

# JMv® AEROFOIL AXIAL FLOW FAN



Air Movement



## Introduction

The Woods JMvAerofoil delivers aerodynamic efficiencies up to 84.8%, low SFPs and

- Innovative CFD optimized design. Improved aerodynamic efficiency
- High efficiency design delivers lower running costs: Down by 44.5%
- Fully cased design – quick, simple and cost effective installation



## Product details

Product Code: AVAL

Our JMv product is a fully cased axial flow fan which offers high-efficiency performance. Each impeller is manufactured from high-pressure die-cast aluminium, which is X-ray inspected using real-time radiography (in accordance with ASTM E-155) to ensure product integrity and quality. Impellers are precision balanced to minimize vibration levels and assure smooth operation. Impeller blades are mounted into a hub and clamp plate assembly, which allows manual blade pitch angle adjustment that offers performance flexibility. Our design incorporates our innovative "VCC" technology, which uses high twist blades, blade features, an aerodynamically optimized hub design, integral 2-stage guide vanes and (for larger sizes) an impeller spinner to deliver outstanding energy-saving performance. A Woods Air Movement product.

## Fast Facts

- Available in 14 diameters, 315 to 1400mm
- Volumes up to 227,160 m<sup>3</sup>/h (63.1 m<sup>3</sup>/s)
- Static pressures up to 1650 Pa
- Fan efficiencies of up 84.8% deliver low running costs (reduced by 44.5%) and enhanced SFP values
- Improved fan efficiencies reduce operational life time carbon foot print by up to 624 Tonnes
- Fans are tested to ISO5801, BS848 and EN121013:2015 (High Temperature)
- Suitable for Standard temperature, 200°C/2, 250°C/2, 300°C/2 and 400°C/2 smoke extraction
- Fully compliant with ErP regulation 327/2011 (2nd Tier). Also exceeds 3rd Tier targets (due in 2022/23)
- Fan casings are hot dip galvanized to offer enhanced corrosion resistance
- Fully cased design makes installation quick, simple and cost effective
- Single and two speed motors are available in 50Hz and 60Hz variants. Motor protection IP55
- Low installed noise levels