply hose to a combination tap. - Do NOT twist, squash, modify, or cut the hose. - Optimum mains water pressure is 0.03 1.0 MPa. If the water pressure exceeds this value, install a pressure reducing valve.

@@@ @ @ @ 3/4" min. 10 mm Hose with watersupply valve 3. @@The joints are subject to water pressure. 34 - Installation Instructions

NA-168VG3_English.indb 34 Connecting Hoses and Power Supply Leak-proof System The appliance is installed with the system that is designed to prevent water leaks.

The system includes the following components. 1) Leak sensor This sensor will cease operation of the appliance if it detects any leaks. It is located on the base plate of the appliance. If a leak has been detected, an error display starting with H, for example, H 01, will appear. In that case, contact your local Customer Service Centre.

2) Overflow detection If water in the appliance increases to a certain level, this function stops the water supply and activates the drain pump. Caution - Do NOT block the basin, where the drain outlet is. Make sure that drainage into the drain is sufficient. - Do NOT let the tip of the water- drain hose dip into the drained water. This can cause water to flow back into the appliance. Draining to a drain hose Water-drain hose Caution Do NOT twist, pull out, or bend the drain hose. Draining to a sink or wash-basin Elbow Connecting to the power supply Name plate Caution - Secure the water-drain hose so that it will not come out of the basin. Caution The name plate indicates the rated power that the appliance needs. Make sure that the power supply specifications in your residence match the information mentioned here. Installation Instructions - 35 NA-168VG3_English.

indb 35 2011-1-24 11:25:21 Checking After Installation Installation checklist 3 7 1 4 2 56 1) Anchor bolts Have you removed them and attached the cover caps properly? 2) Location Is the appliance on a flat, stable surface? Does it run without vibrating? 3) Water-supply hose Is it free from leaks? Is the water supply normal? 4) Water-drain hose Is it free from leaks? Does it drain normally? 56 56 5) Adjustable stands Are they bolted securely to the appliance? 6)

Stand cushions Are they standing flat? If the appliance is not level, there may be abnormal sounds when water is drained out. 7) Power supply Is the household dedicated mains socket, fully rated at AC 220 V to 240 V? 36 - Installation Instructions NA-168VG3_English.indb 36 2011-1-24 11:25:22

Checking After Installation Test run after installation Check for water leakage, abnormal noise, and proper drainage. Perform the following procedures WITHOUT laundry in the drum. 1. Turn on the tap. 2. Close the door. 3. Please spin after moved this washing machine.

Press the On button. You have to select "Quick 50" course and "Spin" mode. Then press the "Start" button. After the water is drained, start a test run. 4. While holding down the Speed/Eco and Easy Ironing buttons, press the On button. Check the following: - Is there any abnormal noise? If so, make sure that the appliance is level. - Is there any water leakage? If so, make sure that the hoses are properly connected. You may get the following errors: - Are the hoses properly connected? Is the drain clogged? - Have you properly connected the watersupply hose and turned on the tap? After recovering from an error, reopen and reclose the door to resume the test.



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When the display appears as below (3 seconds), press the Speed/Eco button. The remaining time is displayed as below. The test is run for about 3 minutes.
 Installation Instructions - 37 NA-168VG3_English.indb 37 2011-1-24 11:25:23 Power and Water Consumption Programme Cotton Temperature 40°C 40°C
 1) Additional function Eco Load 10 kg 8 kg 5 kg 4 kg 10 kg 60°C 1) Eco 8 kg 5 kg 4 kg Cotton Rinse Plus 60°C 40°C 40°C Easy-care Wool Silk/Lingerie
 Quick 50 Rapid 15 15°C Wash Shirts Sportswear Outdoor Denim 40°C 1) 30°C 30°C 40°C 1) 30°C 40°C 40°C 30°C 30°C Eco 10 kg 8 kg 10 kg 8 kg 10 kg 8
 kg 5 kg 4 kg 2 kg 2 kg 5 kg 4 kg 2 kg 4 kg 2 kg 3 kg 3 kg 2 kg Power Water consumption consumption 1.05 kWh 0.84 kWh 0.71 kWh 0.62 kWh 0.95 kWh 0.

68 kWh 0.84 kWh 0.71 kWh 1.55 kWh 1.48 kWh 0.87 kWh 0.85 kWh 0.83 kWh 0.67 kWh 0.70 kWh 0.

56 kWh 0.20 kWh 0.22 kWh 0.48 kWh 0.45 kWh 0.

15 kWh 0.15 kWh 0.42 kWh 0.65 kWh 0.27 kWh 0.

24 kWh 80 L 63 L 50 L 40 L 63 L 50 L 50 L 40 L 87 L 74 L 87 L 74 L 80 L 57 L 55 L 45 L 50 L 60 L 50 L 40 L 23 L 50 L 35 L 45 L 58 L 40 L Time (mins)
 2:04 1:49 2:45 2:30 3:45 3:30 3:05 2:55 3:02 2:22 2:12 1:57 3:23 2:53 1:31 1:21 0:40 0:40 0:49 0:15 1:29 1:08 1:30 1:48 0:55 1) Results calculated
 regarding the Eco function and the maximum spin-dry revolution comply with EN 60456. 2) The power, water consumption, and times indicated in the table
 may vary depending on variations in pressures, water hardness and temperatures, room temperatures, types and amounts of laundry, voltage fluctuations, and
 which optional functions are used. 38 - Installation Instructions NA-168VG3_English.indb 38 2011-1-24 11:25:24 Specifications NA - 140VG3 Rated voltage
 Rated frequency Maximum energy rated power input Heating energy rated power input Product weight Maximum mass of dry cloth Product dimensions
 Water consumption Pressure of tap water 10 kg NA - 148VG3 NA - 168VG3 220 - 240 V 50 Hz 2000 - 2350 W 2000 W (230 V) 74 kg 8 kg 596 mm (W) × 625
 mm (D) × 845 mm (H) Refer to "Power and Water Consumption". 0.03 - 1 MPa Customer Communications Centre Fridge-Freezer and Washing Machine
 Please note, we are unable to assist with calls regarding Audio Visual and other Home Appliance products on this line. Monday to Thursday Friday Saturday
 to Sunday 9:00 - 20:00 9:30 - 20:00 10:00 - 16:00 0844 844 3896 If calling from the Republic of Ireland, please call 01-630-9799 Monday to Thursday 9:00 -
 5:30 Friday 9:30 - 5:30 (For Republic of Ireland) Installation Instructions - 39 NA-168VG3_English.indb 39 2011-1-24 11:25:25 Web Site:
<http://panasonic.net> Pursuant to the directive 2004/108/EC, article 9(2) Panasonic Testing Centre Panasonic Marketing Europe GmbH Winsbergring 15,
 22525 Hamburg, Germany © Panasonic Corporation 2011 000122 Printed in China February 2011 W9901-7TU00 NA-168VG3_English.indb 40 2011-1-24
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