



MULTI*WING

KEEPING COOL WITH
COUNTLESS OPTIONS

D-SERIES
CASED AXIAL FANS

CASED FANS MADE-TO-MEASURE BUILT TO LAST

D-SERIES

Highlights

Designed for versatility, made to last, even in the harshest conditions.

A highly customizable and robust design (up to IP66 and off shore corrosion protection), with versions built to sustain low (-55°) and high (100°C) temperatures, and everything in between.

D-SERIES OVERVIEW

The D-series cased fan range features robust industrial construction based on AC IEC motors. This makes it an ideal choice for industrial applications such as ventilation, condensers, power generation, and evaporators.

The perfect case

The D-series comes in short, medium, and long cased options, plus integrated bell mouth design casing.

When you want options

With over 800 pre-configured variants ranging from 315 to 1,560 mm matching the Eurovent standard sizes and fixations, we have the perfect solution ready for you - quickly.

ATEX

ATEX for Gas atmospheres up to Zone II 2/2G
Ex-h IIB+H2 T4 Gb.

Built tough

Built to be versatile and durable, even in the toughest conditions.

Modular Design

Deployable in harsh environments with easy servicing. Individual part replacements make the fan more serviceable and eco-friendlier.





Stable climate all year around

Livestock, grain or seed drying, greenhouses and stables require the best climate conditions in every season. Our D-series brings the required fresh air in summer, and the perfect ventilation in winter.

Our fans can withstand the harsh conditions with high humidity and ammonia concentration.

Our D-series can also be used in silo applications with its special ATEX configuration, or for seeds and bulbs storage.



Food-Grade Kitchen Wonder

Thanks to its food-grade optional features, our D-series can be widely used in food processing applications.

With this fan range, you can control the climate in the ripening chambers by achieving the exact required flow at any time. With its infinite possibilities, the D-series can also be used in the cake, chocolate and beverage industries.

You can also use them for severe environments such as pasta drying (High temperatures and humidity) and blast freezing (extreme low temperatures).



Keeping cool

Our D-series is designed for all industrial refrigeration applications such as chillers, freezing tunnels and cold storage.

Vast amount of configurations available to achieve the perfect match in complicated environments with low temperatures and high humidity.



Ocean-proof sturdiness

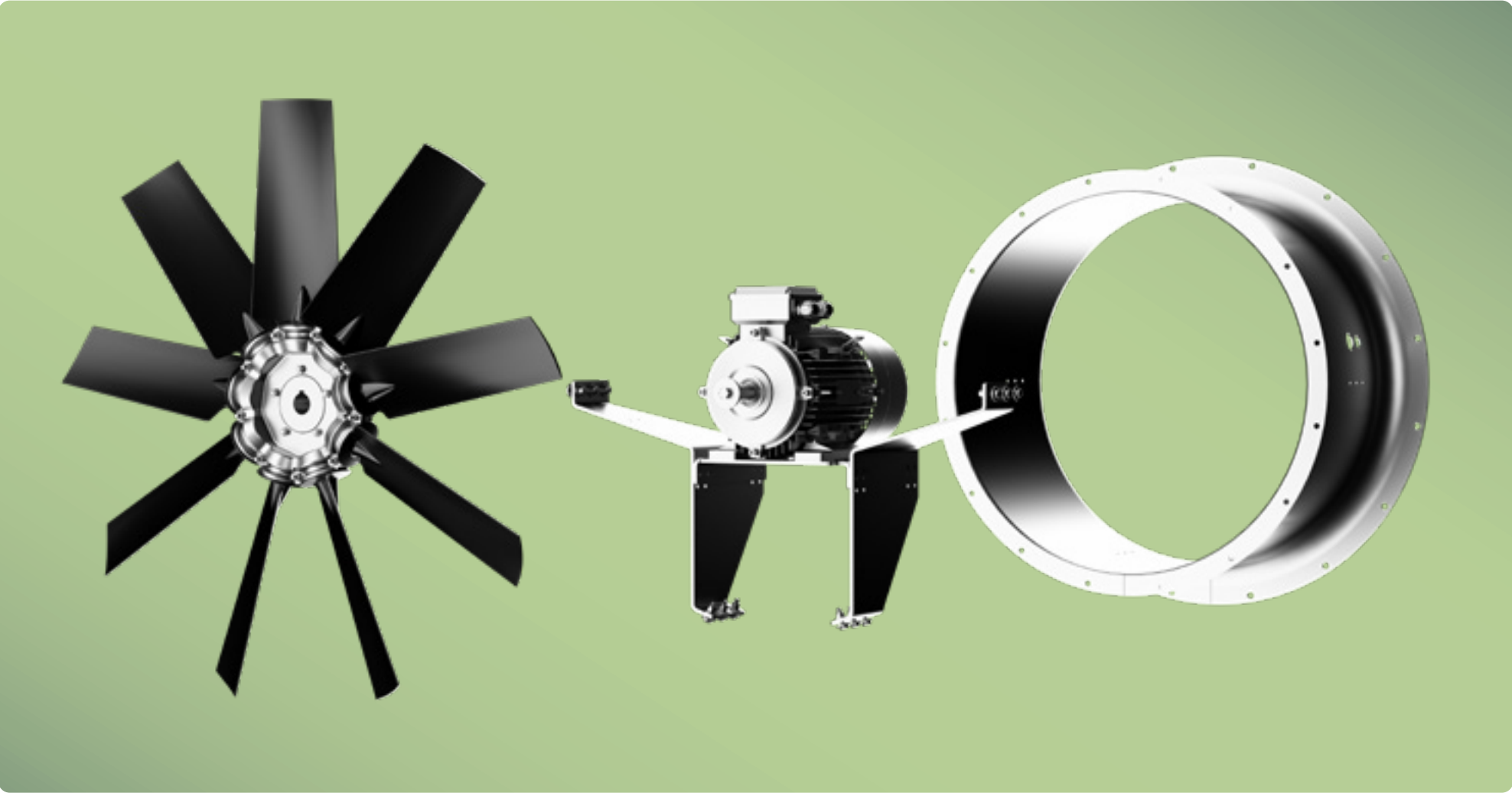
Our robust and reliable D-series can be installed in all power generation equipment. This fan range can deliver the requested ventilation for Diesel engines, gas turbines, electric power plants and so on.

Combining excellent performance, efficiency, and corrosion protection, can be also used on offshore windmill farms. Our D-series combines durability, robustness, efficiency, and high corrosion protection up to CX.

Merged with our ATEX special features up to Zone 1, this becomes the perfect range for every oil & gas offshore applications.

D-SERIES
CHARACTERISTICS

MULTI*WING



Ultimate customizability

We offer more than 100,000 impeller variants ready to optimize your airflow needs, made out of a variety of materials including:

- Glass-reinforced polypropylene (PPG)
- Glass-reinforced polyamide (PAG nylon)
- Anti-static glass reinforced polyamide (PAGAS nylon)
- Vibration-stabilized glass-reinforced polyamide (PAGST super tuff nylon)
- Aluminum (AL)





The right case

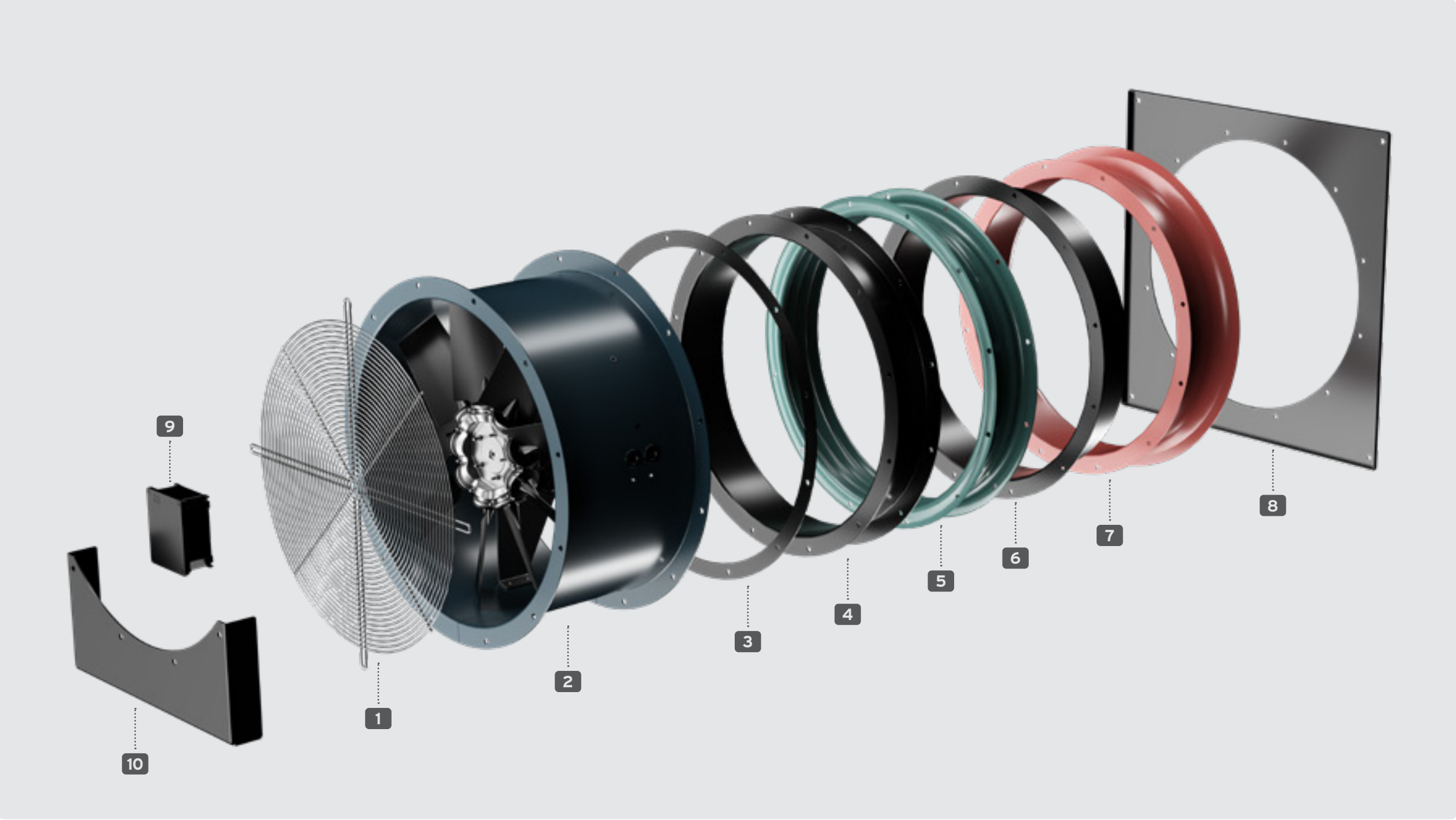
Standard casings are powder coated, and other finishes are available such as custom color, hot dip galvanization and stainless steel AISI316. You can even choose between short, medium, long, and integrated bellmouth designs.

The right motor

Because the right motor is important. Choose from a variety of IEC motors at IE3 or above efficiency along with a wide array of ATEX motors to solve the hardest of problems. The motor can operate smoothly from -50°C to +100°C (-58°F to 212°F) and can meet up to ATEX Zone 1 standards.

| Standard features | |
|-------------------------------------|--|
| Directive | IP5a EU Machinery Directive 2006/42/EC 5 |
| Dimensions standard | Eurovent |
| Classification | Safe Area |
| Environment | Clean/dry air |
| Voltage | 3~ 230/400V - 400/690V +/- 5% |
| Frequency | 50 Hz +/- 2% |
| Efficiency | IE3 |
| ErP compliancy | ErP 2015 |
| Temperature range | -20°C to +60°C |
| Altitude | ±1000m |
| Casing finish / Fan corrosion class | Powder coated RAL7038 / C2 |
| Certifications | CE / UKCA |

| Optional features | |
|--|--|
| Min./Max. temperatures | -55°C to +100°C |
| Absolute humidity | up to 100g/m³ |
| Casing | Choice of casing material coatings and colour finishes |
| Safety | External junction box and safety switches |
| ATEX | for Gas atmospheres up to Zone 1 II 2/2G Ex-h IIB+H2 T4 Gb |
| Blade materials | Different blade material (PAG, PAGAS, aluminum and more) |
| <div><div> ANTI-CORROSION</div><div> HIGH/LOW TEMPERATURES</div><div> ATEX (ZONE 1, ZONE 2...)</div><div> IP66 (IP66...)</div></div> | |



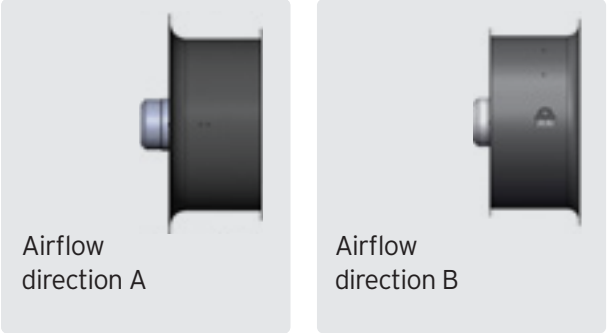
Plenty of options

- 1 Fan grid
- 2 Casing
- 3 Matching flange
- 4 Inlet bellmouth
- 5 Flexible connector
- 6 Single flanged ring
- 7 Double flanged ring
- 8 Wall plate
- 9 Connection box
- 10 Mounting feet

Casing

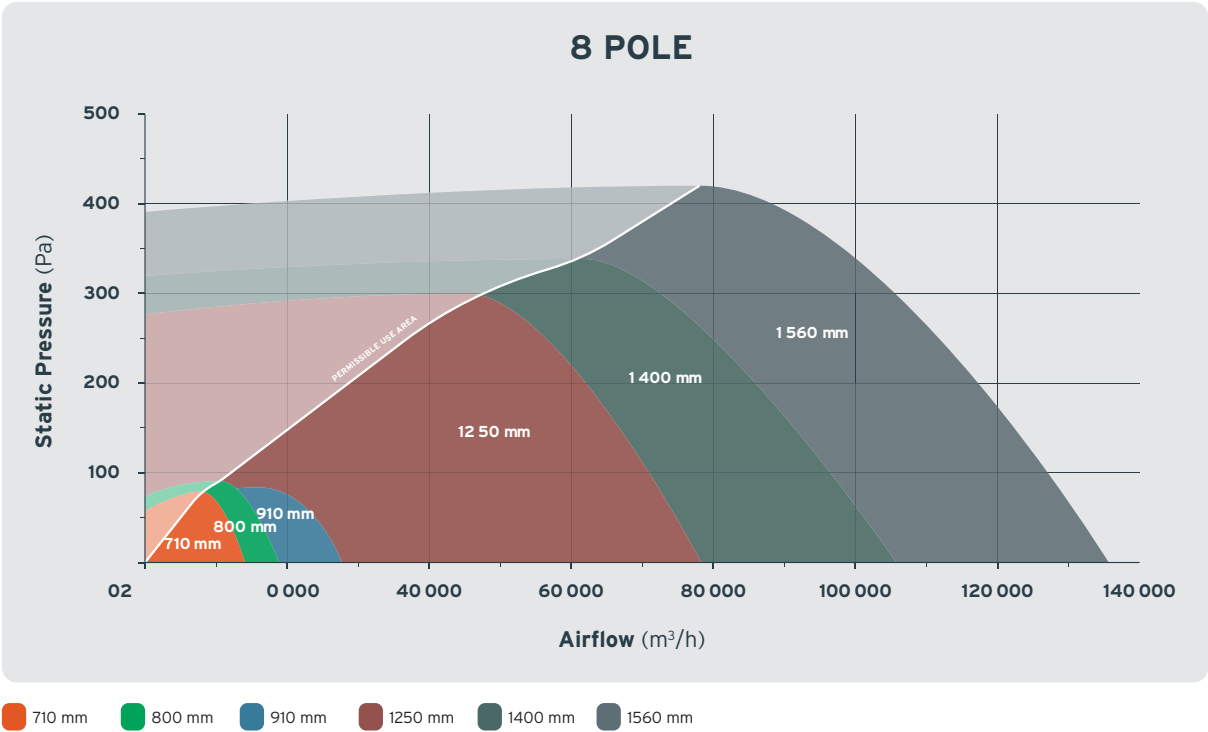
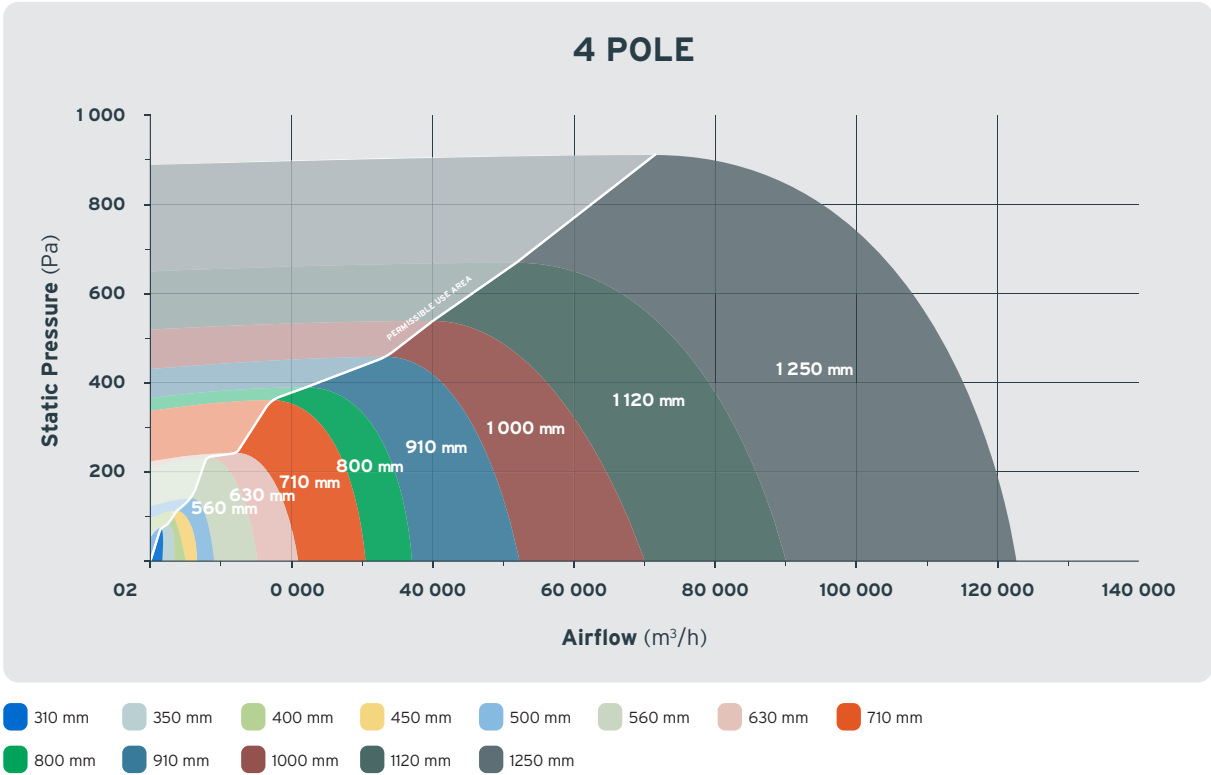
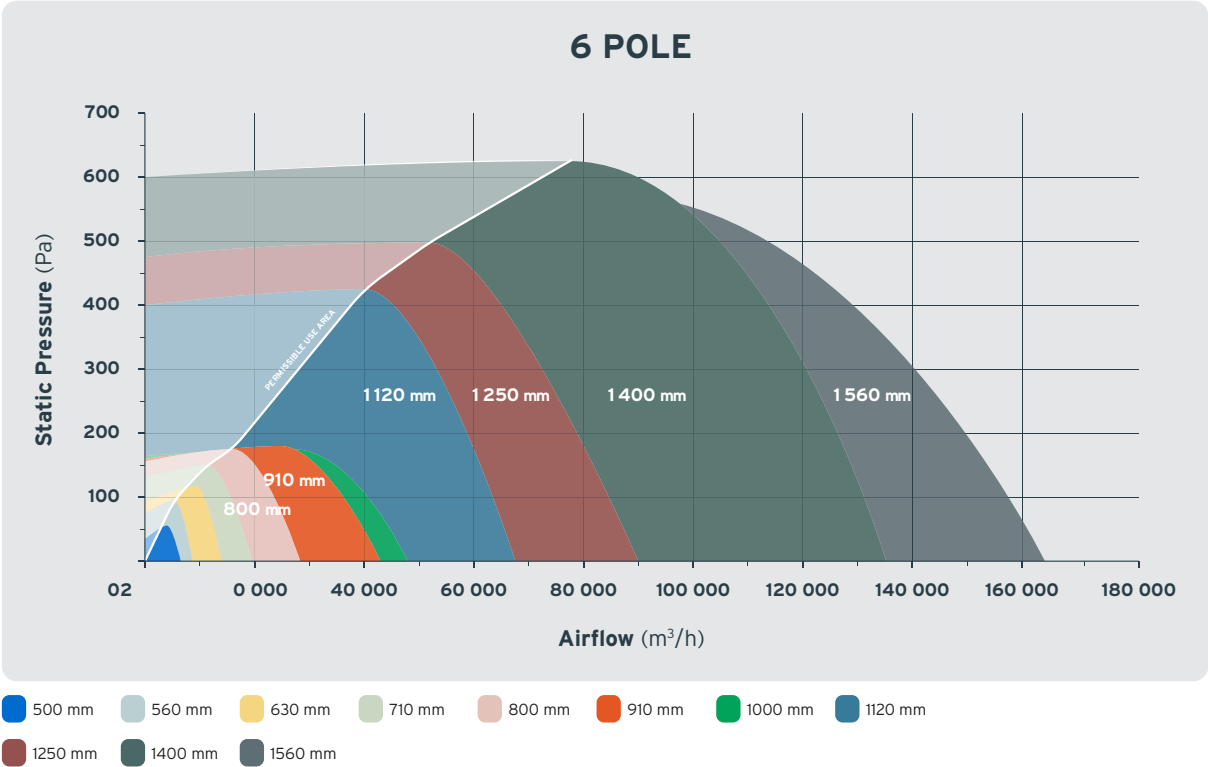
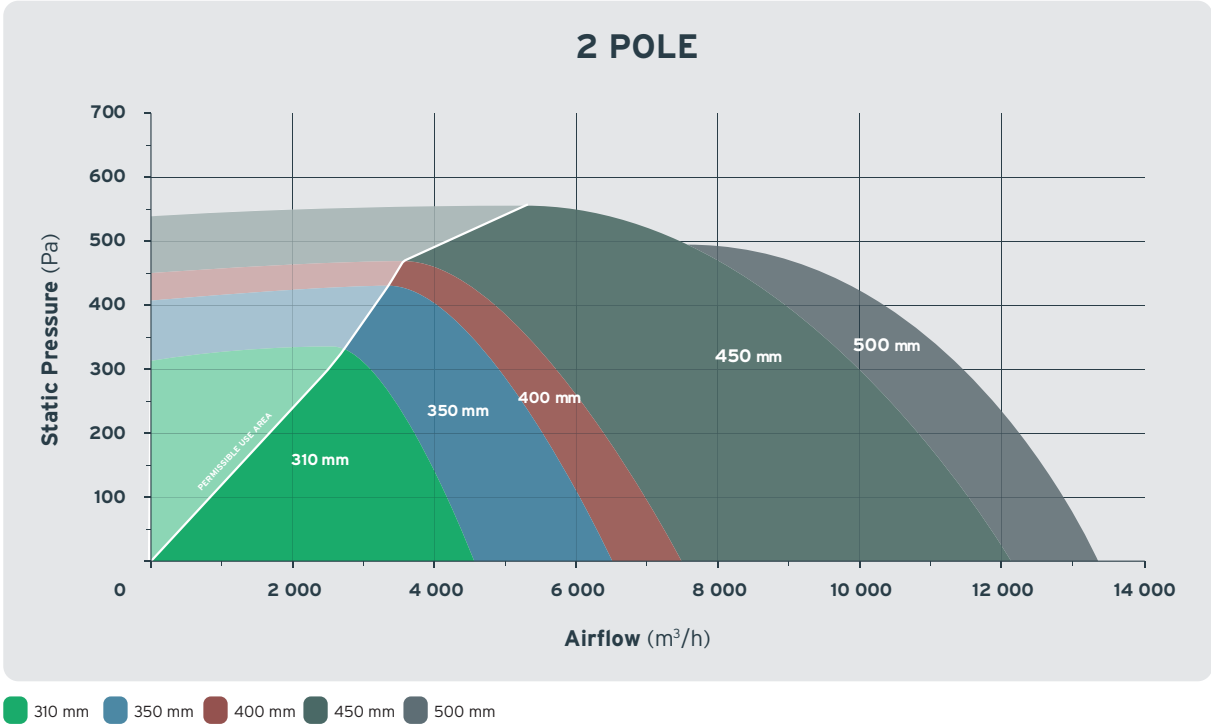


Integrated Bellmouth



PERFORMANCE GRAPHS
AIRFLOW/PRESSURE

MULTI*WING



Measuring conditions: Performance data is measured after ISO 5801, installation category A, as a complete axial fan without fan guard. Data refer to air density 1,2kg/m³ (20° sea level). Sound data is measured at suction-side. The data apply only under the specified measuring conditions and may change due to installation conditions. In case of deviations from the standard design, the characteristic values must be checked in the installed condition. Upon request sound data according to ISO 3745 can be measured.

If you cannot reach your duty point, please contact us.
We will find a solution thanks to our 100.000 impeller combinations.

SHAPING AIRFLOW FOR FUTURE GENERATIONS



MULTI*WING

*** A GREENER TRANSITION**

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**

Exceeding ESPR and DOJ standards for peace of mind.

*** LIFETIME MAXIMATION**

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

*** 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**

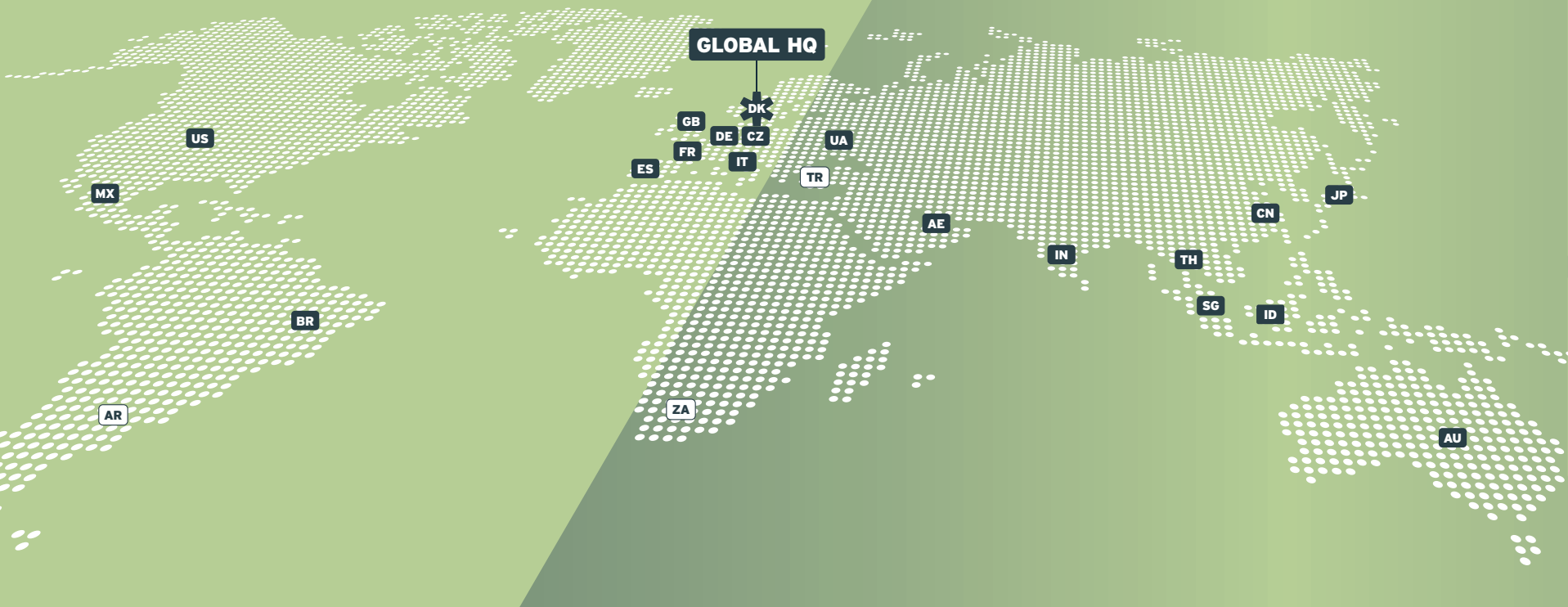
Ready to help you achieve your sustainability goals.

OUR COMMITMENT TO SUSTAINABILITY

GLOBAL REACH, LOCAL PRESENCE

Fast and relevant support.
Anywhere in the world.

Our global team of Multi-Wing engineers and technicians is like a well-oiled machine, working together to keep things running smoothly. Our major hubs and local entities act as one team with only one purpose: Giving you the best experience.



WHERE ARE YOU FROM?

No matter where, we look forward to serving you.

GLOBAL HEADQUARTERS

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Staktoften 16
2950 Vedbæk (Copenhagen), Denmark

+45 4589 0133
info@multi-wing.com

EUROPE

Czechia • Nový Bydžov (Hradec Králové)
France
Germany • Quickborn (Hamburg)
Italy • Milan
Spain • La Roca del Vallès (Barcelona)
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multi-wing.com
info@multi-wing.com