MULTI*WING

STANDARD INDUSTRY SIZES – EXCEPTIONAL IN ALL OTHER REGARDS

C-SERIES
AXIAL FANS

AC, 50 Hz

READY FOR ESPR

C-SERIES
AC, 50 Hz

Highlights

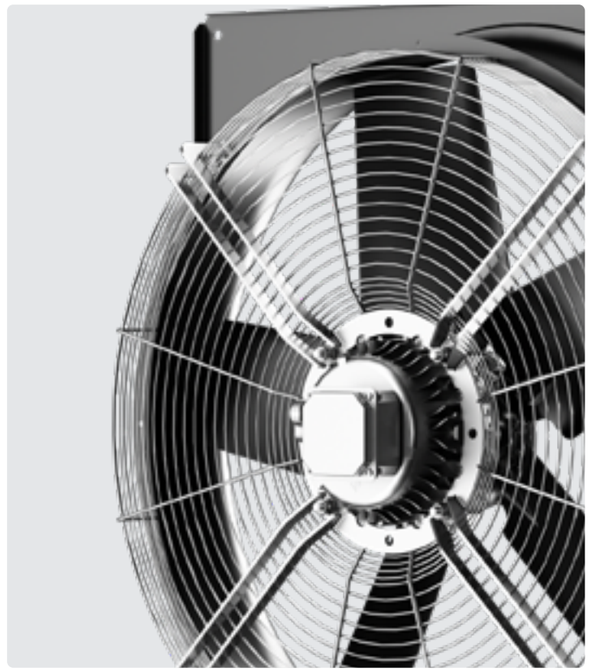
C-series fans are compact, quiet and highly efficient. Great for applications where static pressure is low to medium.

C-SERIES
OVERVIEW

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, 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.

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.

Ready for ESPR

Thanks to the efficient combination of our modular impellers and the internal rotor motors, Multi-Wing's AC axial fans are ready for requirements in the EU's Ecodesign for Sustainable Products Regulation (ESPR).

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

- Energy efficiency
- Durability
- Noise level

High performance meets high requirements

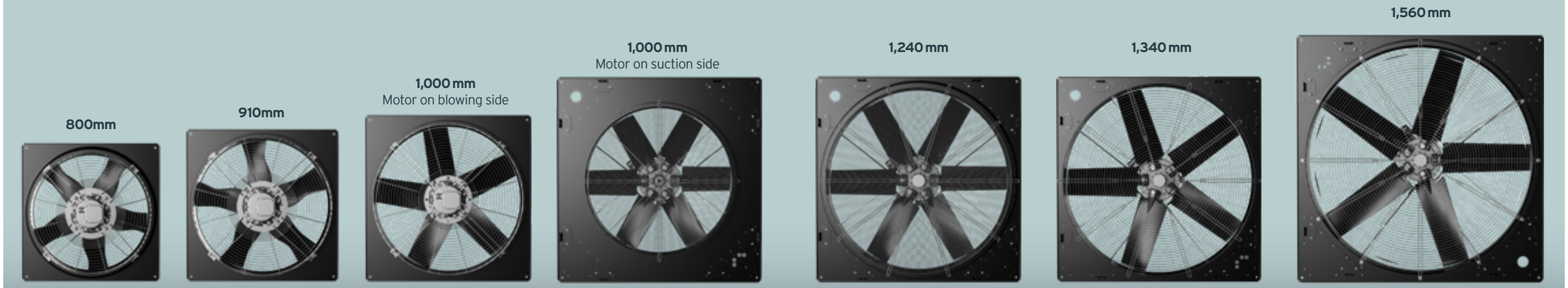
Our C-series AC fans are the perfect fit for low and medium static pressure applications. Our internal rotor motor makes it compact, fans are available in standard industry sizes, market leading standard features and with multiple add on packages to accommodate high/low temperature, high humidity and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

DATA CENTERS
THE PERFECT FIT

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.

C-SERIES FAMILY



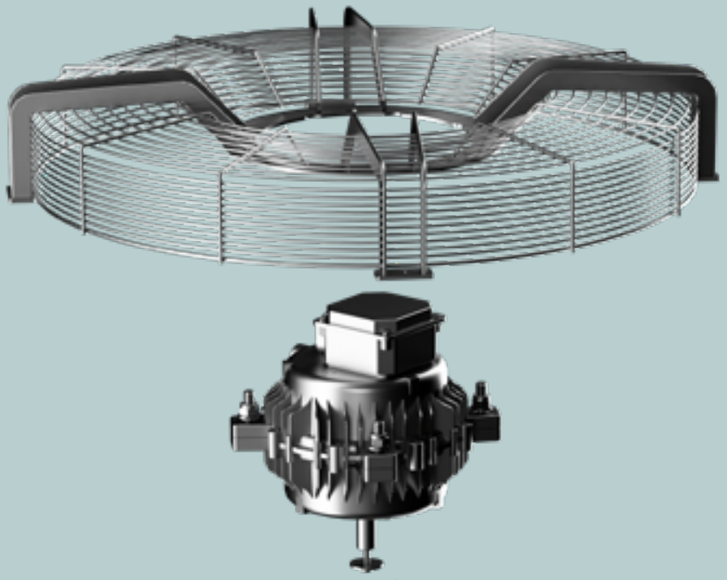
Standard features

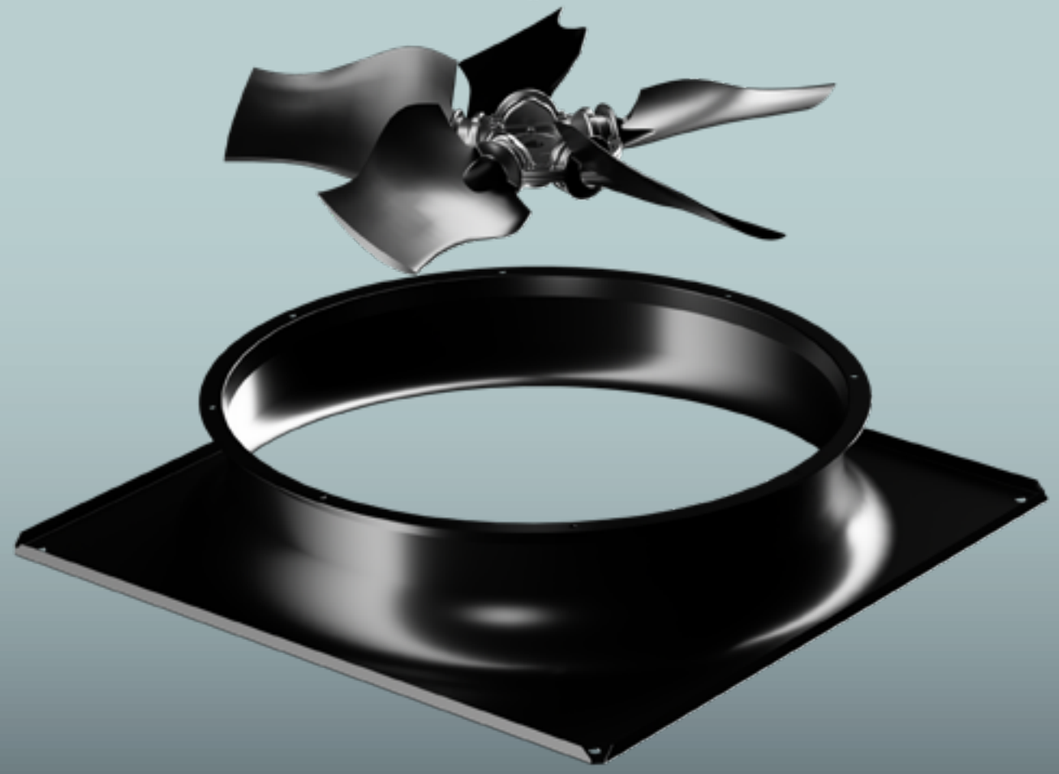
Power supply	AC 380-400-415V (**50 Hz**) AC 460-480V (**60 Hz**)
Temperature	-30°C to +65°C
AC thermal protection	PTO
Ingress protection	IP55
Insulation class	F
Certification	CE / UK / UL
Motor body	Aluminium or cast iron
Compliancy	ErP2015 compliant & ESPR 2024 ready
Impeller	Reinforced blades and aluminium 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	Offshore	3	Food industry low temp.
	C5 Medium protection for motor, casing, support and impeller		Additionally to Seashore, casing and support is manufactured in AISI 316L		Casing and support AISI 316L protection and start-up -40°C to +50°C
4	High temp	5	Low temperature	6	Increased ingress protection
	Operation between -20°C and +80°C		Start-up -40°C to +50°C		Motor IP rating increased to IP66
7	Inverter use	8	Cooling tower		
	Reinforced insulation		Relative humidity up to 95%		

C-SERIES
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 1,000 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.

Unique performance

This motor, designed for fans, delivers up to 40% more torque density than traditional motors, offering a slimmer design that blocks less airflow and improves performance. The junction box can be mounted on the back of the motor or the fan housing.

Modular Impeller

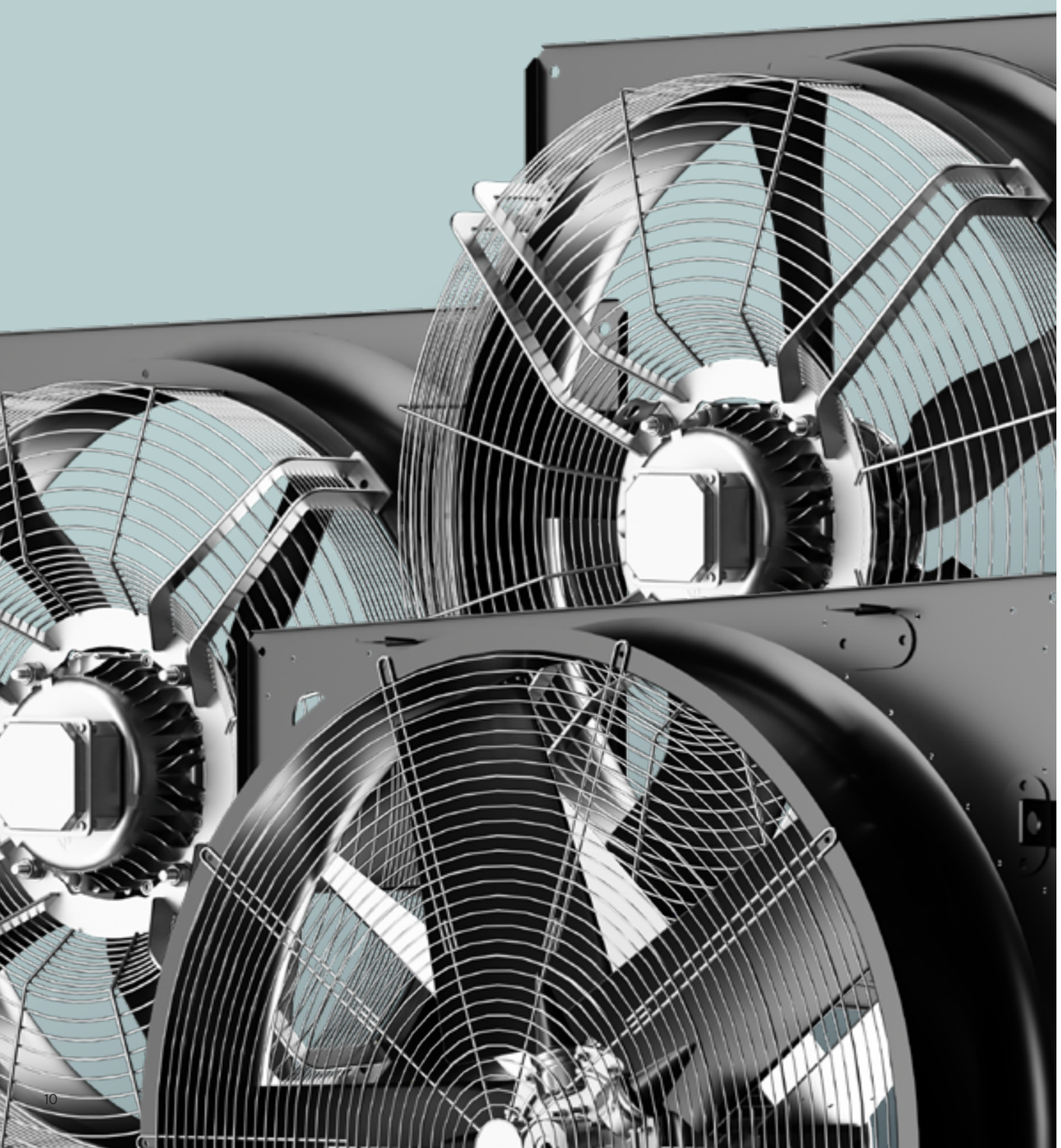
The efficient EMAX and SP9 impellers offer top performance for 800- and 910-mm fans. For larger sizes, rely on the proven W-series impeller. Need something more specific? Choose from over 100,000 impeller variants to optimize your airflow.

Fan housing

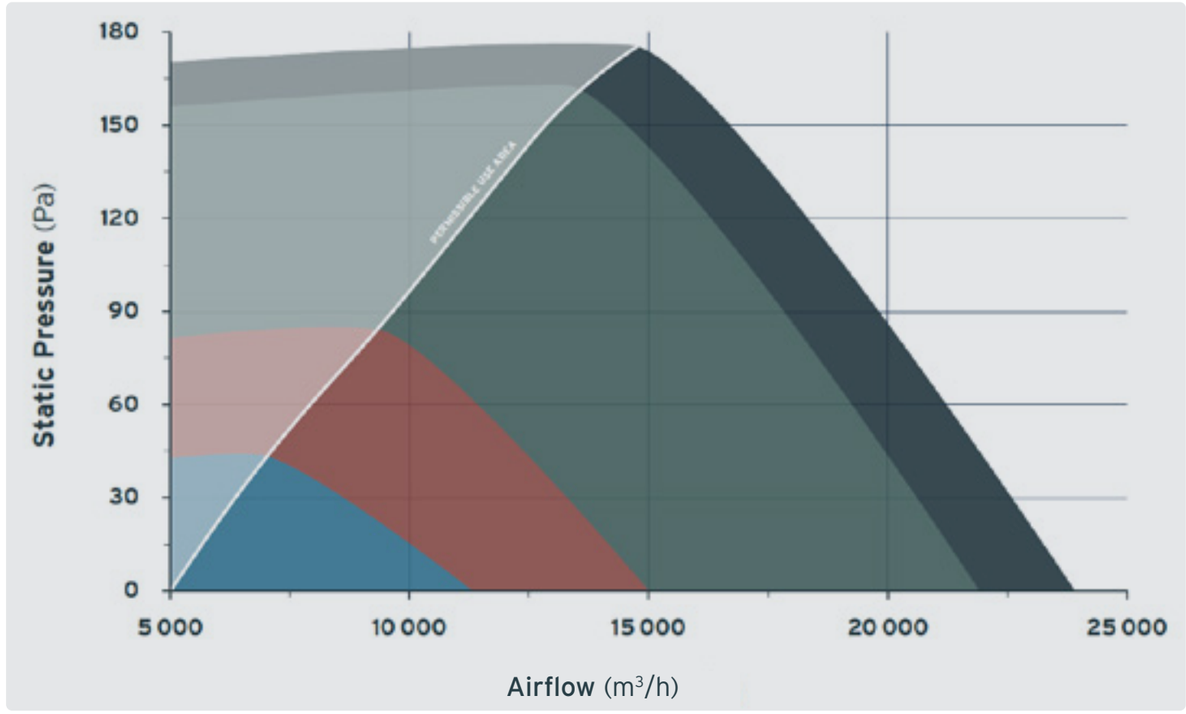
Our own design and production. Square plate, round or no plate at all – we make it fit your application, even when you need it in stainless steel.

Variants

C-SERIES
AC 50 Hz



C-SERIES
800 mm / 50 Hz



Conditions

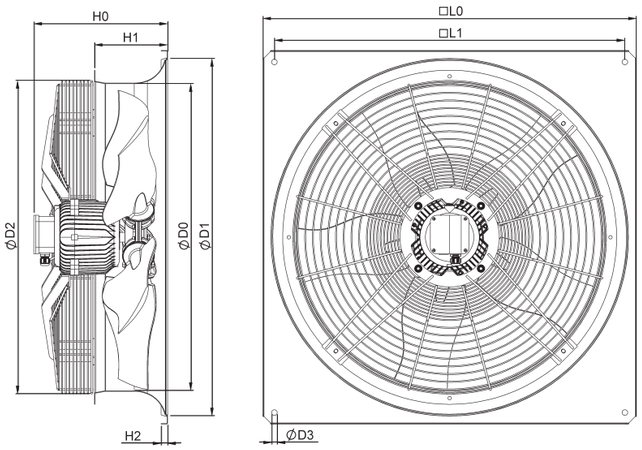
Measuring conditions: Performance data is measured after ISO 5801, installation category A, as a complete axial fan without fan guard. Data refer to air density 1,2kg/m³ (20° sea level). Sound data is measured at suction-side. The data apply only under the specified measuring conditions and may change 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 EW 080-40-6D-G-ZX05I-A
2 RW 080-38-6D-G-ZX05G-A
3 RW 080-36-8D-G-ZX05G-A
4 RW 080-38-12D-G-ZX05G-A

Dimensions

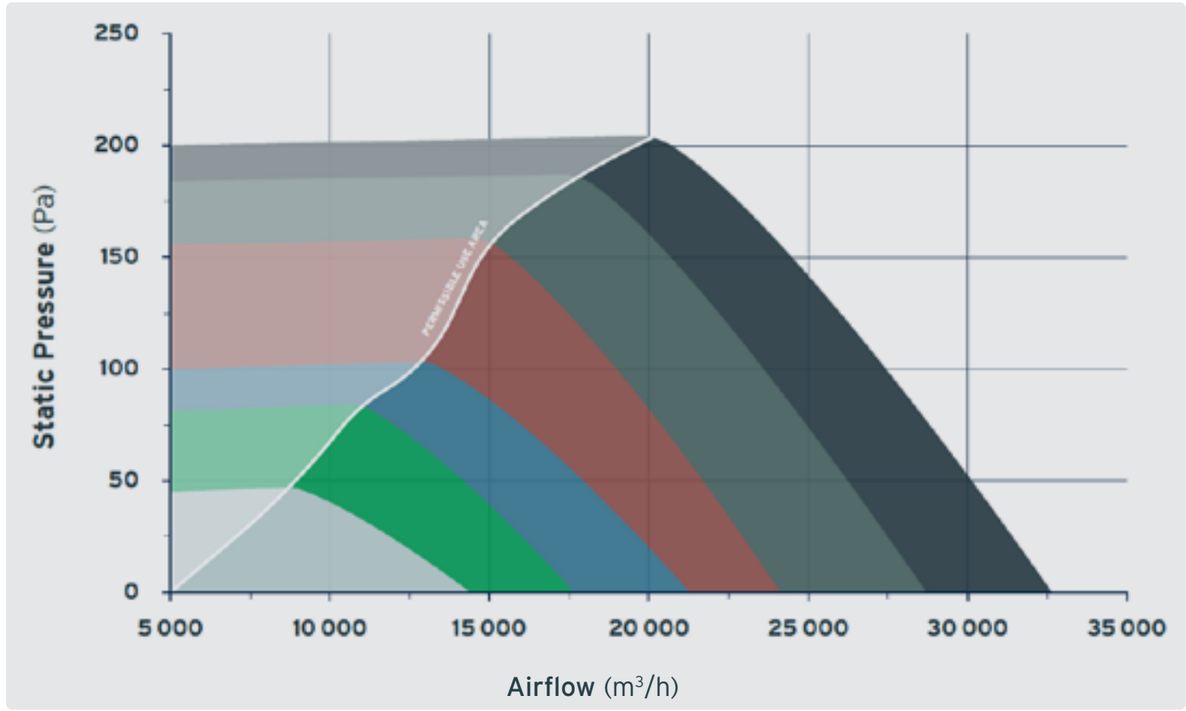
	L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1	970	910	797	928	814	14.5	415	190	17
2	970	910	797	928	814	14.5	350	190	17
3	970	910	797	928	814	14.5	350	190	17
4	970	910	797	928	814	14.5	350	190	17



	PART NUMBER	SPECIFICATION CODE	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)*	MAX. BACK PRESSURE (Pa)	POLARITY
1	2401021	EW 080-40-6D-G-ZX05I-A	1.70	3.59	175	6
2	2401031	RW 080-38-6D-G-ZX05G-A	1.46	3.00	162	6
3	2401029	RW 080-36-8D-G-ZX05G-A	0.59	1.72	84	8
4	2401030	RW 080-38-12D-G-ZX05G-A	0.27	1.28	43	12

*Ref at 400V

C-SERIES
910 mm / 50 Hz



Conditions

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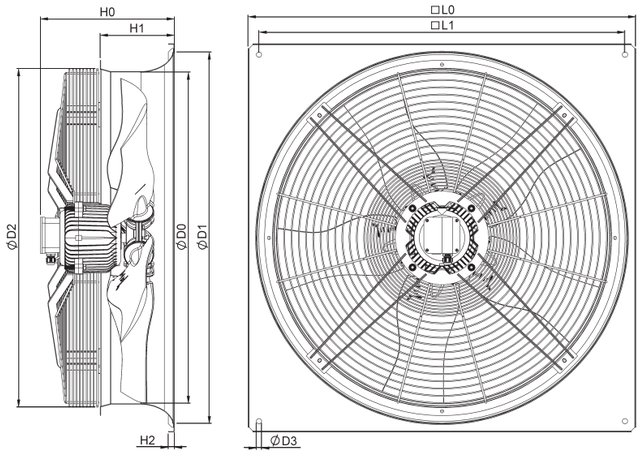
Legend

1 FW 091-38-6D-G-ZX05G-A
2 EW 091-34-6D-G-ZX05I-A
3 RW 091-30-6D-G-ZX05G-A
4 EW 091-34-8D-G-ZX05I-A
5 RW 091-30-8D-G-ZX05G-A
6 RW 091-34-12D-G-ZX05G-A

Dimensions

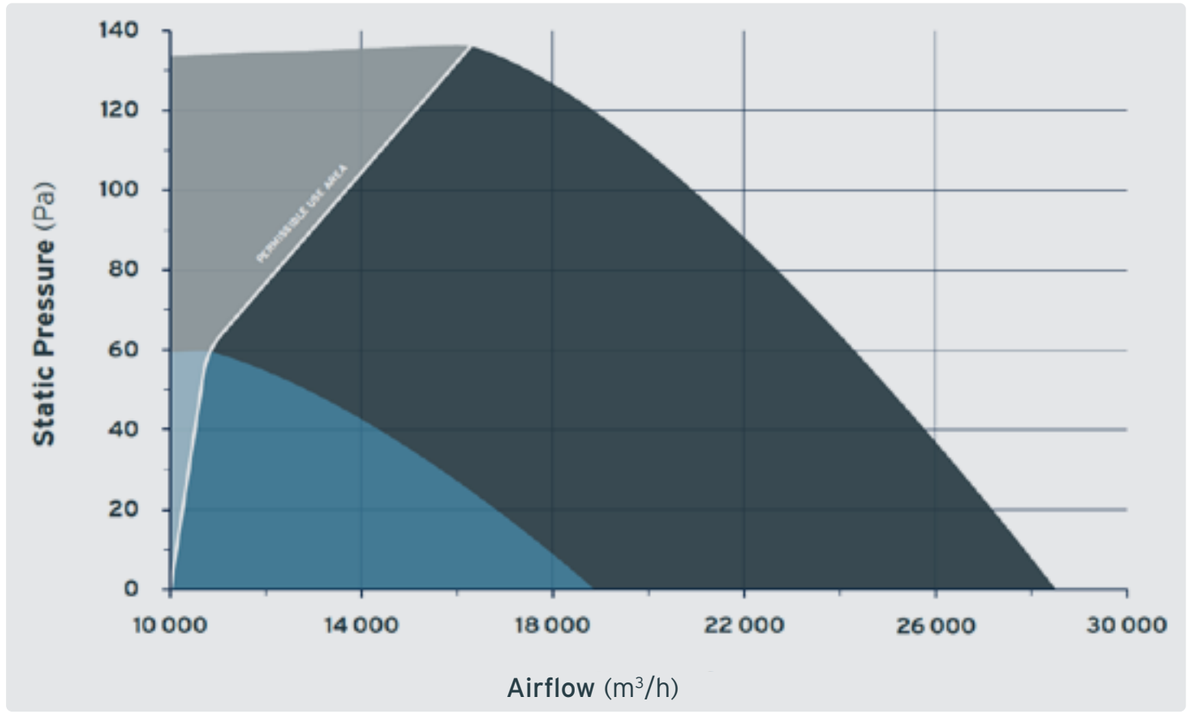
	L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1	1070	1010	914	1025	934	14.5	400	205	17
2	1070	1010	914	1025	934	14.5	435	205	17
3	1070	1010	914	1025	934	14.5	370	205	17
4	1070	1010	914	1025	934	14.5	435	205	17
5	1070	1010	914	1025	934	14.5	370	205	17
6	1070	1010	914	1025	934	14.5	370	205	17



	PART NUMBER	SPECIFICATION CODE	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)*	MAX. BACK PRESSURE (Pa)	POLARITY
1	2401026	FW 091-38-6D-G-ZX05G-A	2.52	4.85	205	6
2	2401024	EW 091-34-6D-G-ZX05I-A	2.03	4.00	187	6
3	2401032	RW 091-30-6D-G-ZX05G-A	1.44	2.93	158	6
4	2401025	EW 091-34-8D-G-ZX05I-A	0.90	2.03	103	8
5	2401033	RW 091-30-8D-G-ZX05G-A	0.64	1.79	85	8
6	2401034	RW 091-34-12D-G-ZX05G-A	0.37	1.52	47	12

*Ref at 400V

C-SERIES
1,000 mm / 50 Hz
Motor on blowing side



Conditions

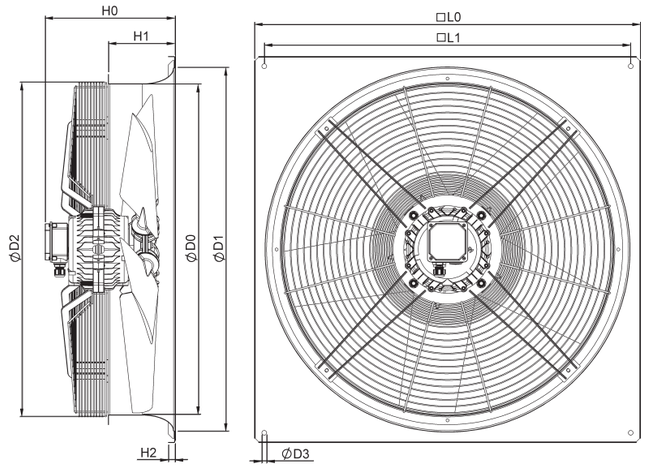
Measuring conditions: Performance data is measured after ISO 5801, installation category A, as a complete axial fan without fan guard. Data refer to air density 1,2kg/m³ (20° sea level). Sound data is measured at suction-side. The data apply only under the specified measuring conditions and may change 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. FW 100-30-8D-G-ZXH5G-A
2. FW 100-30-12D-G-ZXH5G-A

Dimensions

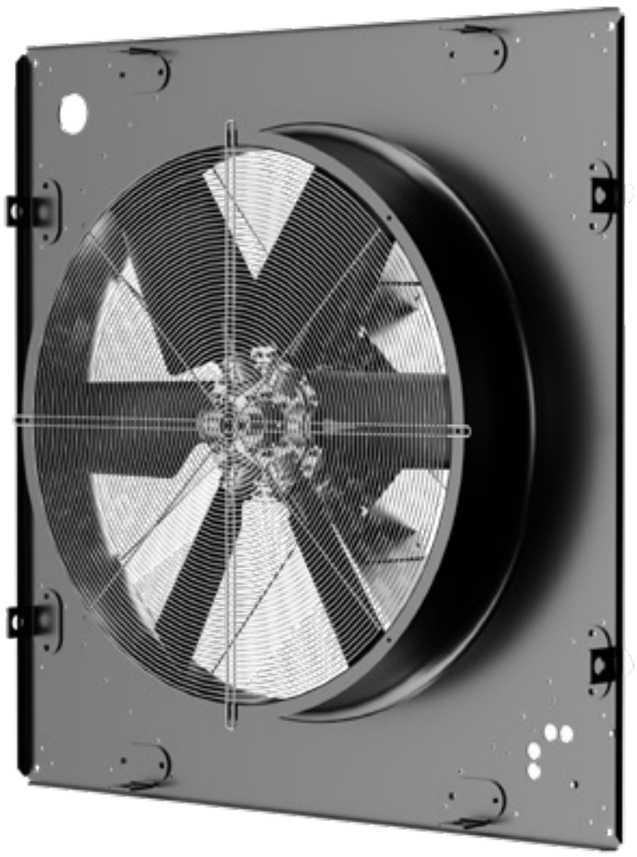
	L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1	1170	1110	1001	1106	1014	14.5	395	200	20
2	1170	1110	1001	1106	1014	14.5	395	200	20

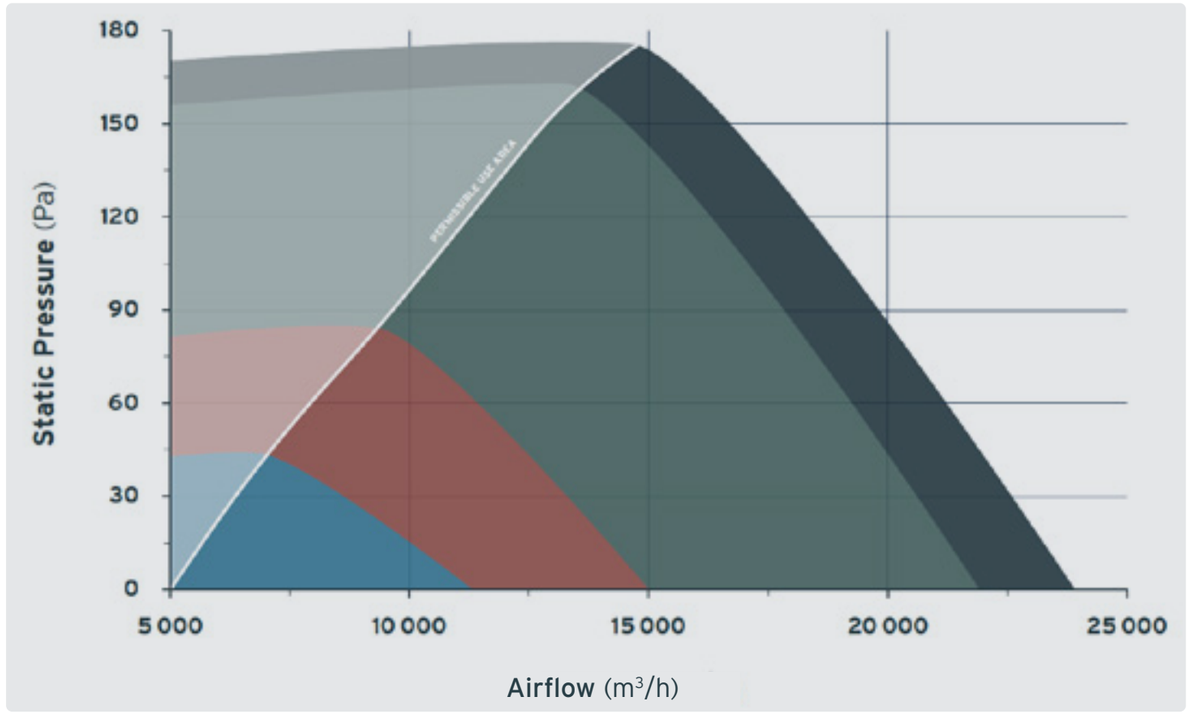


	PART NUMBER	SPECIFICATION CODE	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)*	MAX. BACK PRESSURE (Pa)	POLARITY
1	2401028	FW 100-30-8D-G-ZXH5G-A	1.53	3.19	136	8
2	2401027	FW 100-30-12D-G-ZXH5G-A	0.57	1.86	60	12

*Ref at 400V

C-SERIES
1,000 mm / 50 Hz
Motor on suction side





Conditions

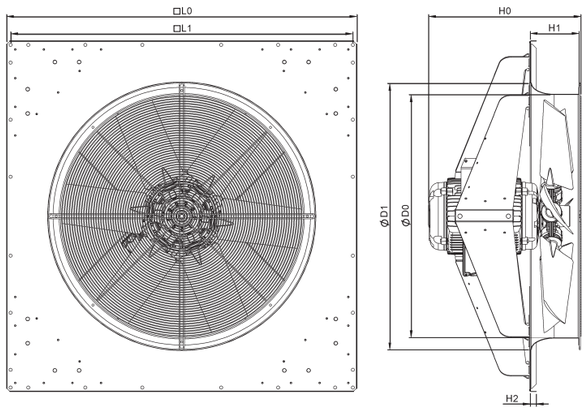
Measuring conditions: Performance data is measured after ISO 5801, installation category A, as a complete axial fan without fan guard. Data refer to air density 1,2kg/m³ (20° sea level). Sound data is measured at suction-side. The data apply only under the specified measuring conditions and may change 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 UW 100-34-6T-K-ZXH62-P
2 UW 100-34-8T-K-ZXH62-P
3 UW 100-34-10T-K-ZXH62-P
4 UW 100-34-12T-K-ZXH62-P

Dimensions

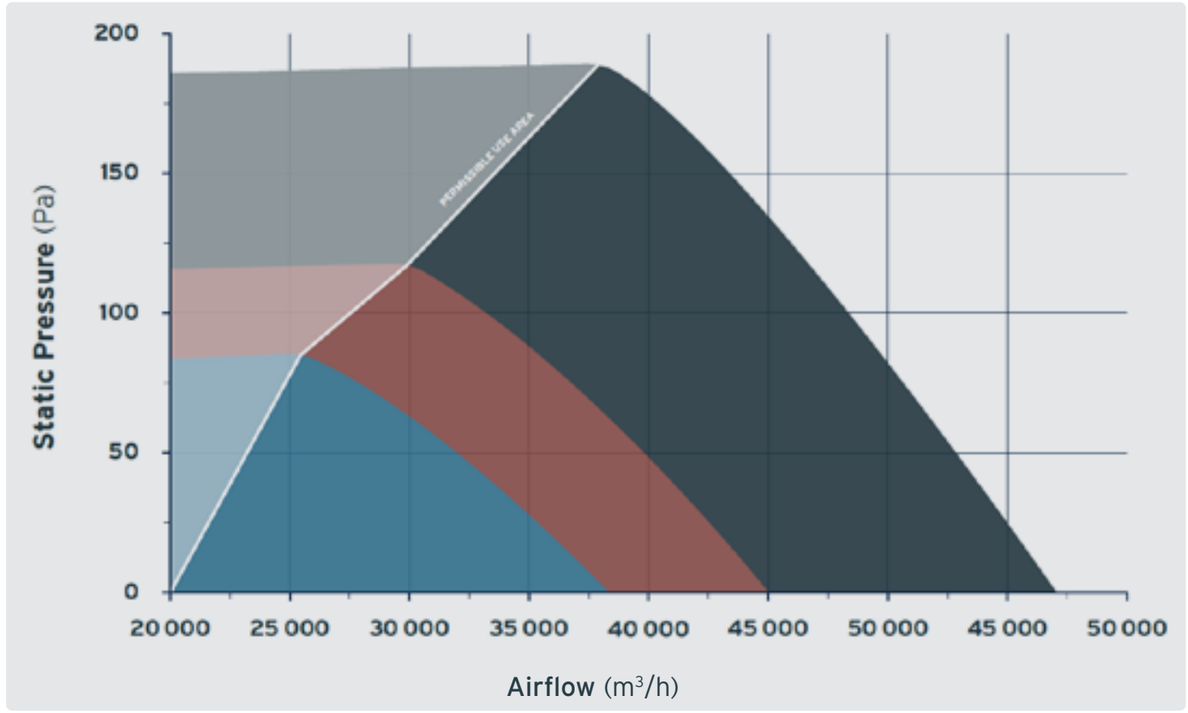
	L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1	1445	1411	1001	1106	\	13	630	200	25
2	1445	1411	1001	1106	\	13	480	200	25
3	1445	1411	1001	1106	\	13	515	200	25
4	1445	1411	1001	1106	\	13	480	200	25



	PART NUMBER	SPECIFICATION CODE	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)*	MAX. BACK PRESSURE (Pa)	POLARITY
1	2401037	UW 100-34-6T-K-ZXH62-P	4.41	10.70	292	6
2	2401038	UW 100-34-8T-K-ZXH62-P	1.86	4.43	156	8
3	2401035	UW 100-34-10T-K-ZXH62-P	1.04	2.77	101	10
4	2401036	UW 100-34-12T-K-ZXH62-P	0.74	2.33	72	12

*Ref at 400V

C-SERIES
1,240 mm / 50 Hz



Conditions

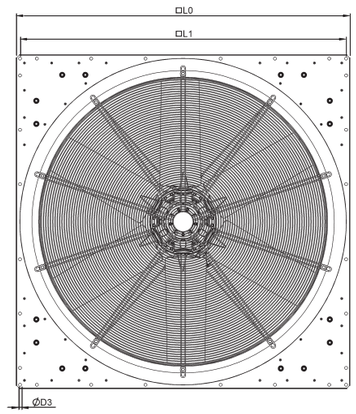
Measuring conditions: Performance data is measured after ISO 5801, installation category A, as a complete axial fan without fan guard. Data refer to air density 1,2kg/m³ (20° sea level). Sound data is measured at suction-side. The data apply only under the specified measuring conditions and may change 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.

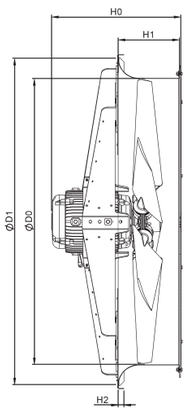
Legend

1 UW 124-34-8T-K-ZXH62-P
2 UW 124-34-10T-K-ZXH62-P
3 UW 124-34-12T-K-ZXH62-P

Dimensions

	L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1	1445	1411	1238	1413	\	13	685	265	25
2	1445	1411	1238	1413	\	13	685	265	25
3	1445	1411	1238	1413	\	13	685	265	25

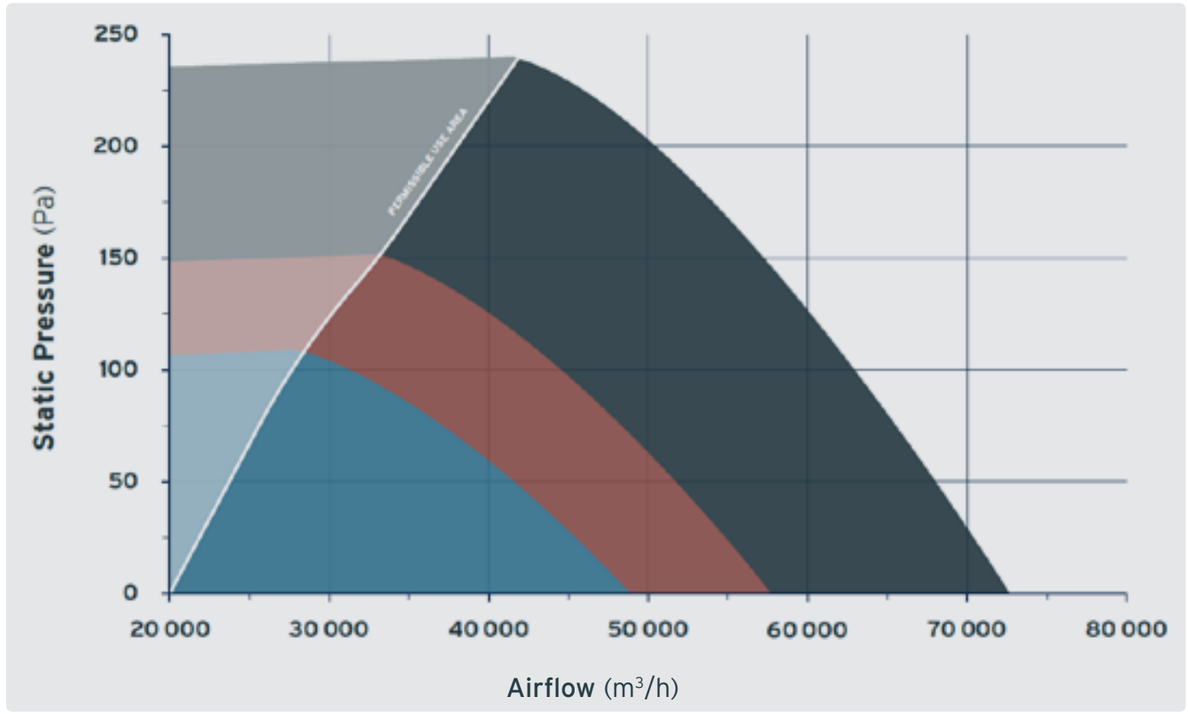




	PART NUMBER	SPECIFICATION CODE	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)*	MAX. BACK PRESSURE (Pa)	POLARITY
1	2401041	UW 124-34-8T-K-ZXH62-P	4.25	10.66	189	8
2	2401039	UW 124-34-10T-K-ZXH62-P	2.27	4.90	118	10
3	2401040	UW 124-34-12T-K-ZXH62-P	1.50	4.87	86	12

*Ref at 400V

C-SERIES
1,340 mm / 50 Hz



Conditions

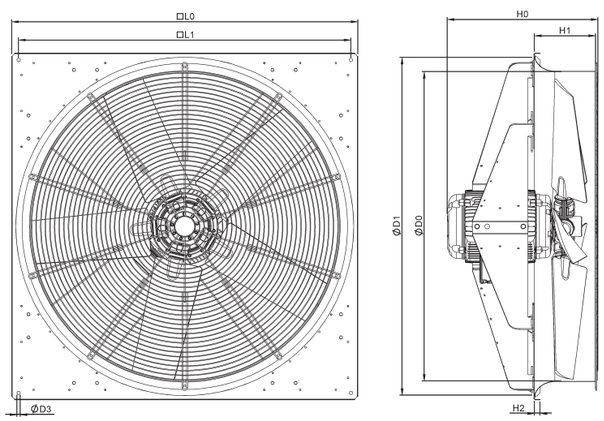
Measuring conditions: Performance data is measured after ISO 5801, installation category A, as a complete axial fan without fan guard. Data refer to air density 1,2kg/m³ (20° sea level). Sound data is measured at suction-side. The data apply only under the specified measuring conditions and may change 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 UW 134-34-8T-K-ZXM52-P
2 UW 134-34-10T-K-ZXM52-P
3 UW 134-34-12T-K-ZXM52-P

Dimensions

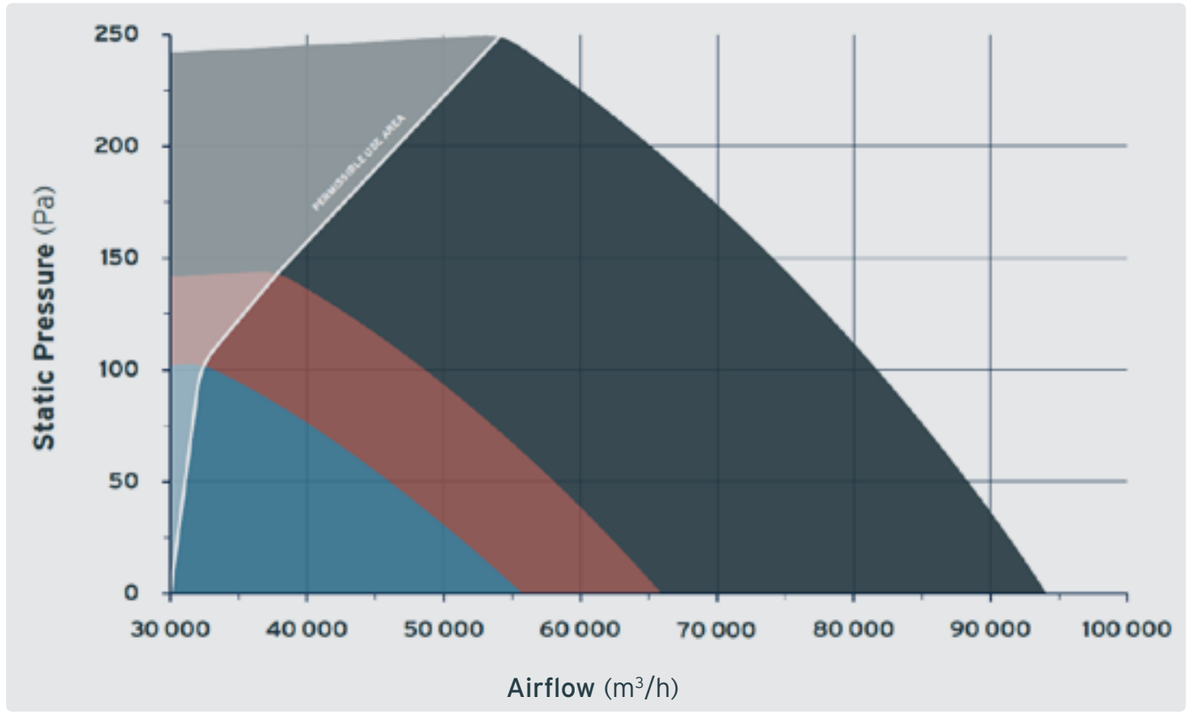
	L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1	1500	1440	1340	1463	\	14.5	650	265	25
2	1500	1440	1340	1463	\	14.5	650	265	25
3	1500	1440	1340	1463	\	14.5	650	265	25



	PART NUMBER	SPECIFICATION CODE	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)*	MAX. BACK PRESSURE (Pa)	POLARITY
1	2401044	UW 134-34-8T-K-ZXM52-P	5.90	12.52	239	8
2	2401042	UW 134-34-10T-K-ZXM52-P	3.10	6.73	151	10
3	2401043	UW 134-34-12T-K-ZXM52-P	1.99	6.24	108	12

*Ref at 400V

C-SERIES
1,560 mm / 50 Hz



Conditions

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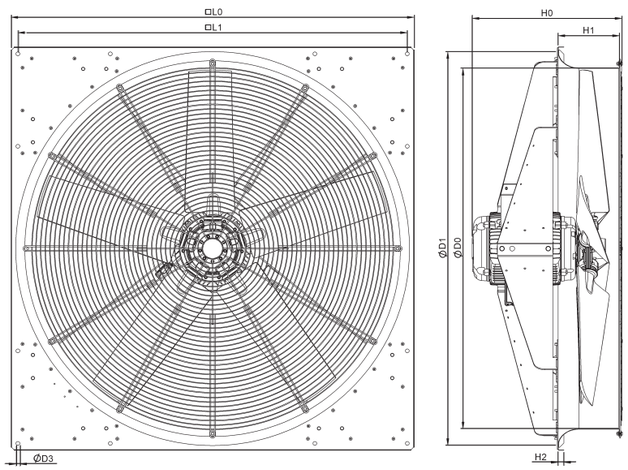
Legend

1. UW 156-31-8T-K-ZXM52-P
2. UW 156-28-12T-K-ZXM52-P
3. UW 156-28-10T-K-ZXM52-P

Dimensions

	L0 [mm]	L1 [mm]	D0 [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H0 [mm]	H1 [mm]	H2 [mm]
1	1745	1685	1560	1704	\	16.5	650	265	25
2	1745	1685	1560	1704	\	16.5	650	265	25
3	1745	1685	1560	1704	\	16.5	650	265	25



	PART NUMBER	SPECIFICATION CODE	MAX INPUT POWER (kW)	MAX. INPUT CURRENT (A)*	MAX. BACK PRESSURE (Pa)	POLARITY
1	2401047	UW 156-31-8T-K-ZXM52-P	7.50	16.79	250	8
2	2401045	UW 156-28-10T-K-ZXM52-P	3.26	6.91	143	10
3	2401046	UW 156-28-12T-K-ZXM52-P	2.09	6.38	103	12

*Ref at 400V

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 CO_2 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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+45 4589 0133
info@multi-wing.com

ASIA / PACIFIC

Australia • Tullamarine (Melbourne)
China • Suzhou
India • Pune
Indonesia • Bekasi (Jakarta)
Japan • Tokyo
Singapore • Singapore
Thailand • Samut Prakan (Bangkok)

EUROPE

Czechia • Nový Bydžov (Hradec Králové)
France • Gien (Orléans)
Germany • Quickborn (Hamburg)
Italy • Settimo Milanese (Milan)
Spain • La Roca del Vallès (Barcelona)
Ukraine • Horodok (Lviv)
United Kingdom • Thurmaston (Leicester)

MIDDLE EAST / AFRICA

South Africa • Rispark (Johannesburg)
Türkiye • Nilüfer (Bursa)
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