

Disclosure of compliance with the EuP Directive within the framework of the E³ strategy

- 01 In recent years, a critical global energy situation has arisen, due, on one hand, to limited natural resources, and on the other hand, increased worldwide energy consumption that has increased by 25%.
- 02 The world's population along with organizations recognizes climate change as a fact and is willing to minimize its effects by responding in the short term.
- 03 Pump manufacturers have a great responsibility for global electricity consumption with ten percent is used for the operation of pumps. ESPA has always been aware of the need for energy reform and has for a long time been contributing to it with a range of engines called Eff1. In 2009, ESPA also developed the ESD (ESPA Speedrive), a frequency inverter specifically designed to bring pumping to the next level in domestic and collective environments and to contribute to energy savings in homes and commercial and residential buildings.
- 04 To contribute to the reduction of global energy consumption, the EuP directive has emerged and has to be accomplished. This directive will make possible saving up to 60% of the energy consumed by pumping systems.
- 05 ESPA products with IE2 efficiency motors have better performance, lower power and current input, smaller temperature rises, lower heat dissipation and greater product durability, without their dimensions being modified.
- 06 Energy consumption in pumps is the most expensive component of their life cycle. A pump that is well-selected by ESPA's Application Engineering Service, together with an efficient motor and a suitable control element, can see life cycle costs (LCC) reduced up to 50%.
- 07 Compliance with the EuP directive, together with ESPA Efficient Engineering and a consolidated Innovation process, allow the brand to challenge itself to becoming the leader in the pressurization and pool segments, for both the private and collective sectors.
- 08 Tradition has shown ESPA to be dynamic innovators with the goal of understanding and meeting the needs of their customers. Professional relationships and personal attention have led them to know their day-to-day circumstances and have allowed them to anticipate their needs.
- 09 ESPA states its commitment to developing the culture in efficient water management: creativity, innovation, professionalism, responsibility, service and commitment to the environment, thinking of the present good and that of future generations.
- 10 ESPA's own development and innovation processes have led to the creation of the E³ Innovation program (ESPA Efficient Engineering), a guide for developing comprehensive quality that has enabled some of ESPA's products to now comply with the EuP directive demanded requirements from beginning 2017. The values of the E³ philosophy are: compliance with legal requirements, energy efficiency (electric and hydraulic), implementation of the innovation process (led by ESPA's Competence Centre for Innovation and Development, located at the University of Girona), and inherent efficiency in pumping: communication, home automation, security, Plug&Pump...