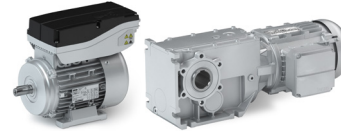



Country Fact Sheet Motors

United Kingdom



Regional Characteristics																	
Voltage	3 ~ 400V ± 10% 1 ~ 230V ± 10%																
Frequency	50 Hz																
Approval Mark																	
UK Conformity Assessed (UKCA)																	
Standard	UKCA EN 60034																
Regulation	<ul style="list-style-type: none"> Electrical Equipment Regulations 2016 (S.I. 2016/1101) The Ecodesign for Energy-Related Products and Energy Information Regulations 2021 RoHS Regulations 2012 (S.I. 2012/3032) 																
Scope	<ul style="list-style-type: none"> From January 1, 2025: UKCA Declaration and marking on enclosed documents From January 1, 2028: UKCA Mark on the product 																
Marking	 <p>The UKCA marking is a UK product marking that is used for goods being placed on the market in Great Britain (England, Wales and Scotland). It covers goods which previously required the CE marking.</p>																
Energy Efficiency																	
Ecodesign Directive																	
Regional Standard	IEC 60034-30-1																
Regulation	The Ecodesign for Energy-Related Products and Energy Information Regulations 2021																
Mandatory Efficiency Class	<ul style="list-style-type: none"> IE2: 0.12 – 0.74 kW (2-, 4-, 6- and 8-pole) IE3: 0.75 – 74 kW (2-, 4-, 6- and 8-pole) IE3: 75 – 200 kW (8-pole) IE3: 201 – 1000 kW (2-, 4-, 6- and 8-pole) IE4: 75 – 200 kW (2-, 4-, 6 pole) 																
Scope	<ul style="list-style-type: none"> Rated output power from 0.12 up to 1000 kW Rated voltage from 50 up to 1000 V Rated frequency 50 and 60 Hz 2-, 4-, 6- and 8-pole For continuous duty operation 																
Exemptions	<ul style="list-style-type: none"> Intermittent duty like S3 or S6 (duty factor <80%) Exclusively suitable for inverter operation Motors with integrated variable speed drive as integral part of the motor Motors for heavy environmental conditions like ambient temperature above +60°C or below -30°C, installation altitude above 4000m Pole-changeable motors Motors placed on the market before 1st July 2029 as substitutes for identical motors integrated in products placed on the market before 1st July 2021, and specifically marketed as such Motors that share common components with the driven unit and cannot operate as a motor if separated from it Motors specifically designed and specified to operate wholly immersed in a liquid 																
Marking	<ul style="list-style-type: none"> IE-Class Nominal efficiency (η) at 50%, 75% and 100 % load 																
Solutions from Lenze																	
Three-phase AC motors	<table border="0"> <tr> <td>0.12 ... 0.55 kW</td> <td>m550-H IE2-high efficiency motors</td> </tr> <tr> <td>0.75 ... 22 kW</td> <td>m550-P IE3-premium efficiency motors</td> </tr> <tr> <td>30.0 ... 55 kW</td> <td>m540-P IE3-premium efficiency motors</td> </tr> <tr> <td>0.37 ... 11 kW</td> <td>m550-U IE5- ultra premium efficiency motors</td> </tr> <tr> <td>0.25 ... 7.5 kW</td> <td>m550-V IE6-ultra premium efficiency motors</td> </tr> <tr> <td>0.75 ... 22 kW</td> <td>m650-U IE5-ultra premium efficiency motors</td> </tr> <tr> <td>0.55 ... 22 kW</td> <td>MF inverter-optimized AC motors</td> </tr> <tr> <td>0.47 ... 1.36 kW</td> <td>m300 Lenze Smart Motors</td> </tr> </table>	0.12 ... 0.55 kW	m550-H IE2-high efficiency motors	0.75 ... 22 kW	m550-P IE3-premium efficiency motors	30.0 ... 55 kW	m540-P IE3-premium efficiency motors	0.37 ... 11 kW	m550-U IE5- ultra premium efficiency motors	0.25 ... 7.5 kW	m550-V IE6-ultra premium efficiency motors	0.75 ... 22 kW	m650-U IE5-ultra premium efficiency motors	0.55 ... 22 kW	MF inverter-optimized AC motors	0.47 ... 1.36 kW	m300 Lenze Smart Motors
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Individual Information per region/countries

January 2026

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.

