



W22 *PRIME*

IE5
induction
motor

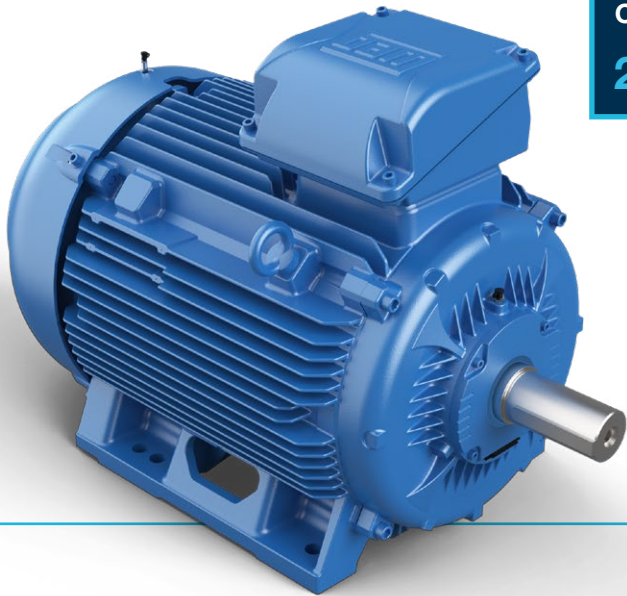


W22 Prime is the evolution that combines all of WEG's expertise in electric motors.

W22 Prime achieves IE5 energy-efficiency as an induction motor, offering a robust and reliable solution for both fixed-speed and variable-speed applications. With a wide power range — from 11 to 1,000 kW — it enables direct replacement of low-efficiency motors with minimum impact on system setup. This simplifies integration and supports a smooth transition to higher energy standards, without compromising performance or compatibility.

W22 Prime is built to lead your energy transition.

Coming
soon
2026

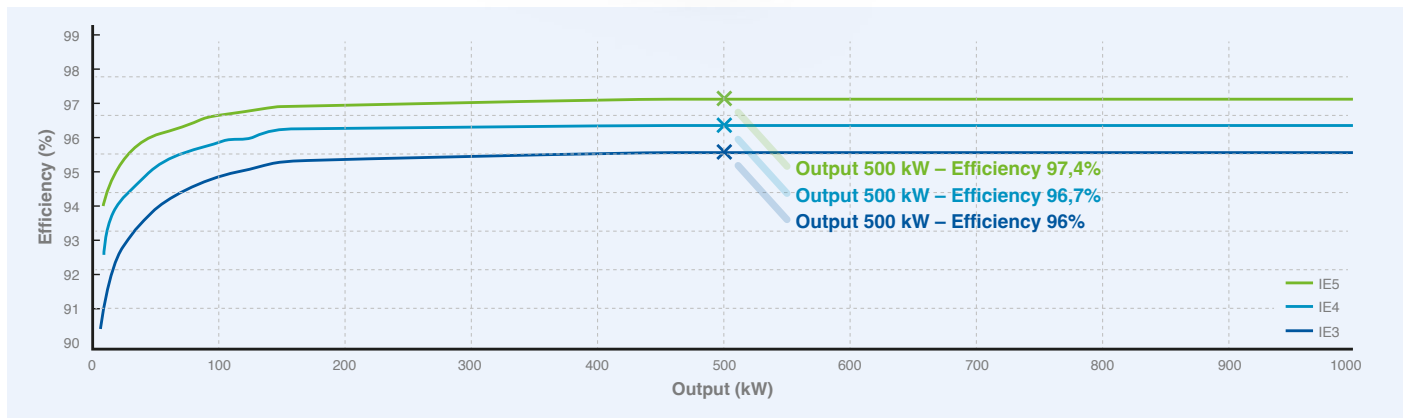


Designed for simplicity and flexibility

The W22 Prime is compatible with both direct-on-line (DOL) operation and variable speed drives, offering greater flexibility across a wide range of applications. Through an optimized induction design, W22 Prime reaches IE5 efficiency with minimum impact on mechanical setup or system architecture.

Efficiency levels: IE3 vs IE4 vs IE5

Source: standards IEC 60034-30-1 and IEC 60034-30-2



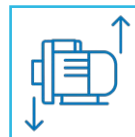
Technical information - W22 Prime

Efficiency-class	IE4 and IE5
IEC power ratings	11 kW - 1,000 kW
Voltage - Frequency	400 V/690 V - 50 Hz
Speed range	750 - 3,000 rpm
Mounting	B3 - V1 and many others
Degree of protection	IP55 to IP66
Ambient temperature	40 °C as standard
Altitude	1,000 m as standard
VFD compatibility	According to IEC 60034-18-42
Frame material	Cast iron
Application	Pumps / Compressors / Fans and beyond
Cooling	IC411 and IC416



IE5 energy-efficiency class

Significantly reduces energy consumption, maximizes operational savings and contributes to reducing CO₂ emissions in scopes 1 and 2.



Flexible design

Ideal for both retrofit and new systems, lowering electrical complexity with minimum impact on mechanical setup.



Simplified start-up

Streamlined system architecture, no mandatory use of a variable speed drive (VSD).



DOL and VSD operation

Effective for both fixed-speed and variable-speed applications – W22 Prime adapts to a wide range of operational needs.



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Driving efficiency and sustainability

