

FIND OUT ABOUT ALL THE LEGAL ASPECTS

The European Union has approved Directive 2005/32/CE in order to reduce the energy consumption of electric induction motors and therefore their CO2 emission ratio.

It is based on standard IEC 60034-30, that defines the following new efficiency classes, which are mandatory in the EU for the manufacture of induction motors: “IE1: Standard efficiency”; “IE2: High efficiency” and “IE3: Premium efficiency”, which replace the existing “EFF 1” and “EFF 2” classes.

Since 16 June 2011, sales of all “IE1: Standard efficiency” motors are prohibited in the EU, and they must be at least “IE2: High efficiency” class.

Beginning on 1 January 2015, the use of IE3 class (or IE2 + variator) equipment will be mandatory for power ratings ranging from 7.5 to 375 kW.

Beginning on 1 January 2017, the use of class equipment will be mandatory for power ratings ranging from 0.75 to 375 kW.