



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

MULTI*WING

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.

D-SERIES

APPLICATIONS



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.



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.



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).



Ocean-proof sturdiness

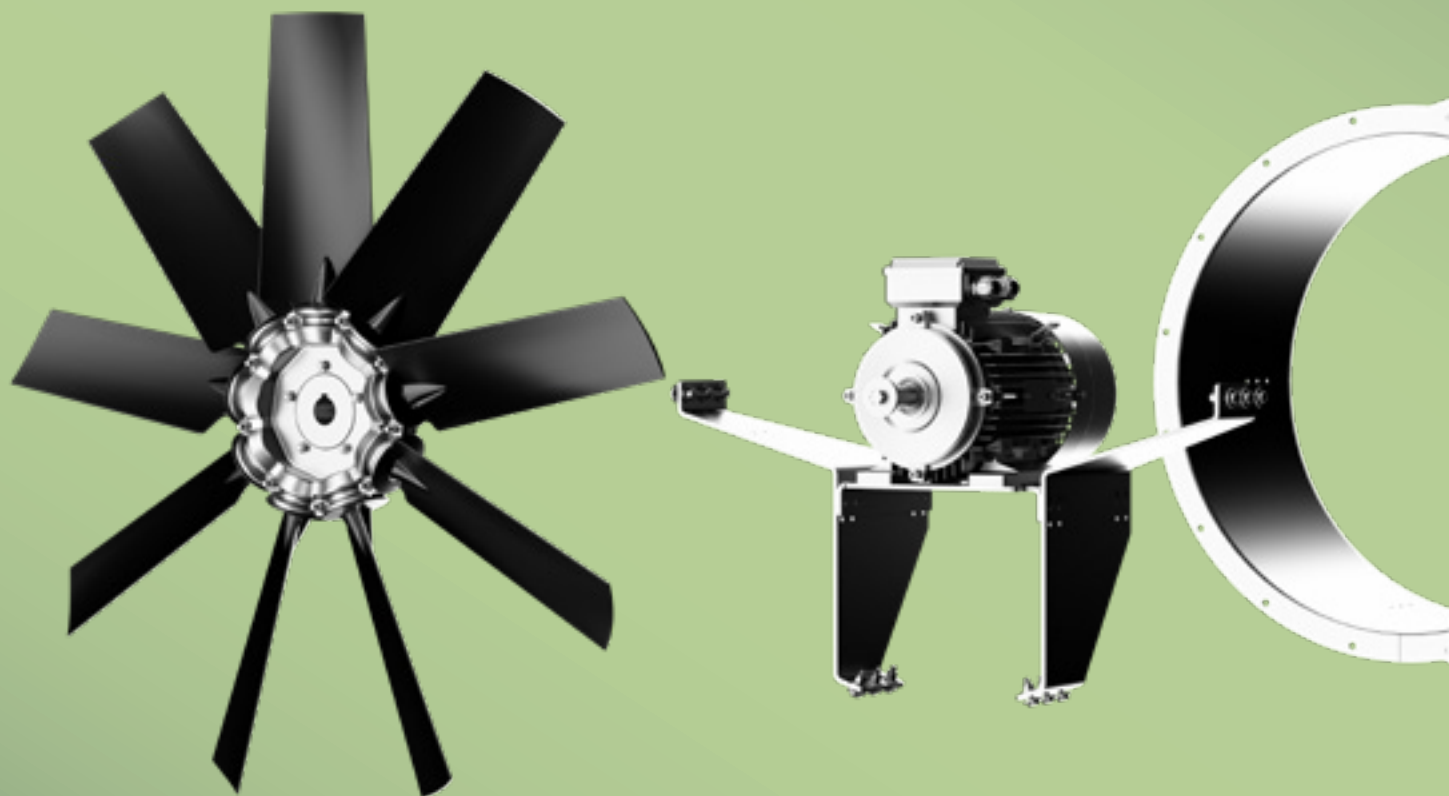
Our robust and reliable D-series can be installed in all power generation equipment. This fan range can deliver the requested ventilation for Diesel engines, gas turbines, electric power plants and so on.

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



Ultimate customizability

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

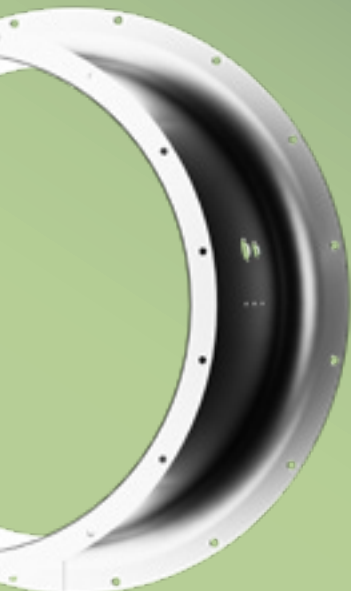
- Glass-reinforced polypropylene (PPG)
- Glass-reinforced polyamide (PAG nylon)
- Anti-static glass reinforced polyamide (PAGAS nylon)
- Vibration-stabilized glass-reinforced polyamide (PAGST super tuff nylon)
- Aluminum (AL)

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

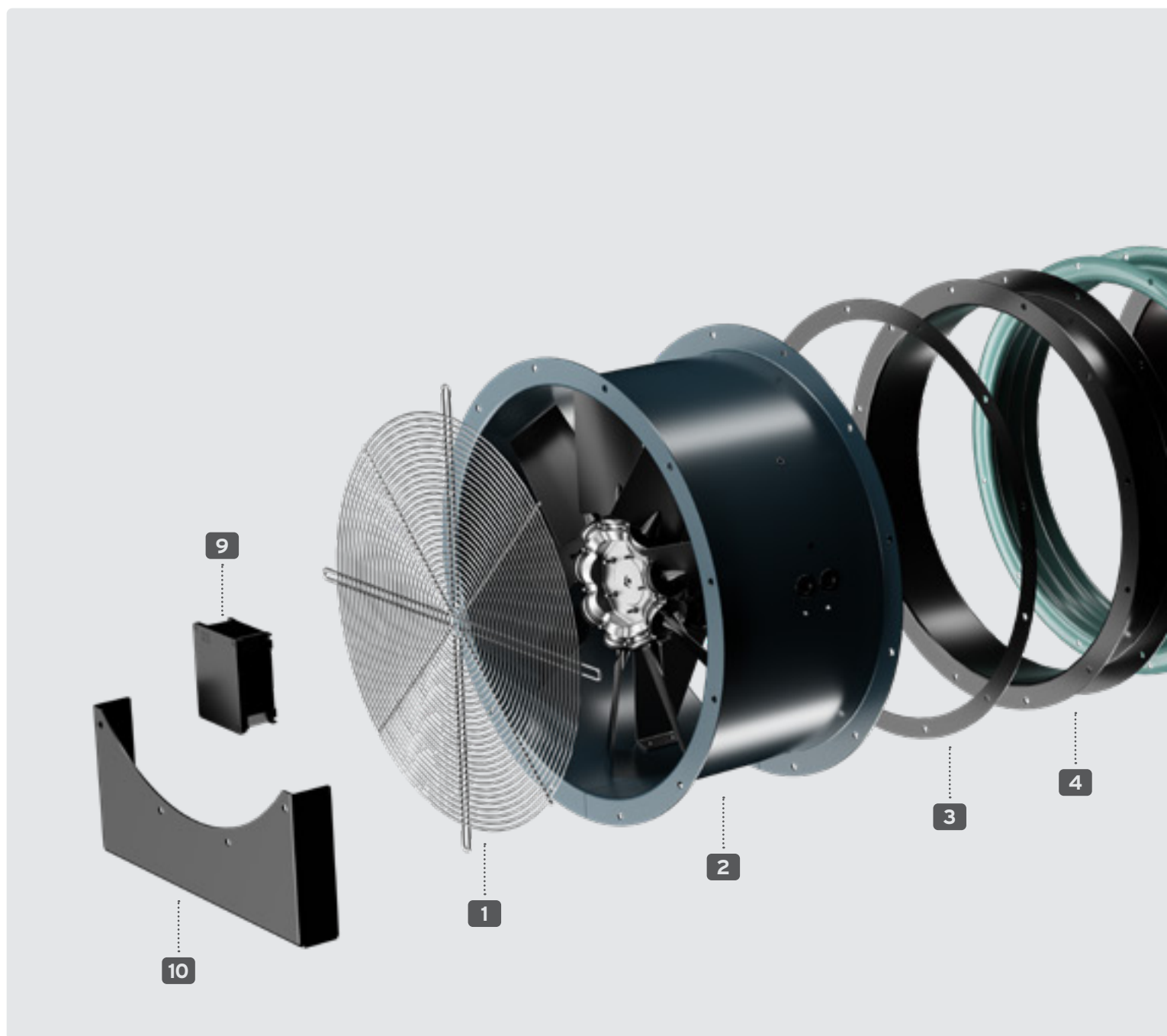
Directive	IP5a EU Machinery Directive 2006/42/EC 5
Dimensions standard	Eurovent
Classification	Safe Area
Environment	Clean/dry air
Voltage	3~ 230/400V - 400/690V +/- 5%
Frequency	50 Hz +/- 2%
Efficiency	IE3
ErP compliancy	ErP 2015
Temperature range	-20°C to +60°C
Altitude	±1000m
Casing finish / Fan corrosion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

Optional features

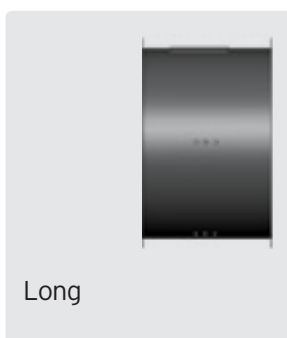
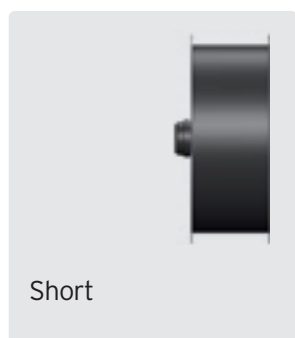
Min./Max. temperatures	-55°C to +100°C
Absolute humidity	up to 100g/m ³
Casing	Choice of casing material coatings and colour finishes
Safety	External junction box and safety switches
ATEX	for Gas atmospheres up to Zone 1 II 2/2G Ex-h IIB+H2 T4 Gb
Blade materials	Different blade material (PAG, PAGAS, aluminum and more)
 ANTI-CORROSION  HIGH/LOW TEMPERATURES  ATEX (ZONE 1, ZONE 2...)  IP66 (IP66...)	

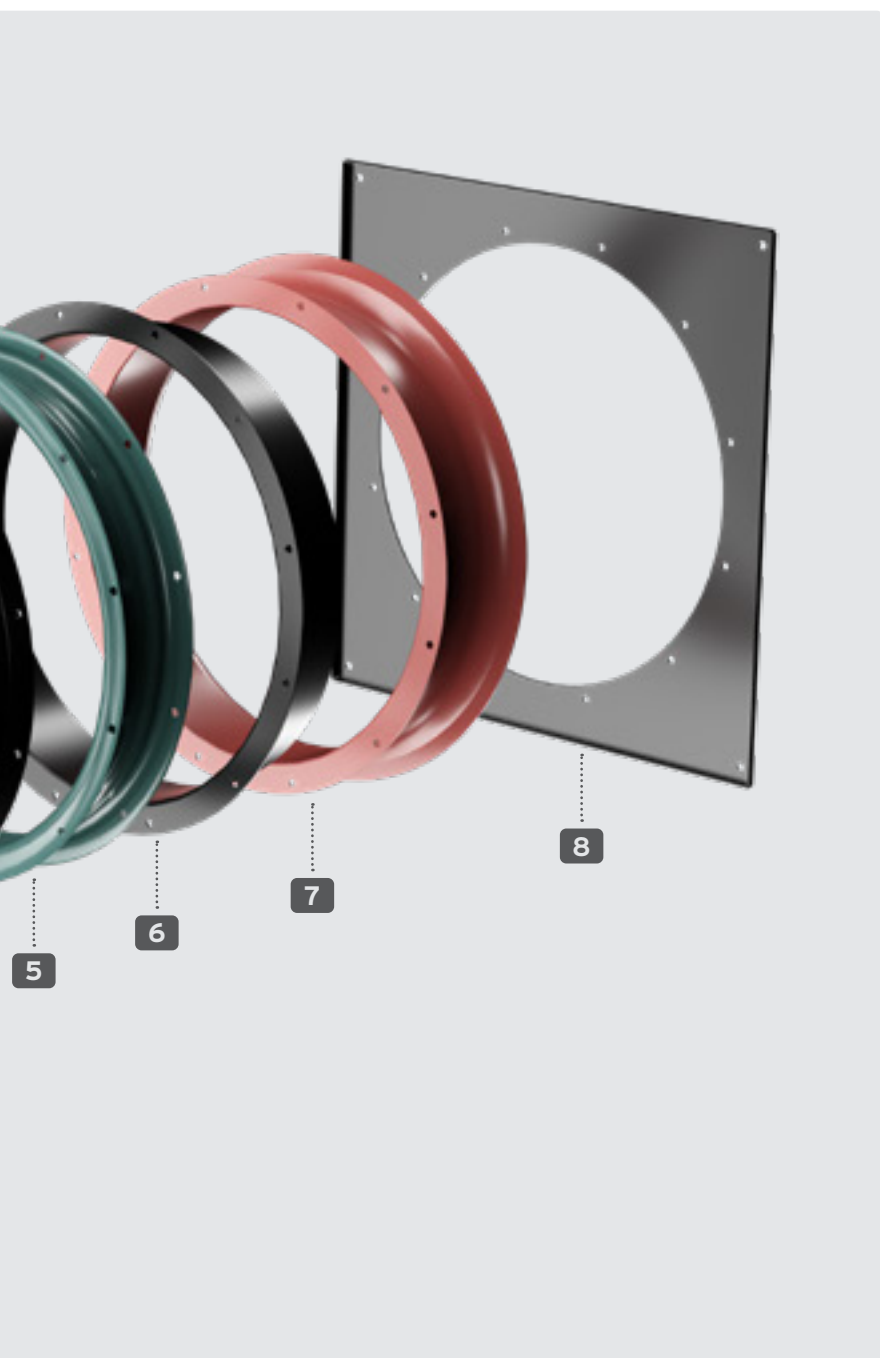
D-SERIES

CASING/BLADES



Casing





Plenty of options

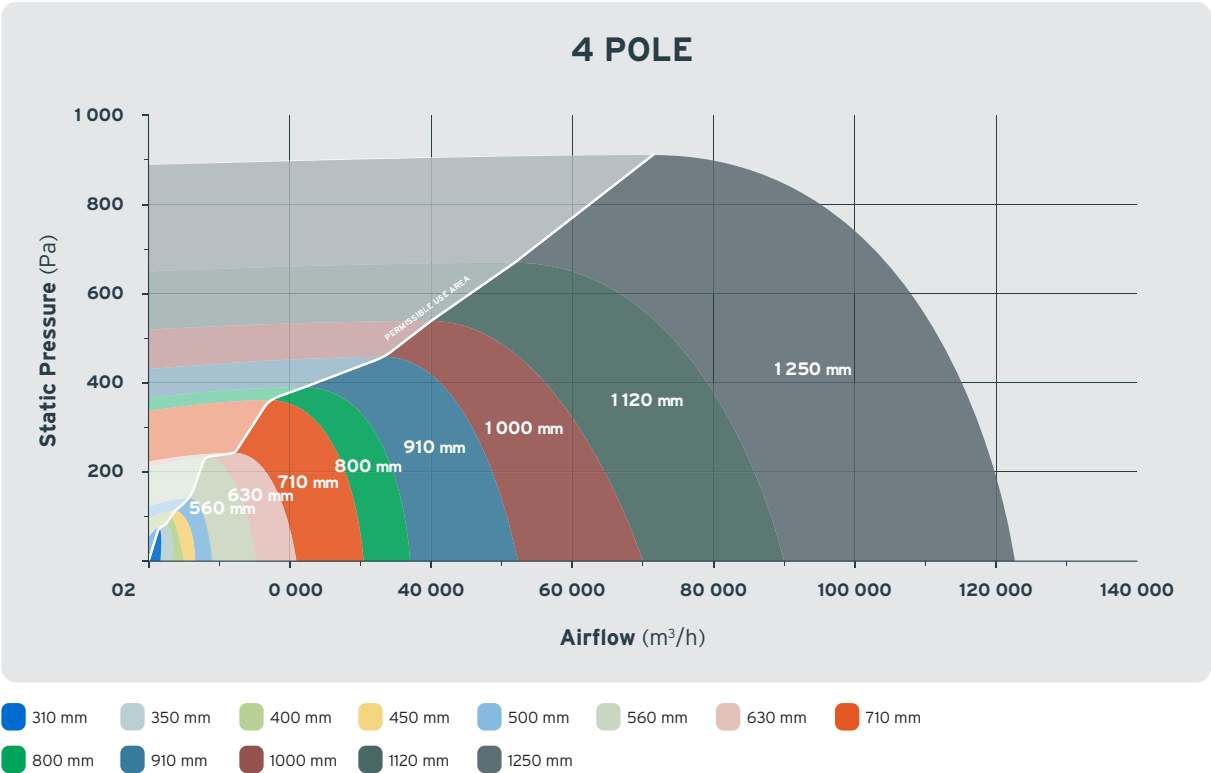
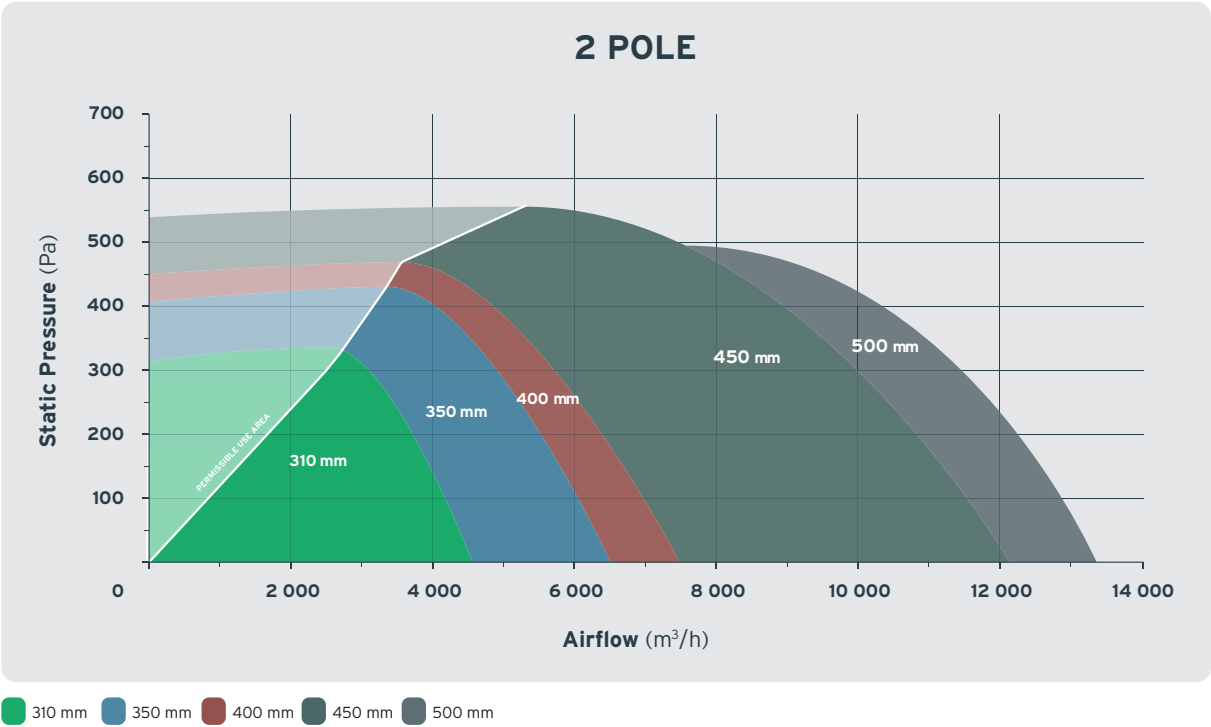
- 1 Fan grid
- 2 Casing
- 3 Matching flange
- 4 Inlet bellmouth
- 5 Flexible connector
- 6 Single flanged ring
- 7 Double flanged ring
- 8 Wall plate
- 9 Connection box
- 10 Mounting feet

Integrated Bellmouth

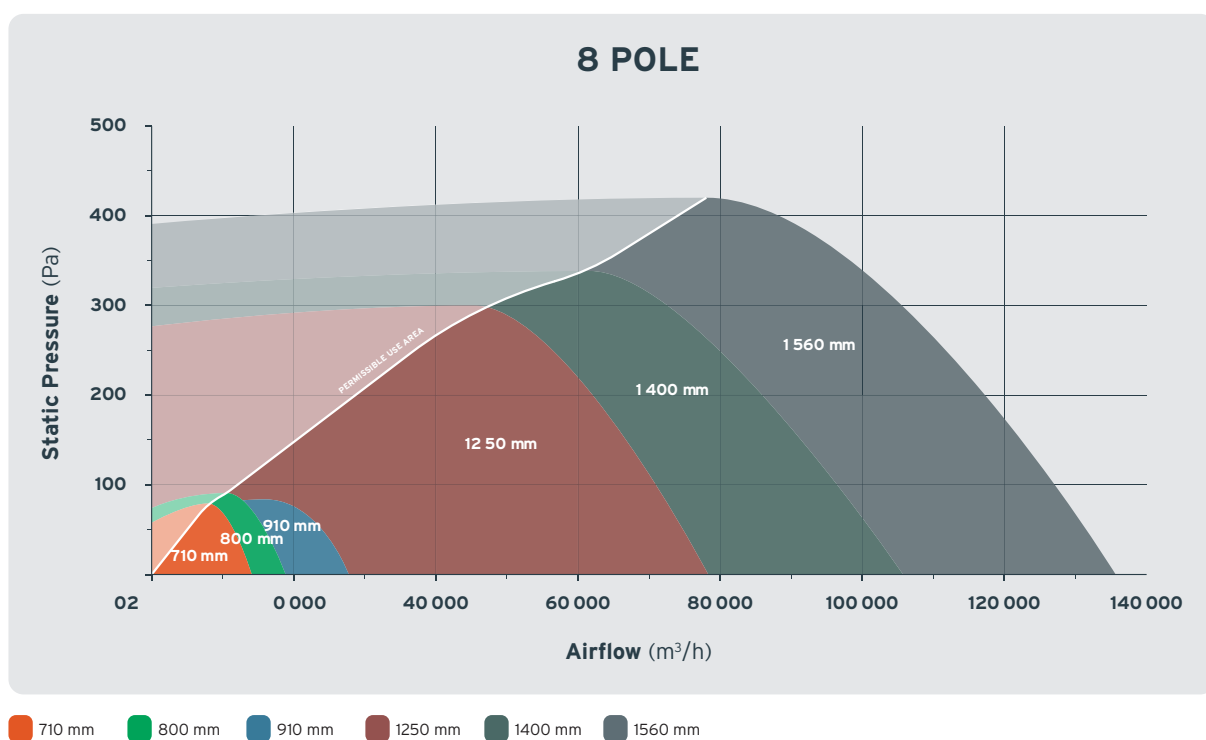
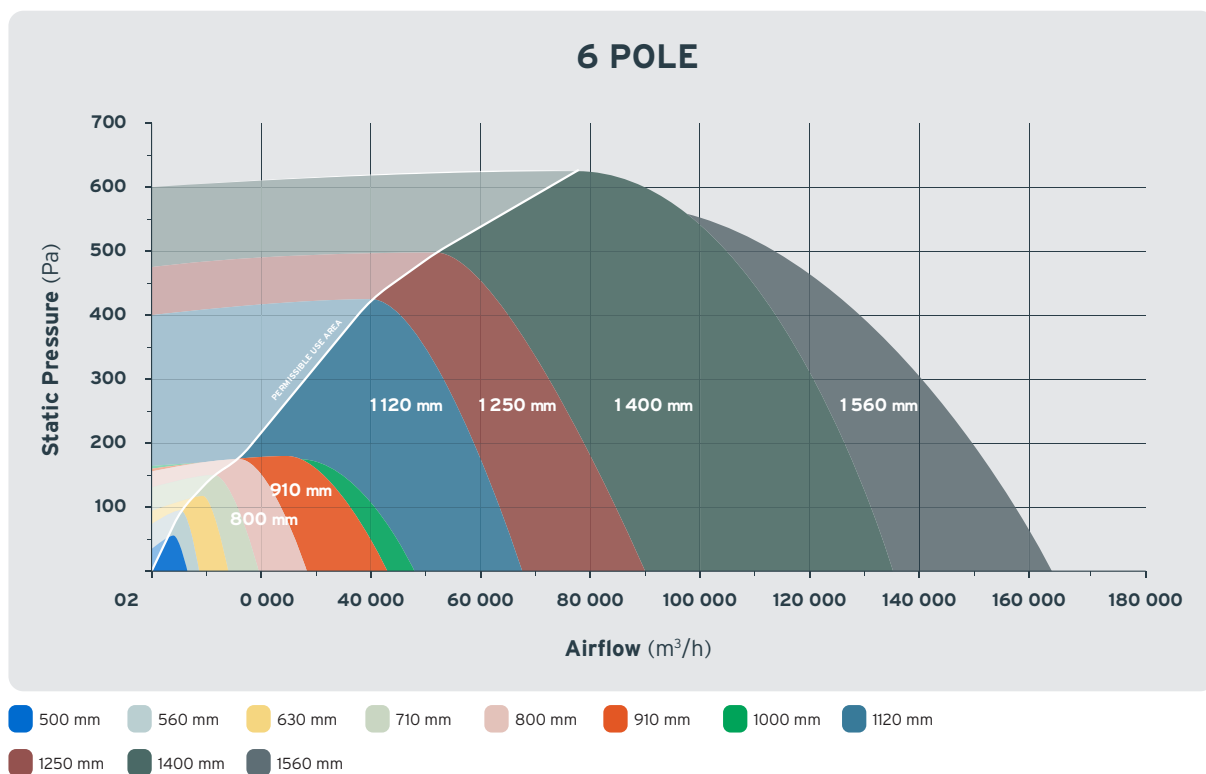


PERFORMANCE GRAPHS

AIRFLOW/PRESSURE



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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France

Germany • Quickborn (Hamburg)

Italy • Milan

Spain • La Roca del Vallès (Barcelona)

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ML-100011 © Multi-Wing 07-2025