



# FWH-135C-180C TP2 HIGH SPIN

G FORCE = 450

MAXIMUM EFFECTIVENESS,  
ENERGY SAVING AND RESPECT FOR THE ENVIRONMENT



## CHARACTERISTICS

- G Force = 450
- 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 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.

### 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.
- 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.
- Water inlet pipe
- Bottom plinth

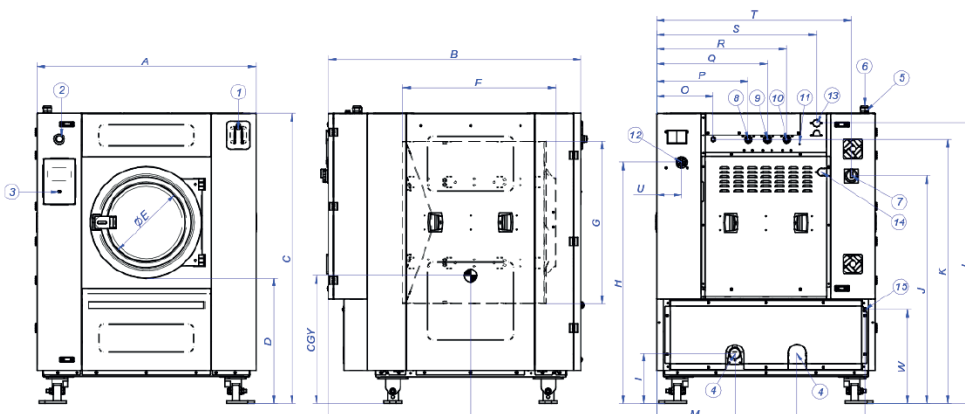
[www.fagorcommercial.com](http://www.fagorcommercial.com)



TECHNICAL DATA

	UNIT.	FWH - 135 TP2			FWH - 180 TP2		
<b>DRUM</b>							
Load capacity 1:9 / 1:10	lb	143.3/130.1			187.4/169.8		
Volume	CU.FT	20.8			27.2		
Diameter	in	41.25			41,25		
Depth	in	26.8			35,11		
<b>GENERAL DATA</b>							
Wash speed / Spin speed	r.p.m.	38			38		
G Force	r.p.m.	450			450		
Maximum force transmitted	KN	18 ±4,2			23 ±4,8		
Dynamic force frequency	Hz	12,66			12,66		
Noise level	dB	< 70			<70		
Self-service version	-	No			No		
Double drain	-	Opt.			Opt.		
Weighing system	-	Opt.			Opt.		
<b>DOOR</b>							
Height door centre / Height door base	in	46.1/31.9			46.1/31.9		
Diameter	in	22,1			22,1		
<b>POWER</b>							
Motor	Hp	20,1			20,1		
Heating electric mod.	kW	36			48		
Maximum electrical power	kW	39			51		
Maximum steam and hot water power	kW	15			15		
<b>CONNECTIONS</b>							
		ELECTRIC	HOT WATER	STEAM	ELECTRIC	HOT WATER	STEAM
Voltage 230V- 3 PH + G	Nº x mm² / A	3 x 25 / 100A	3 x 10 / 50A	3 x 10 / 50A	3 x 50 / 160A	3 x 10 / 50A	3 x 10 / 50A
Voltage 440V- 3 PH + N + G	Nº x mm² / A	4 x 16 / 63A	4 x 10 / 50A	4 x 10 / 50A	4 x 25 / 80A	4 x 10 / 50A	4 x 10 / 50A
Steam input (Steam mod.)	inch	3/4"			3/4"		
Maximum steam consumption (Steam mod.)	lbs/h	46.3			55,1		
Water inlet	inch	1"			1"		
Grid pressure	kg/cm²	2-4			2-4		
Maximum water consumption *	Gal/h	1,58			1,58		
Drain	mm/inch	3"			3"		
Drainage capacity	gal/min	52.8			52,8		
<b>DIMENSIONS / DIMENSIONS WITH PACKAGING</b>							
Width / Width	in	55,9 / 63			55,9 / 63		
Depth / Depth	in	56.41 / 62.79			64,7 / 71,06		
Height / Height	in	74.01 / 75.98			74.01 / 75.98		
Net weight / Gross weight	lb	3637 / 3968			3968 / 4409		
Gross volume (with packaging)	ft3	173,04			197,76		

\* Program n° 2, 100 % load.



- 1- SOAP DISPENSER
- 2- EMERGENCY STOP
- 3- USB PORT
- 4- DRAIN
- 5- ELECTRIC CONNECTION TO LIQUID SOAP PUMPS
- 6- ELECTRICAL CONNECTION
- 7- MAIN SWITCH
- 8- AUXILIAR WATER INLET
- 9- HOT WATER INLET
- 10- EQUIPOTENTIAL CONNECTION
- 11- COLD WATER INLET
- 12- STEAM OUTPUT
- 13- LIQUID SOAP CONNECTION
- 14- STEAM CONNECTION
- 15- AIR INTAKE
- 16- ETHERNET PORT

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	CGY	CGZ
FWH-135TP2	55,9	56.41	74,01	31,88	22,04	29,92	41,33	61,53	12,71	58,07	67,32	71,53	20	35,9	14,44	23,42	28,34	33,26	40,94	49,88	6,29	53,26	23,93	32,67	32,28
FWH-180TP2	55,9	64.76	74,01	31,88	22,04	38,26	41,33	61,53	12,71	58,07	67,32	71,53	20	35,9	14,44	23,42	28,34	28,34	40,94	49,88	6,29	53,26	23,93	32,67	36,41