ENERGY STAR

LG | COMMERCIAL LAUNDRY

www.lg.com/global/business/commercial-laundry

LG | COMMERCIAL LAUNDRY

LG COMMERCIAL LAUNDRY SYSTEMS

LG Commercial Laundry Business Area

LG achieved our highest-ever annual revenue thanks to strong demand for premium appliances and automotive parts.

Countries for Business

North America
USA
Canada

Asia
Australia, China, Hong Kong, Indonesia, Malaysia, New Zealand, Philippines, Singapore, Thailand, Vietnam, Sri Lanka, Fiji

Europe
UK, Latvia, France, Poland, Hungary, Spain, Croatia, Italy

CSI
Russia, Kazakhstan

India

Middle East & Africa
Kenya, Nigeria, South Africa

Latin America
Chile, Peru, Brazil, Mexico, Colombia, Panama, Uruguay, Paraguay

Production Sites

Korea
Changwon

Thailand
Rayong

USA
Clark sville, TN

Brazil
Manaus

Mexico
Monterrey

Russia
Ruza

Turkiye
Gebze

Poland
Wroclaw

Egypt
10th of Ramadan

China
Tianjin, Taizhou, Nanjin, Qingdao

Vietnam
Haiphong

India
Noida, Pune

Saudi Arabia
Riyadh

Product Line Up

Top Load

White Silver

Washer
Card/OPL Type

Washer
Coin Type

Washer
Card/OPL Type

Washer
Coin Type

Titan

Silver

Washer
Card/OPL Type

Washer
Coin Type

Dryer
Card/OPL Type

Dryer
Coin Type

Stack
Card/OPL Type

Stack
Coin Type

Giant

White Silver

Washer
Card/OPL Type

Washer
Coin Type

Dryer
Card/OPL Type

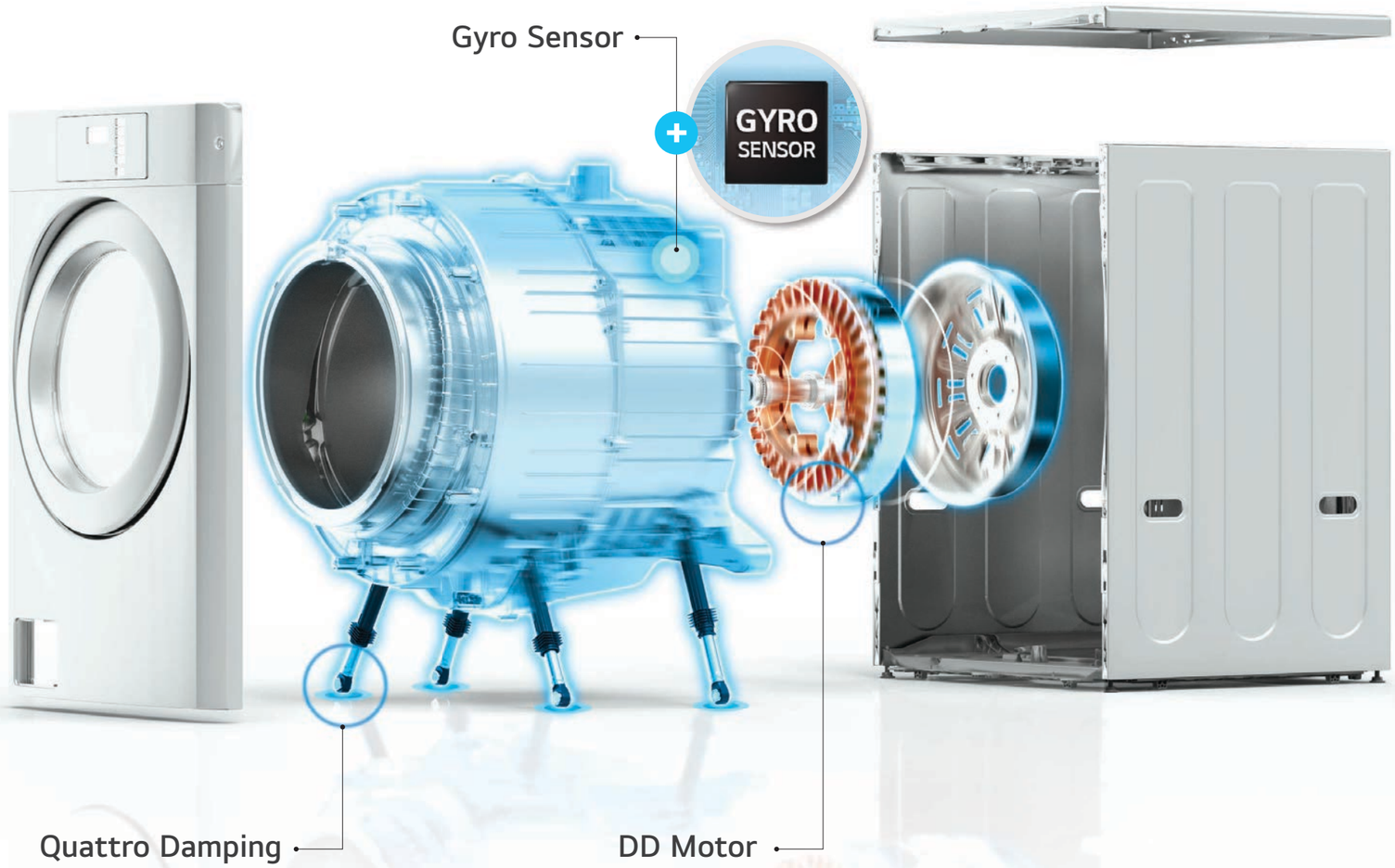
Dryer
Coin Type

Stack
Card/OPL Type

Stack
Coin Type

Why LG Commercial Laundry?

Design Your Business Space. Trusted Worldwide to Help Businesses Succeed
The LG comerical laundry solution can be perfectly suited in any business environment.
We are "Stronger, Smarter, Healthier, More efficient"



Durability

The Inverter Direct Drive™ drums on LG Commercial Laundry machines are directly attached to the motor, making it durable and reliable for years to come. LG guarantees 5 year warranty on direct driver motor.

Performance

LG Commercial Laundry machines emit low noise[1] and vibration, creating a pleasant environment that caters to the needs of a wide range of customers.

Efficiency

Reduce energy and water consumption while boosting efficiency. LG Commercial Laundry machines, certified by Energy Star standards, save more energy and water compared to other products in their class.

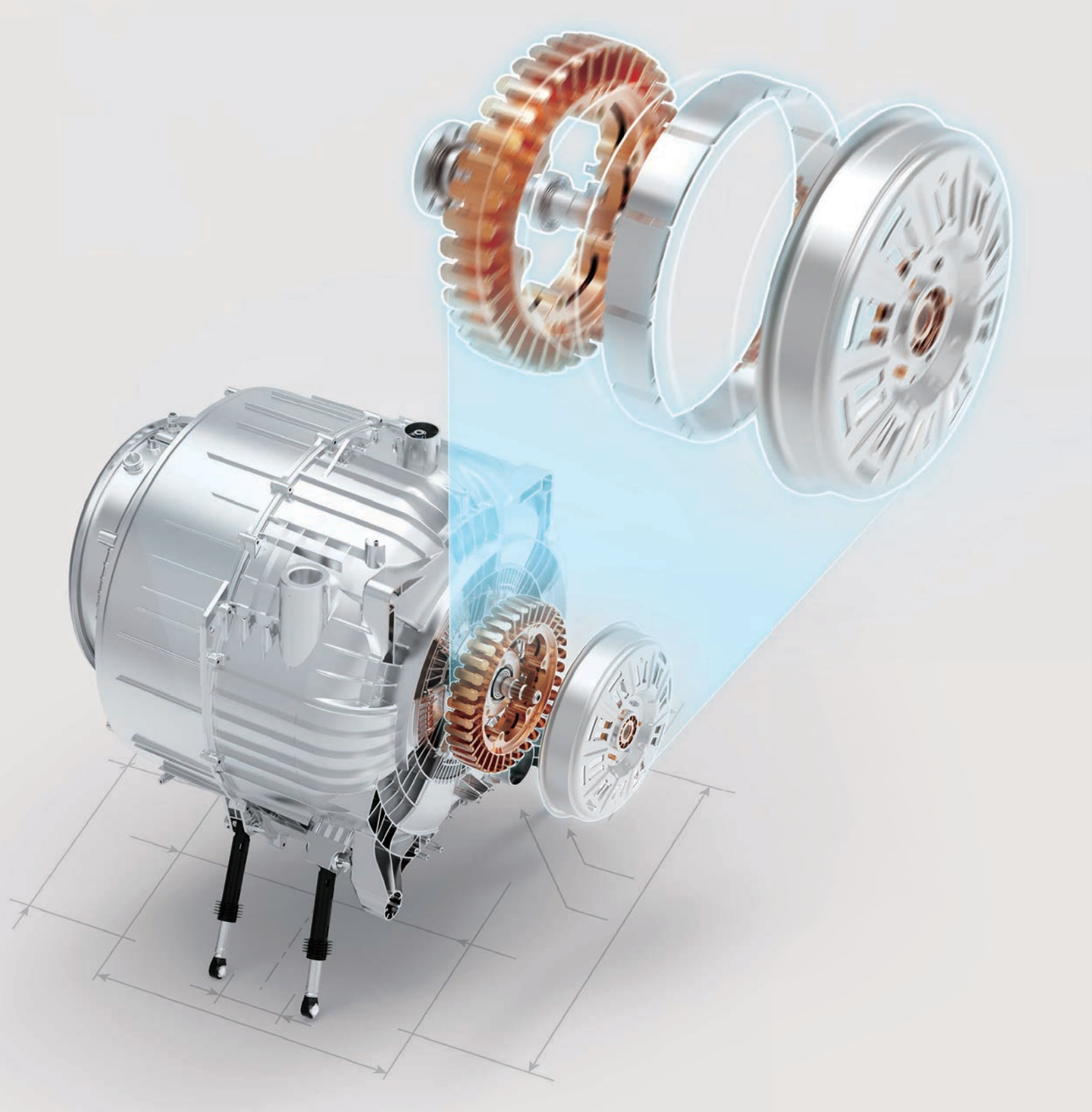
Easy Maintenance

We've added a removable Front Service Panel to access the washing machine quickly without having to uninstall them. The pump is positioned at the front for easy maintenance.

1) Noise level is lower than 62dB(Based on LG standard lab test).

What is ‘DD Motor’?

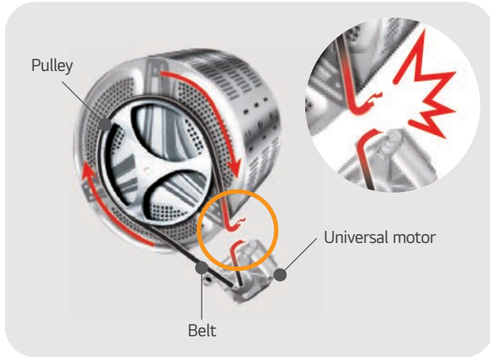
DD motor stands for “Direct Drive Motor,” which refers to a motor that is directly connected to a drum without a transmission device such as a gear or belt, like a traditional motor.
LG Electronics first commercialized DD motors in 1998 by applying them to washing machines, and has been continuously improving and developing them since then, and is currently applying a motor proven in the market to LG commercial washing machines for more than 20 years.



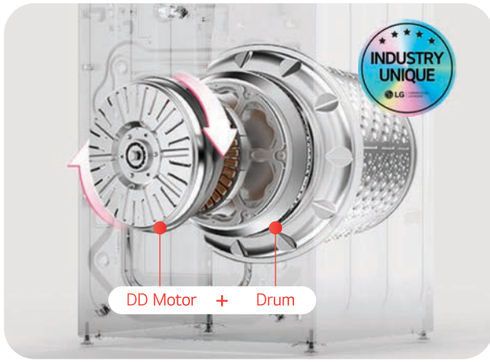
Durable and Simple

The Inverter Direct Drive™ drums on LG Commercial Laundry machines are directly attached to the motor, making it durable and reliable for years to come. LG guarantees 5 year warranty on direct driver motor.

Conventional



LG Commercial

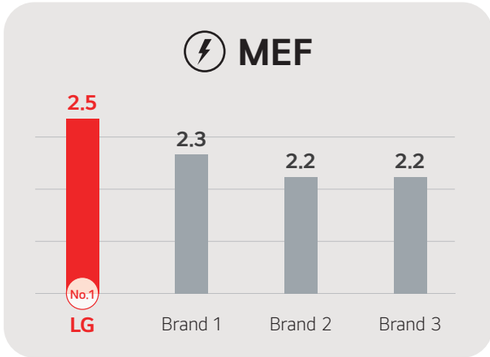


Multi Heat Treatment Shaft

Multi-heat treatment enhances durability and provides resistance against gradual wear.
LG commercial washing machines use a multi-heat-treated shaft to reinforce durability.

No. 1 Energy Saving

LG Commercial washers have been ranked No.1 on Energy Star. It is possible thanks to Inverter Direct Drive Motor which has 25.4% lower energy consumption rather than conventional belt pulley motor.

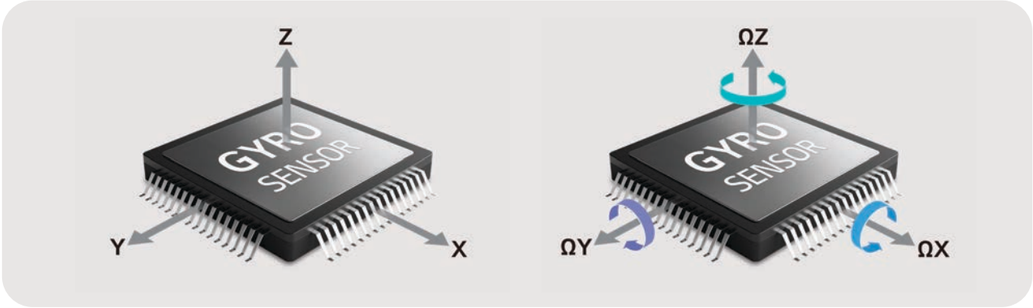


* MEF(Modified Energy Factor) : How many volume(cu. ft) of laundry can be washed and dried with on KWh of electricity. The information based on DOE and catalog data.

Gyro Balancing System

3D Gyro Sensor

The 3D vibration sensor monitors the vibrations of the washing machine in three dimensions, acceleration and angular speed of X, Y, and Z axes each. (X, Y, Z, ΩX, ΩY, ΩZ)
This provides a precise detection and comprehensive understanding of the movement of the drum during washing machine operation, especially for spin process.



Dual Spin Algorithm & Quattro Damping System

Dual Spin Algorithm has 2types of modes which are normal sensing mode and hyper sensing mode. You can choose optimal spin algorithm depends on installation environment, to keep low noise and low vibration.

With 4 of 80N fiction dampers, damping system absorbs tub's vibration and controls optimized tub movement.

Benefits of Gyro Balancing System

Time Saving
- High Accuracy
- 36mins On Time
- Fast Turnover

Stability
- Low vibration & Noise
- Extended Life of Parts and Machine

Efficiency
- Smooth Operation
- Remove useless movement

Easy Maitenance

Not only major technologies like DD motor and Gyro Balancing System,
but also LG Commercial Washing Machine is easy to service and maintenance.

Front SVC structure

Since both washing machines and dryers can be disassembled on the front of the product, most of services can be provided immediately in the installed state without the need to move the product.

Front Load

Top Load

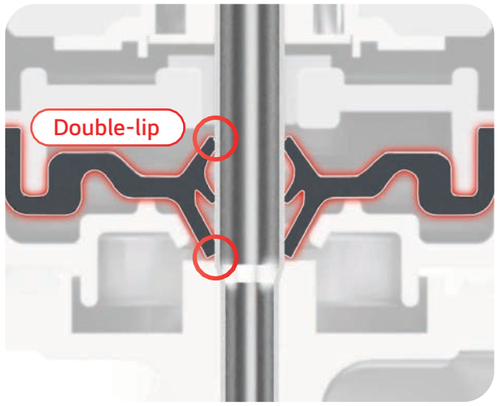
External Fuse

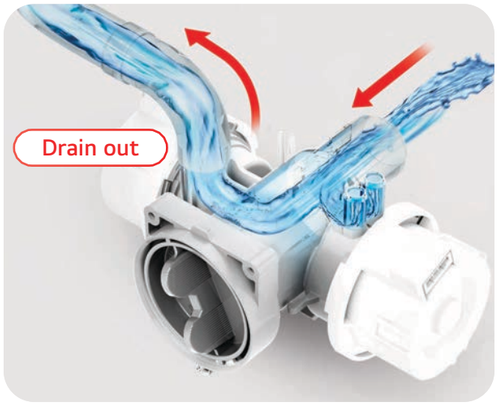
The fuse of Main PCB is in the outside of PCB and it's independent, so the fuse can be easily replaced without replacing the entire main PCB. This saves on repair time and costs.

BLDC Pump

The water-filled ratio of BLDC pump(Air cooling type) which has Double-lip structure is lower than AC pump(Water cooling type), it means BLDC pump's double lip shaft seal has high durability, because it prevents the foreign objects.
In addition, in terms of water flow, BLDC pump has 2x better performance compared with AC pump.

	Water-filled Ratio	Water Flow	Noise
AC Pump	80%	17 ℓ/min	50dB
BLDC Pump	5% ↓	34 ℓ/min	30dB ↓



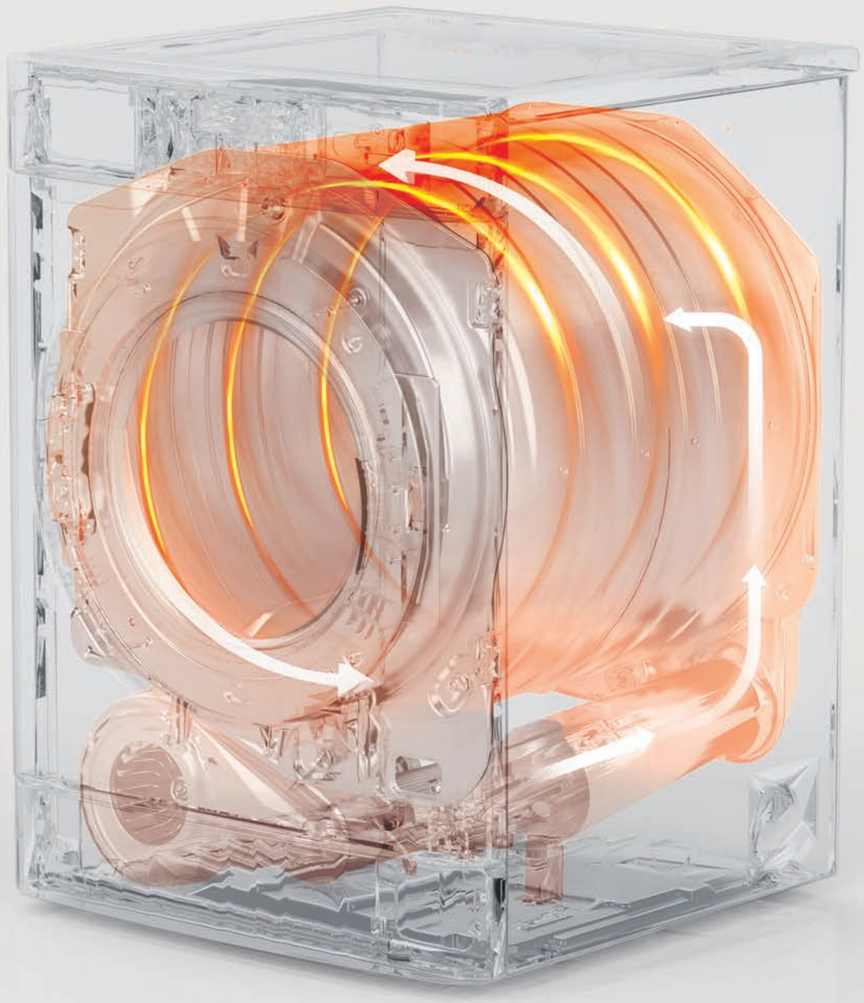


Intensive Tub Cleaning Cycle

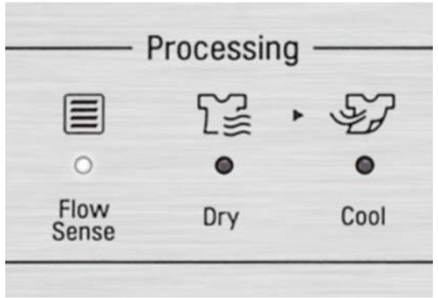
A dirty tub from hours of long operation can affect Washing performance and hygiene.
LG's exclusive, Intensive Clean Cycle sanitizes the tub by refilling and using the powerful wave force of water to get any residue off the tub surface, leaving the washer squeaky clean for the next user.

Ventilation Dryer

After washing cycle which is efficient and fast, optimized and hygienic drying cycle is possible with LG Commercial Dryer.



Optimized Temperature Control



A total of four temperature control sensors are equipped, Thermostat and Thermistor, automatically control the temperature to prevent the dryer from overheating and detect clogging of the duct & lint filter.

With the FlowSense duct clogging indicator, customer can know when it's time to clean the ducts & lint filter.

BLDC Motor *Light Titan-C Dryer Only

BLDC motor can control active airflow RPM according to the drying section and outlet temperature (3 Speeds), so it makes efficient drying performance*.

At the beginning of drying, a low RPM (1,750) is used to raise the drying temperature, and thereafter, the RPM is determined according to the outlet temp. (2,300 or 2,400)

BLDC Motor

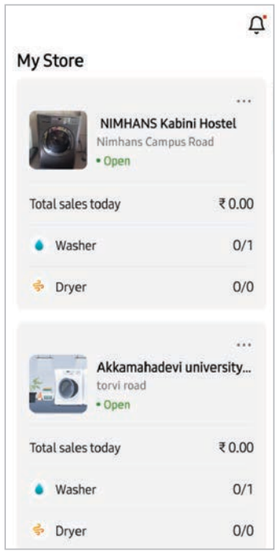
Hygiene

Hot temp. course raises the temperature up to 68℃. It is effective to remove bacteria, fungi, and virus when they are exposed over 58℃ for 30minutes.

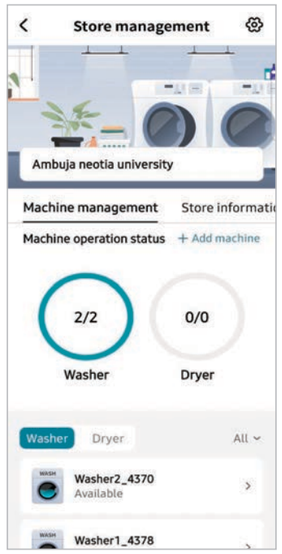
* Giant-C Electric Dryer
Tested by Intertek to remove 99.9% of bacteria on 'High Temp. cycle' of electric dryer for 40minutes.
Test bacteria : Pseudomonas aeruginosa, Escherichia coli, Klebsiella pneumoniae, and Staphylococcus aureus.
Test Load : IEC load, 3.75kg (Sheet 2ea, Pillowcases 6ea, Towels 19ea) Towel is used for weight correction.

LG Laundry Crew
Manager Mode

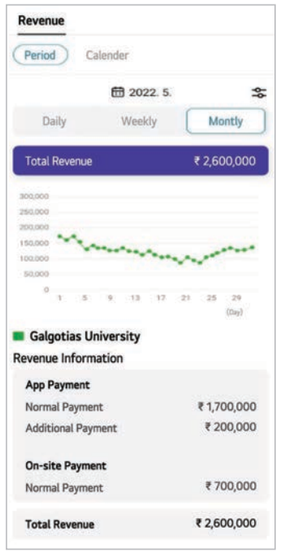
1 Real Time Shop Monitoring



2 Remote Control and Setting



3 Revenue Management



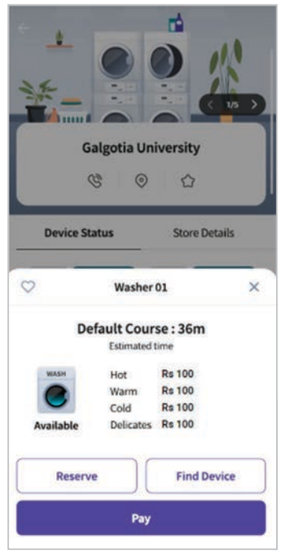
Manager Mode

Customer Mode

LG Laundry Crew
Customer Mode

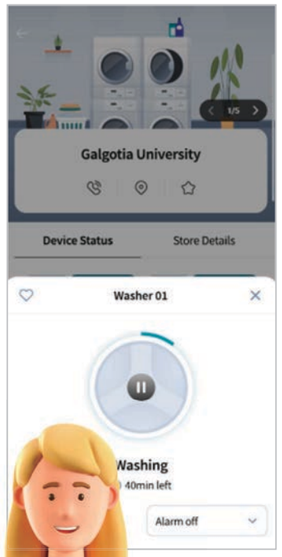
1 Find location and reservation

2 Visit and Mobile Payment



* Payment services are only available in some countries.

3 Laundry Status Monitoring



Reference

Laundromat

From start to success, LG delivers a complete laundry solution
with comprehensive support at every stage.

Reference

Multi-Housing

Enhance your space with LG solutions, offering versatile solutions designed to be effective anywhere, anytime.

Reference

OPL (On-Premise Laundry)

LG offers comprehensive laundry solutions that combine power and hygiene, helping your business maintain a pristine setting.

Giant Washer

		Non-Heater	Heater
CYLINDER			
Drum Volume	cu.ft (ft³)	3.7 (104.8)	3.7 (104.8)
Capacity	Kg	10.3~12.8	10.3
Diameter	in. (mm)	22.1 (560)	22.1 (560)
Depth	in. (mm)	16.5 (419.3)	16.5 (419.3)
Dimensions			
Product (WxHxD)	in	27 x 38.7 x 30.2	27 x 38.7 x 30.2
	mm	686 x 983 x 767	686 x 983 x 767
With Door Open	in. (mm)	50.8 (1,291)	50.8 (1,291)
Carton (WxHxD)	in	29.6 x 42.9 x 31.4	29.6 x 42.9 x 31.4
	mm	752 x 1,080 x 798	752 x 1,080 x 798
Weight (Product/Carton)	lb (kg)	196 (88.9) / 213 (96.5)	196 (88.9) / 213 (96.5)
SPEED[0)]			
Wash	RPM	40~50	40~50
Extract (Max RPM)	RPM	1,200	1,200
G-force	G	451	451
RATING[0)]			
Electric Ratings	V/Hz/A	100~120 / 50 or 60 / 4.2~5 (Heating 8.5~9.0)[1)]	-
		220~240 / 50 or 60 / 2.1~2.3 (Heating 8.4~9.6)[1)]	220~240 / 50 or 60 / 13.3~17.5
***Consumption index**[0)2)]			
Water[2)]	gal (l)	17~21(65~80)	16~18.5(60~70)
Electricity	kW/cycle	100~120 / 0.5 (Heating 0.85~1.0)[1)] 220~240 / 0.5(Heating 1.85~2.3)[1)]	3.6~3.8
NOISE & CYCLE TIME			
Noise Level (Sound Power)	dB	Lower than 62	Lower than 62
Program Duration in Minutes Default)[0)]	min	36	59 (60°C) Course[3)]
SYSTEM & CONTROL			
Inverter Direct Drive Motor		O	O
Heating Element	V/W	100~120 / 1,000[1)]	-
		220~240 / 2,000[1)]	220~240 / 3,200
Drain System		BLDC Pump Drain	BLDC Pump Drain
Auto Dosing Interface		O	O
Gyro Sensor		O	O
Damper		4 Friction Dampers	4 Friction Dampers
PROGRAMS			
Program List		Hot or Hygiene (Short Key)[4)] *Pre-Clean (Long Key)[5)]	90°C(194°F)
		Warm	75°C(167°F)
		Cold	60°C(140°F)
		Delicates	40°C(104°F)
		Add Super Wash (Card & Coin)/ Custom PGM (OPL)Custom PGM (OPL)	Cold(Short Key) *Custom PGM(Long Key)[6)]
EXTERNAL FINISH			
Drum		Stainless Steel	Stainless Steel
CIRCUIT PROTECTION			
PCB Fuse - Main Control Board	amps	12 (220~240V)	12 (220~240V)
PCB Fuse- Filter Assembly	amps	15	15

*Dimensions and weights are approximate. *Design, features, and specifications subject to change without notice.
*Some models may not be available for sale in certain countries. *Model name may vary by country
0) This specification is different by countries. For the most accurate information, please refer to service manual.
1) Only for Hygiene or tub clean cycle using heater.
2) Loads : IEC 6.5kg / Default water level (Non heater : high / Heater : Mid)
*The water consumption can be different according to load and water level because our product measure the water level frequency.
3) Washer detects water temperature and adjusts heating time automatically if hot water supply is available
4) If H4CS is dISb(disable), Hot cycle can be run. If H4CS is EnAb(enable), hygiene cycle can be run.
5) When you press button for 3 seconds, Hot or Hygiene cycle will be changed to Pre-Clean cycle. (If ItCL is EnAb(enable), Pre-Clean cycle can be run.)
6) When you press button for 3 seconds, Cold cycle will be changed to Custom PGM. (Cold for coin model, Custom PGM for OPL model)

Giant Dryer

		Gas	Electricity
CYLINDER			
Drum Volume	cu.ft (ft³)	7.3 (207)	7.3 (207)
Capacity	Kg	10.3~12.8	10.3
Diameter	in. (mm)	26.1 (663)	26.1 (663)
Depth	in. (mm)	22.5 (570.6)	22.5 (570.6)
Dimensions			
Product (WxHxD)	in	27 x 38.7 x 30.1	27 x 38.7 x 30.1
	mm	686 x 983 x 764	686 x 983 x 764
With Door Open	in. (mm)	49.8 (1,264)	49.8 (1,264)
Carton (WxHxD)	in	29.9 x 46.1 x 31.3	29.9 x 46.1 x 31.3
	mm	760 x 1,170x 795	760 x 1,170x 795
Weight (Product/Carton)	lb (kg)	130 (59) / 143 (65)	130 (59) / 143 (65)
RATING[0)]			
Electric Ratings	V/Hz/A	120/60/5	120 (240)/60/26
		220~240/50/2.4	220~240/50/22.5
		220/60/3	220/60/21
		-	240/50/19.5
***Consumption index**[0)2)]	kW	0.35	4.5~5.4[1)]
SYSTEM & CONTROL			
Heating Type		Gas (LNG/LPG)[2)]	Electric
Type of Drying		Ventilation	Ventilation
Air Flow	CFM	160	160
Motor	kW	0.25	0.25
Gas Ratings[0)]	kW/BTU	5.8/20,000	-
Heating Element	kW	-	5.4
Program Duration in Minutes (Default)[0)]	min	45 (NA) / 50 (EU) / 45 (Australia)	45 (NA)/50 (EU)/45 (Australia)
CONNECTIONS			
Air Outlet Diameter	in. (mm)	4 (100)	4 (100)
Exhaust Airflow Diameter	in. (mm)	4 (100)	4 (100)
PROGRAMS			
Program List		High Temp	High Temp
		Med Temp	Med Temp
		Low Temp	Low Temp
		No Heat	No Heat
EXTERNAL FINISH			
Drum		Alcosta	Alcosta

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0) This specification is different by countries. For the most accurate information, please refer to service manual.
1) 4,500W for some countries due to power limitation (e.g. Australia).
2) Gas type depends on country sales model.

Titan Washer

		Non-Heater	Heater
CYLINDER			
Drum Volume	cu.ft (ℓ)	5.2 (147)	5.2 (147)
Diameter	in. (mm)	24 (610.8)	24 (610.8)
Depth	in. (mm)	20.4 (518.1)	20.4 (518.1)
Dimensions			
Product (WxHxD)	in	29 x 40.8 x 32	29 x 40.8 x 32
	mm	737 x 1,036 x 814	737 x 1,036 x 814
With Door Open	in. (mm)	53 (1,370)	53 (1,370)
Carton (WxHxD)	in	31 x 44.3 x 33.3	31 x 44.3 x 33.3
	mm	788 x 1,125x 846	788 x 1,125x 846
Weight (Product/Carton)	lb (kg)	221.8 (100.6) / 248 (112.5)	221.8 (100.6) / 248 (112.5)
SPEED[0)]			
Wash	RPM	46	46
Extract (High Speed)	RPM	1,000	1,000
G-force	G	342	342
RATING[0)]			
Electric Ratings	V/Hz/A	100~120 / 50 or 60 / 4.2~5 (Heating 8.5~9.0)[1)]	-
		220~240 / 50 or 60 / 2.1~2.3 (Heating 9.1~10)[1)]	220~240 / 50 or 60 / 13.3~17.5
***Consumption index**[0)2)]			
Water	gal (l)	18.5~22.5(70~85)[4)]	18.5~21(70~80)[4)]
Electricity	V/kW	100~120 / 0.5(Heating 0.85~1.0)[1)] 220~240 / 0.5(Heating 2.0~2.4)[1)]	220~240 / 3.2~3.8
NOISE & CYCLE TIME			
Noise Level (Sound Power)	dB	62	62
Program Duration in Minutes Default)[0)]	min	36	59 (60℃ Course)
SYSTEM & CONTROL			
Inverter Direct Drive Motor		O	O
Heating Element	V/W	100~120 / 1,000[1)]	-
		220~240 / 2,000[1)]	220~240 / 3,200
Drain System		BLDC Pump Drain	BLDC Pump Drain
Auto Dosing Interface		O	O
Gyro Sensor		O	O
Damper		4 Friction Dampers	4 Friction Dampers
PROGRAMS[0)]			
Program List		Hot*	75°C
		Warm*	60°C
		Cold*	40°C/30°C
		Delicates*	Cold
		Add Super Wash (Card & Coin)/ 20 Custom PGM (OPL)	* Custom PGM[3)]
EXTERNAL FINISH			
Drum		Stainless Steel	Stainless Steel
CIRCUIT PROTECTION			
PCB Fuse - Main Control Board	amps	12 (220~240V)	12 (220~240V)
PCB Fuse- Filter Assembly	amps	15	15

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*Some models may not be available for sale in certain countries. *Model name may vary by country
*Energy Course available
0) This specification is different by countries. For the most accurate information, please refer to service manual.
1) Only fo tub clean cycle using heater.
2) Based on DOE J2/J1 testing.
3) When you press button for 3 seconds, Cold cycle will be changed to Custom PGM. (Cold for coin model, Custom PGM for OPL model)
4) Loads : IEC 6.5kg / Default water level (Non heater : high / Heater : Mid) *The water consumption can be different according to load and water level because our product measure the water level frequency.

Titan Dryer

		Gas	Electricity
CYLINDER			
Drum Volume	cu.ft (ℓ)	9.0 (254)	9.0 (254)
Diameter	in. (mm)	28.2 (716)	28.2 (716)
Depth	in. (mm)	24.2 (614)	24.2 (614)
Dimensions			
Product (WxHxD)	in	29 x 40.2 x 31.9	29 x 40.2 x 31.9
	mm	737 x 1,022 x 810	737 x 1,022 x 810
With Door Open	in. (mm)	53.2 (1,350)	53.2 (1,350)
Carton (WxHxD)	in	31.5 x 45.6 x33.8	31.5 x 45.6 x33.8
	mm	800 x 1158 x 858	800 x 1158 x 858
Weight (Product/Carton)	lb (kg)	150 (68.2) / 167.1 (75.8)	150 (68.2) / 167.1 (75.8)
RATING[0)]			
Electric Ratings	V/Hz/A	120/60/5	120 (240)/60/26
		220~240/50/2.4	220~240/50/22.5
		220/60/3	220/60/21
		-	240/50/19.5
Consumption index[0)]			
Electricity	kW	0.35	4.5 ~ 5.4
SYSTEM & CONTROL			
Heating Type		Gas (LNG/LPG)[1)]	Electric
Type of Drying		Ventilation	Ventilation
Air Flow	CFM	210	210
Gas Ratings[0)]	kW/BTU	7.4 / 25,000	-
Motor	kW	0.33	0.33
Program Duratin in Minutes (Default)[0)]	min	40	40
CONNECTIONS			
Air Outlet Diameter	in. (mm)	4 (100)	4 (100)
Exhaust Airflow Diameter	in. (mm)	4 (100)	4 (100)
PROGRAMS			
Program List		High Temp	High Temp
		Med Temp	Med Temp
		Low Temp	Low Temp
		No Heat	No Heat
EXTERNAL FINISH			
Drum		Stainless Steel	Stainless Steel

*Dimensions and weights are approximate. *Design, features, and specifications subject to change without notice.
*Some models may not be available for sale in certain countries. *Model name may vary by country
0) This specification is different by countries. For the most accurate information, please refer to service manual.
1) Gas type depends on country sales model.

Tethys-C Washer

		Coin	Card
CYLINDER			
Drum Volume	cu.ft (l)	3.65 (103.4)	
Diameter	in. (mm)	21.6 (54.8)	
Depth	in. (mm)	15.4 (391.8)	
Dimensions			
Product (WxHxD)	in	27 x 41.1 x 28.4	
	mm	686 x 1045 x 721	
Carton (WxHxD)	in	29.1 x 43.7 x 30.9	
	mm	740 x 1110 x 785	
Weight (Product/Carton)	lb	121 / 134	
	kg	55 / 61	
SPEED			
Wash	RPM	Motor : 0~532, Pulsator : 0~140	
Extract (High Speed)	RPM	720	
RATING[0)]			
Electric Ratings	V/Hz/A	100~120 / 50 or 60 / 2.7~3	
***Consumption index[0)]**			
Water	gal (l)	DOE Max 25.1 (95)	
Electricity	kW/hour	100~120V / 0.2	
NOISE & CYCLE TIME			
Noise Level (Sound Power)	dB	Lower than 60	
Program Duration in Minutes (Default)[0)]	min	29	
SYSTEM & CONTROL			
Inverter Direct Drive Motor		O	
Drain System		BLDC Pump Drain	
Gyro Sensor		O	
Damper		4 Horizontal Friction Dampers	
PROGRAMS[0)]			
Program List		Hot / Warm / Cold	
		Normal ECO Delicates (Long Key)[5)]	
		Add Deep Rinse / Custom PGM (OPL) (Long Key)[5)]	
EXTERNAL FINISH			
Drum		Stainless Steel	
CIRCUIT PROTECTION			
PCB Fuse - Main Control Board	amps	8 (250V)	
PCB Fuse - Filter Assembly	amps	8 (250V)	

*Dimensions and weights are approximate. *Design, features, and specifications subject to change without notice. *Some models may not be available for sale in certain countries. *Model name may vary by country 0) This specification is different by countries. For the most accurate information, please refer to service manual.