

LET'S GET READY IN TIME!

DIRECTIVE 2009/125 / EC OF THE EUROPEAN PARLIAMENT FOR THE PROTECTION OF THE ENVIRONMENT.

NEW ELECTRIC MOTORS CALENDAR



From 1st July 2021

- Three-phase motors with Power P such that: $0.75 \text{ kW} \leq P \leq 1,000 \text{ kW}$ with 2, 4, 6, 8 poles, with the exception of Ex-eb motors, must be IE3.
- Three-phase motors with Power P such that: $0.12 \text{ kW} \leq P < 0.75 \text{ kW}$ with 2, 4, 6, 8 poles, with the exception of Ex-eb motors, must be IE2.



From 1st July 2022

In addition to the various information to be reported in the data sheets and in the technical documentation of the engine (nominal efficiency, IE level of efficiency, name of the manufacturer, engine model, n of poles, etc ...) it is also necessary to report the losses expressed as a percentage of the nominal power, determined on different operating points of speed and torque: (25; 25), (25; 100), (50; 25), (50; 50), (50; 100), (90; 50), (90; 100).



From 1st July 2023

- Ex-eb motors with Power P such that: $0.12 \text{ kW} \leq P \leq 1,000 \text{ kW}$ with 2, 4, 6, 8 poles must be IE2.
- Single-phase motors with Power P such that: $P \geq 0.12 \text{ kW}$ must be IE2.
- Three-phase motors with Power P such that: $75 \text{ kW} \leq P \leq 200 \text{ kW}$, with 2, 4, 6 poles, excluding self-braking motors, increased safety motors and other explosion-proof motors, must be IE4



Note

- The types of electric motors not affected by this directive are TENV (Totally Enclosed Non Ventilated) motors, DC and multi-polarity motors, but not TEAO (Totally Enclosed Air Over) motors, which therefore fall in its purpose



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