

LEAFLET

ABB EcoSolutions for IE5 Synchronous reluctance motors*

Ecosolutions fulfillment



ABB EcoSolutions QR-code provides full transparency to environmental impacts across the entire product lifecycle. Products within the portfolio comply with a set of key performance indicators defined in ABB's circularity framework and carry an external, third-party verified environmental product declaration (ISO 14025).

—
* IE5 Synchronous reluctance cast iron motors, shaft height 160-315

Introduction

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

The ABB EcoSolutions QR-code 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 QR-code

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 ABB EcoSolutions, products must comply with a minimum of four KPIs, one from each dimension and have a third party verified Life-Cycle-Assesment (LCA) or Environmental Product Declaration (EPD).



ABB
Eco
Solutions™

Fulfillment of Circularity KPIs

Design concept - recyclability rate

Design for Closing Resource Loops – Standard EN45555 – 90%

Sourcing

Sustainable material content: Recycled metals - 29%

Operations

Produced at a facility with a landfill diversion rate of 100%, affirming our commitment to zero waste practices.*

Efficiency

Can be digitally supported to optimize usage.

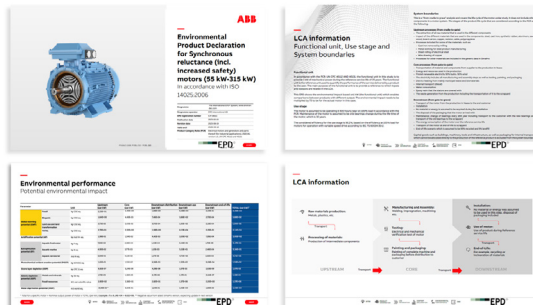
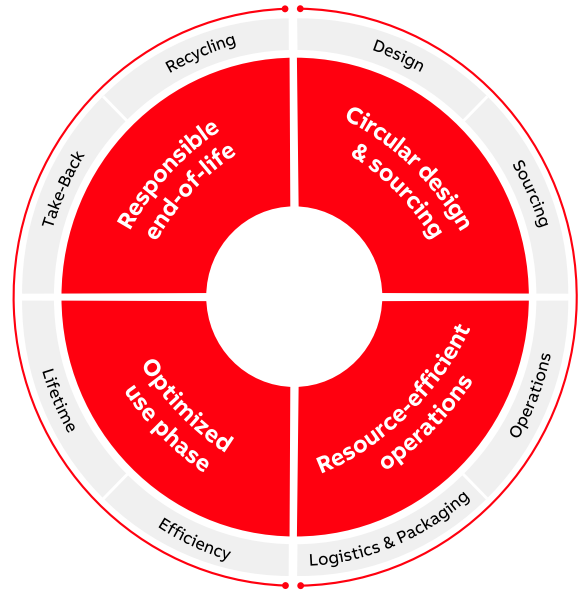
Lifetime

Offered with extended lifetime, preventive maintenance is offered.

Recycling

End-of-life instructions available: [Link](#)

*) Regulated waste, such as hazardous waste, is excluded from the calculations.



EPD IE5 SynRM 7,5 kW-45 kW

EPD IE5 SynRM 55 kW-315 kW

Environmental Product Declarations

An Environmental Product Declaration type III is a third-party verified report that describes the environmental impact of a product throughout its lifecycle, often from cradle to grave.

EPDs are an ISO Type III environmental declaration, conducted and reported according to the ISO 14025 standard. They are key to the transition towards a circular economy, as they provide an increased level of knowledge about products throughout their lifecycle. This information allows customers to make informed decisions when purchasing motors and drives.

Discover the circular value and environmental footprint of ABB IE5 SynRM motors through their Environmental Product Declarations.

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

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG. Copyright© 2024 ABB All rights reserved