grandimpianti®
Intelligent Laundry Equipment

Washing fabric in the best possible way is only a matter of control

Washing machines GWH Series



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GUIDO®. Control is Power

GUIDO® optimises cost, time, environmental impact
GUIDO® reduces the wear and tear of mechanical parts
GUIDO® foresees the time for maintenance
GUIDO® helps with installation
GUIDO® handles emergencies



GUIDO® guides you to the choice
GUIDO® is a flexible guide and adapts to the type of user: from the basic user (self-service) to the more experienced user (Gentlewash® treatment) to the maintenance technician. The menu changes its look and the selection options are based on the experience of the machine user. So everyone has the right level of information and ease. In this way, GUIDO® helps you to choose.

GUIDO® guides you to your objective
You just decide what you want to achieve. GUIDO® thinks about how to reach the chosen objective. It was designed following certain principles of cognitive ergonomics, to think the way you think. It calculates, monitors and balances the various parameters of the machine independently, to reach the desired result quickly and effectively. GUIDO® helps you to reach the objective.

GUIDO® guides you in your language
The GUIDO® menu comes in several languages, to be understood across the world. In this way, it facilitates and speeds up interaction with the user, wherever he/she is. And if the user and the maintenance technician speak different languages, GUIDO® adapts to them.

GUIDO® guides you in optimisation
By constantly monitoring the machine and adjusting parameters in real time, GUIDO® takes full advantage of the available resources and calibrates the timing of the various stages of washing and drying. The machine consumes only what it needs and uses what it needs to the maximum. This means greater efficiency, increased savings and reduced environmental impact. GUIDO® helps you optimise resources and time. And it does it independently.

GUIDO® guides you to improvement
GUIDO® remembers how and when the machine is used. It monitors the hours of operation, consumption and any alarms. All this data can be viewed at any time and allows you to calibrate the parameters even more accurately to improve the use of the machine, allowing you to better manage the maintenance times and operations. GUIDO® helps you to improve.



At your fingertips

GUIDO® manages the entire process with a simple touch

The touch switch next to the GUIDO® screen, lets you easily configure every washing and drying phase. Leaves the screen free, without hiding icons with your hands. Convenience, even in a hurry.

Made to be touched

GUIDO®: sensitive, resistant

The GUIDO® interface is made of tempered glass: it is resistant to wear and dirt, even with intensive use. In addition, the touch switch can be operated even when wearing gloves. It is designed specifically to be used in laundries.

Long-lasting components

GUIDO® reduces component wear

GUIDO® automatically checks the machine's efficiency. It balances the washing machine spin cycle in real time and prevents the dryer filters from clogging and overheating. In this way, GUIDO® extends the life of the components. It records all the interactions between the user and the machine.

I see and I foresee

GUIDO® facilitates maintenance

GUIDO® monitors the operation of the machine and foresees the time for maintenance. It allows you to schedule maintenance and alerts the user only when it is actually necessary. Savings in time and money.

- **For Grandimpianti, washing, spinning and drying are dynamic processes managed step-by-step.**
- **With an intelligent management of resources, many benefits can be reached: time can be saved, consumption can be reduced, the life of certain components can even be extended.**
- **Grandimpianti chose two key elements to optimise the washing machines operation: the "do-it-all" GUIDO® software and the patented DWS weighing system.**
- **The tumble dryer automatically adjusts in real time, adapting itself to the state of the textile during the drying process.**
- **And when you touch the fabric, you come into contact with Grandimpianti technology.**

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GUIDO®, the ability to control

Choose with a finger.

The GUIDO® software performs many different functions. It manages the motor, optimizes quantities, balances the load in the drum, foresees the time for maintenance, manages the payment system and stores data.
And to interact with GUIDO®, all you need is your finger.

INVERTER MOTOR TECHNOLOGY

Transmission through an inverter controlled by GUIDO® reduces wear and maintenance costs.

DYNAMIC WEIGHT SYSTEM

The automatic and patented dynamic weight system reduces waste, adjusting quantities and consumption to the actual load. With the help of GUIDO®.

ELECTRONIC BALANCE DETECTOR

GUIDO® automatically manages the distribution of the load in the drum, the speed and phases of acceleration and deceleration to optimise the wash and spin.

FAULT SAVING DATA

GUIDO® records all operational data for easy diagnosis and repair operations.

AUTOMATIC MAINTENANCE CALL

The GUIDO® software foresees the time for maintenance and requests user intervention in advance. Thus, maintenance can be planned in advance.

PAYMENT SYSTEM MANAGEMENT

In self-service versions, the coin acceptor is integrated in the machine and is managed by GUIDO® to make payment transactions intuitive.

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Fast spin that drives business

Precision weighing. Standard!

In the GWH washing machine, a patented precision weighing is available as standard. The DWS system weighs the laundry and the data is then independently processed by GUIDO® which calculates the exact amount of resources needed. In this way, the machine adapts with extreme precision to every minimal variation in the load. The management of consumption is no longer limited to a few preset options, only the resources strictly necessary are used for the laundry loaded.



Italian Design

Beauty and functionality. Aesthetics and ease of use. Design and ergonomics. Grandimpianti machines are made with meticulous attention to detail, even in terms of their appearance. The sizes of the doors, the position of the soap dispenser, the tempered glass, the rounded edges, and the size of the machines have all been designed for convenient and efficient use of the washing machine, optimising its overall dimensions. A design based on ergonomic criteria.

To each his own

The Grandimpianti washing machines of the GWH series come in six different capacities, to meet the various load needs of the client. From 8kg to 28kg (load ratio 1:10), you can choose the washing machine that best suits you. Every version has the same functional and design characteristics to always guarantee the same quality to the client. So you can choose the version that best suits your needs without sacrificing the high performance and ease of use, high savings and low environmental impact.



Steel core, velvet touch

The washing machine spin requires power and delicacy at the same time. Grandimpianti GWH washing machines have steel drums and a powerful motor capable of generating up to 400G (400 times the acceleration of gravity) to ensure the next step of drying fast and effective at the tumble dryer. The drum has a special hemisphere shape that ensures better water discharge during rotation and prevents items from being damaged by excessive friction. So with Grandimpianti machines you can wash work clothes just as well as wedding dresses.

Double!

There are double safety devices in Grandimpianti washing machines. There are redundant alarm circuits. Just like in aeroplanes. In the unlikely event that a protective device fails, its replacement is activated to guarantee safety.





Optimises costs, whatever the load

Saves up to 50% on detergent thanks to the quantity used being automatically adjusted by the patented DWS system.
Saves energy by optimising the amount of water to be heated. Even greater savings with the adoption of the second optional discharge valve. All of this means less expense and less environmental impact.

Saves time with the ample discharge. Thanks to a 3-inch discharge valve, the machine discharges water quickly and makes you perform almost an additional full cycle for each shift use.

96% machine recyclability. An ecological washing machine even at the end. The machine is made of recyclable material and therefore has low environmental impact even when you decide to change it.

Save on maintenance with anti-limestone heaters and long-lasting seals.
The heaters are made of INCOLOY steel and reduce limestone deposits. The EPDM material seals ensure long life. This means less maintenance for the washing machine.

Ease of use thanks to the door with its wide opening. Washing machines have a strictly ergonomic design: the large portholes guarantee ease and speed of loading and unloading. Less wasted time and more attention to the user.

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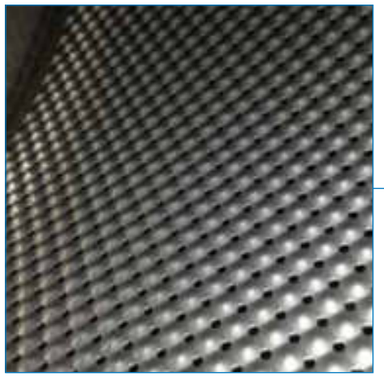
The details count.

Let's get down to the details. We see the soul of Grandimpianti washing machines. To appreciate technical innovations that make this great product. To better understand the new strategic vision of Grandimpianti that brings together design and ergonomics. A quick tour through the most representative details gives us a quick overview of aesthetic and functional innovations that are now part of laundries.



Innovative Italian design with rounded edges. The display of GUIDO® made of tempered glass and the touch switch are designed to be used comfortably even with gloves and in harsh environments.



The steel hemispheres ensure a gentle touch on fabrics, even at high spin speeds. The numerous micro-holes of the drum guarantee rapid flow of water.



Springs and shock-absorbers reduce floor vibration. This means lower noise and increased comfort of use at the laundry.





Soap dispenser with 4 ergonomically placed compartments



The wide door which opens up to almost 180° facilitates loading/unloading the laundry. The EPDM gaskets ensure a tight seal.



Ergonomic knob. To open just a slight rotation is enough.
The exclusive Grandimpianti lock keeps the door securely closed and locked until the rotation of the drum stops completely.

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Washing machine with an innovative heart

Many ways to be GREEN



The patented DWS dynamic weighing system optimises the consumption of energy, water and detergents based on the actual amount of laundry loaded, reducing waste and environmental impact. The amount of unused water, normally present between the drum and the tub, is reduced thanks to a slight shift of the two components, while the position of the discharge valve, placed immediately below the tub, prevents the deposit of detergents and water.
Thanks to the second optional water discharge channel, instead of being eliminated in the sewer, the water is recovered and reused later.
The water supply with three inputs optimises the consumption of hard water and soft water, improves the dosage of detergents and balances the dosage of cold water and hot water, reducing the use of heating. The mixer with 13 inputs optimises the mixing and dilution of detergents before they come into contact with the fabric.
GUIDO® optimises the speed of rotation of the drum and the distribution of the load inside to produce optimum results with minimum mechanical stress, while the particular design of the drum favours effective wash and spin (up to 400G), with low consumption and low strain on fabric.
Resistances and gaskets are made of selected materials that prevent limestone deposit, are long-lasting, reducing maintenance costs. Springs and shock-absorbers absorb vibration reducing noise pollution. Finally, the new models are 96% recyclable.

Many ways to be ERGONOMIC

The GUIDO® software is the same for everyone. The graphical interface adapts to the language and level of experience of the user to facilitate interaction with the machine. The patented DWS system weighs the laundry loaded automatically, without the user having to worry about knowing the actual load. GWH series washing machines are produced in various sizes to meet different productivity needs.
The porthole is wide and opens up to nearly 180 degrees for easy loading/unloading of the laundry, while the strong hinges provide precise and fluid opening. The position of the dispenser is designed to facilitate manual dosage of detergents. The coin acceptor is integrated aesthetically and functionally in the machine to facilitate self-service payment operations.
The washing machine can be raised for aesthetic reasons as well as to make the operations of loading and unloading more comfortable, while its quietness gives the user additional comfort of use. Finally, the shape and size of the machine allow for better use of the laundry space.

Easy installation.

The washing machines are designed to be installed by a single person. GUIDO® requests useful data, processes them and automatically configures the best operating parameters. The detergent mixer is designed to manage up to 13 inputs of liquid soap from the rear of the machine, thus facilitating connection operations. The size of the slim and lightweight frame and maintenance only from the front and back, allow you to install multiple washing machines side by side, possibly combining them with dryers. Installation is facilitated by the fact that the components are certified according to international standards. Finally, the machine produces little floor vibration, thus avoiding costs of additional soundproofing and cushioning in the installation phase.



Easy maintenance

The discharge valve and resistances are accessible from the front. The bearings of the drum are separate from the crosspiece and removable as a single component from the rear. All of this makes for faster and easier maintenance. The electric and electronic components are protected inside with anti-fouling containers as required by international standards. The INCOLOY steel resistances and EPDM rubber gaskets are long-lasting and prevent the formation of limestone. The flat transmission belt reduces maintenance and tensioning procedures. In addition, GUIDO® foresees maintenance time based on actual use of the machines, analysing time, number, type and mechanical stress caused by cycles performed, allowing you to plan operations ahead of time.



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Tailor-made solutions



Safety is not optional

The convenient mushroom emergency button activates an intelligent shut down system. Once pressed, all procedures are handled by GUIDO® that makes the machine stop as quickly and safely as possible. This is possible thanks to interaction with an electronic card specially designed and certified for the management of machine safety. The machine has double safety systems and redundant alarm circuits, including the lock. All certified according to the strictest international standards by an accredited laboratory.

Experience at your disposal

The patented DWS weighing system ensures high efficiency with partial loads. Recent studies show that machines are almost never loaded based on their actual capacity. The DWS system adjusts the dosage and consumption to lower loads. For example, with a 70% load, the machine uses 30% less detergent and the cycle is shortened by 5 minutes due to lower water consumption, with consequent reduction in electricity used. But the quality of washing remains unchanged.

Efficient now and in the future

The control system of the machine can be easily upgraded through the convenient USB port. The GUIDO® software is designed to be reprogrammed, as in the case of new wash cycles or changes and updates in general, in order to keep up with new technologies. Do new detergents require different timing, different dosages, different amounts of water? Simply update GUIDO® and the washing machine will be ready for the changes. Grandimpianti machines, therefore, do not only adapt to current demands but are also ready for future developments. A purchase that lasts over time.

CHARACTERISTICS	GWH8	GWH11	GWH14	GWH18	GWH24	GWH28
Drum volume	dm^3 75	dm^3 105	dm^3 135	dm^3 180	dm^3 240	dm^3 280
Drum perforation	Around 8%	Around 8%	Around 8%	Around 8%	Around 8%	Around 8%
Programs number	Without limit	Without limit	Without limit	Without limit	Without limit	Without limit
UR percentage	42÷47%	42÷47%	42÷47%	42÷47%	42÷47%	45÷50%

100% NOMINAL CAPACITY*	GWH8	GWH11	GWH14	GWH18	GWH24	GWH28
Water per cycle	*lt* 71.1	*lt.* 85.9	*lt.* 116.2	*lt.* 154	*lt.* 205.5	*lt.* 245
Power consumption	*KWh1.563*	*KWh2.332*	*KWh3.125*	*KWh5.168*	*KWh6.450*	*KWh7.847*
Cycle length	55min	55min	56min	56min	58min	60min
Detergents**	100%	100%	100%	100%	100%	100%

70% NOMINAL CAPACITY*	GWH8	GWH11	GWH14	GWH18	GWH24	GWH28
Water per cycle	*lt* 49.5	*lt.* 60.2	*lt.* 81.4	*lt.* 110.7	*lt.* 154	*lt.* 172
Power consumption	*KWh1.158*	*KWh1.578*	*KWh1.998*	*KWh3.166*	*KWh3.713*	*KWh4.459*
Cycle length	50min	51min	50min	50min	51min	52min
Detergents**	70%	70%	70%	70%	70%	70%

50% NOMINAL CAPACITY*	GWH8	GWH11	GWH14	GWH18	GWH24	GWH28
Water per cycle	*lt* 35.5	*lt.* 43	*lt.* 58.1	*lt.* 90	*lt.* 115	*lt.* 142.5
Power consumption	*KWh0.888*	*KWh1.188*	*KWh1.488*	*KWh2.232*	*KWh2.713*	*KWh3.246*
Cycle length	45min	46min	47min	46min	49min	50min
Detergents**	50%	50%	50%	50%	50%	50%

* The patented DWS system independently determines reduction in resource consumption in relation to the actual machine laundry load in kg. Consumption corresponding to 100% of the nominal load was calculated according to the international regulatory standard ISO 9398. The standard provides for the examination of the performance of the machine as a function of a wash cycle composed of a washing phase at 60°C, 3 rinse phases and a final spin at full power, corresponding to a load equal to a nominal capacity with a 1:10 ratio, of towels cotton fabric weighing 420g/m^2 with dimensions of 60cm x 90cm.

** The dosage of detergents is reduced automatically in case direct management of the dosing pumps by GUIDO® is chosen.

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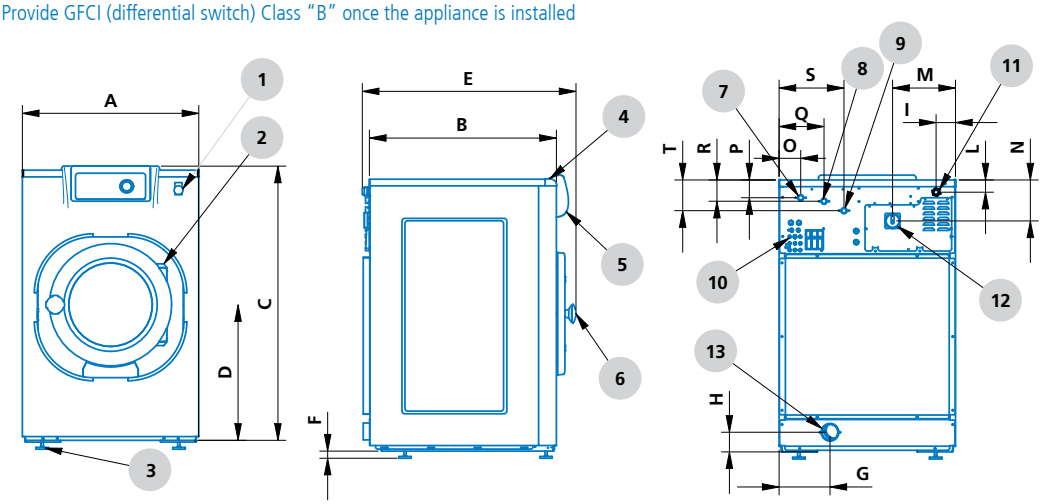
Let's take the measurements

Models / Characteristics	GWH8	GWH11	GWH14	GWH18	GWH24	GWH28
Capacity ratio 1:10 kg*	4 ÷ 8	5.3 ÷ 10.5	6.75÷13.5	9÷18	12÷24	14÷28
Capacity ratio 1:9 kg*	4.5 ÷ 9	6÷12	7.5÷15	10÷20	13.5÷27	16÷32
Dynamic weighing DWS	YES					
Mechanical and electronic imbalance control	YES					
Spin (rpm) G Factor	1165 / 400	1075/400	1075/400	980/400	980/400	915/350
Noise level (dB)	<65					
Control	GUIDO®					
Payment systems	Mechanical coin meter / Electronic coin meter / Central payment unit / Other systems on request					
Heating power (kW)	6/9	6/9/12	9/12	12/18	18	22
Motor power (kW)	1.14	1.66	2.37	3.36	4.6	4.6
Electric power supply	220-240V 1~ 50/60Hz 230-240V 3~50/60Hz **380-415V 3N 50/60Hz** 440V-480V 3~ 60Hz		220-240V 3~50/60Hz **380-415V 3N 50/60Hz** 440V-480V 3~ 60Hz			
Net/Gross weight (kg)	190 / 205	215 / 240	260 / 280	385 / 400	435 / 455	475 / 520
Dynamic floor loading (kN/Hz)	1.9 ± 0.5 / 19.4	2.2 ± 0.5 / 17.9	2.7 ± 0.5 / 17.9	4.0 ± 0.7 / 16.3	4.6 ± 1.1 / 16.3	5.0 ± 1.1 / 15.25
Porthole diameter (mm)	330	410		460		

Provide GFCI (differential switch) Class "B" once the appliance is installed



1	Emergency button
2	Porthole hinge
3	Feet
4	Aesthetic angle closure
5	Dashboard
6	Handle
7	Soft water connection
8	Hard water connection
9	Hot water connection
10	Soap connection
11	Electrical connection
12	Disconnector
13	Drain (3")

	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T
GWH08 (mm)	710	660	1130	582	780	25	230	88	88	55	284	185	98	80	203	96	213	165
GWH11 (mm)	795	660	1245	620	780	25	230	88	88	55	284	185	98	80	203	96	293	138
GWH14 (mm)	795	830	1245	620	935	25	230	88	88	55	284	185	98	80	203	96	293	138
GWH18 (mm)	970	940	1460	765	1000	25	270	109	88	55	329	185	98	100	203	143	308	185
GWH24 (mm)	970	1045	1460	765	1105	25	270	109	88	55	329	185	98	100	203	143	308	185
GWH28 (mm)	970	1187	1460	765	1247	25	270	109	88	55	329	185	98	100	203	143	308	185
	Width	Depth	Height															

The manufacturer declines all responsibility for any inexactitudes contained in this catalogue. The manufacturer reserves the right to bring, without warning, any modifications he might believe necessary, without changing the essential characteristics of the product.

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AZIENDA CON SISTEMA DI GESTIONE CERTIFICATO DA DNV
= ISO 9001 =
= ISO 14001 =