Fiberlane LLC.
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## Overview

# Fan ZN045 - Ecoline

**Product number:** 21100513



23.11.2026.
All prices excl. VAT plus shipping costs and possible delivery charges, if not stated otherwise.

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# Description

- **Application:** Efficient air circulation in greenhouses with low energy consumption in compliance with ErP directive
- **Material:** Rotor made of white-coated steel - blades made of high-performance composite material (black)
- **Power Supply:** 1~200–277 V, 50/60 Hz, 1210 W, 1.05–0.78 A
- **Speed:** 1100 rpm
- **Protection Class:** IP54, thermal class THCL 155
- **Installation:** Mounting position H/Vo, integrated controller
- **Motor Protection:** Integrated active temperature management
- **Bearing Quality:** Long-life grease-sealed ball bearings
- **Safety:** Protective ring guard on both sides
- **Key Features:**
  - Optimal temperature distribution in the greenhouse
  - Serrated fan blades for improved airflow
  - Reduced condensation and water droplets – lowers risk of plant diseases and fungal growth
  - Long throw distance with low energy usage
  - Optimized airflow due to special inlet ring
  - Extremely quiet operation
  - Speed control via potentiometer possible
  - Lightweight yet sturdy construction
  - All mounting parts made of stainless steel
- **Weight:** 11.20 kg
- **ErP Data:** Efficiency $\eta_{statA}$: 56.6%, performance ratio $N_{ist}$ = 67.2 / $N_{soll}$ = 40

**Fan ZN045 – Ecoline** is specifically designed to provide efficient air circulation in greenhouses, delivering uniform temperature distribution while keeping energy consumption low in compliance with the ErP directive.

The fan features serrated blades and a precision air inlet ring that optimize airflow and minimize moisture formation—reducing the potential for fungal and disease-related crop loss. Its low-noise design and lightweight construction make it suitable for continuous operation in demanding greenhouse conditions.

Equipped with an integrated controller, active motor temperature management, and stainless steel mounting parts, this fan combines performance, safety, and durability. Speed adjustment via potentiometer is supported.