

Country Fact Sheet Motors

Overview



Region	Requirement Directive	MEPS	Scope	Exemptions
Australia	GEMS GEMS Determination 2018	IE2	0.73 ... 185 kW	<ul style="list-style-type: none"> - Short-time duty S2 - Motors exclusively suitable for inverter operation
Brazil	INMETRO Portaria no. 1_2017-06-29	IR3	0.12 ... 375 kW	<ul style="list-style-type: none"> - Intermittent duty like S3 or S6 (<80%) - Motors exclusively suitable for inverter operation
Canada	Energy Efficiency Act (EEA) 2016	IE3	0.75 ... 375 kW	<ul style="list-style-type: none"> - Intermittent duty like S3 or S6 (<80%) - Motors exclusively suitable for inverter operation
China	GB Standard (Asynchron) GB18613-2020 China Energy Label CEL 007-2021	Grade 3	0.12 ... 375 kW	<p>Asyn:</p> <ul style="list-style-type: none"> - Intermittent duty like S3 or S6 (<80%) - Motors exclusively suitable for inverter operation
	GB Standard (Synchron) GB 30253-2013 China Energy Label CEL 038-2019	Grade 2	0.55 ... 90 kW	<p>Synch:</p> <ul style="list-style-type: none"> - Rated speed > 3000rpm - With external fans - With magnetic brake
European Union	Ecodesign Directive (EU) 2019/1781	IE2 IE3 IE4	0.12 ... 0.74 kW 0.75 ... 74 kW 75 ... 200 kW	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Intermittent duty like S3 or S6 (<80%) - Motors exclusively suitable for inverter operation
South Korea	Korea Energy Label MOTIE Notification No. 2020-225	IE3	0.75 ... 375 kW	<ul style="list-style-type: none"> - Short-time duty S2 - Inverter duty
Switzerland	Ecodesign Directive EnEV 730.02	IE2 IE3 IE4	0.12 ... 0.74 kW 0.75 ... 74 kW 75 ... 200 kW	<ul style="list-style-type: none"> - Intermittent duty like S3 or S6 (<80%) - Motors exclusively suitable for inverter operation
Turkey	Ecodesign Directive SGM:2021/16	IE2 IE3 IE4	0.12 ... 0.74 kW 0.75 ... 74 kW 75 ... 200 kW	<ul style="list-style-type: none"> - Intermittent duty like S3 or S6 (<80%) - Motors exclusively suitable for inverter operation
United Kingdom	The Ecodesign for Energy-Related Products and Energy Information Regulations 2021	IE2 IE3 IE4	0.12 ... 0.74 kW 0.75 ... 74 kW 75 ... 200 kW	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Intermittent duty like S3 or S6 (<80%) - Motors exclusively suitable for inverter operation



Individual Information per region/countries

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This overview represents a non-binding overview of the known valid regulations at the date of creation. No legal claim or compensation can be derived from this in the event of different legislation or application.

