

Country Fact Sheet Motors

Overview



Region	Requirement Directive	MEPS	Scope	Exemptions
Australia & New Zealand	GEMS GEMS Determination 2018	IE2	0.73 – 185 kW	– Short-time duty S2 – Motors exclusively suitable for inverter operation
Brazil	INMETRO Portaria no. 1_2017-06-29	IR3	0.12 – 375 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation
Canada	Energy Efficiency Act (EEA) 2016	IE3	0.75 – 375 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation
China	GB Standard GB18613-2020 China Energy Label CEL 007-2021	Grade 3 Grade 3	0,12 – 1000 kW 0.75 – 375 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation
Europe	Ecodesign Directive (EU) 2019/1781	IE2 IE3	0,12 – 0,55 kW 0.75 – 375 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation
India	Bureau of Energy Efficiency Gazette of India No. 3144/2018	IE2	0.12 – 1000 kW	– Motors exclusively suitable for inverter operation
Mexico	Norma Oficial Mexicana NOM 016 ENER 2016	IE3	0.746 – 373 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation
South Korea	Korea Energy Label MOTIE Notification No. 2017-61	IE3	0.75 – 375 kW	– Short-time duty S2 – Inverter duty
Switzerland	Ecodesign Directive EnEV 730.02 and 734.26 (NEV)	IE2 IE3	0,12 – 0,55 kW 0.75 – 375 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation
Turkey	Ecodesign Directive SGM:2021/16	IE2 IE3	0,12 – 0,55 kW 0.75 – 375 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation
United Kingdom	Ecodesign Directive (EU) 2019/1781	IE2 IE3	0,12 – 0,55 kW 0.75 – 375 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation
USA	UL energy verified DOE 10 CFR Part 431	IE3	0.75 – 375 kW	– Intermittent duty like S3 or S6 (<80%) – Motors exclusively suitable for inverter operation

Individual Information per region/countries at www.lenze.com/en-de/energy-efficient-drive-solutions/

Current status July 2023, subject to change

