

New generation of high reliability induction motors IE2 High efficiency - IE3 Premium - IE4 Super Premium





Increased reliability

- Fully specified for performance on a drive
- Special variable speed options:
 - RIS: Reinforced Insulation System
 - Insulated bearings
- Available on short delivery up to 200 kW
- 2-year warranty*



Electrical safety

- PTC sensors included for frame size ≥ 160 mm
- Other types of sensor possible on short delivery



Optimized characteristics

- Optimized magnetic circuit to achieve IE2 and IE3 efficiency classes
- I_d/I_n reduction ratio
- Designed to be powered by the mains or by the drive



2 nameplates

- IMfinity® IE3 nameplate
- Multivoltage, multifrequency
- Complies with US & Canada regulations
- IE2 nameplate for use on a frequency inverter
- Drive setting and motor performance information



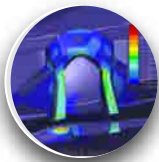
Optimized cooling

- Temperature rise: Class B
- Insulation: Class F
- Thermal reserve: 25 K
- Increased winding service life
- Allows a tolerance of $\pm 5\%$ on all voltages on the nameplate
- Variable speed operation without derating



Wide terminal box

- Easier access and safer connection



Mechanical robustness

- Bearings large enough to take heavy loads on the shaft:
 - long service life and greasing intervals spaced over a wide operating range (high quality grease and cast iron end shields)
- IP55 sealing system approved by INERIS
- Seals with very low mechanical losses for better efficiency



Low vibration level

- Class level A as standard
- Class level B on request



Express Availability

Ask your partner for the "Express Availability Commitment" brochure to find out which of our products are available on short delivery



Repairable motors

- Motors which can be repaired without loss of efficiency in our network of PREMIUM partners



Motor recycling

- Motor recycling through our own electrical waste treatment, according to the WEEE** Directive
- Winding impregnated with solvent-free varnish

* on the Leroy-Somer motor + drive package

** Waste Electrical and Electronic Equipment

IMfinity® platform



LSES

IE2 - IE3
Aluminium IP55
Frame size 80 to 315 mm
2, 4 and 6 poles
0.75 to 200 kW



FLSES

IE2 - IE3 - IE4
Cast iron IP55
Frame size 80 to 355 mm
2, 4 and 6 poles
0.75 to 900 kW



PLSES

IE2 - IE3
ODP IP23
Frame size 225 to 315 mm
2 and 4 poles
55 to 900 kW

