MULTI*WING



Rotation Right Left

THE WORLD'S WIDEST RANGE OF AXIAL IMPELLERS

We configure and manufacture customized axial impellers configured to suit your application from 40 different blade profiles and 37 hubs. We have over 60 years of experience solving **the most challenging targets** of fan noise reduction and efficiency improvement. Pitchangles Adjustable pitch

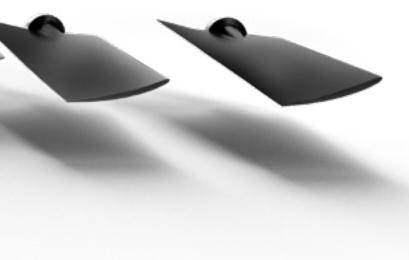
Shapeit 40 shapes Size it 200-2,746 mm 7.8-108.1 inch

Add-ons

Winglets, EPS, Clutch

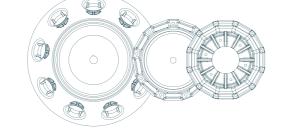
Materials

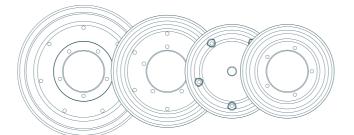


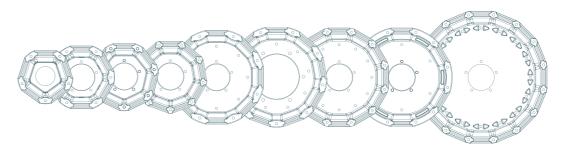


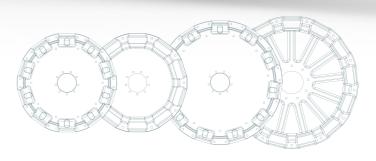
BLADE IT YOUR WAY

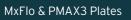
We offer 40 different blade geometries and 37 hub types to match the optimum shape with your airflow, pressure, rotation speed, temperature and other application specific parameters. Configuring a fan with the proper blade geometry optimizes airflow, lowers noise and improves efficiency.









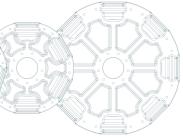




Blade geometries





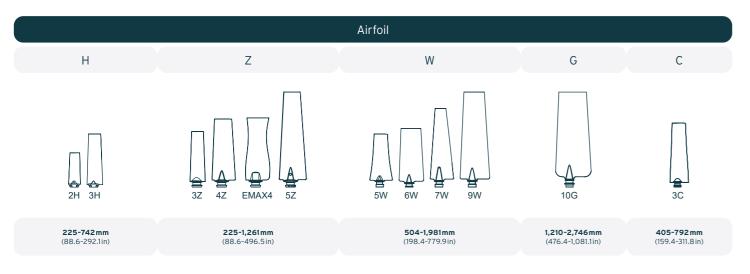


W Retaining Plates

G Retaining Plates

Z Retaining Plates

THE FLEXIBILITY **TO KEEP YOU COOL**

















283-1,656 mm (111.4-651.9 in)

PMAX





£

TR11W

(124.4-632.3 in)

MATERIALLY SIGNIFICANT

Each application calls for different combinations of materials. **Our five thermoplastic materials** and **two aluminium alloys cover** applications from low-pressure livestock ventilation to smoke extraction fans covering a temperature range from -60 to 400°C (-76 to 752 °F).



Thermoplastic materials

PAG

Glass Reinforced Polyamide High strength and vibration resistance

Temperature range: -60 to +120°C (-76 to 248°F)

PAGV1

Glass Reinforced Polyamide For Rail and other applications requiring low flammability

Temperature range: -60 to +120°C (-76 to 248°F)

PAG6-C

Carbon fibre reinforced Polyamide For extreme operating conditions Anti-static properties

Temperature range: -60 to +120°C (-76 to 248°F)

Aluminium alloys cover

AL

Aluminium For high temperature drying applications

Temperature range: -60 to +245°C (-76 to 473°F)

High temperature tested at 250°C (482°F) for maximum 2 hours at 300°C (572°F) for maximum 1 hour

PPG

Glass Reinforced Polypropylene Lightweight and durable

Temperature range: -30 to +90°C (-22 to 194°F)

PAGAS

Anti-static Glass Reinforced Polyamide For operation in potentially explosive atmospheres

Temperature range: -60 to +120°C (-76 to 248°F)

AL 400C

Aluminium For tunnel ventilation and smoke extraction

Temperature range: -60 to +400°C (-76 to 752°F)

High temperature tested at 400°C (752°F) for maximum 2 hours

WHAT EVER WAY YOU SPIN

Most of our blade profiles are **available in both left- and right-hand turning versions** for maximum flexibility in pusher (blowing) or puller (suction) applications.



Our modular axial fans can be configured and assembled with **a wide range** of blade pitch angles ensuring the optimum efficiency is achieved at your required duty point. The width of the fan can be tailored to fit into your available installation envelope by adjusting the pitch.



LEFT-HAND TURNING

RIGHT-HAND TURNING

HOW TO MAKE **A GREAT IMPELLER EVEN BETTER**

FOR MAXIMUM FUNCTIONALITY, WE OFFER THESE ADD-ONS FOR PERSONALIZED USE JUST FOR YOU.

CLUTCH

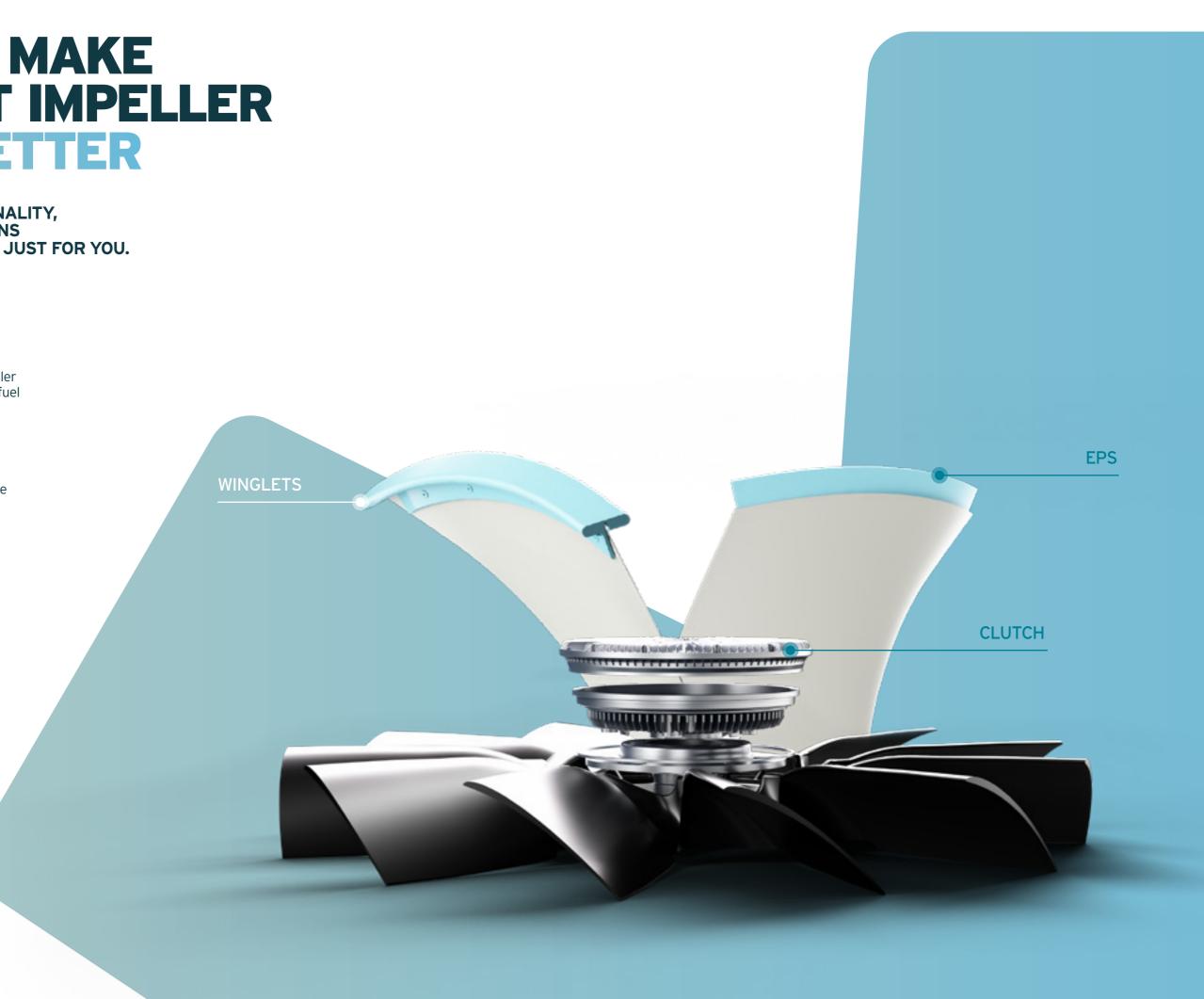
Adding a viscous clutch to an impeller brings speed modulation, reduced fuel consumption and lower noise.

EPS

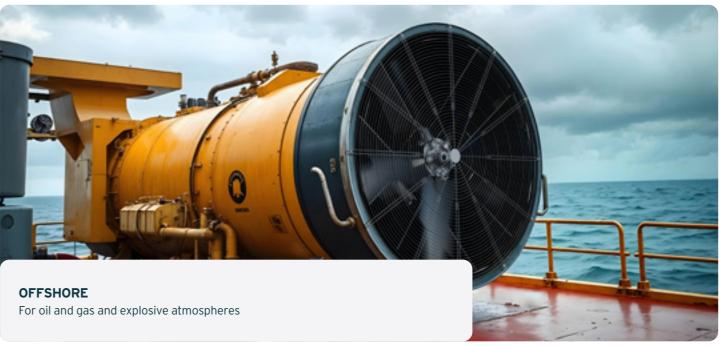
Flexible fan blade extensions reduce noise and improve efficiency by minimizing the tip clearance.

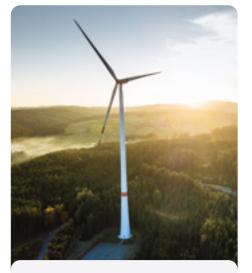
WINGLETS

Winglets reduce blade tip vortexes and minimize fan noise.



APPLICATION EXAMPLES: FROM TOUGH TO EVEN TOUGHER

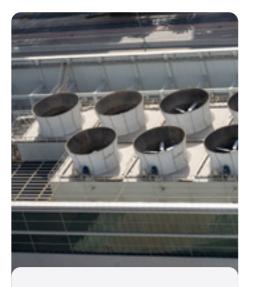




ENERGY Efficient and low-noise cooling for Gensets and wind turbines



WOOD DRYING Homogenous drying with reversible airflow



COOLING TOWERS For high relative humidity and low noise



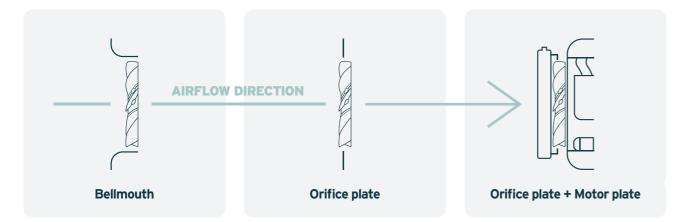


OFF-HIGHWAY POWERTRAIN COOLING For highest pressures in harsh environments

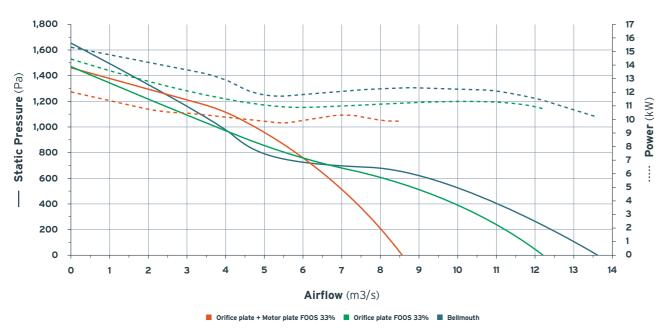


GREENHOUSE & LIVESTOCK VENTILATION High efficiency and maximum throw length





850/6-6L/PMAX4 @1800 rpm with 1% tip clearance







Optimiser is Multi-Wing's product selection software which helps our customers to opt for the best axial fan solution matching their specific demands.







SHAPING AIRFLOW FOR FUTURE GENERATIONS

MULTI * WING

Central to our mission and strategy is a concern for environmental impact - of our business, products, and their applications.

EFFICIENT & DURABLE FANS

Designed to reduce energy consumption, lowering costs and CO₂ emissions.

***** LEGISLATION COMPLIANCE

Fans are repairable and serviceable, making them last longer, decreasing raw material use.



A GREENER TRANSITION

Exceeding ESPR and DOJ standards for peace of mind.

LIFETIME MAXIMATION

★ DRIVE REPLACEABILITY

Design for proper recycling of electronics at end of life.

SCIENCE-BASED TARGETS

Approved with a market leading net zero goals aligned with the Paris treaty.

UN GLOBAL COMPACT

Active membership of the world's #1 corporate sustainability initiative.

RECYCLED MATERIALS

>90% recycled aluminum from our main source.

***** GLOBAL PROXIMITY

Minimizing shipment of components and offering returnable packaging.

OUR DEDICATED ESG TEAM

Ready to help you achieve your sustainability goals.

OUR COMMITMENT TO SUSTAINABILITY



GET IN TOUCH

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