



Dunkermotoren customers sleep peacefully, despite new EU regulation on electric motor efficiency

With the European Commission Regulation (EU) 2019/1781 (ecodesign requirements for electric motors and speed control systems), new minimum efficiencies for electric motors will be prescribed from July 1, 2021.

In short, the minimum efficiency level IE2 will then apply to 50/60-Hz three-phase motors (2, 4, 6 or 8 poles) from 0.12 kW and the minimum efficiency level IE3 from 0.75 kW rated output power. The tables for determining the IE classes as well as numerous exceptions and detailed regulations can be found in the regulation. None of the Dunkermotoren are affected by the requirements, since the BG and GR series motors are not intended for operation on the public power supply system. The D, KD and DR series are below the respective power limits for the relevance of the regulation.

Even if the requirements were to be extended in future with general validity for synchronous motors, Dunkermotoren customers would still be on the safe side. BG xx dPro EC motors with integrated motion controller from Dunkermotoren already meet the demanding requirements of the highest energy efficiency classification for electric motors - the Ultra Premium Efficiency Class IE5. In the nominal power range, the motors, together with the integrated control electronics, achieve an efficiency of over 90%, thus far exceeding the requirements.

Your contact for public relations:

Dunkermotoren GmbH
Janina Dietsche
Allmendstr. 11
D-79848 Bonndorf
Telefon: +49 7703 930-546
E-Mail: Janina.Dietsche@ametek.com

