ebmpapst

engineering a better life

Experience the future of fan technology *with:* **AxiForce**

The new tubeaxial fan series, AxiForce.

Axi*Force*

More power, less noise

AxiForce tubeaxial fans are the latest generation of fans from ebm-papst, delivering more power with less noise. They are designed for use in a variety of Industrial, IT, and Telecommunications applications.

The series of new AxiForce fans include 80 mm, 120mm, and 172mm sizes They are used to cool automation equipment such as variable frequency drives and robot controllers, LED displays, power modules for 5G mobile network infrastructure, electronics in video streaming servers, data center equipment, EV charging stations, battery storage, solar and wind inverters, medical equipment, and more.

The new AxiForce fans have the same dimensions as their predecessors but with aerodynamically optimized impellers and housings. At an operating point of 65 cfm in 1.14 in.wg, the AxiForce 80 delivers an increase in efficiency of 42% and reduces noise emission by 7 dB(A); the new generation delivers more power with less noise.

High pressure, small space

The new AxiForce tubeaxial fan was developed for applications with high back pressure in small spaces (up to 5.6 in.wg). It has a steeper characteristic curve as needed for applications such as cooling automatic on equipment with densely packed components whose waste heat must be removed with axial air flow. The characteristic curve's saddle area is nearly twice as high, enabling greater air flows in spite of higher back pressures and achieving considerable performance increases in the applications.

ebm-papst Inc.
North America

USA
100 Hyde Road
Farmington, CT 06034
Phone + 1 860-674-1515
Fax +1 860-674-8536
sales@us.ebmpapst.com

Always in control: Speed control via PWM, analog signal, optional temperature sensor

ebmpapst

Battery Storage

Residential and commercial batteries capable of storing and metering

EV Charging Stations

Resting areas, roadside and participating commercial spaces, municipal parking lots, for cars and buses

IT / Telecom

Routers, servers, data centers, base station cooling, mobile communications

Lighting

Digital signage, kiosks, theatrical / stage lighting, retail / high bay lighting, architectural lighting, spot / track lighting

Medical

CT scanner, MRI machines, blood analyzers, hospital beds, blanket warmers

Solar/Wind Inverter

Inverters used for power conversion of wind and solar renewable energy sources

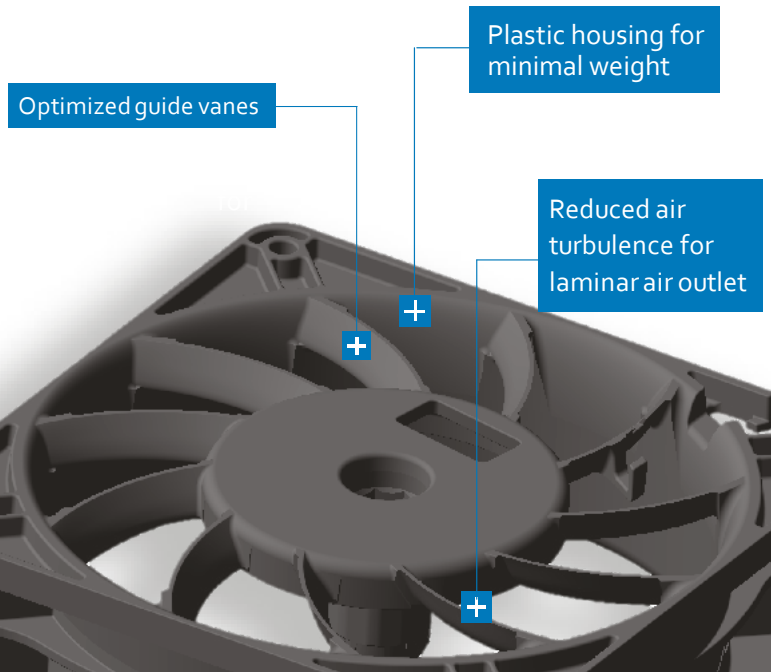
The intelligence of most modern day systems like production lines and mobile network infrastructure is typically installed in an enclosed industrial control cabinet. These enclosures safeguard internal components from outside influences like temperature fluctuations, contaminants, and possible tampering while also protecting the public from coming into direct contact with any of the sensitive electronic equipment.

No matter the size or style, the one thing all enclosures have in common is that the electrical components inside them generate heat. Excessive heat can lead to a decrease in the overall efficiency of the system, underperformance, or even malfunction of one or more of the components leading to complete system failure and costly downtime. Maintaining the optimal temperature in the enclosure is critical to ensure safe and reliable operation.

The AxiForce tubeaxial fan series is ideal for keeping a consistent, optimized temperature in control units for automation and other highly-modern technologies, such as 5G power modules. Due to its variable installation, high cooling capacity in the smallest of spaces, and interactive integration into the device logic, it has already proven to be indispensable in modern automation.

IP68

A special environment-resistant variant was developed for the new AxiForce, satisfying the requirements of protection class IP68 – dustproof and protected against powerful water jets. This variant can also pass a 30-day salt spray test. Also available is a version that satisfies stricter EMC requirements according to DIN EN 55032 class B.



AxiForce

Plastic housing example pictured on right is for 80mm & 120mm types only - 172mm with cast aluminum housing.