

Applicable to models:**Serial no.**

HS-4007	800001
HS-4012	810001
HS-4022	830001
HS-4040	850001
HS-4055	860001
HS-4110	870001

H2018	1210001
H2030	1250001
H2055	1300001
H2090	1310001
H2130	1320001
H2255	1330001

New series of washer extractors HS-4000, with GDRIVE

The *GDRIVE* concept is an efficient software tool capable of providing absolute control over the washing machine while it is connected to the mains supply regardless of the working phase it is doing.

The inclusion of the *GDRIVE* in the 4000 series means the units operate with only one motor instead of three conventional motors.

The *GDRIVE*, incorporated in the new GIRBAU HS-4000 washer extractors, automatically adjusts to the power supply (voltage and frequency) within its range.

GIRBAU has achieved to design and manufacture a machine, which will analyse at any time its own operation, protecting itself against the possible internal and external effects.

The *GDRIVE* incorporates low power consumption and reduces the starting peak currents of the motor by up to 70%. This way for its implantation it's not necessary neither important electrical connections nor the installation of expensive electrical protections which implies savings in installation costs.

A closed communication loop has been designed between the microprocessor and the motor. So, the *GDRIVE* allows the microprocessor to inform itself on-line concerning the exact and instantaneous work parameters of the motor. This ensures a total protection of the same via the automatic current control and protection against: short circuits, ground fault, phase failure etc. The *GDRIVE* allows for an exact and precise control of the motor acceleration-deceleration times and perfect positioning with clothes or not.

Right from the first time the machine is switched on, the control knows the exact state of the machine and automatically recognises the turning direction of the drum.

Thanks to the *GDRIVE* system several advantages are achieved: up to six spin speeds, four wash speeds in models HS-4022; HS-4040; HS-4055 & HS-4110, an integral control of the unbalances, controlled acceleration and braking, an important reduction of the noise and vibrations, a lengthening of the mechanical life of the washer extractor and a wide voltage tolerance of power supply.

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