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Climatix C700 Edge

Siemens EcoTech Profile

Next generation of HVAC OEM equipment automation

Secondary materials
The entire housing is made from plastic derived from renewable waste feedstock, compared to the predecessor product.

Minimum material use
The device is lighter, has fewer parts and offers additional functionality in a more compact format compared to the predecessor product.

Packaging
The cardboard packaging is made from recycled material and contains no imprinting compared to the predecessor packaging.

Durability / Longevity
Compared to the predecessor product, the device is designed with enhanced mechanical robustness to extend product lifetime and reduce failures under HVAC operating conditions.

Upgradability
The device is upgradable, unlocking additional functionalities and enhancing capabilities to meet changing application demands.

Energy efficiency
The device offers lower power dissipation and more energy-efficient operation compared to the predecessor and equivalent products.

Maintenance possible / Updatability
The device has firmware updates available to keep the product up to date.

Ease of disassembly / Circularity instructions
The product design allows easy disassembly by users and recyclers with standard tools.

Compliant with substance regulations
Protect people and environment by avoiding substances of concern.

EPD Type II or Type III available
The Environmental Product Declaration (EPD) provides transparency on the environmental impact of the product throughout its life cycle. Type II according to ISO 14021 including Life Cycle Impact Assessment (LCIA). Type III verified and certified according to ISO 14025.

Scan for Environmental Product Declarations (EPD) and further technical information.

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Range of application
This Siemens EcoTech Profile is valid for Climatix C700 Edge.

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Further information on the product

Sustainable materials:

Secondary materials

- The housing is made from plastic derived from renewable waste feedstock, with min. 86% bio-based content.

Minimum material use

- The device integrates functions that previously required multiple products.
- The weight of a comparable configuration is reduced by at least 18%, mainly through reductions in plastic and PCB material.

Packaging

- The packaging is made of FSC-certified cardboard with a recycled content of min. 65%, and documentation is reduced to mandatory information.

Optimal use:

Energy efficiency

- The efficiency is improved: Main power stage by 1.4%, overall efficiency at 100% load by 13%.
- Disabling unused functions reduces power consumption by up to 9 W.

Durability / Longevity

- All parts are securely fixed to reduce wear and risk of failures.
- The product passed endurance vibration tests for demanding operating conditions.

Maintenance possible / Updatability

- Firmware updates are available throughout the product's lifetime.
- Climatix IC enables remote updates, reducing the need for on-site visits.

Value recovery:

Upgradability

- Firmware updates can include functional upgrades, reducing the need to replace the device and decreasing material waste.
- Upgrades include additional capabilities such as advanced applications, support of new hardware extensions, new security standards, and more.

Ease of disassembly / Circularity instructions

- Disassembly instructions are available on SID and SiePortal, providing clear guidance for easy disassembly and recycling.
- The circularity instruction outlines the disassembly steps, material output fractions, and substance declarations.

Our production facilities

Our goal is clear: Reduce Scope 1 & 2 emissions by 90% and compensate residual emissions by 2030. Today, all products in the Siemens EcoTech framework are manufactured in production facilities using 100% renewable electricity.

And the ambitions go much further. The management systems implemented in our production facilities reduce the environmental impacts of our sites. Furthermore, we ensure fair treatment and respect for our people. For more information about Siemens sustainable transformation: Explore our DEGREE framework.

Scan for more information on the Siemens EcoTech framework

TÜV Rheinland has independently validated the assessing methodology behind this product sheet's data evaluation according to ISO 14020 and 14021 standards.

Our Robust Eco Design process

The Siemens Robust Eco Design (RED) approach provides the foundation for integrating Ecodesign systematically into our product development and allows us to derive Ecodesign specifications that are advantageous from an environment point of view while meeting our own sustainability goals as well as those of our customers and suppliers. The RED approach involves three phases:

Application perspective
Definition of relevant product families, identification, and prioritization of Ecodesign requirements from stakeholder expectations.

Solid foundation
LCA-based assessment of environmental impacts for representative products along the entire life cycle, communicated via EPD.

Dematerialization
Evaluation of quantitative environmental impacts of Ecodesign and of further requirements, derivation of improved design specifications wherever reasonable.

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Published by Siemens

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