



MULTI*WING

**STANDARD
INDUSTRY SIZES
- EXCEPTIONAL IN
ALL OTHER REGARDS**

**C-SERIES
AXIAL FANS**

EC

WE'VE REIMAGINED THE AXIAL FAN

C-SERIES EC

Highlights

C-series fans are compact, quiet and highly efficient. Great for applications where static pressure is low to medium.

They are your ideal choice for dry coolers, adiabatic dry coolers, condensers, chillers, open- or closed-circuit cooling towers and the likes.

Plug and Play

Multi-Wing's fans share clever engineering, robust construction, and perfectly matched components designed to work seamlessly together.

One-stop swap

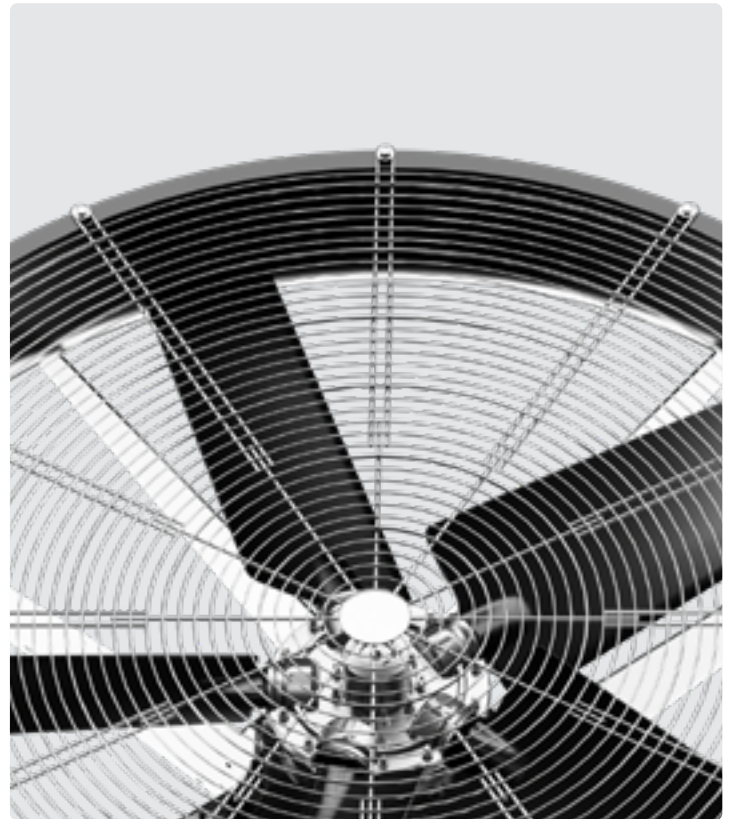
The C-series axial fans offer a unique feature of individual serviceability. This means you have the flexibility to service and replace parts such as the, motor, drive, impeller, casing and supports/grill as per your requirements.

Modular impeller

Multi-Wing Modular impellers sits at the core of the C-series tailoring airflow to your needs, ensuring optimal performance without compromise.

Ready for ErP and FEI

Thanks to the efficient combination of our modular impellers and the internal rotor motors, Multi-Wing's EC axial fans are ready for requirements in the ErP 2026 and FEI regulation.



Built for the elements

With exterior winding close to the airflow surface, our motor dissipates heat better than traditional designs. This results in enhanced durability against temperature swings and moisture, lower motor temperatures and longer bearing lubrication life.

Tough as Nails

Superior IP-rated motors: Standard models come with an IP55 rating, upgradeable to IP66. This level of protection is unmatched by traditional fan motors.

HVAC&R APPLICATIONS

Condenser



Evaporator



Adiabatic cooler



Cooling tower



Energy efficiency



Durability



Noise level

High performance meets high requirements

Our C-series EC fans are the perfect fit for low and medium static pressure applications. Our internal rotor motor makes it compact, fans are available in standard industry sizes, market leading standard features and with multiple add on packages to accommodate high/low temperature, high humidity and harsh environments.

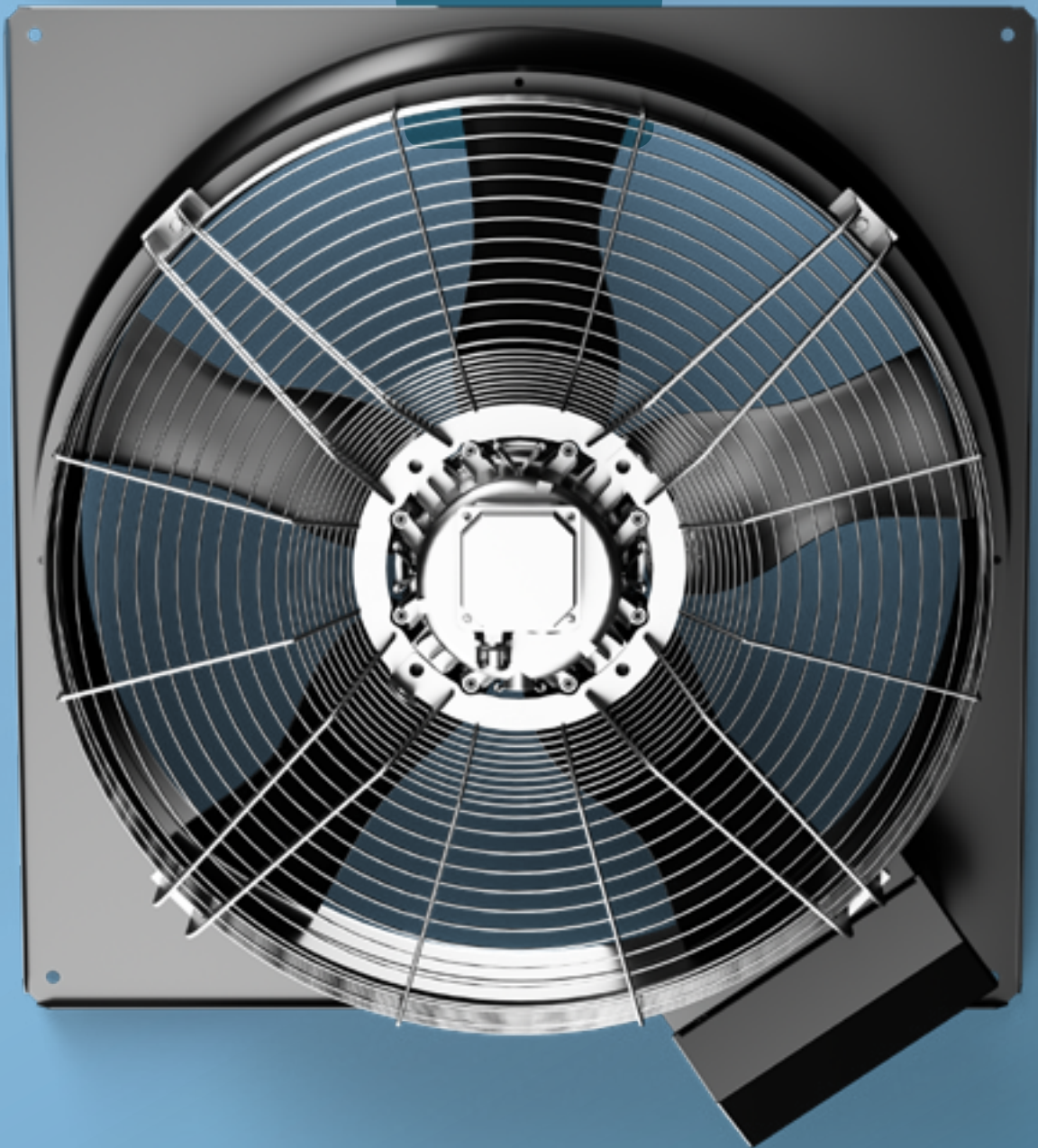


Keep your cool

Rising energy usage continues to be a key challenge for data centers, and achieving green targets is a top priority, as consumers demand greener solutions. Hyperscale data center operators are chasing sustainable operations, while many Co-Location and smaller operators follow suit. Consequently, all fans required for data center applications must be highly reliable and performance to the highest energy efficiency standards. Similarly, as a large share of operating costs relates to cooling, energy efficiency fans provide significant bottom-line impact.

Equip your data center with a Multi-Wing Axial fan to meet the industry-wide requirements of the future.

**HIGH-TEMPERATURE
PERFORMANCE.
PROVEN RELIABILITY.**



Simplicity, robustness, and modularity, all built on a foundation of well-tested and proven components.

Effortless software

Our open MODBUS protocol is like a chameleon - we can adjust it just for you. It's plug and play, with software updates distributed via MODBUS. Plus, it features a logging function for seamless service and troubleshooting.

Enhanced power grid support

The 3-phase 380-480 V drive supports multiple different distribution systems including TN, TT, IT, and corner grounding. Equipped with Modbus RTU (RS485) and 4 configurable I/O ports, it offers flexible integration and control.

Precision engineering

Our aerodynamic expertise ensures the drive's cooling fins dissipate heat to support high temperature operation. Precision engineering at its finest.

Accessible design

We know installation and service are crucial, so we've maximized the lid and made the cable connections removable for your convenience.

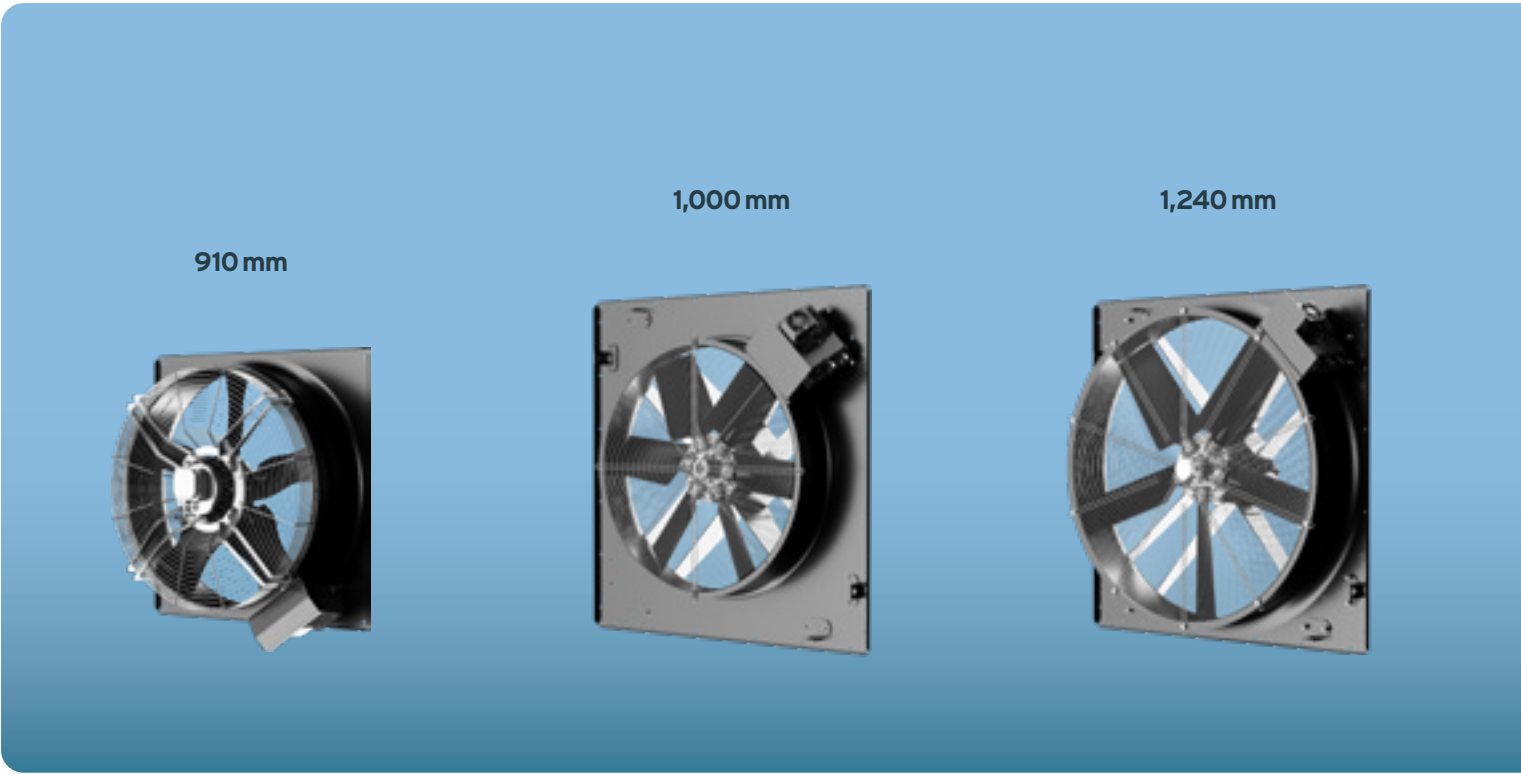
Plug-and-play components

If anything goes wrong, the drive is independently replaceable. Plug and play - it's that simple.

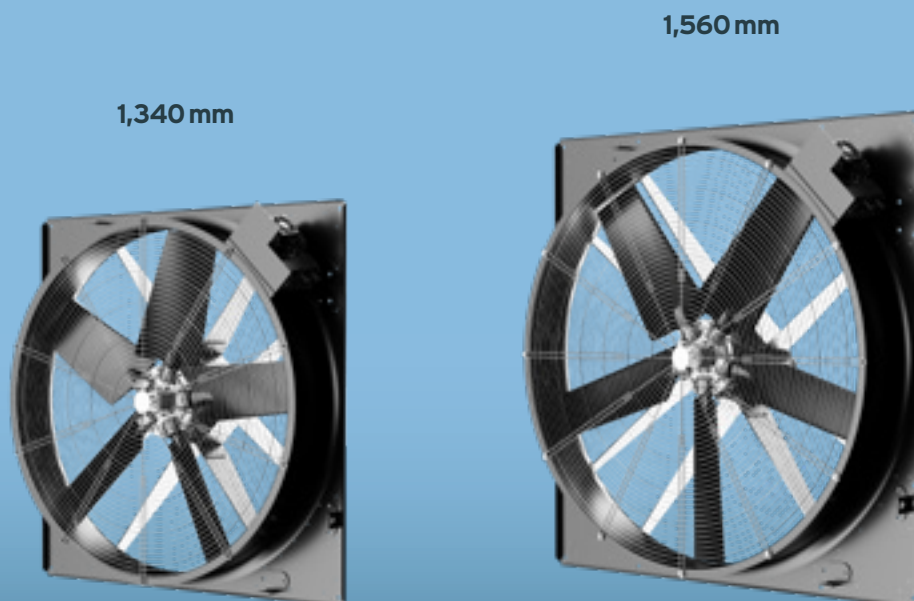
Seamless connectivity

Easily daisy chain power and connection of up to four cables. Connectivity has never been this straightforward.

C-SERIES FAMILY



Standard features	
Power supply	EC 380-480V (50/60 Hz)
Temperature	-40°C to +65°C
Ingress protection	IP55
Insulation class	F
Certification	CE / UK / UL
Motor body	Aluminium or cast iron
Compliance	ErP2015 compliant & ErP2026 ready
Impeller	Reinforced blades and aluminium alloy hub
Fan housing	Pre-galvanized steel and powder coating
Fan guard and support	Electrolytic galvanizing and powder coating

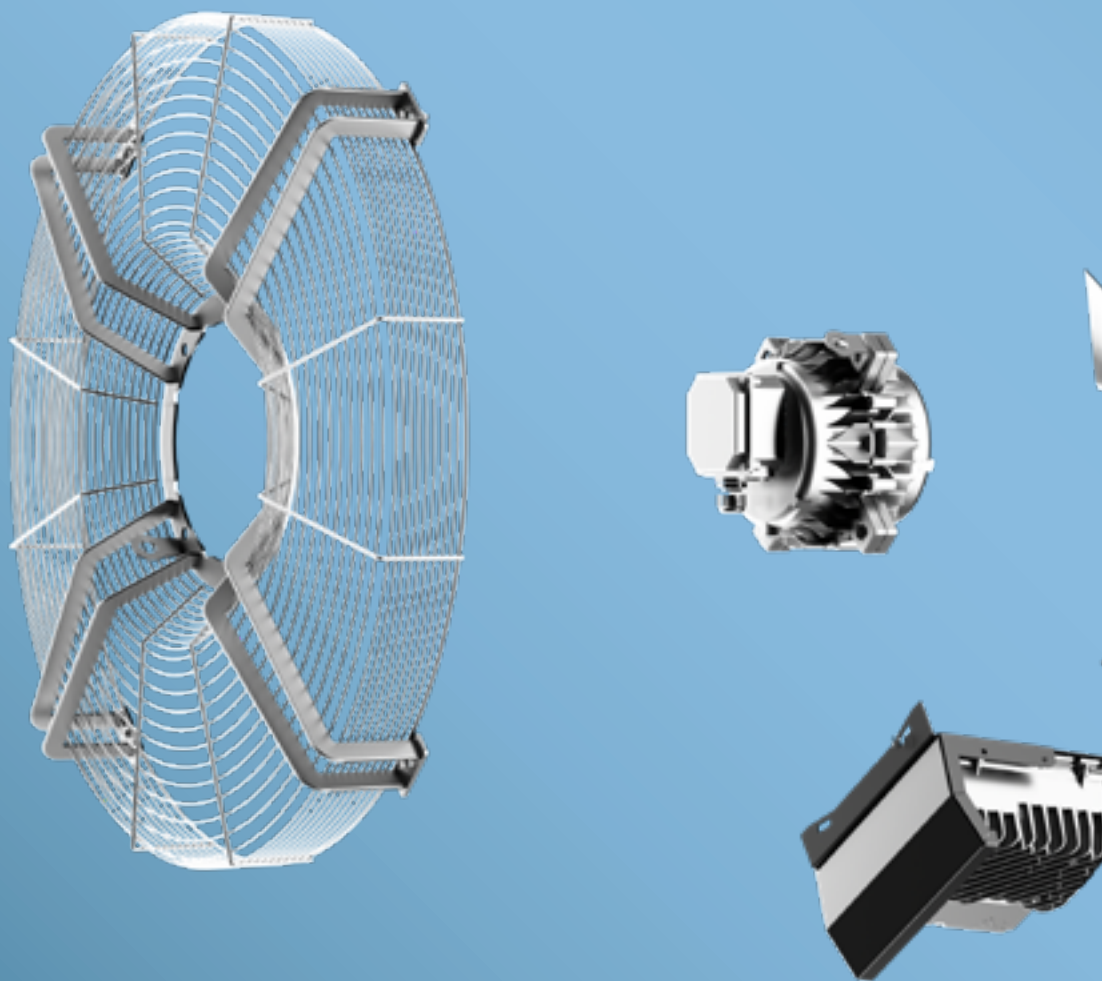


Application-specific packages

1	Seashore	2	High temperature	3	Food industry low temp.
	C5 Medium protection for motor, casing, support and impeller		Fan features, including motor, ready for +80°C operation with drive outside of the air stream		Casing and support AISI 316L protection and start-up -40°C to +50°C
4	Cooling tower	5	Low temperature	6	Increased ingress protection
	Relative humidity up to 95%		Start-up -40°C to +50°C		Motor IP rating increased to IP66

C-SERIES EC

CHARACTERISTICS



Fan guard

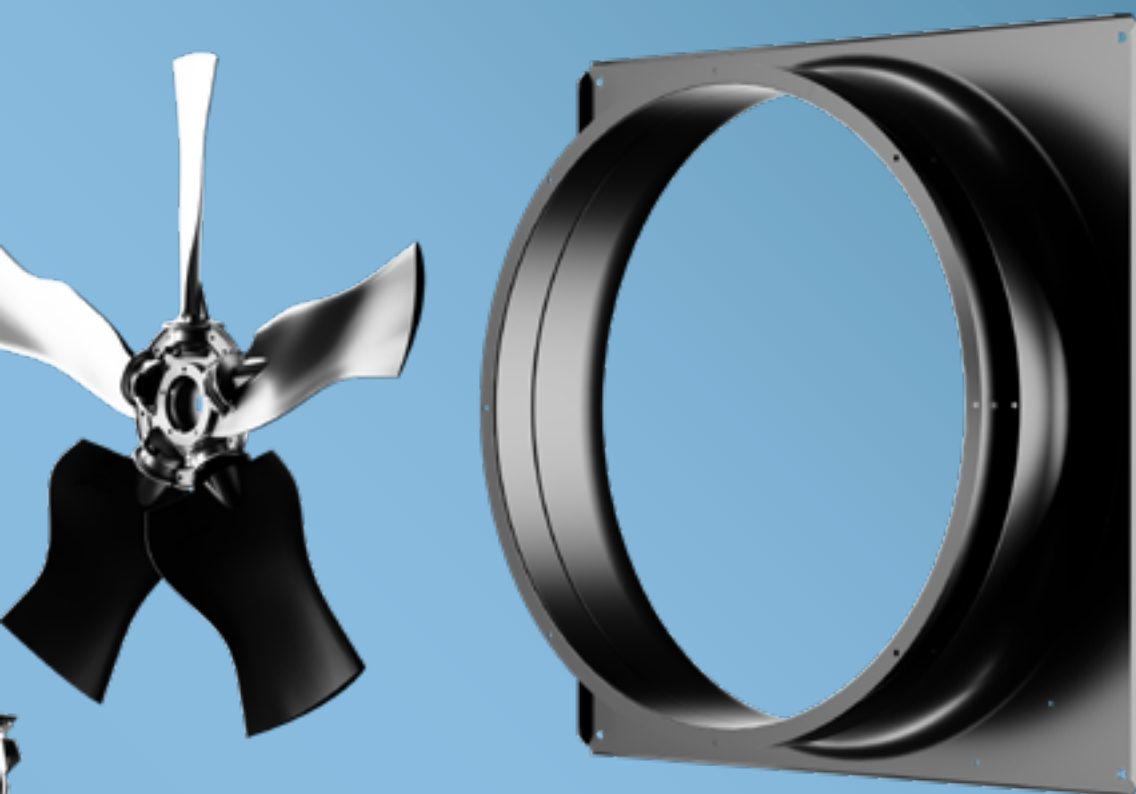
All fan guards are supplied with electrolytic galvanizing and powder coating. Stainless steel is an option.

Motor

Multi-Wing's internal rotor motor is featured on fans with both blowing-side and suction-side positions. For fans 910 mm and smaller, it's compact and mounted on the blowing side. When more power is needed, we use a shaft-up motor on the suction side.

External drive

External drive outside of the airstream to reach higher temperatures and higher power outputs without restricting airflow. Also available for Ultra Low Harmonics applications.



Modular Impeller

The efficient EMAX and SP9 impellers offer top performance for 910mm fans. For larger sizes, rely on the proven W-series impeller. Need something more specific? Choose from over 100,000 impeller variants to optimize your airflow.

Fan housing

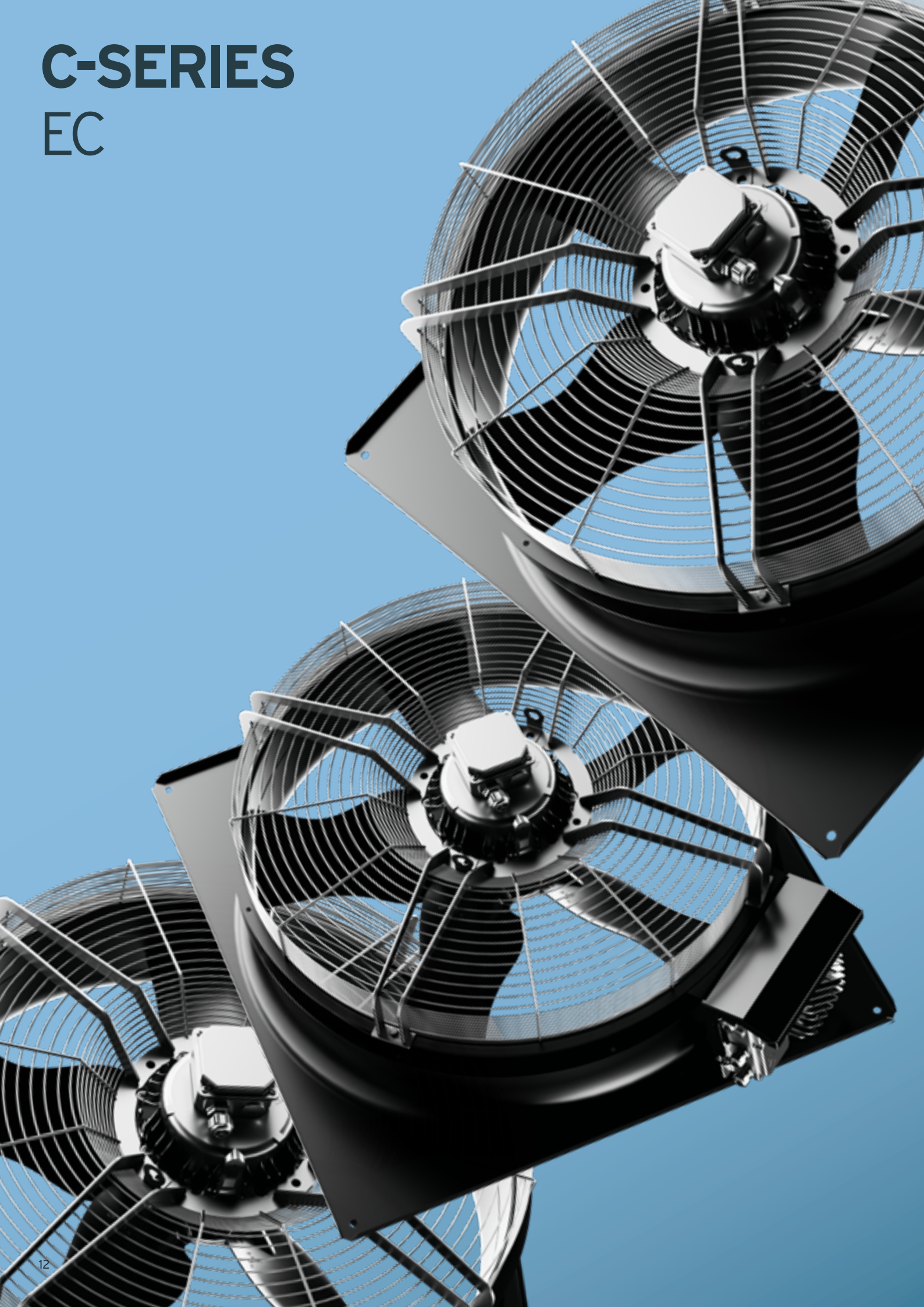
Our own design and production. Square plate, round or no plate at all - we make it fit your application, even when you need it in stainless steel.

Variants



C-SERIES

EC



EC Motors

910 mm

p. 14-15

1,000 mm

p. 16-17

1,240 mm

p. 18-19

1,340 mm

p. 20-21

1,560 mm

p. 22-23

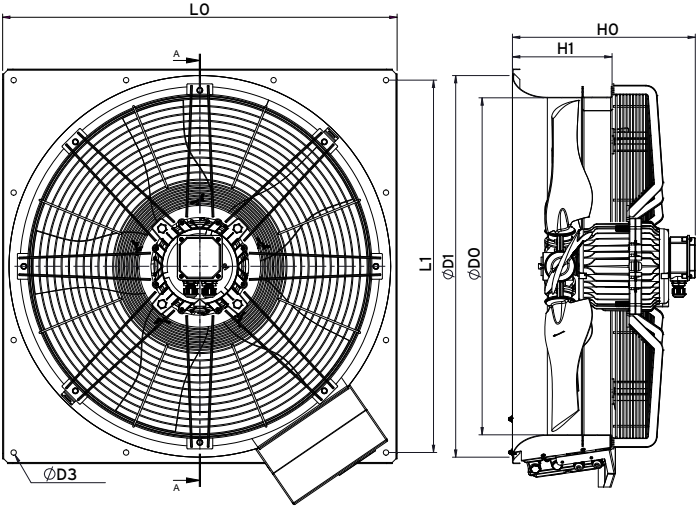
C-SERIES

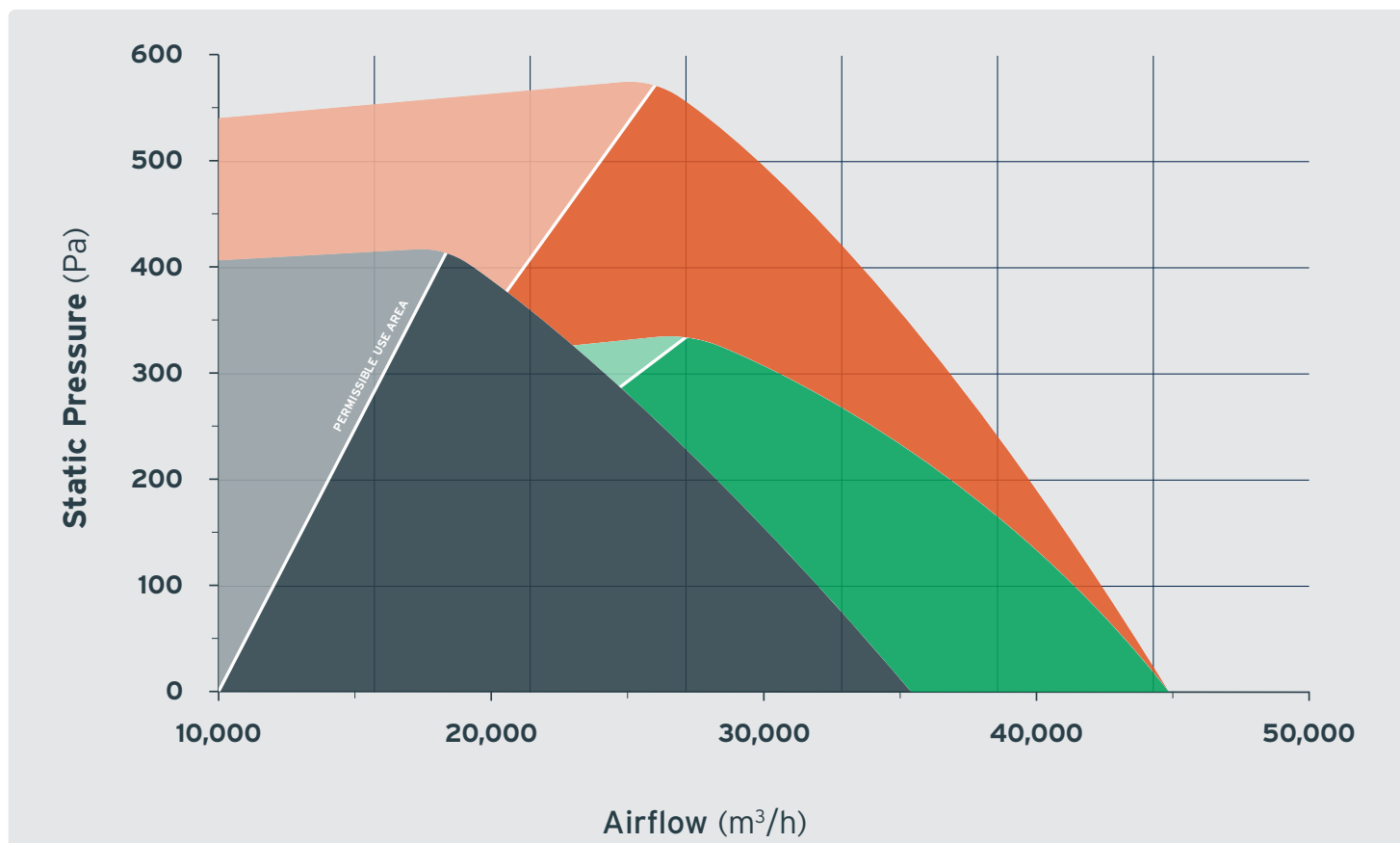
910 mm



Dimensions

	L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D3 [mm]	H0 [mm]	H1 [mm]
1	1,070	1,010	914	1,035	14.5	458	270
2	1,070	1,010	914	1,035	14.5	496	270
3	1,070	1,010	914	1,035	14.5	496	270





Conditions

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 1.2 kg/m^3 (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.

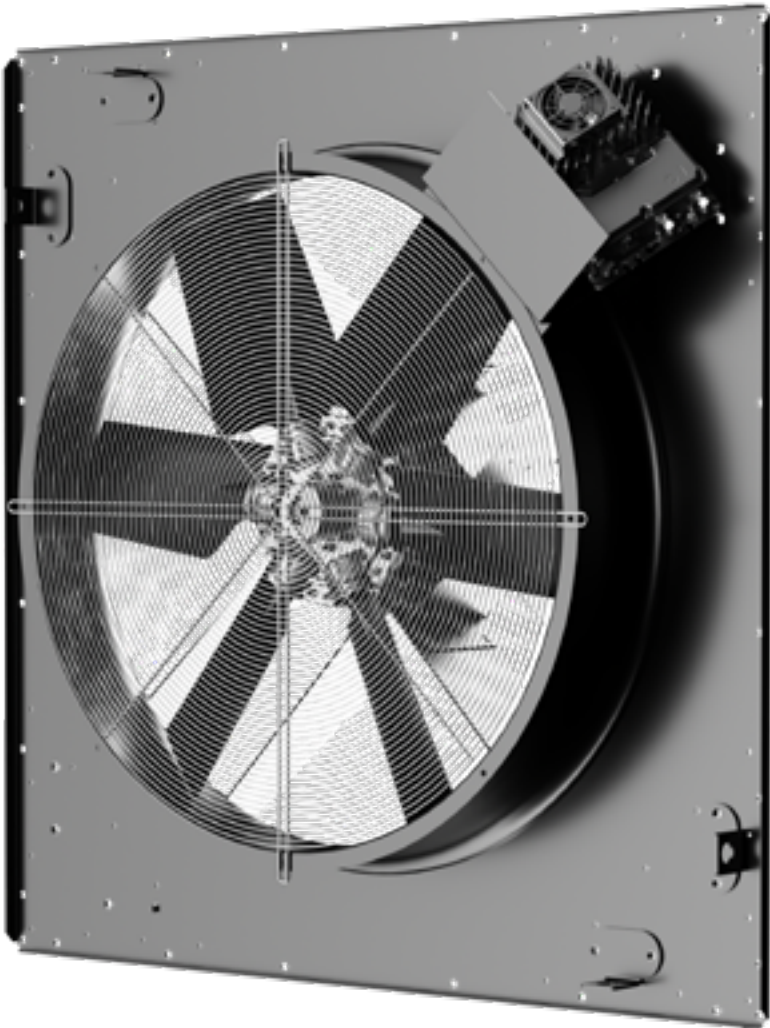
Legend

- 1 C-JFW 091-30-8B-92-G-OY05V4-A
- 2 C-JVW 091-44-8B-80-G-XZ0504-A
- 3 C-JFW 091-34-8B-104-G-8Y05_4-A

PART NUMBER	SPECIFICATION CODE	SPEED (RPM)	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)	STATIC PRESSURE (Pa)
10150820	C-JFW 091-30-8B-92-G-OY05V4-A (100%)	1,380	3.12	3.98	0
	C-JFW 091-30-8B-92-G-OY05V4-A (80%)	1,380	3.50	4.43	190
	C-JFW 091-30-8B-92-G-OY05V4-A (60%)	1,380	3.82	4.82	287
	C-JFW 091-30-8B-92-G-OY05V4-A (40%)	1,380	3.97	4.96	413
10141488	C-JFW 091-34-8B-104-G-8Y05_4-A (100%)	1,560	5.51	7.40	0
	C-JFW 091-34-8B-104-G-8Y05_4-A (80%)	1,560	6.83	9.10	267
	C-JFW 091-34-8B-104-G-8Y05_4-A (60%)	1,560	7.37	9.90	475
	C-JFW 091-34-8B-104-G-8Y05_4-A (40%)	1,560	7.45	10.10	571
10154286	C-JVW 091-44-8B-80-G-XZ0504-A (100%)	1,200	4.78	6.36	2
	C-JVW 091-44-8B-80-G-XZ0504-A (80%)	1,200	5.20	6.96	111
	C-JVW 091-44-8B-80-G-XZ0504-A (60%)	1,200	5.48	7.36	224
	C-JVW 091-44-8B-80-G-XZ0504-A (40%)	1,200	5.49	7.40	333

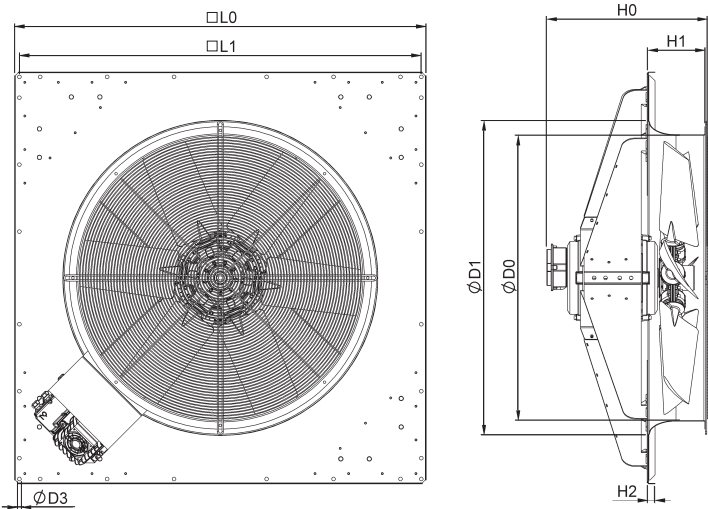
C-SERIES

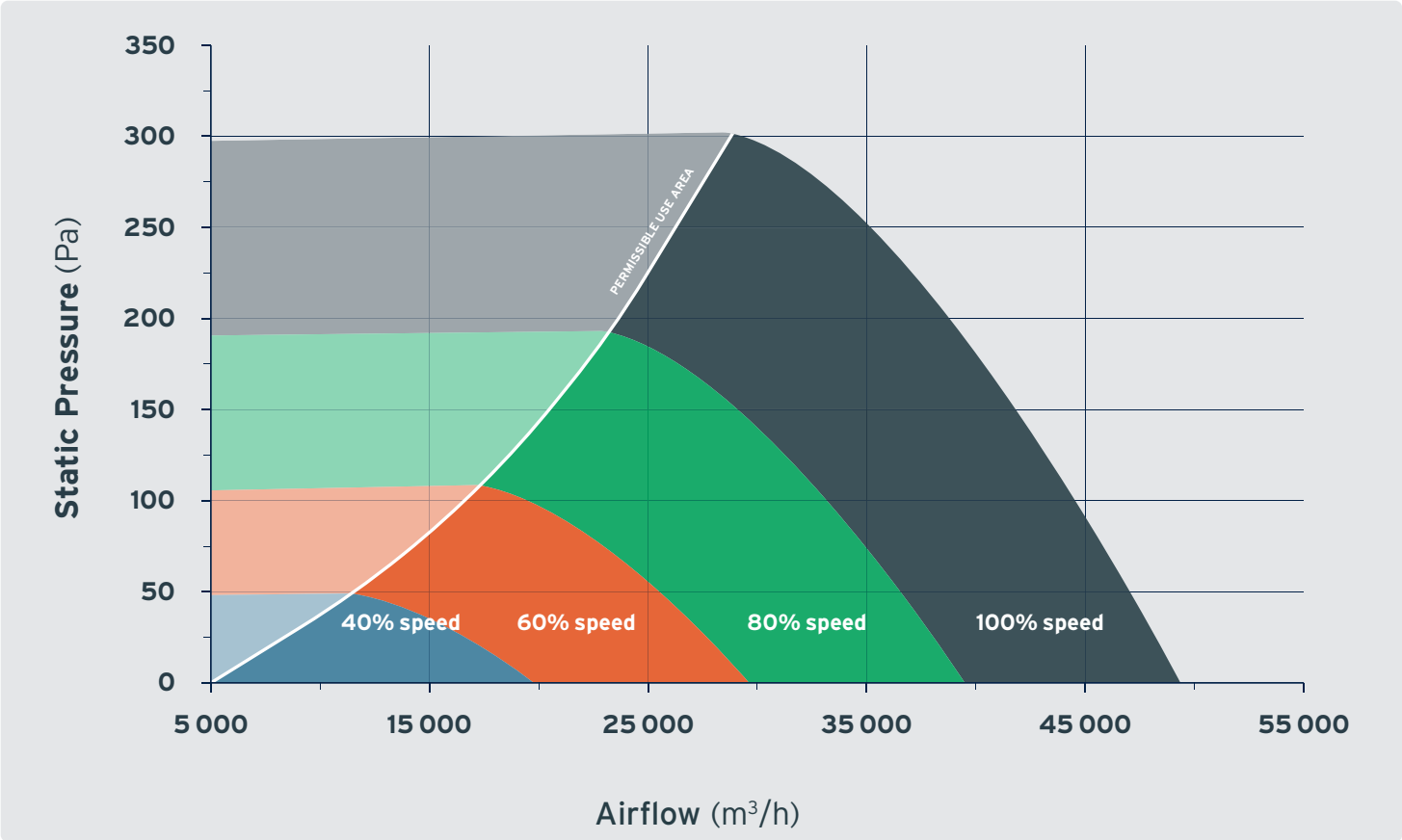
1,000 mm



Dimensions

L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1445	1411	1001	1106	\	13	565	200	25





Conditions

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.

Legend

1

JWW 100-37-8B-70-K-QZH604-P (100%)

2

JWW 100-37-8B-70-K-QZH604-P (80%)

3

JWW 100-37-8B-70-K-QZH604-P (60%)

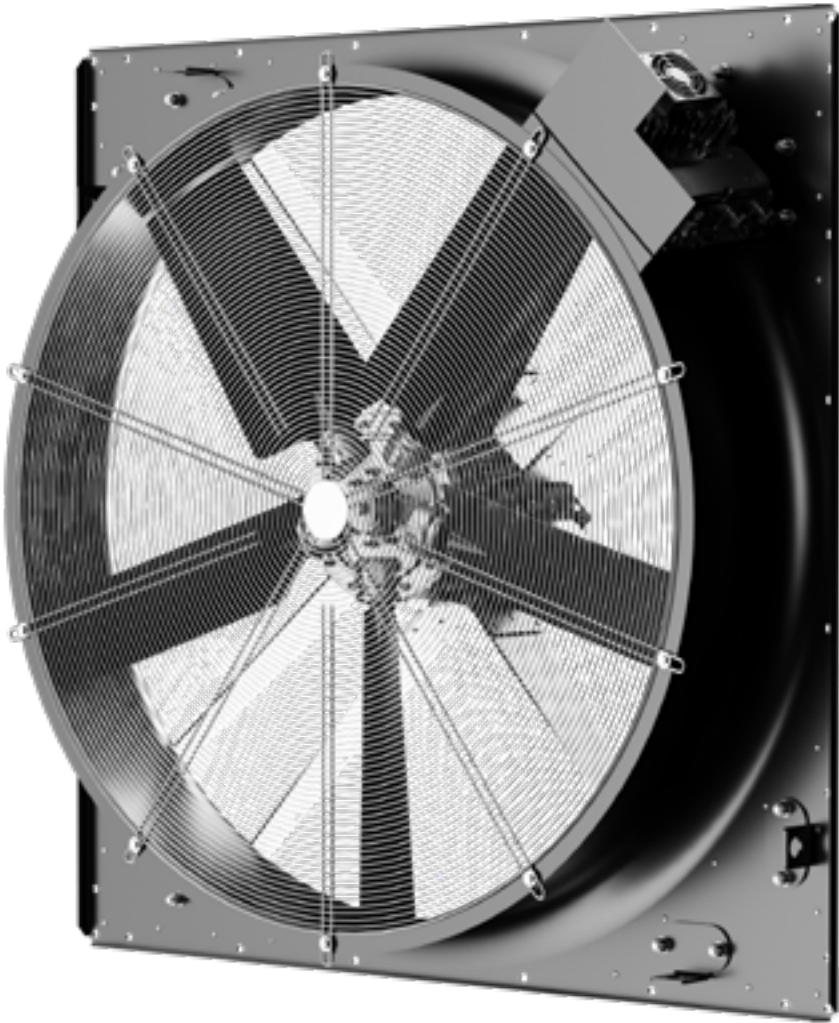
4

JWW 100-37-8B-70-K-QZH604-P (40%)

PART NUMBER		SPECIFICATION CODE	SPEED (RPM)	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)	MAX. BACK PRESSURE (Pa)
2401076	1	JWW 100-37-8B-70-K-QZH604-P (100%)	1050	5.30	8.41	303
	2	JWW 100-37-8B-70-K-QZH604-P (80%)	840	2.72	4.31	194
	3	JWW 100-37-8B-70-K-QZH604-P (60%)	630	1.15	1.82	109
	4	JWW 100-37-8B-70-K-QZH604-P (40%)	420	0.34	0.54	49

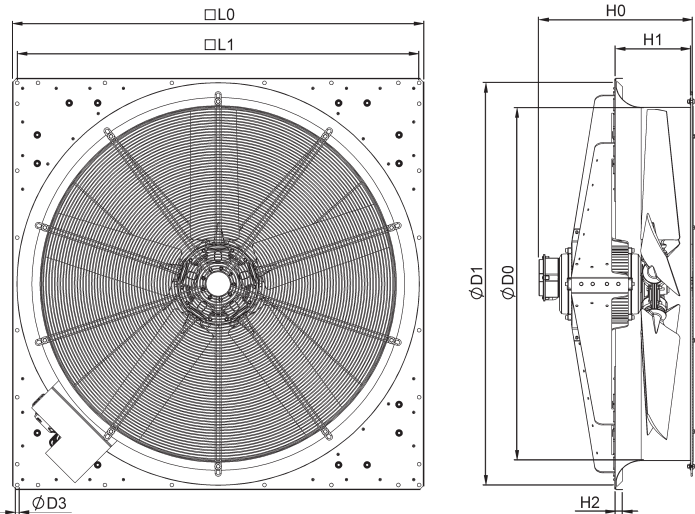
C-SERIES

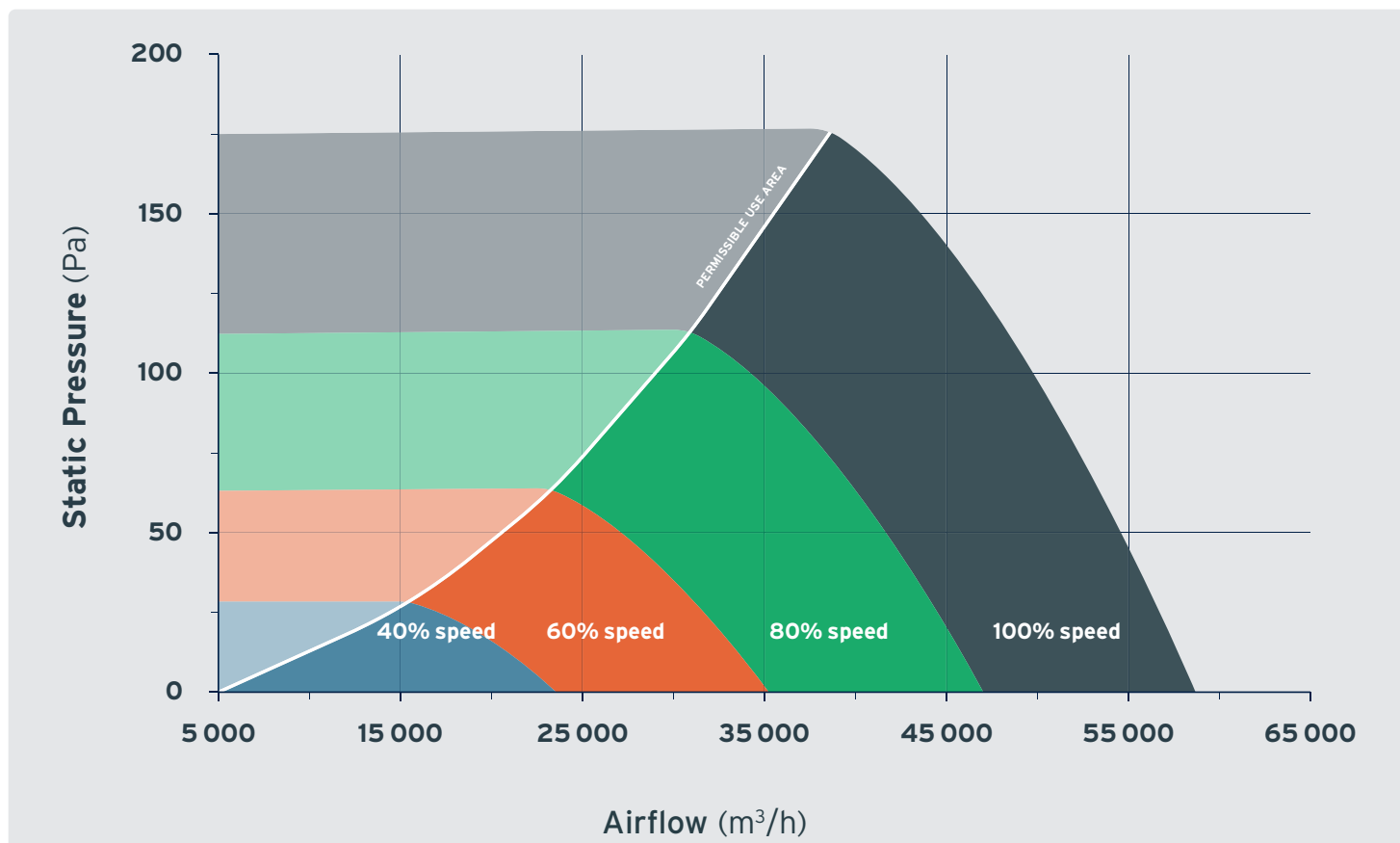
1,240 mm



Dimensions

L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1445	1411	1238	1423	\	13	540	265	25





Conditions

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 1.2 kg/m^3 (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.

Legend

- | | |
|---|--|
| 1 JWW 124-37-8B-50-K-QZH504-P (100%) | 3 JWW 124-37-8B-50-K-QZH504-P (60%) |
| 2 JWW 124-37-8B-50-K-QZH504-P (80%) | 4 JWW 124-37-8B-50-K-QZH504-P (40%) |

PART NUMBER		SPECIFICATION CODE	SPEED (RPM)	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)	MAX. BACK PRESSURE (Pa)
2401077	1	JWW 124-37-8B-50-K-QZH504-P (100%)	750	4.19	6.65	177
	2	JWW 124-37-8B-50-K-QZH504-P (80%)	600	2.15	3.40	113
	3	JWW 124-37-8B-50-K-QZH504-P (60%)	450	0.91	1.44	64
	4	JWW 124-37-8B-50-K-QZH504-P (40%)	300	0.27	0.43	28

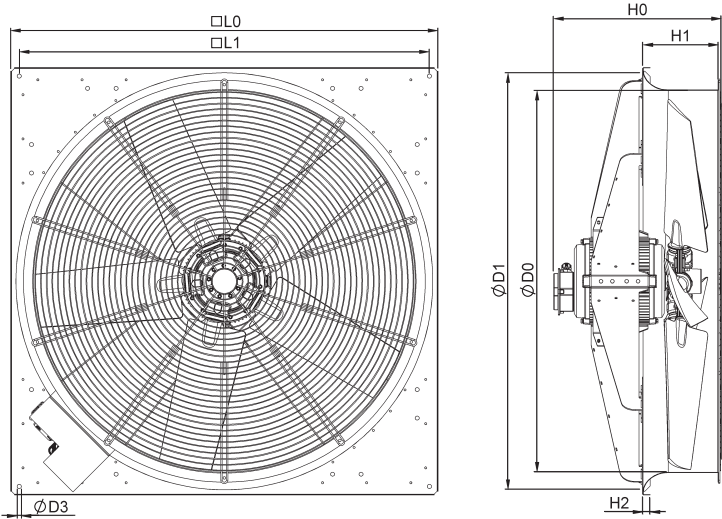
C-SERIES

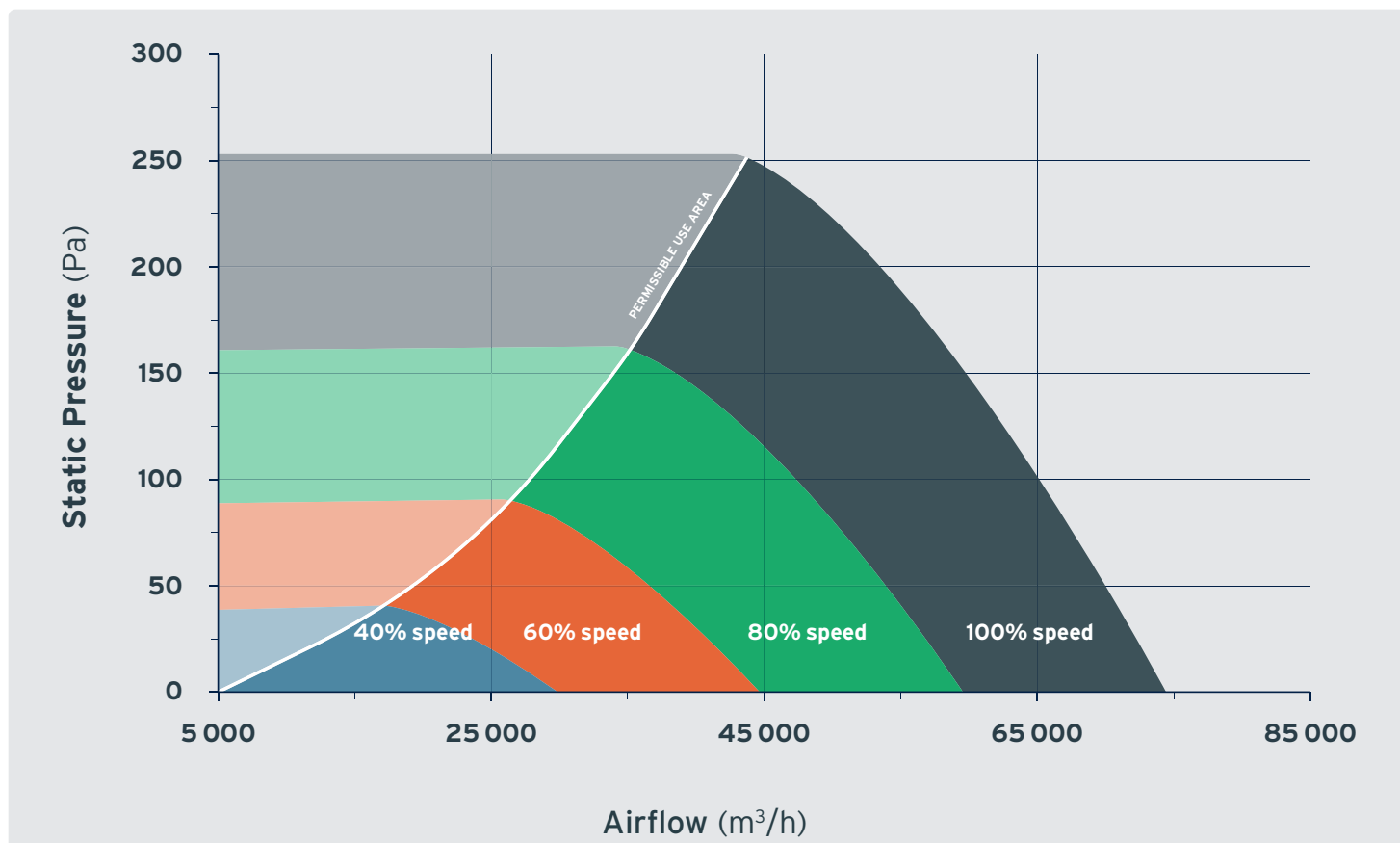
1,340 mm



Dimensions

L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1445	1411	1238	1413	\	13	590	265	25





Conditions

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 1.2 kg/m^3 (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.

Legend

- 1** JWW 134-34-8B-50-K-QZM5A4-P (100%) **3** JWW 134-34-8B-50-K-QZM5A4-P (60%)
- 2** JWW 134-34-8B-50-K-QZM5A4-P (80%) **4** JWW 134-34-8B-50-K-QZM5A4-P (40%)

PART NUMBER		SPECIFICATION CODE	SPEED (RPM)	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)	MAX. BACK PRESSURE (Pa)
2401078	1	JWW 134-34-8B-50-K-QZM5A4-P (100%)	750	6.46	10.25	254
	2	JWW 134-34-8B-50-K-QZM5A4-P (80%)	600	3.31	5.25	163
	3	JWW 134-34-8B-50-K-QZM5A4-P (60%)	450	1.40	2.21	91
	4	JWW 134-34-8B-50-K-QZM5A4-P (40%)	300	0.41	0.66	41

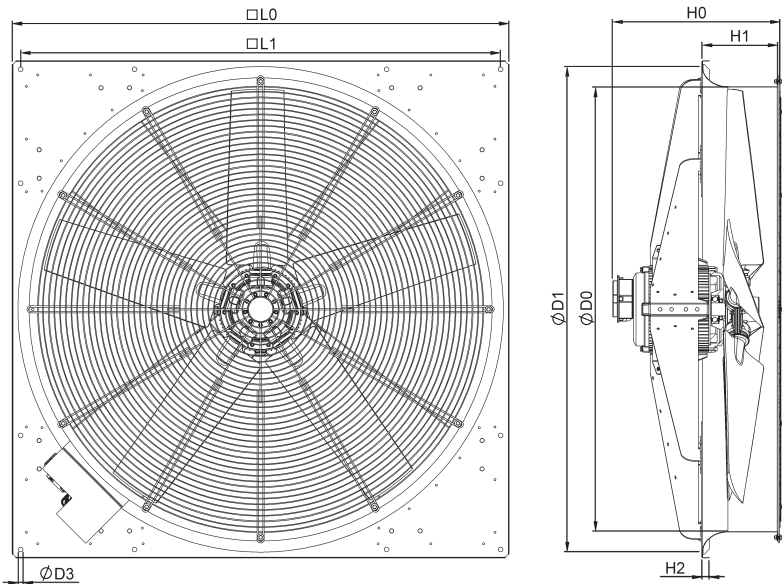
C-SERIES

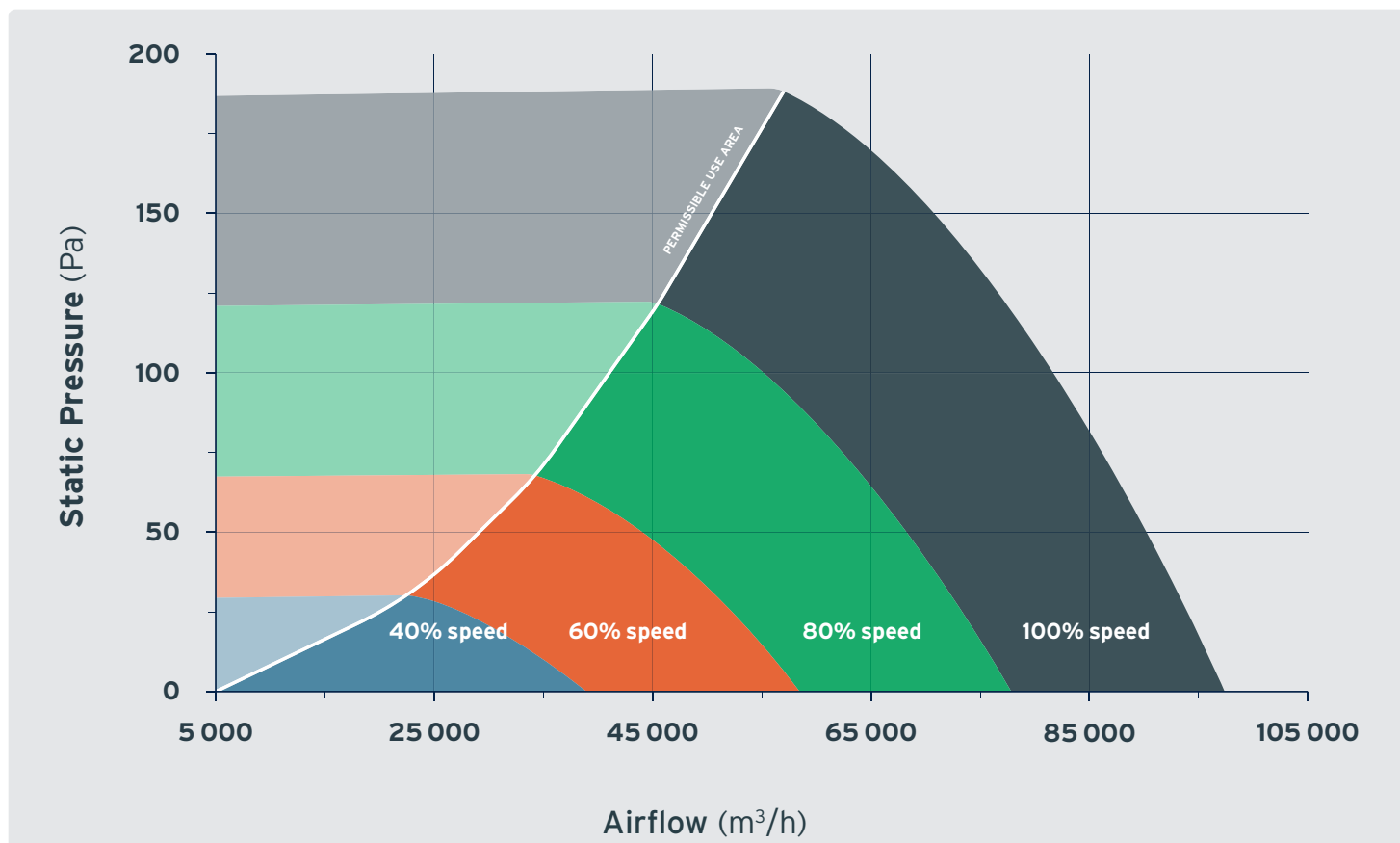
1,560 mm



Dimensions

L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1745	1685	1560	1704	\	16.5	590	265	25





Conditions

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.

Legend

- | | |
|---|--|
| 1 JWW 156-39-8B-40-K-QZM5A4-P (100%) | 3 JWW 156-39-8B-40-K-QZM5A4-P (60%) |
| 2 JWW 156-39-8B-40-K-QZM5A4-P (80%) | 4 JWW 156-39-8B-40-K-QZM5A4-P (40%) |

PART NUMBER		SPECIFICATION CODE	SPEED (RPM)	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)	MAX. BACK PRESSURE (Pa)
2401079	1	JWW 156-39-8B-40-K-QZM5A4-P (100%)	600	6.39	10.13	190
	2	JWW 156-39-8B-40-K-QZM5A4-P (80%)	480	3.27	5.19	122
	3	JWW 156-39-8B-40-K-QZM5A4-P (60%)	360	1.38	2.19	68
	4	JWW 156-39-8B-40-K-QZM5A4-P (40%)	240	0.41	0.65	30

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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Indonesia • Bekasi (Jakarta)
Japan • Tokyo
Singapore • Singapore
Thailand • Samut Prakan (Bangkok)

EUROPE

Czechia • Nový Bydžov (Hradec Králové)
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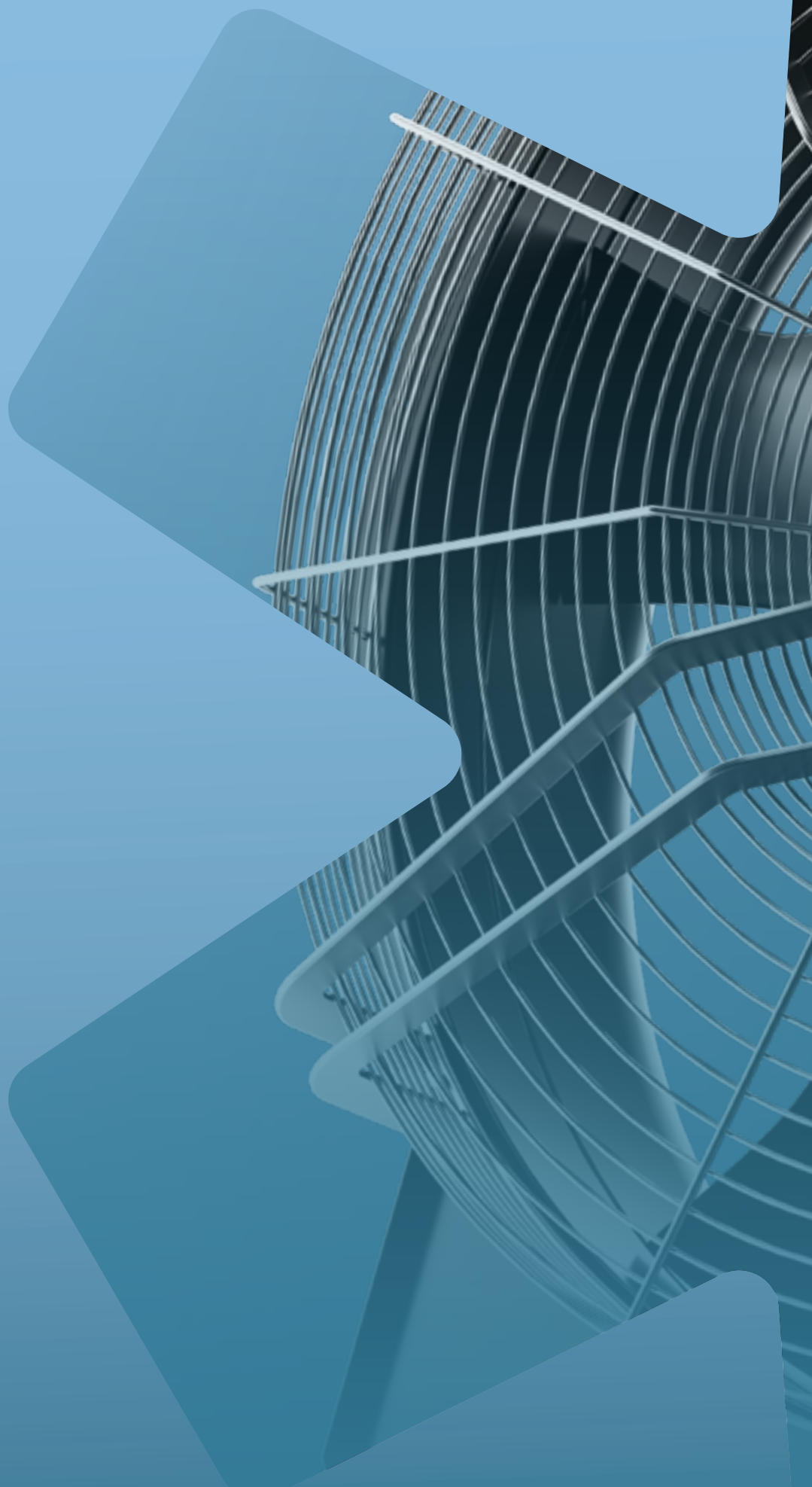
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JP

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