ABB EcoSolutions for IE5 Synchronous reluctance motors*
Ecolabel fullfillment

Introduction
To support our customers' circularity journeys, we have created a new product label, ABB EcoSolutions, providing full transparency on the circularity value and environmental impact of our products.

The ABB EcoSolutions label is an assurance that the product they are buying is:

- Designed for high recyclability and manufactured with sustainably sourced materials.
- Made with processes that are designed to avoid waste.
- Designed to increase resource and process efficiency while in use, be upgradable and optimize the lifetime of equipment and facilities.
- Provided with instructions for responsible end-of-life treatment.

Criteria for ABB EcoSolutions label
EcoSolutions products conform with ABB’s circularity framework, helping both ABB and our customers to become more circular in how we operate.

ABB’s comprehensive circularity approach is built around a framework that drives circularity in our own operations and enables our customers to become more circular. By 2030, we aim to innovate towards new circular business models, covering all stages of the product lifecycle.

To qualify for the label, products must comply with a minimum of four KPIs, one from each dimension and have a third party verified Life-Cycle-Assessment (LCA) or Environmental Product Declaration (EPD).
Fulfillment of Circularity KPIs

Design concept - recyclability rate
- Design for Closing Resource Loops – Standard EN45555 – 90%

Sourcing
- Sustainable material content: Recycled metals - 29%

Operations
- No non-hazardous waste is sent to landfill.

Efficiency
- Can be digitally supported to optimize usage.

Lifetime
- Offered with extended lifetime, preventive maintenance is offered.

Recycling
- End-of-life instructions available: Link

Environmental Product Declarations

An Environmental Product Declaration (EPD) is a third-party verified report describing the environmental impact of a product along its lifecycle, i.e. from cradle to grave.

This report is based on a lifecycle assessment (LCA) and it is one of the key tools to avoid greenwashing risks, thus providing transparency and trustworthiness towards customers and partners.

View the circular value and environmental footprint of ABB IE5 SynRM motors from the Environmental Product Declarations.

- EPD IE5 SynRM 7,5 kW-45 kW
- EPD IE5 SynRM 55 kW-315 kW

https://new.abb.com/motors-generators/iec-low-voltage-motors