


Country Fact Sheet Motors

South Korea



Regional Characteristics											
Voltage	3 ~ 380V (440V) ± 10% 1 ~ 220V ± 10%										
Frequency	60 Hz										
Approval Mark	Korea Certification (KC)										
Standard	KS C IEC 60034										
Scope	Electric motors are required to comply with the applicable Korean EMV and safety standards and mandatory registration before they are imported to, distributed, or sold in Korea.										
Marking	 KC Mark										
Energy Efficiency	Korea Energy Label (KEL)										
Regional Standard	KS C IEC 60034										
Regulation	MOTIE Notification No. 2017-61										
Mandatory Efficiency Class	IE3										
Scope	<ul style="list-style-type: none"> - Rated output power from (0.75 kW) up to (375 kW) - Rated voltage up to 600 V - Rated frequency 50 and 60 Hz - 2-, 4-, 6- and 8-pole - For continuous duty operation 										
Exemptions	<ul style="list-style-type: none"> - IShort-time duty S2 - Inverter duty - Motors for heavy environmental conditions like ambient temperature above +50°C or below -15°C - Pole-changeable motors 										
Marking	<ul style="list-style-type: none"> - Korea Energy Label if affected - Non-Korea Energy Label if in the scope but excepted 										
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 ... 22.0 kW</td> <td>m550-P IE3-premium efficiency motors</td> </tr> <tr> <td>30.0 ... 55.0 kW</td> <td>m540-P IE3-premium efficiency motors</td> </tr> <tr> <td>0.55 ... 22.0 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 ... 22.0 kW	m550-P IE3-premium efficiency motors	30.0 ... 55.0 kW	m540-P IE3-premium efficiency motors	0.55 ... 22.0 kW	MF inverter-optimized AC motors	0.47 ... 1.36 kW	m300 Lenze Smart Motors
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