



# FWR - 25-30-40 TP2 FAST SPIN

**G FORCE = 300** | 25 - 30 - 40 lbs

MAXIMUM PERFORMANCE



## CHARACTERISTICS

- **G Force = 300**
- Hard-mounted machines. Require anchoring to the floor.
- 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.
- Detergent tray with 4 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.** These machines are equipped with an automatic water mixer (mixing different water temperatures) which provides energy savings and reduces 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..
- Washers compatible with water recovery tanks.

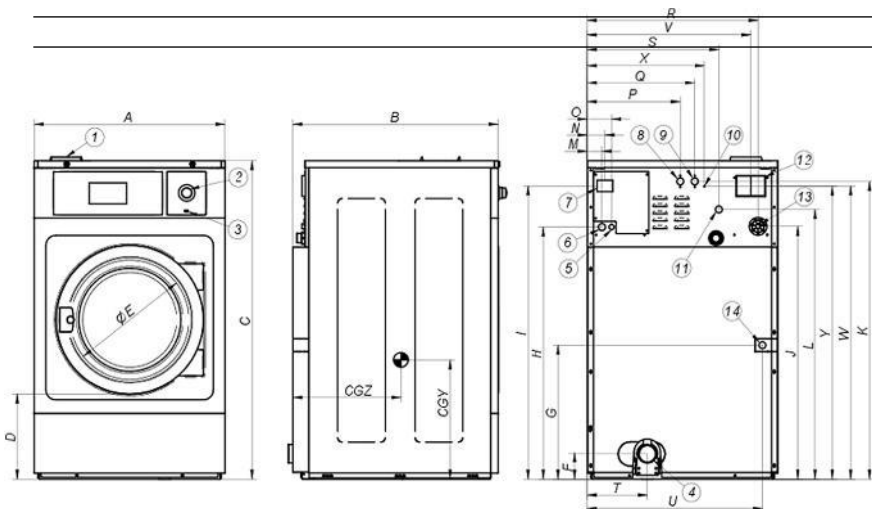
### OPTIONS:

- Anchoring base as an option for correct fixation to the floor.
- 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.
- Reversible door opening.
- Silicone seal for 25 and 30 kg models.
- 6 extra signals for dosing
- 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).

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TECHNICAL DATA

	UNIT.	FWR 25 TP2	FWR 30 TP2	FWR 40 TP2			
<b>DRUM</b>							
Load capacity 1:9 / 1:10	IB	24/22	31/29	44/42			
Volume	CU.FT	3.5	4.6	6			
Diameter	in	24.4	24.4	27.55			
Depth	in	13	16.92	18.50			
<b>GENERAL DATA</b>							
Wash speed / Spin speed	r.p.m.	53 / 759	53 / 759	45/874			
G Force	-	300	300	300			
Maximum force transmitted	KN	2.0 ±3	2.31 ±4	2.77 ±8			
Dynamic force frequency	Hz	8.93	8.93	12			
Noise level	dB	<70	<70	<70			
Self-service version	-	Yes	Yes	Yes			
Double drain	-	No	Opt.	Opt.			
Weighing system	-	No	No	No			
SLUICE option	-	Yes	Yes	Yes			
<b>DOOR</b>							
Height door centre / Height door base	in	22 / 12.2	22.44 / 12.2	25.78/13.70			
Diameter	in	14.68	14.68	18.11			
<b>POWER</b>							
Motor	Hp	1.48	1.48	2.9			
Heating electric mod.	kW	6	9	12			
Maximum electrical power	kW	6.25	9.5	12.75			
Maximum steam and hot water power	kW	1.1	1.1	2.2			
<b>CONNECTIONS</b>							
		<b>ELECTRIC</b>	<b>STEAM / HOT WATER</b>	<b>ELECTRIC</b>	<b>STEAM / HOT WATER</b>	<b>ELECTRIC</b>	<b>STEAM / HOT WATER</b>
Voltage 230V - I + N	N° x mm <sup>2</sup> / A	3x6 - 40 A	3x1.5 - 16 A	3x10 - 50 A	3x1.5 - 16 A	3x16 - 63 A	3x4 - 32 A
Voltage 230V - III	N° x mm <sup>2</sup> / A	4x2.5 - 20 A	-	4x2.5 - 20 A	-	4X6 - 40 A	-
Voltage 400V - III + N	N° x mm <sup>2</sup> / A	5x1.5 - 16 A	-	5x1.5 - 16 A	-	5x4 - 32 A	-
Steam inlet (Steam mod.)	inch		1/2"		1/2"		1/2"
Maximum steam consumption (Steam, mod.)	lbs/h		15.5		18.8		26.5
Water inlet	inch		3/4"		3/4"		3/4"
Grid pressure	kg/cm <sup>2</sup>		2-4		2-4		2-4
Maximum water consumption *	Gal/h		16.24		20.81		26.5
Drain	mm/inch		3"		3"		3"
Drainage capacity	gal/min		52.8		52.8		52.8
<b>DIMENSIONS / DIMENSIONS WITH PACKAGING</b>							
Width / Width	in	28.3 / 31.5		28.5 / 31.5		31 / 33	
Depth / Depth	in	26.9 / 39		32.67 / 39		33 / 39.76	
Height / Height	in	45.54 / 53.14		45.59 / 53.14		51.45 / 59	
Net weight / Gross weight	lb	478 / 496		526 / 545		620 / 664	
Gross volume (with packaging)	ft3	37.8		37.8		46	



- Soap dispenser.
- Emergency stop.
- JSB port.
- Drain.
- Electrical connection to liquid soap pumps.
- Electrical connection.
- Main switch.
- Auxiliary water inlet.
- Hot water inlet.
- Earth connection.
- Cold water inlet.
- Water overflow.
- Connection for liquid soap.
- Steam connection.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	CGY	CGZ
<b>FWR-25TP2</b>	28,31	26,93	45,59	12,20	14,69	5,67	17,32	34,88	41,50	35,00	42,24	37,72	2,40	2,91	3,98	12,44	14,80	25,08	18,70	8,31	25,75	23,90	42,24	16,69	44,02	15,08	20,12
<b>FWR-30TP2</b>	28,31	32,68	45,59	12,20	14,69	5,67	17,32	34,88	41,50	35,00	42,24	37,72	2,40	2,91	3,98	12,44	14,80	25,08	18,70	8,31	25,75	23,90	42,24	16,69	44,02	15,08	20,12
<b>FWR-40 TP2</b>	31,02	33,07	51,46	13,70	18,11	4,25	21,73	40,75	47,36	40,87	48,11	43,58	2,40	2,91	3,98	15,16	17,52	27,80	21,42	9,80	28,50	26,61	47,36	19,09	47,32	18,86	21,50



# FWR-60 TP2 FAST SPIN

**G FORCE = 300** | 60 lbs

MAXIMUM PERFORMANCE



## CHARACTERISTICS

- **G Force = 300.**
- Hard-mounted machines. Require anchoring to the floor.
- 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.
- Detergent tray with 4 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.** These machines are equipped with an automatic water mixer (mixing different water temperatures) which provides energy savings and reduces 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.
- Washers compatible with water recovery tanks.

### OPTIONS:

- Anchoring base as an option for correct fixation to the floor.
- 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.
- Reversible door opening.
- 6 extra signals for dosing
- 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).

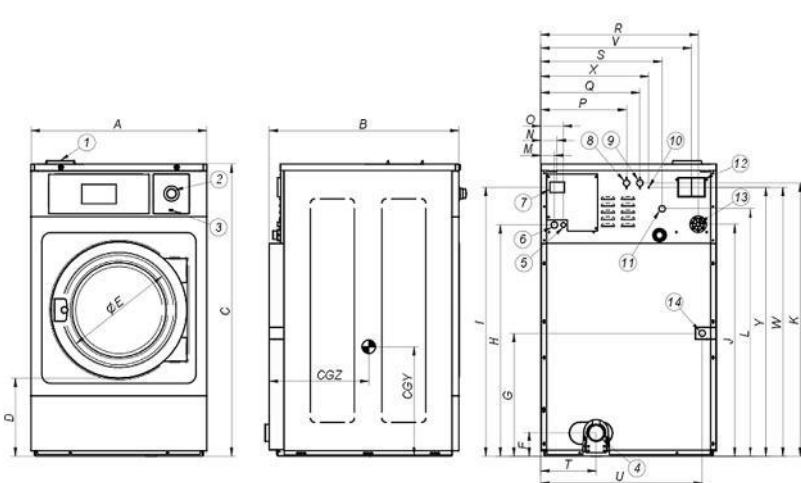


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TECHNICAL DATA

	UNIT.	FWR-60 TP2	
<b>DRUM</b>			
Capacidad de carga 1:9 / 1:10	lb	61/55	
Volumen	CU.FT	9	
Diámetro	in	30-31	
Profundidad	in	20.87	
<b>GENERAL DATA</b>			
Wash speed / Spin speed	r.p.m.	40/836	
G Force	-	300	
Maximum force transmitted	kN	3.96 ±10	
Dynamic force frequency	Hz	11,5	
Noise level	dB	< 70	
Self-service version	-	Yes	
Double drain	-	Opt.	
Weighing system	-	No	
<b>DOOR</b>			
Height door centre / Height door base	in	27.56 / 15.75	
Diameter	in	460	
<b>POWER</b>			
Motor	Hp	4	
Heating electric mod.	kW	18	
Maximum electrical power	kW	19	
Maximum steam and hot water power	kW	3	
<b>CONNECTIONS</b>			
Voltage 230V - I + N	Nº x mm <sup>2</sup> / A	-	<b>STEAM / HOT WATER</b> 3 x 4 / 32 A
Voltage 230V - III	Nº x mm <sup>2</sup> / A	4 x 16 / 63 A	-
Voltage 400V - III + N	Nº x mm <sup>2</sup> / A	5 x 4 / 32 A	-
Steam inlet (Steam mod.)	inch	3/4"	
Maximum steam consumption (Steam, mod.)	lbs/h	33	
Water inlet	inch	3/4"	
Grid pressure	kg/cm <sup>2</sup>	2-4	
Maximum water consumption *	Gal/h	46.52	
Drain	mm/inch	3"	
Drainage capacity	gal/min	52.8	
<b>DIMENSIONS / DIMENSIONS WITH PACKAGING</b>			
Width / Width	in	34.80 / 36.62	
Depth / Depth	in	39.80 / 45.28	
Height / Height	in	52.76 / 59.98	
Net weight / Gross weight	lb	749 / 816	
Gross volume (with packaging)	fit3	56.5	

\* Program n° 20, 75 % load.



- ① Soap dispenser.
- ② Emergency stop.
- ③ USB port.
- ④ Drain.
- ⑤ Electrical connection to liquid soap pumps.
- ⑥ Electrical connection.
- ⑦ Main switch.
- ⑧ Auxiliary water inlet.
- ⑨ Hot water inlet.
- ⑩ Earth connection.
- ⑪ Cold water inlet.
- ⑫ Water overflow.
- ⑬ Connection for liquid soap.
- ⑭ Steam connection.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	CGZ	CGZ
FWR-60 TP2	34,80	37,99	52,76	15,75	18,11	5,71	21,57	41,85	48,43	41,93	49,21	44,69	2,40	2,91	3,98	16,85	20,00	31,54	25,16	10,55	32,28	30,35	48,03	23,62	50,39	23,27	21,38