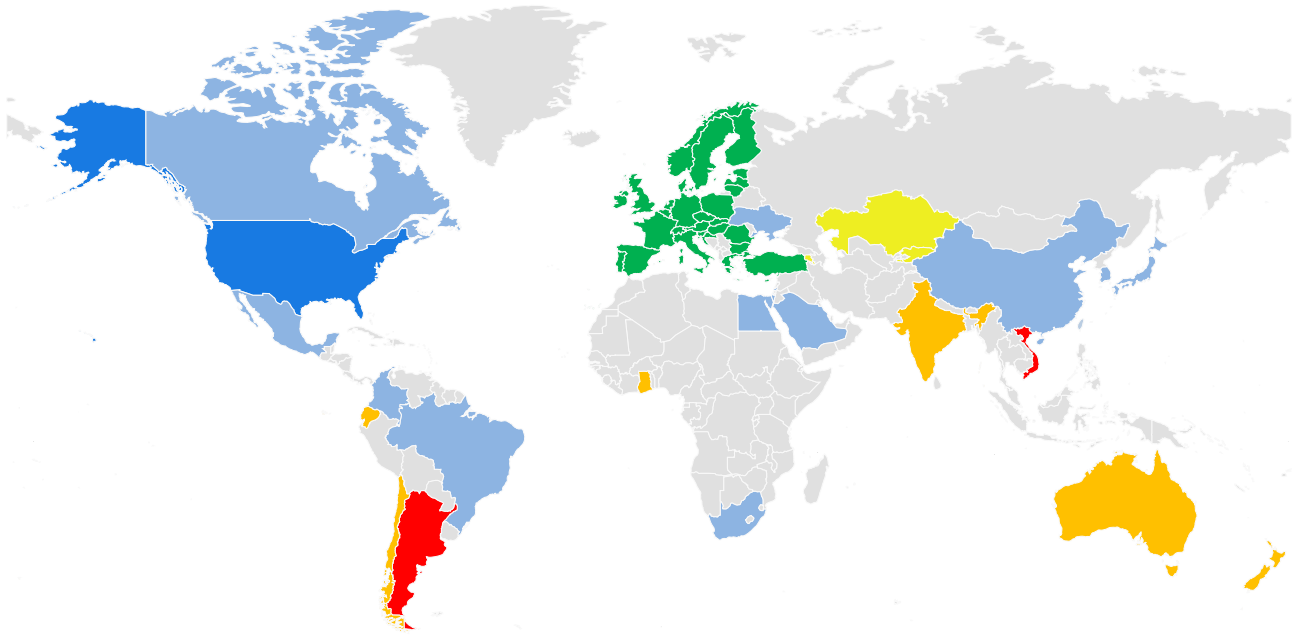


EMSA MEPS MAP Export



©EMSA v1.1 - 01/11/2024 ■ IE1 ■ IE2 ■ IE2 decided ■ IE3 ■ IE4 ■ IE4 decided

The colour reflects the highest requirement for electric motors in a country. The categories 'IE2 decided' and 'IE4 decided' mean a regulation to apply IE2 or IE4 respectively has been adopted and the requirement will be applicable from a future date.
 Disclaimer: This map is without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area.

Efficiency levels	Efficiency classification	Mandatory Minimum Energy Performance Standard			
3-phase induction motors low voltage < 1 000 V	IEC 60034-30-1:2014	Testing standard IEC 60034-2-1		Phases	
	IE efficiency class ¹	Country / Region	Range (kW)	1 3 Note	
Super Premium Efficiency	IE4	European Union (27 countries)	75 - 200	x	2
		Norway, Switzerland, Türkiye, United Kingdom	75 - 200	x	
		United States from Jun 2027	75-186	x	
Premium Efficiency	IE3	Brazil	0.12 - 370	x	3
		Canada	0.75 - 375	x	
		China	0.12 - 1 000	x	
		Colombia	0.75 - 373	x	
		Egypt	0.75 - 375	x	
		European Union (27 countries)	0.75 - 75; 200 - 1 000	x	
		Israel	0.75 - 185	x	
		Japan	0.75 - 375	x	
		Mexico	0.75 - 375	x	
		Norway, Switzerland, Türkiye, United Kingdom	0.75 - 75; 200 - 1 000	x	
		Saudi Arabia	0.75 - 375	x	
		Singapore	0.75 - 375	x	
		South Africa	0.75 - 375	x	
		South Korea	0.75 - 375	x	
		Taiwan	0.75 - 200	x	
		Ukraine	0.75 - 375	x	
USA	0.18 - 2.2	x			
USA	0.75 - 375	x			
		United States from Jun 2027	0.75 - 75; 186 - 563	x	
		AM, KZ, KG ⁵ from Sep 2025	0.75 - 375	x	
High Efficiency	IE2	Australia	0.73 - 185	x	x
		Chile	0.75 - 7.5	x	
		Colombia	0.18 - 0.55	x	
		Ecuador	0.75 - 373	x	
		EU 27, CH, NO, TR, GB ⁶	0.12 - 1 000	x	
		EU 27, CH, NO, TR, GB ⁶	0.12 - 0.75	x	
		Ghana	0.12 - 1 000	x	
		India	0.12 - 1 000	x	
		Israel	0.75 - 5.5	x	
		New Zealand	0.73 - 185	x	
USA	0.18 - 2.2	x			
Standard Efficiency	IE1	Argentina	0.12 - 7.5	x	4
		Argentina	0.75 - 30	x	
		China	0.25 - 3.7	x	
		Ghana	0.12 - 1 000	x	
		Vietnam	0.75 - 150	x	

¹ Output power: 0.12 kW - 1000 kW, 50 and 60 Hz, line operated, 2-, 4-, 6- and 8-poles

² VSD: IE2 efficiency class, IEC 61800-9-2 (0.12 kW - 1 000 kW)

³ IE3 or IE2+VSD

⁴ China single-phase motors: classification equivalent to IE-classes from IEC 60034-30-1 with parallel starting and running capacitor, but different classification with starting or running capacitor.

⁵ AM: Armenia, KZ: Kazakhstan, KG: Kyrgyzstan

⁶ EU 27: European Union (27 countries). CH: Switzerland. NO: Norway. TR: Türkiye. GB: United Kingdom