



LA-45-60-120 HIGH SPIN

G FORCE = 450 | 45 - 60 kg | **G FORCE = 350** | 120 kg

MAXIMUM EFFECTIVENESS,
ENERGY SAVING AND RESPECT FOR THE ENVIRONMENT



CHARACTERISTICS

- G Force = 450 (45 and 60 kg models).
- G Force = 350 (45 and 120 kg models).
- Drum and jacket in AISI-304 stainless steel.
- Unit exterior manufactured in sandwich board, colour grey, stainless steel appearance, easy to clean, and which does not reflect fingerprints (45 and 60 kg models).
- Unit exterior manufactured in AISI-304 stainless steel in the 120 kg model.
- Detergent dispenser with 5 compartments.
- 8 signals for automatic liquid dosing, programmable in time and delay, 6 extra signals available optionally.
- 3 standard water inlets.
- Variable-frequency drive (standard 50-60 Hz). Balancing systems controlled by the same drive.
- **New second-generation TOUCH PLUS programmer with 7" touch screen in colour**, 37 available languages and which lets you create an indefinite number of programs (29 pre-set), as well as play videos.
- Allows programming, importing and exporting of programs and software updates via USB.
- Traceability as standard: the whole wash process (temperatures, water levels) is stored on the washer and is extractable to a PC by USB memory.
- The programmer includes the characteristics to create any Wet Cleaning program (modifiable water levels and washing speed).
- **EFFICIENT MIX.** Equipped with an automatic mixing system of water at different temperatures; all the washers provide energy savings and reduce washing times.
- **BALANCE CONTROL.** Thanks to an advanced technological development, and by means of the inverter, the washers detect the imbalance at an early stage. This way the operation is much smoother, elongating components lifetime and reducing washing times, thus saving energy as well.
- **MULTICHOICE INLET.** All washers are equipped with a third water inlet as standard, which allows you to save filling time, or which can be used for decalcified water, ozone or recycled water.
- **WET CLEANING.** All washers incorporate the necessary features to use the WET CLEANING system as standard, avoiding investment in expensive applications to work with this advanced washing concept. This feature replaces most dry-cleaning washing systems, bringing maximum reduction in costs.
- **MAINTENANCE KARE.** A simple and reliable design with easy-to-access mechanical parts that combines perfectly with the use of intelligent electronics. All components have been designed and manufactured with top quality and prestige, focusing on optimum accessibility for all points and components key to maintenance. Moreover, all the controls have been developed down to the finest detail: complete technical menus, fault self-diagnosis systems, alarms, restricted access areas, etc.
- **OPTIMISED DRUM.** This system has been developed to improve wash quality to the maximum and to do it in as short a time as possible. Through a series of perforations in the paddles of the drum, a water cascade effect is achieved which considerably increases the mechanical action inside the drum during operation and greatly reduces the amount of water needed for each wash. The effective design of the drum and tank with minimal spaces between them, allows the energy consumption necessary to heat the water, as well as the superfluous use of chemical products, to be reduced.
- **OPTIMAL CONSUMPTION.** All washers are equipped with an efficient system by means of which you can indicate the load which is introduced in the machine. The washer automatically adapts the quantity of water and chemicals to be used for that load.
- **"LOADING AID"** system. Water inlet and spin control for loading the linen.
- **CE, WRAS and EAC product certifications.** Optional ETL-certified version of the machine.

OPTIONS:

- Unit exterior in AISI-304 stainless steel.
- Front panels in AISI-304 stainless steel.
- Double drain kit to recover the water, with important savings.
- NC Option: drain normally closed (in 45 and 60 kg models).
- Reversible door opening.
- 6 extra signals for dosing.
- **AUTO WEIGHT** Automatic linen weighing system. Up to 30% savings. (Automatic adjustment of water and soap consumptions as well as energy savings, according to the load inserted, measured automatically by the washer).
- Timed opening system.
- Printer.
- Marine electric versions for ships.
- Tropicalised models with protective covering for the electronics system.
- Shower system: water recirculation for very delicate linen (wet cleaning complement).
- Tilt system - forwards and backwards for easy loading and unloading of linen.
- Weight detection system in the feet (not compatible with tilt system).
- Double heating, electric + steam in 45 and 60 kg models.
- Water inlet pipe for 45 and 60 kg models.
- Bottom plinth for 45 and 60 kg models.

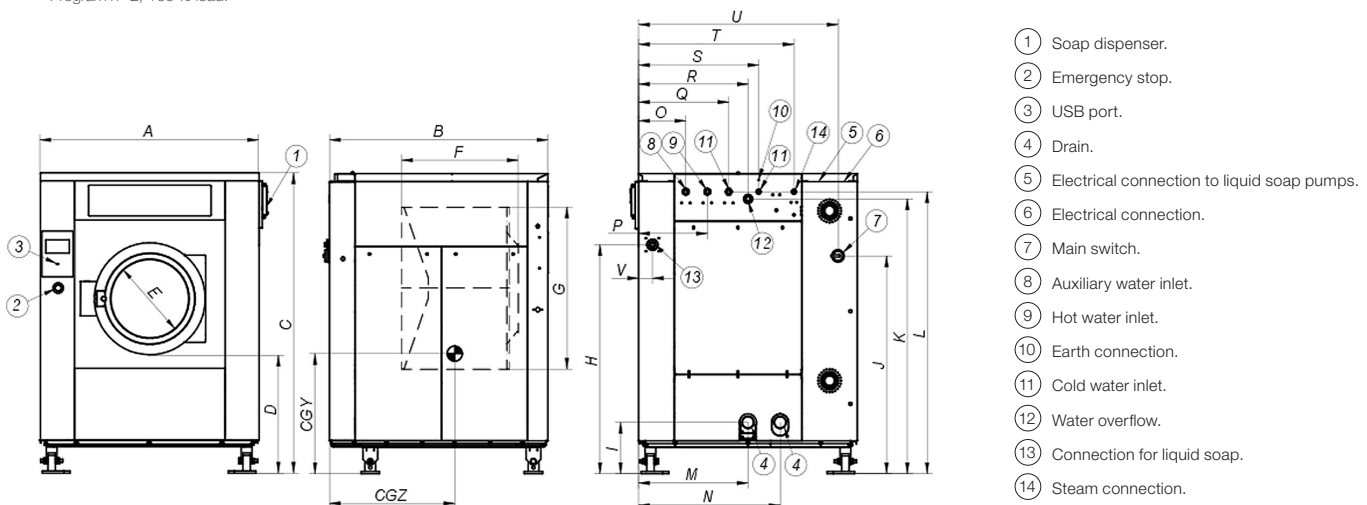
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TECHNICAL DATA

	UNIT.	LA-45 TP2	LA-60 TP2	LA-120 TP2				
DRUM								
Load capacity 1:9 / 1:10	kg	50/45	67/60	133/120				
Volume	Lit	450	600	1200				
Diameter	mm	918	1048	1360				
Depth	mm	720	684	840				
GENERAL DATA								
Wash speed / Spin speed	r.p.m.	42,5	38	34				
G Force	r.p.m.	934	875	678				
Maximum force transmitted	-	450	450	350				
Dynamic force frequency	kN	11.23 ±3.15	12.95 ±4.2	37.77 ±5.25				
Noise level	Hz	14.1	12.66	11.33				
Self-service version	dB	< 70	< 70	< 70				
Double drain	-	Opt.	Opt.	Opt.				
Weighing system	-	Opt.	Opt.	Opt.				
DOOR								
Height door centre / Height door base	mm	1,190 / 830	1,190 / 830	1,330 / 900				
Diameter	mm	560	560	700				
POWER								
Motor	kW	7.5	11	15				
Heating electric mod.	kW	28.8	36	No				
Maximum electrical power	kW	31.3	40	No				
Maximum steam and hot water power	kW	7.5	11	15				
CONNECTIONS								
		ELECTRIC	HOT WATER	STEAM	ELECTRIC	HOT WATER	STEAM	STEAM / HOT WATER
Voltage 230V- III + T	Nº x mm² / A	4 x 25 / 80 A	4 x 4 / 32 A	4 x 2.5 / 20 A	4 x 25 / 100 A	4 x 6 / 40 A	4 x 4 / 32 A	4 x 10 / 50 A
Voltage 400V- III + N + T	Nº x mm² / A	5 x 10 / 50 A	5 x 2.5 / 20 A	5 x 1.5 / 16 A	5 x 16 / 63 A	5 x 4 / 25 A	5 x 2.5 / 20 A	5 x 4 / 32 A
Steam input (Steam mod.)	inch		3/4"			3/4"		1-1/4"
Maximum steam consumption (Steam mod.)	kg/h		19			21		26,5
Water inlet	inch		1"			1"		1-1/2"
Grid pressure	kg/cm²		2-4			2-4		2-4
Maximum water consumption *	Lit/h		473			633		1,254
Drain	mm/inch		3"			3"		4"
Drainage capacity	Lit/min		200			200		500
DIMENSIONS / DIMENSIONS WITH PACKAGING								
Width / Width	mm	1,428/1,600	1,428/1,600	1,780/1,940				
Depth / Depth	mm	1,428/1,620	1,428/1,620	1,715/1,980				
Height / Height	mm	1,910/2,000	1,910/2,000	2,240/2,280				
Net weight / Gross weight	kg	1,350/1,420	1,400/1,520	3,950/4,100				
Gross volume (with packaging)	m³	4.79	4.79	8.44				

* Program n° 2, 100 % load.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	CGY	CGZ
LA-45 TP2	1,427	1,426	1,945	747	560	760	920	1,484	333	1,411	1,780	1,827	714	924	309	449	589	715	784	1,014	1,302	93	625	943
LA-60 TP2	1,427	1,426	1,945	747	560	760	1,050	1,484	333	1,411	1,780	1,827	714	924	309	449	589	715	784	1,014	1,302	93	644	972
LA-120 TP2	1,780	1,775	2,245	900	700	960	1,360	1,745	336	1,520	1,989	2,115	684	1,100	450	590	730	910	950	1,195	1,628	251	853	1,104