

# Country Fact Sheet Motors

## Australia & New Zealand



Regional Characteristics											
Voltage	3 ~ 400V ± 10% 1 ~ 230V ± 10%										
Frequency	50 Hz										
Energy Efficiency	GEMS										
Regional Standard	IEC 60034										
Regulation	GEMS Determination 2018										
Mandatory Efficiency Class	IE2										
Scope	<ul style="list-style-type: none"> <li>- Rated output power from 0.73 up to 185 kW</li> <li>- Rated voltage up to 1100 V</li> <li>- Rated frequency 50 and 60 Hz</li> <li>- 2-, 4-, 6- and 8-pole</li> <li>- For continuous duty operation</li> </ul>										
Exemptions	<ul style="list-style-type: none"> <li>- Short-time duty S2</li> <li>- Pole-changeable motors</li> <li>- Motors that share common components with the driven unit and cannot operate as a motor if separated from it</li> <li>- Motors specifically designed and specified to operate wholly immersed in a liquid</li> <li>- High slip motors, known as torque motors</li> </ul>										
Marking	- No Label but GEMS Registration										
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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