

EU Ecodesign Regulation

Commission Regulation EU 2019/1781

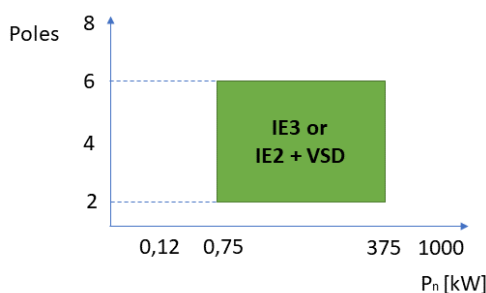
From July 2021, the current regulation will be repealed and replaced by Regulation on electric motors and variable speed drivers (EU) 2019/1781. Under the new rules, several induction motors that were previously not covered will be regulated. The level of requirement will moreover increase, as three-phase motors with a rated output between 0.75kW and equal to or below 1000kW must reach the IE3 level by July 2021 including ATEX motors.

The regulation will also regulate the efficiency of variable speed drives and both product groups will be subject to information requirements such as efficiency at different load points, in terms of speed and torque.

As in the previous regulation, some motors designed for specific conditions are excluded or benefit from more favorable conditions.

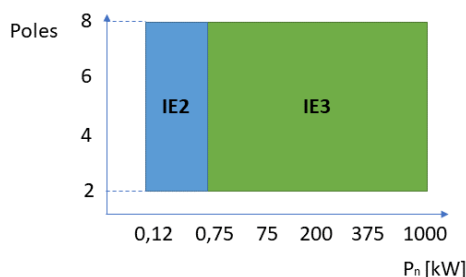
Going through the alignment with the new Ecodesign Directive and sharing the information with all our Valued Customers, CEMP would like to summarize the main changes as follows:

Current Regulation (valid until 30/06/2021)



Applies to	Major exemptions
Induction motors (single speed, 3-phase 50 Hz or 50/60 Hz, squirrel cage induction motor for continuous duty)	<ul style="list-style-type: none"> • ATEX motors regarding 2014/34/EU (for explosive atmospheres)
Applies not to	<ul style="list-style-type: none"> • Brake motors • Submersible motors
This regulation does not apply requirements on the VSD.	

New Regulation (starting 01/07/2021)



Applies to	Major exemptions
<ul style="list-style-type: none"> • 3-phase single speed motors 50 Hz, 60 Hz, 50/60 Hz • ATEX motors for explosive atmospheres (Group II) Ex ec, Ex tb, Ex tc, Ex db and Ex dc • Brake motors • Motors for rated duty class: S1, S3 > 80%, S6 > 80% • Totally Enclosed Air Over (TEAO) motors <p>It is important to note that the option of IE2 + VSD is no longer applicable.</p>	<ul style="list-style-type: none"> • High-Voltage Motors • ATEX Mining Motors • Totally Enclosed Non-Ventilated (TENV) motors



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