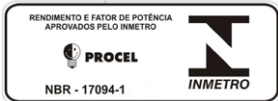


Country Fact Sheet Motors

Brazil



Regional Characteristics	
Voltage	3 ~ 415V ± 10% 3 ~ 208V ± 10% 1 ~ 220V ± 10%
Frequency	60 Hz
Energy Efficiency	INMETRO
Regional Standard	INMETRO NBR 17094-1
Regulation	Portaria no. 1_2017-06-29
Mandatory Efficiency Class	IR3
Scope	<ul style="list-style-type: none"> - Rated output power from (0.12 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"> - Intermittent duty like S3 or S6 (duty factor <80%) - Motors for heavy environmental conditions like ambient temperature above +60°C or below -30°C, installation altitude above 4000m - Pole-changeable motors
Marking	INMETRO Label 
Solutions from Lenze	
Three-phase AC motors	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
Asynchronous servo motors	0.075 ... 0.6 kW SDSGA asynchronous servo motors 0.80 ... 53.8 kW MCA asynchronous servo motors 10.6 ... 60.2 kW MQA asynchronous servo motors
Synchronous servo motor	2.00 ... 9.20 kW m850 synchronous servo motors 0.25 ... 15.8 kW MCS synchronous servo motors

