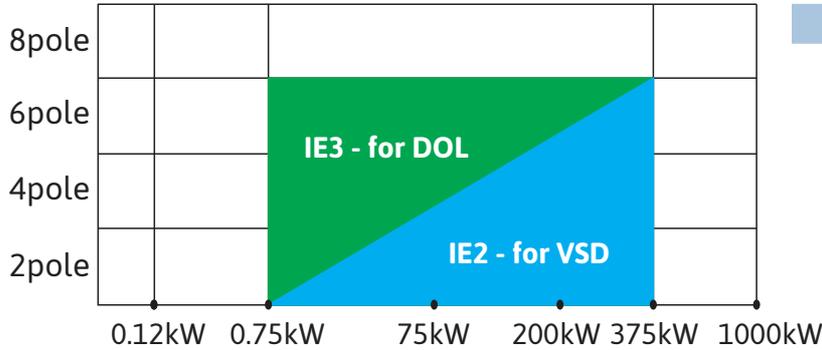




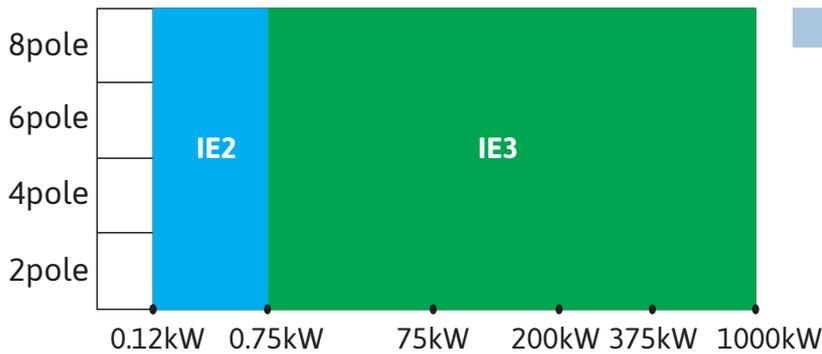
ErP Directive 2009/125/EC is setting requirements for ecodesign of **E**nergy related **P**roducts. The Implementation Dates for Efficiency Classes related to Electric Motors are defined by **EU Regulation 2019/1781**.



From 01 January 2017 until 30 June 2021

	Included	Excluded
Three-phase standard motors (50Hz, 50Hz/60Hz)	✓	
Three-phase TENV (IC410) motors		✓
Three-phase TEAO (IC418) motors	✓	
Three-phase ATEX motors		✓
Three-phase ATEX mining motors		✓
Three-phase brake motors		✓
Three-phase water-cooled motors ⁽¹⁾	✓	
Three-phase submersible motors		✓
Three-phase low temperature motors (< -30°C)		✓
Three-phase high temperature motors (> +60°C)		✓
Three-phase high altitude motors (> 4000m a.s.l.)		✓
Three-phase short-term/intermittent duty motors		✓
Three-phase equipment intergrated motors		✓
Three-phase slip-ring motors		✓
Single phase motors		✓
Commutator motors		✓

⁽¹⁾ water temperature +5°C to +25°C

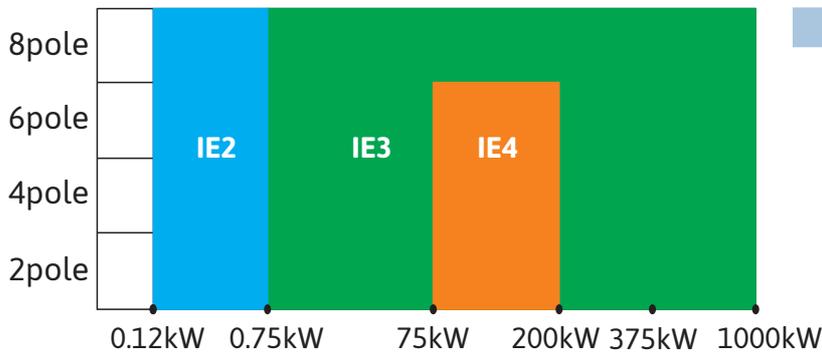


From 01 July 2021 until 30 June 2023

	Included	Excluded
Three-phase standard motors (50Hz, 60Hz, 50Hz/60Hz)	✓	
Three-phase TENV (IC410) motors		✓
Three-phase TEAO (IC418) motors	✓	
Three-phase ATEX motors ⁽¹⁾	✓	
Three-phase ATEX mining motors		✓
Three-phase brake motors	✓	
Three-phase water-cooled motors ⁽²⁾	✓	
Three-phase submersible motors		✓
Three-phase low temperature motors (< -30°C)		✓
Three-phase high temperature motors (> +60°C)		✓
Three-phase high altitude motors (> 4000m a.s.l.)		✓
Three-phase short-term/intermittent duty motors		✓
Three-phase equipment intergrated motors		✓
Three-phase slip-ring motors		✓
Single phase motors		✓
Commutator motors		✓

⁽¹⁾ except of ATEX Ex eb (increased safety motors)

⁽²⁾ water temperature 0°C to +32°C



From 01 July 2023

	Included	Excluded
Three-phase standard motors (50Hz, 60Hz, 50Hz/60Hz)	✓	
Three-phase TENV (IC410) motors		✓
Three-phase TEAO (IC418) motors	✓	
Three-phase ATEX motors ⁽¹⁾	✓	
Three-phase ATEX mining motors		✓
Three-phase brake motors	✓	
Three-phase water-cooled motors ⁽²⁾	✓	
Three-phase submersible motors		✓
Three-phase low temperature motors (< -30°C)		✓
Three-phase high temperature motors (> +60°C)		✓
Three-phase high altitude motors (> 4000m a.s.l.)		✓
Three-phase short-term/intermittent duty motors		✓
Three-phase equipment intergrated motors		✓
Three-phase slip-ring motors		✓
Single phase motors for (50Hz, 60Hz, 50Hz/60Hz) ⁽³⁾	✓	
Commutator motors		✓

⁽¹⁾ ATEX Ec eb (increased safety motors) must comply to **IE2**

⁽²⁾ water temperature 0°C to +32°C

⁽³⁾ all single-phase motors must comply to **IE2**

- Multi speed motors (2-speed, 3-speed) are exempt.
- Inverter duty motors per IEC60034-25 are exempt because they are not rated for DOL.
- Identical replacement motors may be supplied if the original motors were placed on the market before 1 July 2022. A statement that the motor may only be used as a replacement part must be on the motor, packaging and in documentation.