

# Now! Our pumps equipped with low-consumption high-performance motors



«In ESPA we are developing new projects focused on improving the energy efficiency of all our products. Our commitment with the global energy challenge guides all our activities including I+D+I.

Now, we provide all our pumps with more efficient motors according with the IE2 efficiency parameters proposed for the International Efficiency organisation and established all around the world by different regulations as the Regulation (EC) No. 640/2009 of the European Commission.»

Joan Nierga, Engineering applications director, ESPA

## ESPA series with IE2 motors efficiency:

Press-Line  
XVM  
FLS/FLDS  
FNS/FNF  
XNS/XNF

Tecno  
Tecnoself  
Tecnoplus 25  
Multi  
Prisma

Piscis  
Wiper  
Silen  
Silen2  
Blaumar

Tifon  
Nadorself  
Multipool  
Iris  
Aspri



# Our pump motors: + performance – consumption

Commission Regulation (EC) No 640/2009 of 22 July 2009, with regard to electric motors, concerning those of efficiency level IE2

## Type of motor affected

Three-phase 50 Hz or 60 Hz, squirrel cage induction motor that has 2 to 6 poles and a rated output between from 0.75 kW to 375 kW

## Type of motor exempt

Submersible motors, integrated motors (in fans, pumps...) and special motors for use in explosive atmospheres, at heights, etc.

## Date of application

16/06/2011 Efficiency level of IE2 or greater

01/01/2015 Motors of more than 7.5 kW and with an efficiency level of IE3

01/01/2017 All motors must have an efficiency level of IE3

## Scope of application

### IE2 Nema Energy efficiency

Europe	2011
Korea	2009
Brazil (1)	2010
China	2012
Switzerland	2013

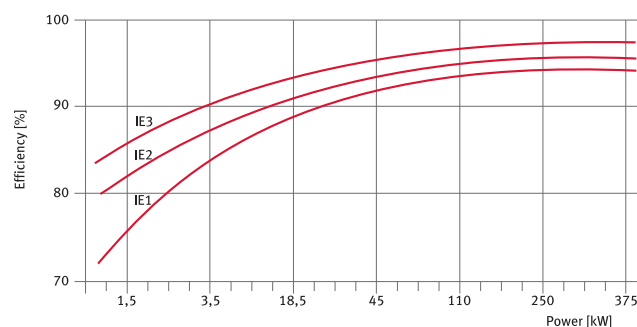
### IE3 Nema Premium

Europe > 7,5 kW	2015
Europe	2017
USA (2)	2012

(1) NBR 17094-1  
Regulation 553

(2) NEMA Premium

## Comparison of performance



## New efficiency classes

