



K Circular Duct Fans

High Quality radial fan for circular ducts

- Available with **AC and EC motors**
- **Indoor** and **outdoor** installation
- **Reliable** and **airtight**
- **Mounting bracket** included
- **Noise and energy optimized** impeller

[Find more details in our online catalogue](#)

Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

Certifications



Ecodesign (ErP) compliant

Compliant with today's and tomorrow's European Union rules and requirements for energy labelling and ecodesign for Energy-related Products (ErP).



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair certifies that the model shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. Check the AMCA Certified and Listed Product Search for our products <https://www.amca.org/certify/#certified-product-search>

Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	30	W
Input power kW	0.03	kW
Input current	0.163	A
Impeller speed	2,481	rpm
Air flow	max 188	m ³ /h
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	38	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	F
Energy class, Local demand	D
ErP ready	ErP 2018

Dimensions and weights

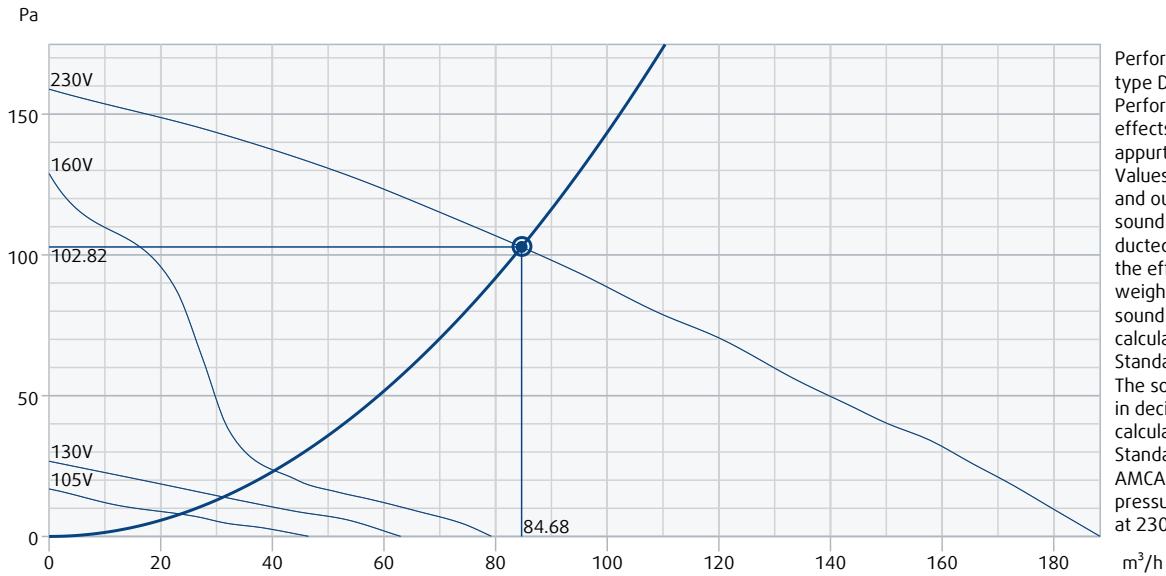
Duct dimension; Circular, inlet	100	mm
Duct dimension; Circular, outlet	100	mm
Weight	2.3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	85 m³/h
Required static pressure	103 Pa
Working air flow	85 m³/h
Working static pressure	103 Pa
Air density	1.204 kg/m³
Power	27.8 W
Fan control - RPM	2,553 rpm
Current	0.16 A
SFP	1.183 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	48	59	58	59	53	50	37	27	64
Outlet	dB(A)	52	60	61	51	53	46	35	29	64
Surrounding	dB(A)	17	21	24	40	41	38	26	24	45
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	38
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	24

Certifications



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Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

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Impeller

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Motor protection

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Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	32	W
Input power kW	0.032	kW
Input current	0.174	A
Impeller speed	1,627	rpm
Air flow	max 129	m ³ /h
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	37	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

ErP ready	ErP 2018
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Dimensions and weights

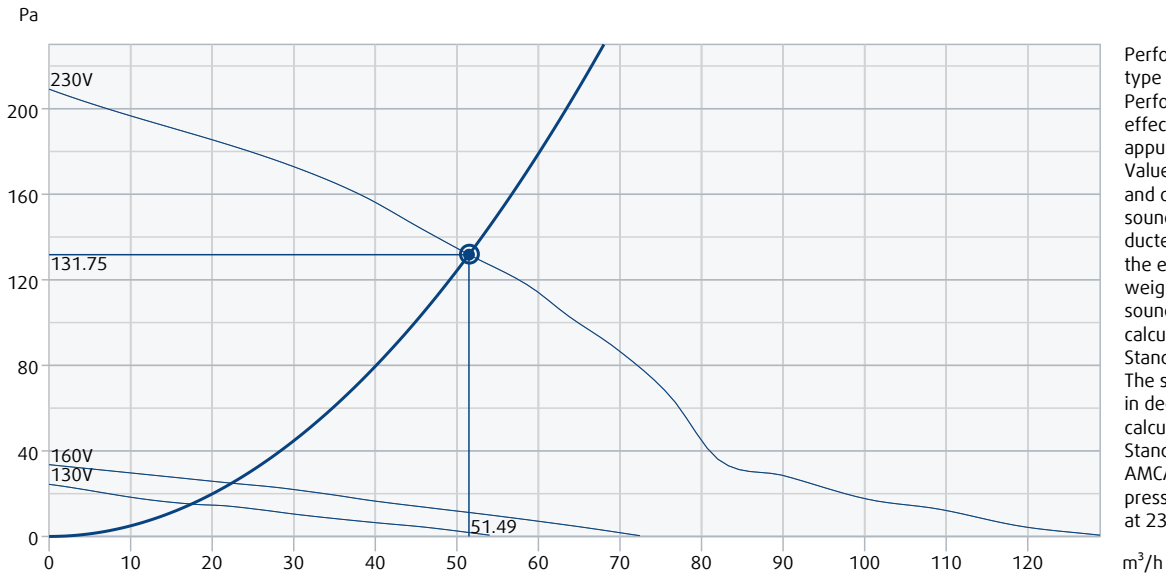
Duct dimension; Circular, inlet	100	mm
Duct dimension; Circular, outlet	100	mm
Weight	2.3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	52 m³/h
Required static pressure	132 Pa
Working air flow	51 m³/h
Working static pressure	132 Pa
Air density	1.204 kg/m³
Power	27.6 W
Fan control - RPM	2,648 rpm
Current	0.15 A
SFP	1.928 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	52	63	65	58	52	50	39	28	68
Outlet	dB(A)	64	61	64	51	52	46	38	28	68
Surrounding	dB(A)	25	24	32	38	36	39	26	22	43
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	36
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	22

Certifications



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Performance

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Features

Construction

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Impeller

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Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	52	W
Input power kW	0.052	kW
Input current	0.227	A
Impeller speed	2,418	rpm
Air flow	max 285	m ³ /h
Capacitance of capacitor	1.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XL	

Sound data

Sound pressure level at 3m (20m ² Sabin)	45	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

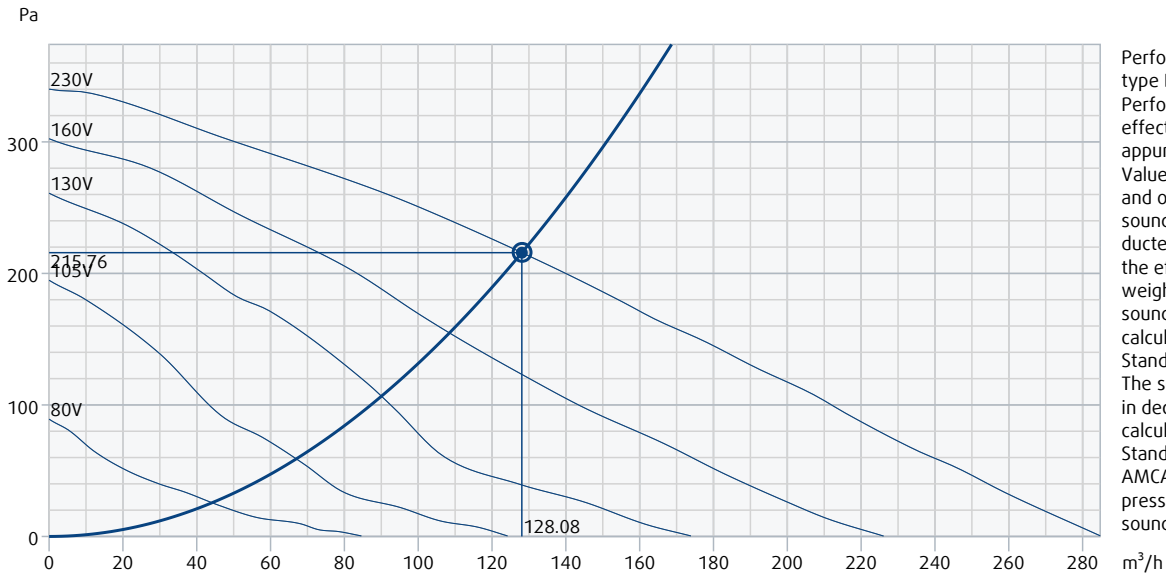
Duct dimension; Circular, inlet	100	mm
Duct dimension; Circular, outlet	100	mm
Weight	3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



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Hydraulic data

Required air flow	128 m³/h
Required static pressure	216 Pa
Working air flow	128 m³/h
Working static pressure	216 Pa
Air density	1.204 kg/m³
Power	46.9 W
Fan control - RPM	2,550 rpm
Current	0.21 A
SFP	1.319 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	55	66	63	66	64	60	52	40	72
Outlet	dB(A)	56	65	59	62	62	57	49	37	69
Surrounding	dB(A)	29	17	29	49	47	45	39	27	52
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	45
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	31

Certifications



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Impeller

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Motor protection

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Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

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Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	65	W
Input power kW	0.065	kW
Input current	0.288	A
Impeller speed	2,598	rpm
Air flow	max 306	m ³ /h
Capacitance of capacitor	1.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XL	

Sound data

Sound pressure level at 3m (20m ² Sabin)	49	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

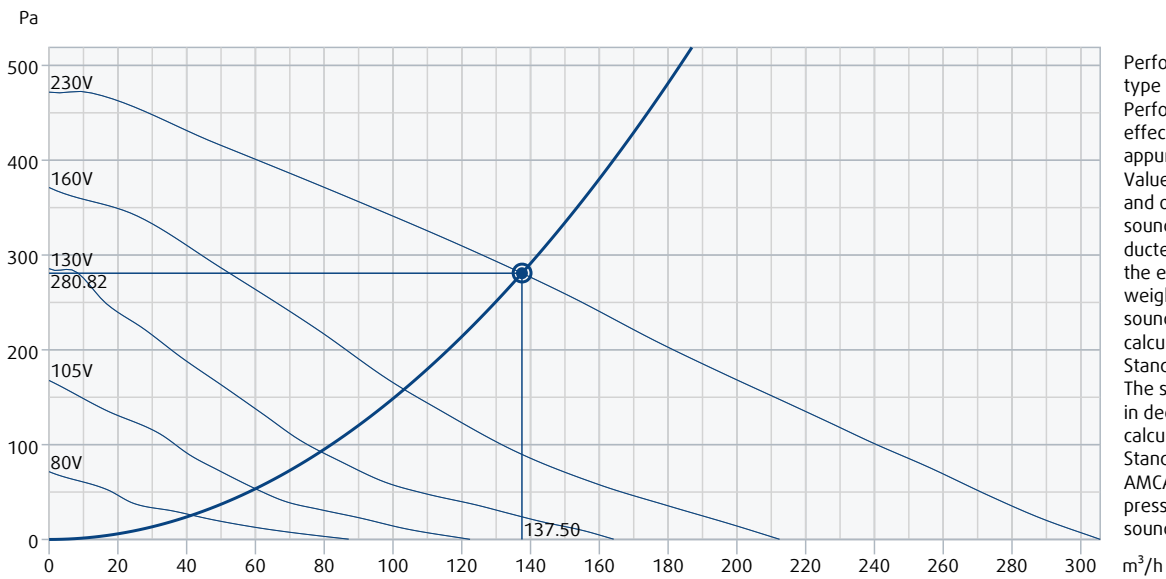
Duct dimension; Circular, inlet	100	mm
Duct dimension; Circular, outlet	100	mm
Weight	3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



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Hydraulic data

Required air flow	138 m³/h
Required static pressure	281 Pa
Working air flow	137 m³/h
Working static pressure	281 Pa
Air density	1.204 kg/m³
Power	58.6 W
Fan control - RPM	2,878 rpm
Current	0.26 A
SFP	1.534 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	56	67	65	67	65	62	55	43	73
Outlet	dB(A)	56	67	61	66	65	60	53	42	72
Surrounding	dB(A)	26	29	33	52	50	48	41	28	55
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	48
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	34

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Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	29	W
Input power kW	0.029	kW
Input current	0.164	A
Impeller speed	2,488	rpm
Air flow	max 206	m ³ /h
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	36	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

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Energy class, Basic unit	F
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ErP ready	ErP 2018

Dimensions and weights

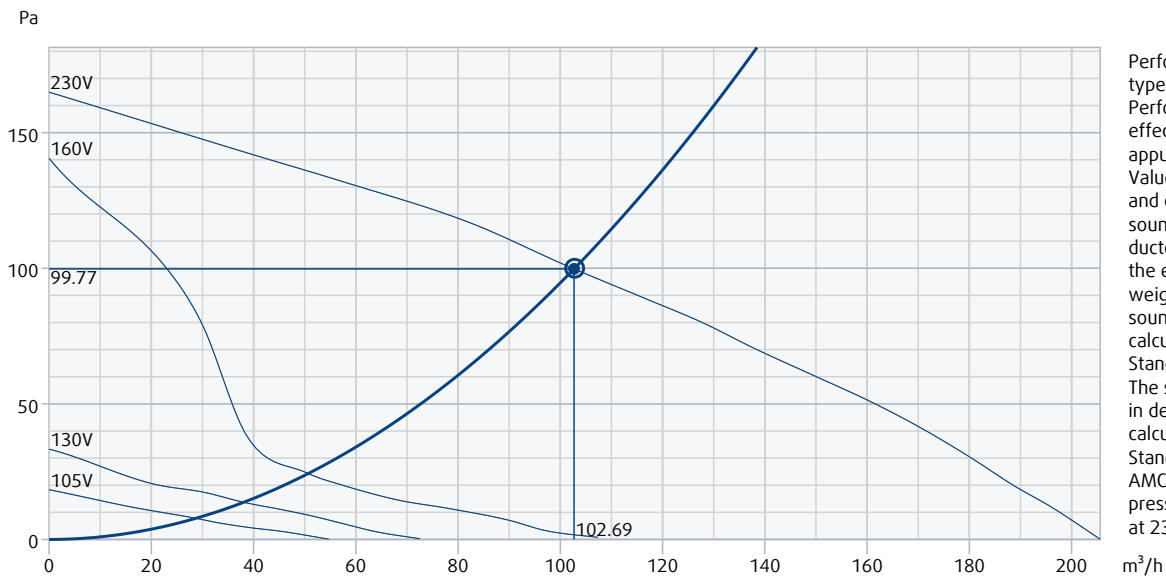
Duct dimension; Circular, inlet	125	mm
Duct dimension; Circular, outlet	125	mm
Weight	2.3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	103 m³/h
Required static pressure	100 Pa
Working air flow	103 m³/h
Working static pressure	100 Pa
Air density	1.204 kg/m³
Power	27.7 W
Fan control - RPM	2,518 rpm
Current	0.16 A
SFP	0.972 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	47	57	57	58	53	49	33	25	63
Outlet	dB(A)	48	58	53	54	49	47	36	27	61
Surrounding	dB(A)	28	32	30	39	37	32	21	18	43
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	36
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	22

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

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Circular Duct Fans

High Quality radial fan for circular ducts

- Available with **AC and EC motors**
- **Indoor** and **outdoor** installation
- **Reliable** and **airtight**
- **Mounting bracket** included
- **Noise and energy optimized** impeller

[Find more details in our online catalogue](#)

Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

Certifications



Ecodesign (ErP) compliant

Compliant with today's and tomorrow's European Union rules and requirements for energy labelling and ecodesign for Energy-related Products (ErP).



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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	32	W
Input power kW	0.032	kW
Input current	0.171	A
Impeller speed	2,157	rpm
Air flow	max 188	m ³ /h
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	35	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

ErP ready	ErP 2018
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Dimensions and weights

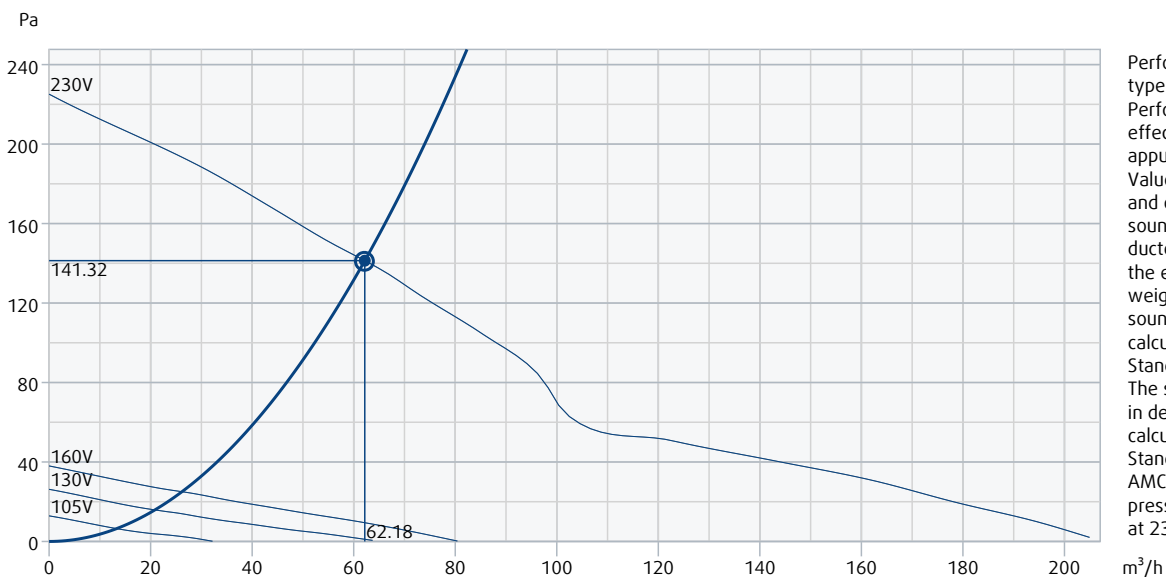
Duct dimension; Circular, inlet	125	mm
Duct dimension; Circular, outlet	125	mm
Weight	2.3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	62 m³/h
Required static pressure	141 Pa
Working air flow	62 m³/h
Working static pressure	141 Pa
Air density	1.204 kg/m³
Power	28.2 W
Fan control - RPM	2,720 rpm
Current	0.15 A
SFP	1.631 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	51	59	58	58	52	49	36	27	64
Outlet	dB(A)	52	60	54	54	49	47	38	29	63
Surrounding	dB(A)	28	23	28	40	35	32	23	15	42
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	35
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	21

Certifications



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Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	53	W
Input power kW	0.053	kW
Input current	0.229	A
Impeller speed	2,395	rpm
Air flow	max 359	m ³ /h
Capacitance of capacitor	1.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XL	

Sound data

Sound pressure level at 3m (20m ² Sabin)	44	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

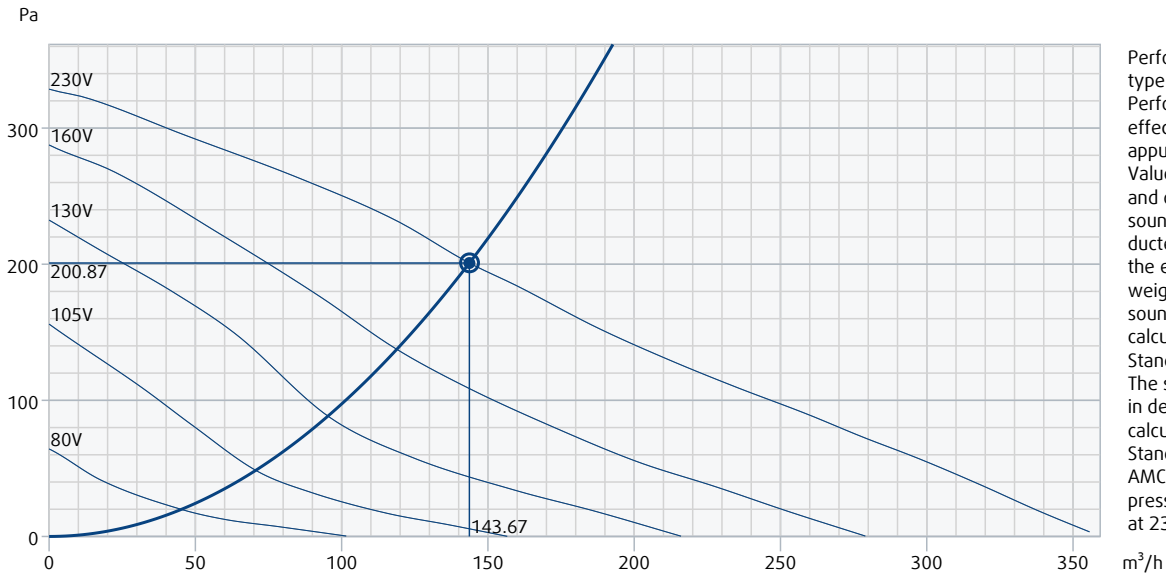
Duct dimension; Circular, inlet	125	mm
Duct dimension; Circular, outlet	125	mm
Weight	2.9	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	144 m³/h
Required static pressure	201 Pa
Working air flow	144 m³/h
Working static pressure	201 Pa
Air density	1.204 kg/m³
Power	48.1 W
Fan control - RPM	2,507 rpm
Current	0.21 A
SFP	1.206 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	48	64	65	65	63	60	53	42	71
Outlet	dB(A)	50	63	60	62	61	57	50	40	68
Surrounding	dB(A)	19	17	38	45	42	42	36	29	49
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	42
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	28

Certifications



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Flexibility

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Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

Certifications



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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	66	W
Input power kW	0.066	kW
Input current	0.292	A
Impeller speed	2,526	rpm
Air flow	max 382	m ³ /h
Capacitance of capacitor	1.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XL	

Sound data

Sound pressure level at 3m (20m ² Sabin)	44	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

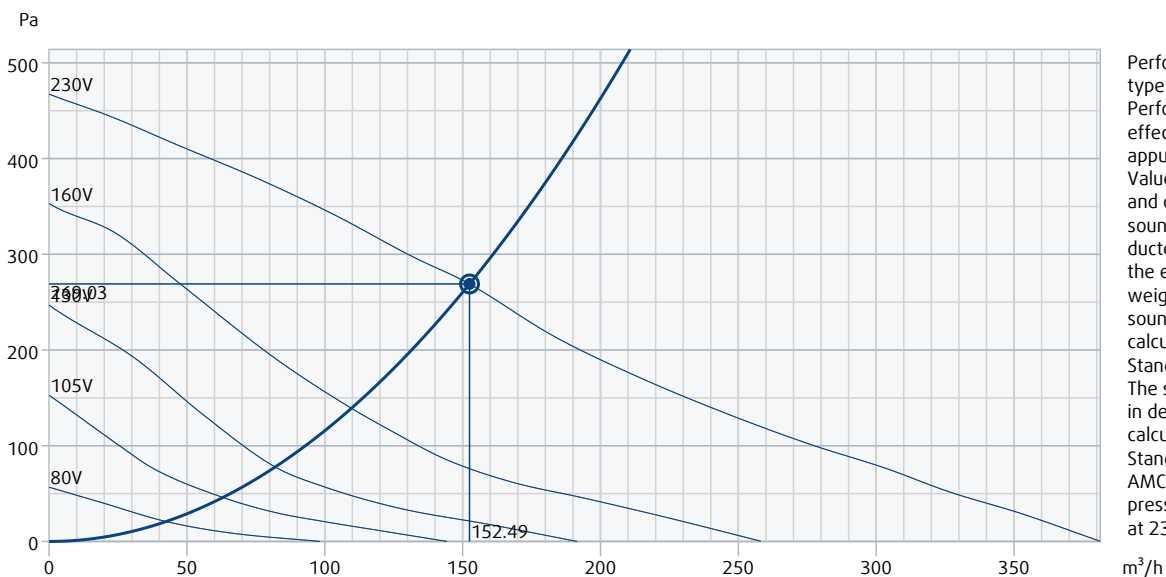
Duct dimension; Circular, inlet	125	mm
Duct dimension; Circular, outlet	125	mm
Weight	2.9	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



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Hydraulic data

Required air flow	152 m³/h
Required static pressure	269 Pa
Working air flow	152 m³/h
Working static pressure	269 Pa
Air density	1.204 kg/m³
Power	60.3 W
Fan control - RPM	2,800 rpm
Current	0.27 A
SFP	1.423 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	50	64	65	66	65	62	55	44	72
Outlet	dB(A)	52	65	63	63	63	60	54	44	70
Surrounding	dB(A)	18	22	36	45	43	44	38	29	50
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	43
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	29

Certifications



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- **Mounting bracket** included
- **Noise and energy optimized** impeller

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Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

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Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

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Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	53	W
Input power kW	0.053	kW
Input current	0.232	A
Impeller speed	2,379	rpm
Air flow	max 464	m ³ /h
Capacitance of capacitor	1.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	40	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	B
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

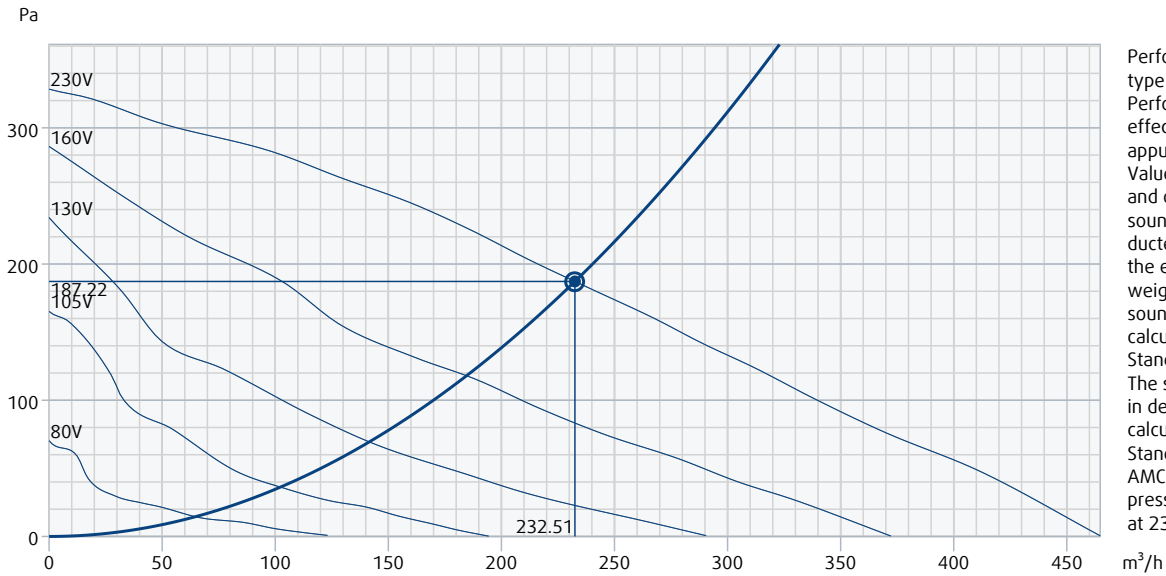
Duct dimension; Circular, inlet	150	mm
Duct dimension; Circular, outlet	150	mm
Weight	3.3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



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Hydraulic data

Required air flow	232 m³/h
Required static pressure	187 Pa
Working air flow	233 m³/h
Working static pressure	187 Pa
Air density	1.204 kg/m³
Power	52.2 W
Fan control - RPM	2,397 rpm
Current	0.23 A
SFP	0.808 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	47	57	57	58	58	57	55	42	65
Outlet	dB(A)	41	54	51	57	57	55	53	41	63
Surrounding	dB(A)	19	13	28	38	38	38	38	27	44
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	37
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	23

Certifications



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Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	67	W
Input power kW	0.067	kW
Input current	0.293	A
Impeller speed	2,525	rpm
Air flow	max 508	m ³ /h
Capacitance of capacitor	1.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	40	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

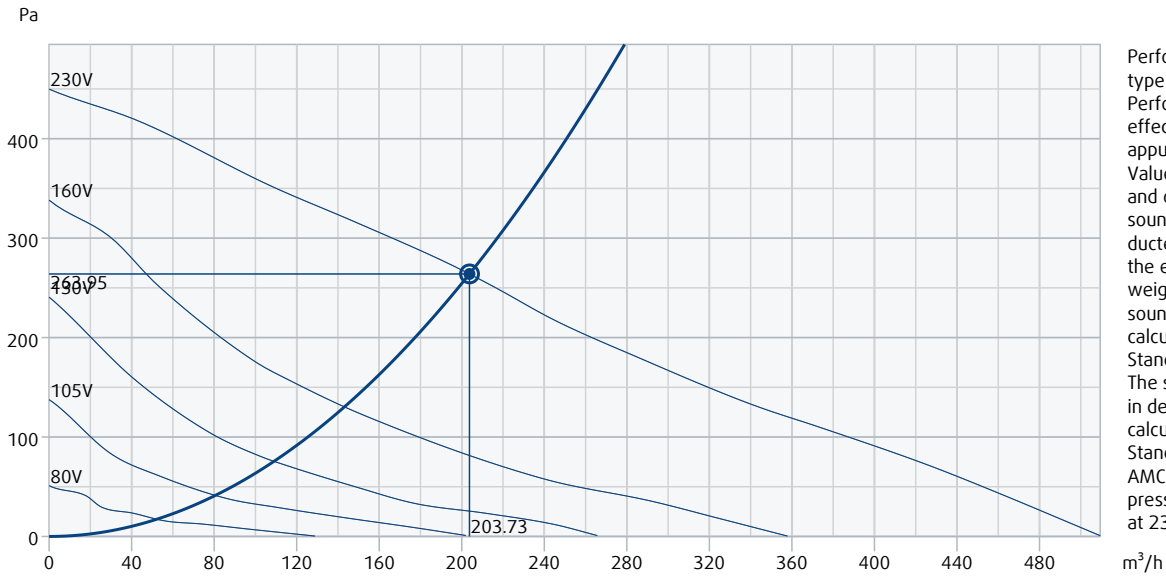
Duct dimension; Circular, inlet	150	mm
Duct dimension; Circular, outlet	150	mm
Weight	3.3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	204 m³/h
Required static pressure	264 Pa
Working air flow	204 m³/h
Working static pressure	264 Pa
Air density	1.204 kg/m³
Power	63.9 W
Fan control - RPM	2,650 rpm
Current	0.28 A
SFP	1.130 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	45	61	60	60	59	59	57	44	67
Outlet	dB(A)	46	59	55	59	59	57	54	42	66
Surrounding	dB(A)	14	18	30	41	39	40	39	28	46
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	39
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	25

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

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- **Indoor** and **outdoor** installation
- **Reliable** and **airtight**
- **Mounting bracket** included
- **Noise and energy optimized** impeller

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Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

Certifications



Ecodesign (ErP) compliant

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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	100	W
Input power kW	0.1	kW
Input current	0.443	A
Impeller speed	2,523	rpm
Air flow	max 724	m ³ /h
Capacitance of capacitor	2.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XL	

Sound data

Sound pressure level at 3m (20m ² Sabin)	48	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

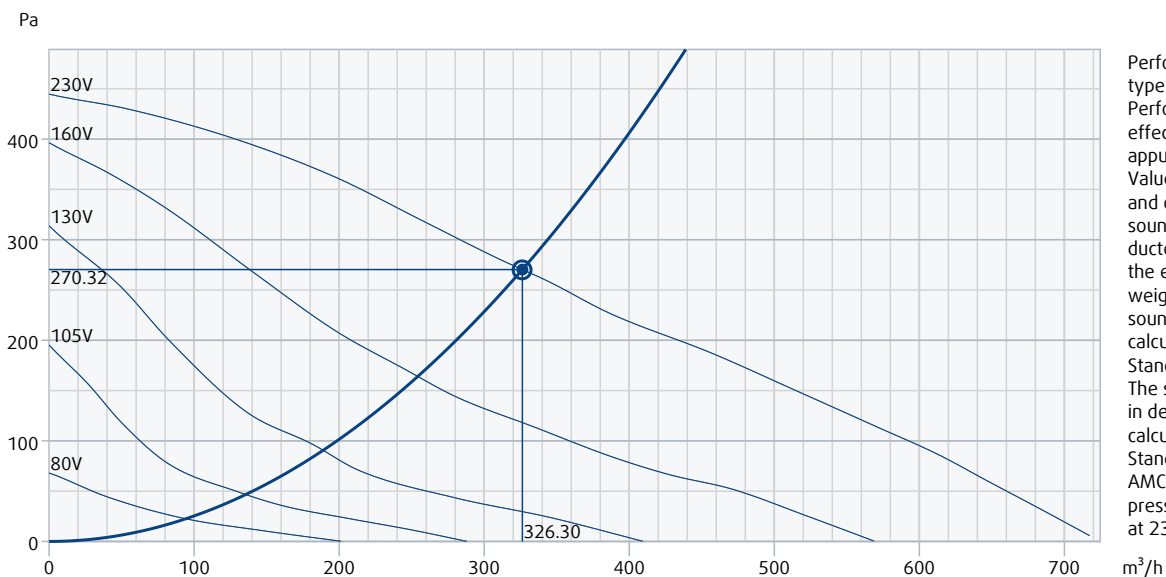
Duct dimension; Circular, inlet	150	mm
Duct dimension; Circular, outlet	150	mm
Weight	4.1	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	326 m³/h
Required static pressure	270 Pa
Working air flow	326 m³/h
Working static pressure	270 Pa
Air density	1.204 kg/m³
Power	96.7 W
Fan control - RPM	2,555 rpm
Current	0.42 A
SFP	1.067 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	51	76	68	72	67	62	59	49	78
Outlet	dB(A)	55	72	63	68	64	62	55	48	74
Surrounding	dB(A)	15	33	37	50	46	47	44	30	53
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	46
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	32

Certifications



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Accessories

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Features

Construction

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Impeller

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Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	138	W
Input power kW	0.138	kW
Input current	0.6	A
Impeller speed	2,640	rpm
Air flow	max 778	m ³ /h
Capacitance of capacitor	2.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XL	

Sound data

Sound pressure level at 3m (20m ² Sabin)	49	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

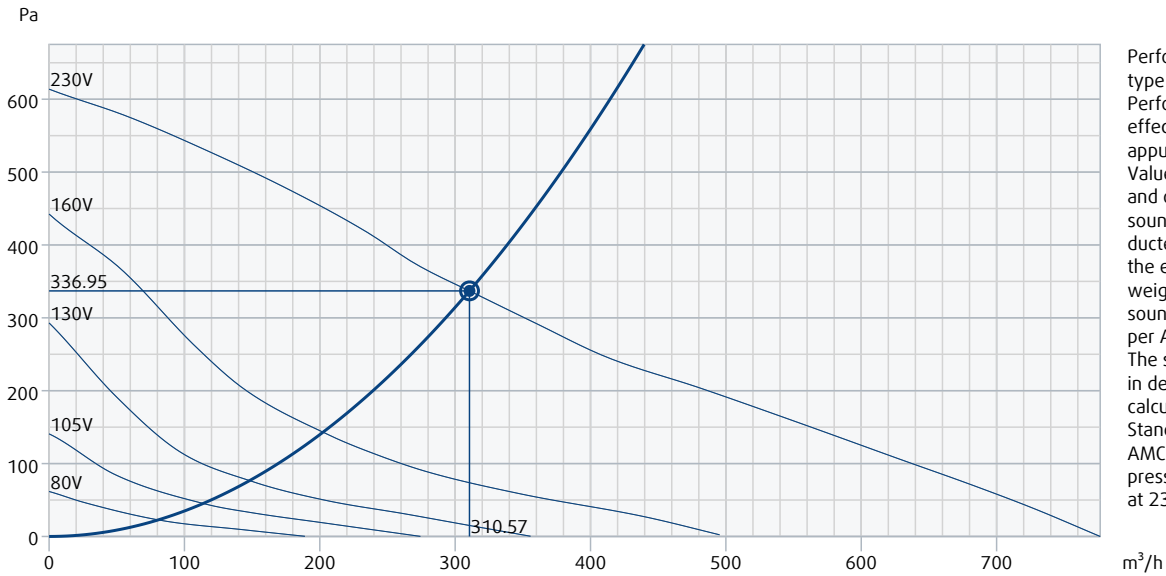
Duct dimension; Circular, inlet	150	mm
Duct dimension; Circular, outlet	150	mm
Weight	4.1	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	311 m³/h
Required static pressure	337 Pa
Working air flow	311 m³/h
Working static pressure	337 Pa
Air density	1.204 kg/m³
Power	131.5 W
Fan control - RPM	2,743 rpm
Current	0.58 A
SFP	1.524 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	53	79	70	73	68	64	61	51	81
Outlet	dB(A)	56	74	64	70	65	63	57	50	77
Surrounding	dB(A)	12	37	38	52	46	49	46	32	55
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	48
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	34

Certifications



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Flexibility

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Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	53	W
Input power kW	0.053	kW
Input current	0.231	A
Impeller speed	2,388	rpm
Air flow	max 450	m ³ /h
Capacitance of capacitor	1.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	38	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	B
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

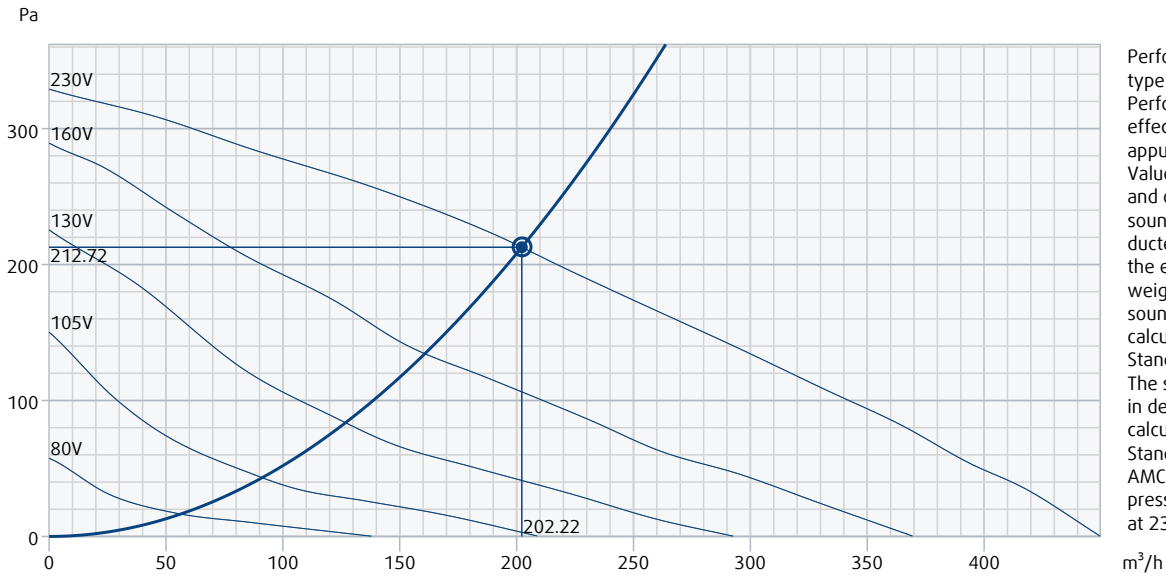
Duct dimension; Circular, inlet	160	mm
Duct dimension; Circular, outlet	160	mm
Weight	3.3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	202 m³/h
Required static pressure	213 Pa
Working air flow	202 m³/h
Working static pressure	213 Pa
Air density	1.204 kg/m³
Power	51.2 W
Fan control - RPM	2,437 rpm
Current	0.22 A
SFP	0.912 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	42	61	59	58	59	58	52	41	66
Outlet	dB(A)	45	60	54	59	57	56	51	40	65
Surrounding	dB(A)	16	20	32	39	38	40	34	25	45
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	38
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	24

Certifications



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Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

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Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	66	W
Input power kW	0.066	kW
Input current	0.292	A
Impeller speed	2,538	rpm
Air flow	max 508	m ³ /h
Capacitance of capacitor	1.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	42	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	B

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

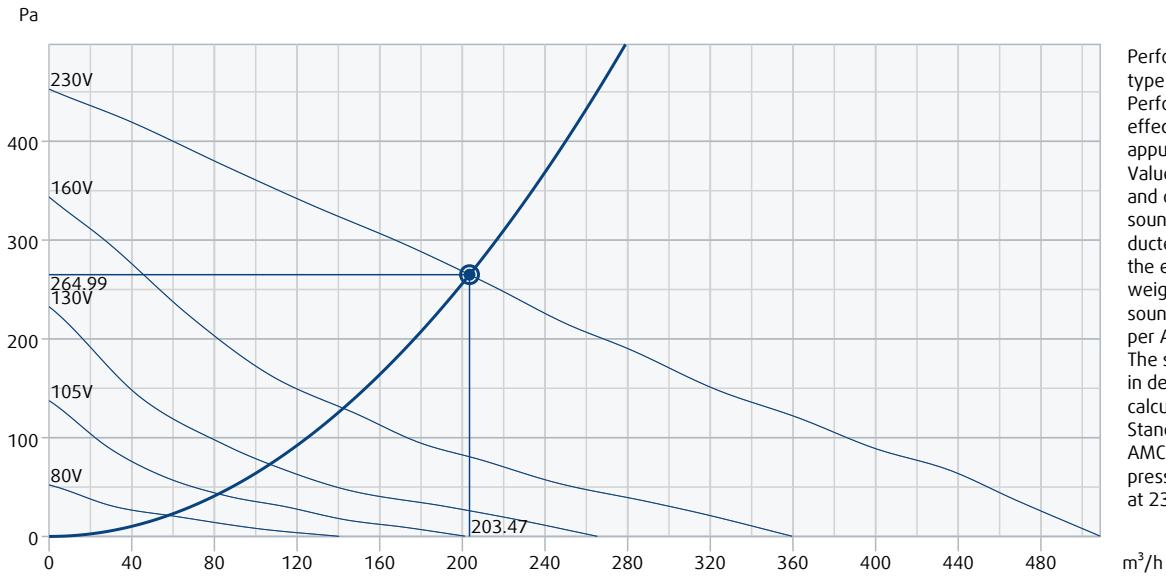
Duct dimension; Circular, inlet	160	mm
Duct dimension; Circular, outlet	160	mm
Weight	3.3	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	203 m³/h
Required static pressure	265 Pa
Working air flow	203 m³/h
Working static pressure	265 Pa
Air density	1.204 kg/m³
Power	63.4 W
Fan control - RPM	2,661 rpm
Current	0.28 A
SFP	1.122 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	44	62	61	60	60	60	55	44	68
Outlet	dB(A)	46	62	54	60	59	59	54	44	67
Surrounding	dB(A)	15	22	34	43	40	42	36	26	47
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	40
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	26

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- **Noise and energy optimized** impeller

[Find more details in our online catalogue](#)

Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

Certifications



Ecodesign (ErP) compliant

Compliant with today's and tomorrow's European Union rules and requirements for energy labelling and ecodesign for Energy-related Products (ErP).



AMCA Worldwide Certified Ratings: Sound and Air Performance

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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	102	W
Input power kW	0.102	kW
Input current	0.447	A
Impeller speed	2,539	rpm
Air flow	max 749	m ³ /h
Capacitance of capacitor	2.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XL	

Sound data

Sound pressure level at 3m (20m ² Sabin)	46	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

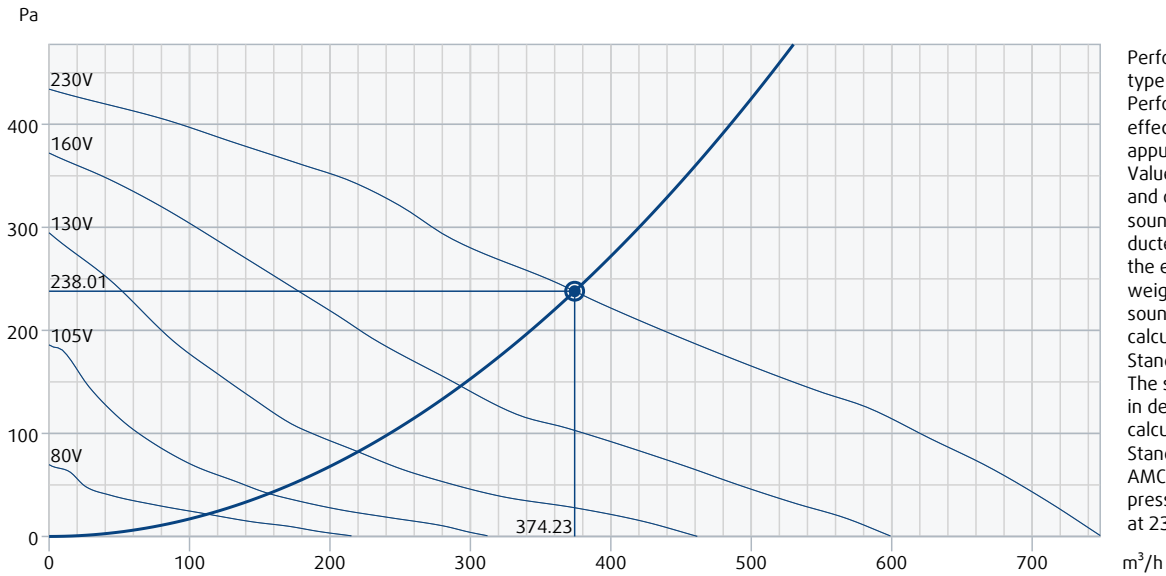
Duct dimension; Circular, inlet	160	mm
Duct dimension; Circular, outlet	160	mm
Weight	4	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	374 m³/h
Required static pressure	238 Pa
Working air flow	374 m³/h
Working static pressure	238 Pa
Air density	1.204 kg/m³
Power	97.0 W
Fan control - RPM	2,559 rpm
Current	0.43 A
SFP	0.933 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	48	74	67	72	68	63	59	49	78
Outlet	dB(A)	51	67	68	68	66	63	57	48	74
Surrounding	dB(A)	10	32	36	50	47	46	42	29	53
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	46
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	32

Certifications



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Features

Construction

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Impeller

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Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	137	W
Input power kW	0.137	kW
Input current	0.596	A
Impeller speed	2,701	rpm
Air flow	max 810	m ³ /h
Capacitance of capacitor	2.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XL	

Sound data

Sound pressure level at 3m (20m ² Sabin)	47	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

Energy class, Basic unit	E
Energy class, Local demand	C
ErP ready	ErP 2016; ErP 2018

Dimensions and weights

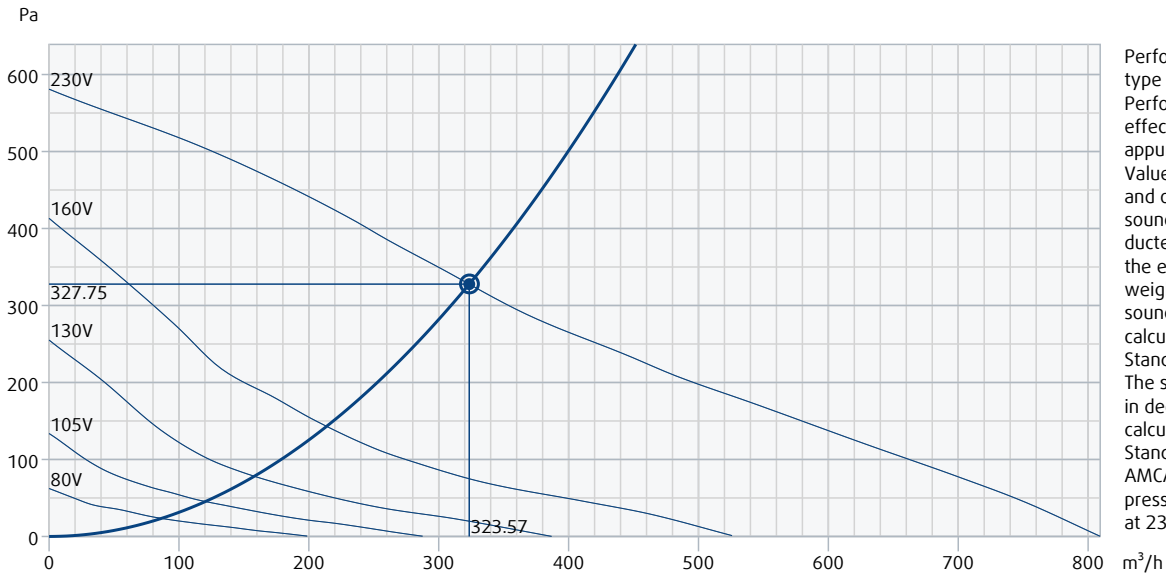
Duct dimension; Circular, inlet	160	mm
Duct dimension; Circular, outlet	160	mm
Weight	4	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	324 m³/h
Required static pressure	328 Pa
Working air flow	324 m³/h
Working static pressure	328 Pa
Air density	1.204 kg/m³
Power	129.5 W
Fan control - RPM	2,802 rpm
Current	0.56 A
SFP	1.441 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	54	73	70	72	69	65	60	49	78
Outlet	dB(A)	58	76	64	70	66	63	56	46	78
Surrounding	dB(A)	13	30	35	50	47	48	43	29	54
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	47
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	33

Certifications



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Flexibility

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Reliability

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Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

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Features

Construction

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Impeller

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Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	102	W
Input power kW	0.102	kW
Input current	0.442	A
Impeller speed	2,529	rpm
Air flow	max 760	m ³ /h
Capacitance of capacitor	2.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	45	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2016; ErP 2018
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Dimensions and weights

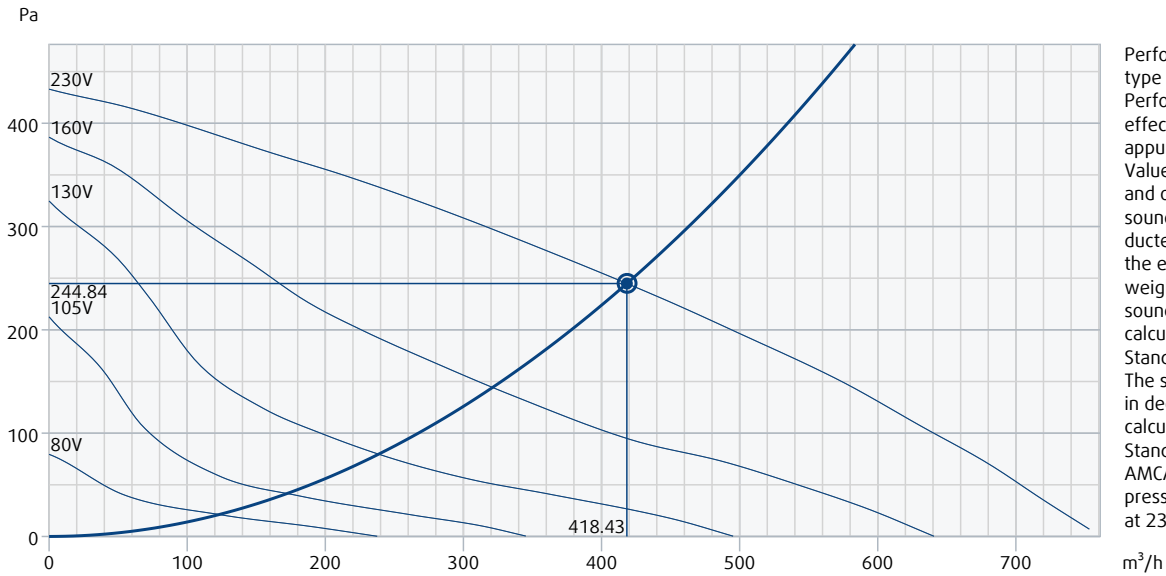
Duct dimension; Circular, inlet	200	mm
Duct dimension; Circular, outlet	200	mm
Weight	4.1	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	419 m³/h
Required static pressure	245 Pa
Working air flow	418 m³/h
Working static pressure	245 Pa
Air density	1.204 kg/m³
Power	99.0 W
Fan control - RPM	2,530 rpm
Current	0.44 A
SFP	0.852 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	43	63	62	64	62	62	57	50	70
Outlet	dB(A)	46	58	64	64	62	62	57	49	70
Surrounding	dB(A)	14	23	37	46	43	43	38	29	50
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	43
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	29

Certifications



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- **Reliable** and **airtight**
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Flexibility

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Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

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Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	135	W
Input power kW	0.135	kW
Input current	0.592	A
Impeller speed	2,660	rpm
Air flow	max 842	m ³ /h
Capacitance of capacitor	2.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	44	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2016; ErP 2018
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Dimensions and weights

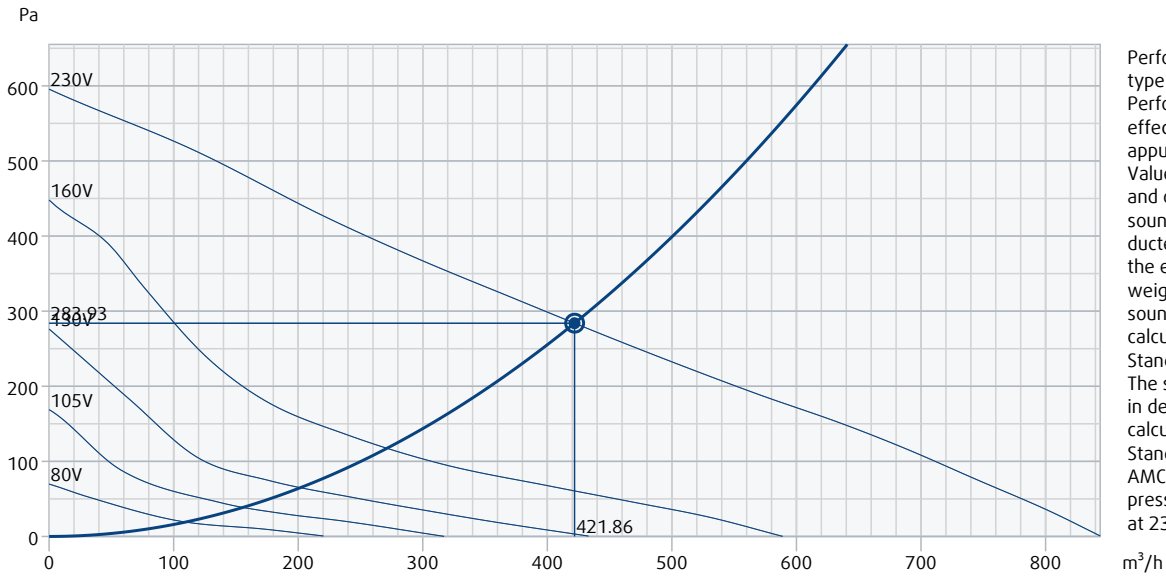
Duct dimension; Circular, inlet	200	mm
Duct dimension; Circular, outlet	200	mm
Weight	4.1	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



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Hydraulic data

Required air flow	422 m³/h
Required static pressure	284 Pa
Working air flow	422 m³/h
Working static pressure	284 Pa
Air density	1.204 kg/m³
Power	134.0 W
Fan control - RPM	2,677 rpm
Current	0.59 A
SFP	1.143 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	47	66	66	67	65	63	57	50	73
Outlet	dB(A)	51	60	64	67	64	64	58	50	71
Surrounding	dB(A)	17	29	38	47	45	43	38	29	51
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	44
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	30

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Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	158	W
Input power kW	0.158	kW
Input current	0.683	A
Impeller speed	2,645	rpm
Air flow	max 974	m ³ /h
Capacitance of capacitor	5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	L	

Sound data

Sound pressure level at 3m (20m ² Sabin)	43	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2018; ErP 2016
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Dimensions and weights

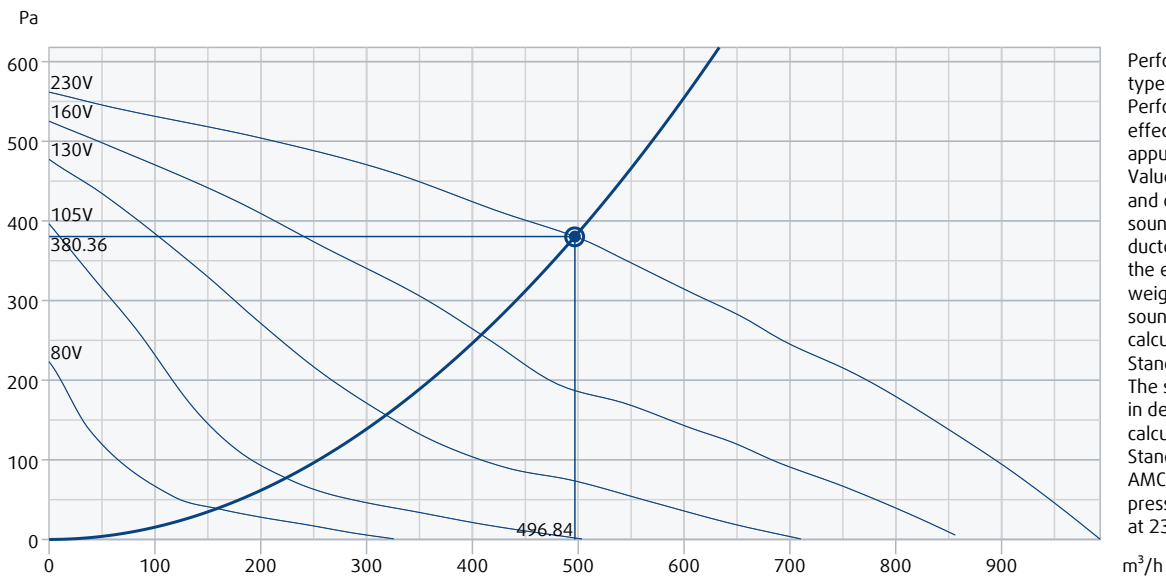
Duct dimension; Circular, inlet	200	mm
Duct dimension; Circular, outlet	200	mm
Weight	4.8	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	497 m³/h
Required static pressure	380 Pa
Working air flow	497 m³/h
Working static pressure	380 Pa
Air density	1.204 kg/m³
Power	151.2 W
Fan control - RPM	2,667 rpm
Current	0.66 A
SFP	1.096 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	52	60	66	62	63	61	53	48	70
Outlet	dB(A)	55	61	60	61	62	61	55	48	69
Surrounding	dB(A)	19	28	43	41	46	44	36	28	50
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	43
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	29

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

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K Circular Duct Fans

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- **Indoor** and **outdoor** installation
- **Reliable** and **airtight**
- **Mounting bracket** included
- **Noise and energy optimized** impeller

[Find more details in our online catalogue](#)

Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

Certifications



Ecodesign (ErP) compliant

Compliant with today's and tomorrow's European Union rules and requirements for energy labelling and ecodesign for Energy-related Products (ErP).



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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	229	W
Input power kW	0.229	kW
Input current	1.015	A
Impeller speed	2,839	rpm
Air flow	max 1,093	m ³ /h
Capacitance of capacitor	5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	L	

Sound data

Sound pressure level at 3m (20m ² Sabin)	46	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2018; ErP 2016
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Dimensions and weights

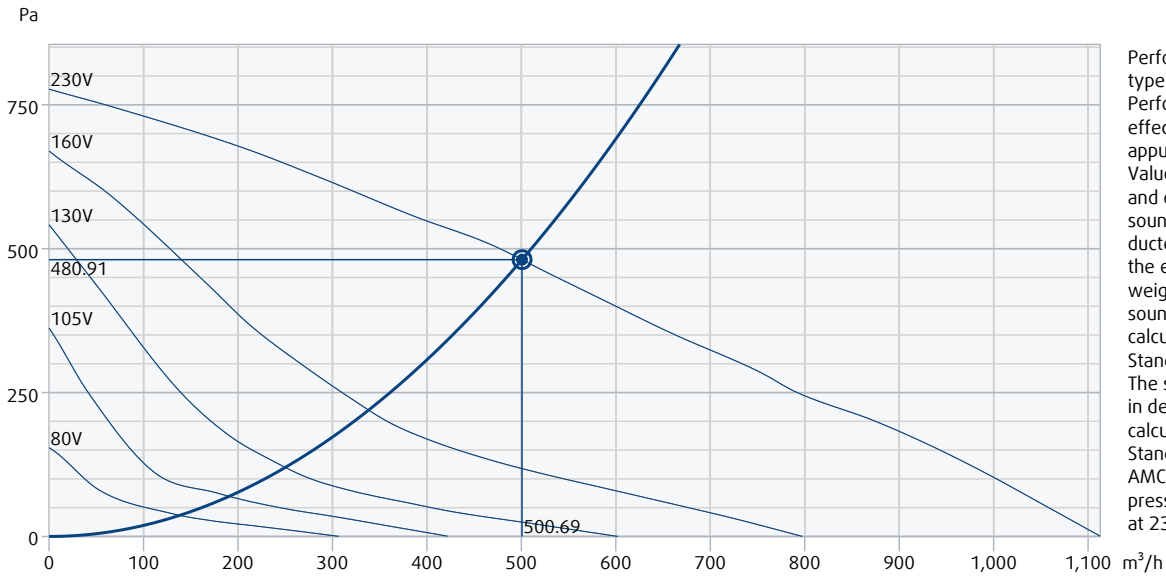
Duct dimension; Circular, inlet	200	mm
Duct dimension; Circular, outlet	200	mm
Weight	4.8	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	501 m³/h
Required static pressure	481 Pa
Working air flow	501 m³/h
Working static pressure	481 Pa
Air density	1.204 kg/m³
Power	217.1 W
Fan control - RPM	2,933 rpm
Current	0.97 A
SFP	1.561 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	56	64	69	65	66	64	56	50	73
Outlet	dB(A)	59	65	64	65	65	64	58	51	72
Surrounding	dB(A)	28	28	43	45	48	47	39	30	52
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	45
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	31

Certifications



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Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	103	W
Input power kW	0.103	kW
Input current	0.449	A
Impeller speed	2,535	rpm
Air flow	max 788	m ³ /h
Capacitance of capacitor	2.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	43	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2016; ErP 2018
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Dimensions and weights

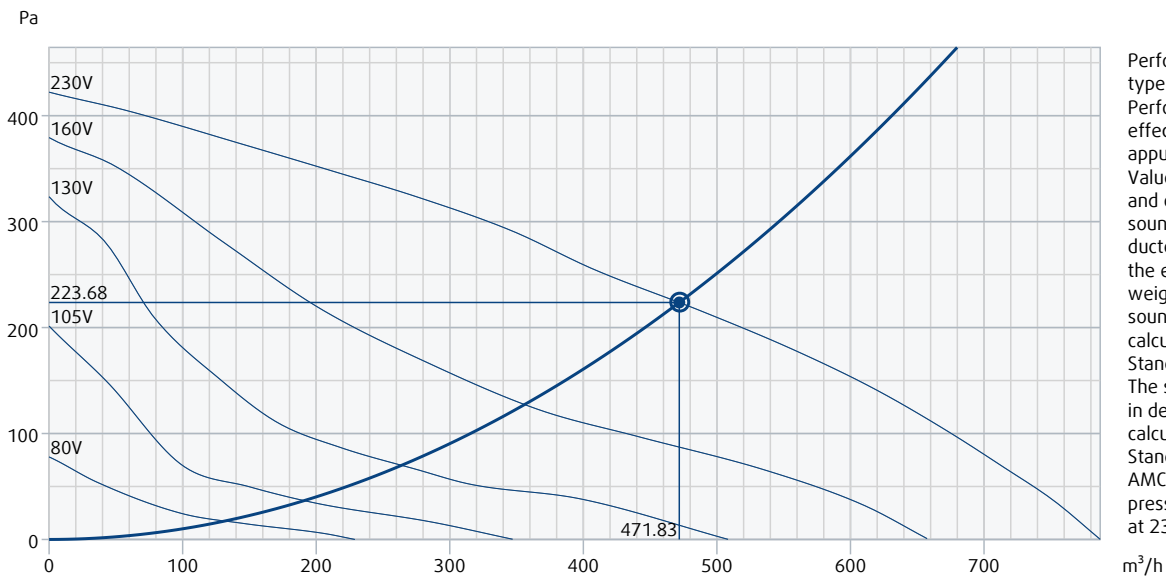
Duct dimension; Circular, inlet	250	mm
Duct dimension; Circular, outlet	250	mm
Weight	3.9	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	472 m³/h
Required static pressure	224 Pa
Working air flow	472 m³/h
Working static pressure	224 Pa
Air density	1.204 kg/m³
Power	101.2 W
Fan control - RPM	2,520 rpm
Current	0.45 A
SFP	0.772 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	38	59	65	61	60	58	54	50	68
Outlet	dB(A)	42	62	64	61	61	60	53	47	69
Surrounding	dB(A)	<10	29	41	43	43	38	36	32	48
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	41
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	27

Certifications



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Flexibility

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Reliability

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Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

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Certifications



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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	138	W
Input power kW	0.138	kW
Input current	0.606	A
Impeller speed	2,625	rpm
Air flow	max 871	m ³ /h
Capacitance of capacitor	2.5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	44	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2016; ErP 2018
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Dimensions and weights

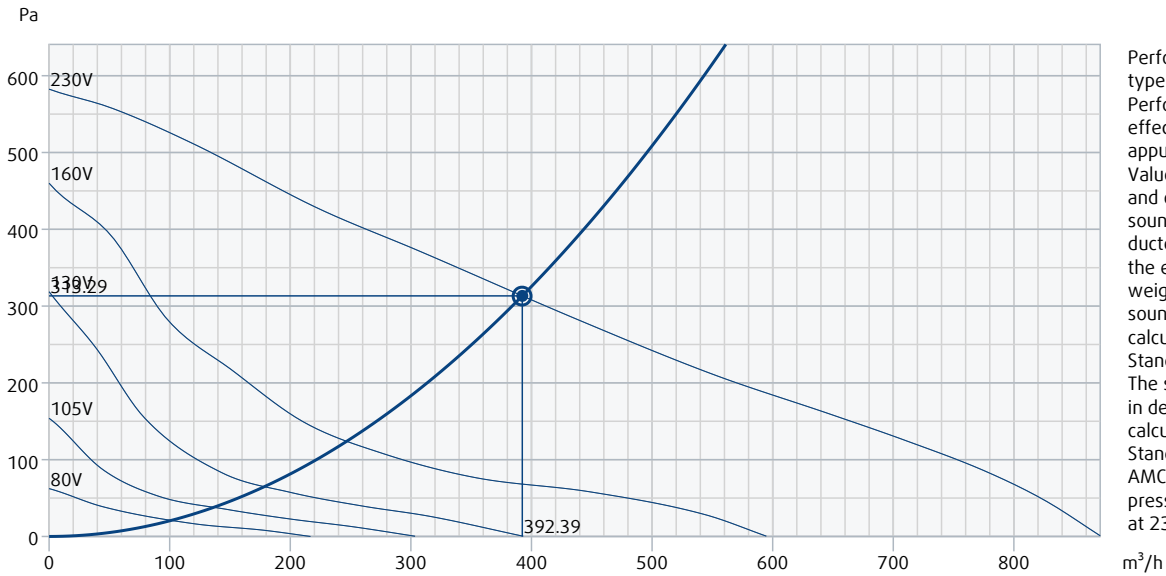
Duct dimension; Circular, inlet	250	mm
Duct dimension; Circular, outlet	250	mm
Weight	3.9	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



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Hydraulic data

Required air flow	392 m³/h
Required static pressure	313 Pa
Working air flow	392 m³/h
Working static pressure	313 Pa
Air density	1.204 kg/m³
Power	135.5 W
Fan control - RPM	2,703 rpm
Current	0.59 A
SFP	1.243 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	45	66	65	63	62	60	55	48	71
Outlet	dB(A)	46	66	66	62	62	61	55	48	71
Surrounding	dB(A)	13	34	38	46	43	39	37	30	49
Sound pressure level at 3m (20m² Sabine)		dB(A)	-	-	-	-	-	-	-	42
Sound pressure level at 3m free field		dB(A)	-	-	-	-	-	-	-	28

Certifications



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Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

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Features

Construction

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Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	158	W
Input power kW	0.158	kW
Input current	0.677	A
Impeller speed	2,645	rpm
Air flow	max 950	m ³ /h
Capacitance of capacitor	5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	L	

Sound data

Sound pressure level at 3m (20m ² Sabin)	41	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2016; ErP 2018
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Dimensions and weights

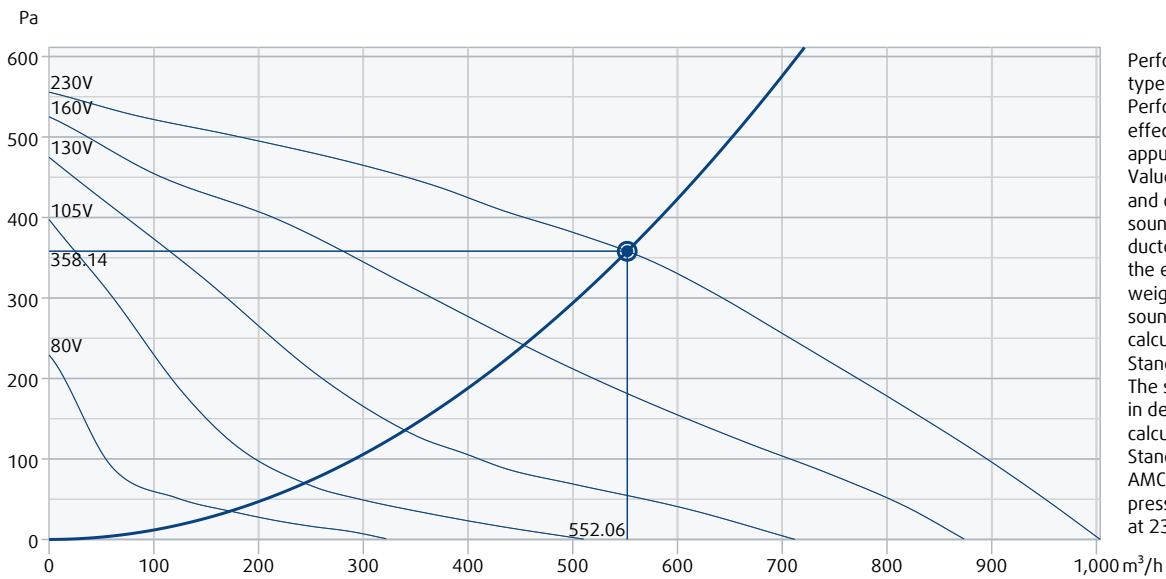
Duct dimension; Circular, inlet	250	mm
Duct dimension; Circular, outlet	250	mm
Weight	4.6	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



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Hydraulic data

Required air flow	552 m³/h
Required static pressure	358 Pa
Working air flow	552 m³/h
Working static pressure	358 Pa
Air density	1.204 kg/m³
Power	155.0 W
Fan control - RPM	2,661 rpm
Current	0.66 A
SFP	1.011 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	53	62	65	62	63	60	54	50	70
Outlet	dB(A)	56	62	59	62	63	63	55	49	69
Surrounding	dB(A)	30	31	42	42	41	42	34	28	48
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	41
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	27

Certifications



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Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	234	W
Input power kW	0.234	kW
Input current	1.022	A
Impeller speed	2,852	rpm
Air flow	max 1,098	m ³ /h
Capacitance of capacitor	5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	L	

Sound data

Sound pressure level at 3m (20m ² Sabin)	45	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2018; ErP 2016
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Dimensions and weights

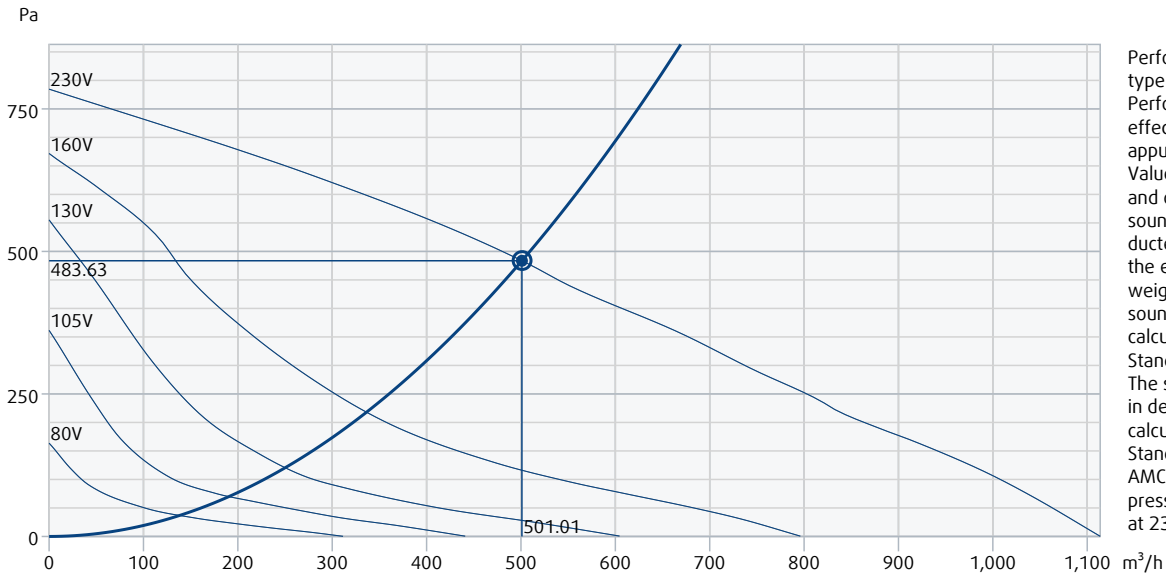
Duct dimension; Circular, inlet	250	mm
Duct dimension; Circular, outlet	250	mm
Weight	4.6	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	501 m³/h
Required static pressure	484 Pa
Working air flow	501 m³/h
Working static pressure	484 Pa
Air density	1.204 kg/m³
Power	221.2 W
Fan control - RPM	2,949 rpm
Current	0.97 A
SFP	1.590 kW/m³/s
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	61	63	67	64	65	62	57	50	72
Outlet	dB(A)	61	64	62	64	65	64	58	51	72
Surrounding	dB(A)	39	36	43	48	42	44	37	29	51
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	44
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	30

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair certifies that the model K 250 L Sileo - KSA is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Check the AMCA Certified and Listed Product Search for our products
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- **Reliable** and **airtight**
- **Mounting bracket** included
- **Noise and energy optimized** impeller

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Flexibility

The K fans are intended to use for **supply** or **extract** air, designed to be installed in **any position**. This ensures that the fans can be used in a variety of **commercial** and **domestic** applications.

Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

Certifications



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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	206	W
Input power kW	0.206	kW
Input current	0.889	A
Impeller speed	2,531	rpm
Air flow	max 1,238	m ³ /h
Capacitance of capacitor	5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	41	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	Not ErP relevant
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Dimensions and weights

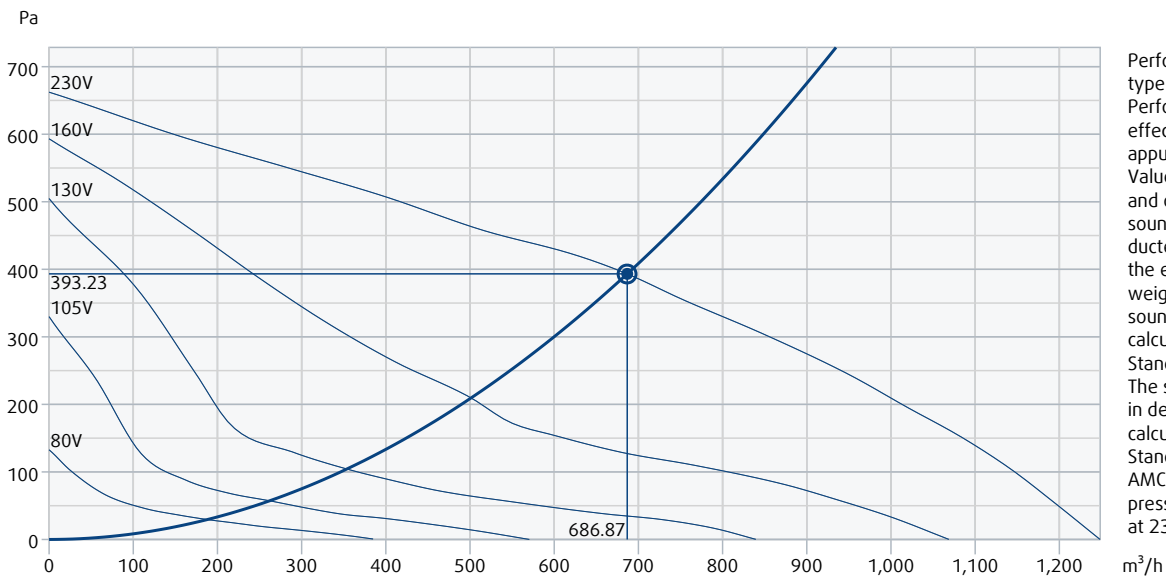
Duct dimension; Circular, inlet	315	mm
Duct dimension; Circular, outlet	315	mm
Weight	5.5	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	687 m³/h
Required static pressure	393 Pa
Working air flow	687 m³/h
Working static pressure	393 Pa
Air density	1.204 kg/m³
Power	204.3 W
Fan control - RPM	2,543 rpm
Current	0.88 A
SFP	1.071 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	52	60	58	60	63	61	60	51	69
Outlet	dB(A)	56	53	61	58	63	63	60	51	69
Surrounding	dB(A)	14	29	32	39	37	45	40	24	48
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	41
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	27

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

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Flexibility

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Reliability

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Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

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Features

Construction

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Impeller

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Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	285	W
Input power kW	0.285	kW
Input current	1.221	A
Impeller speed	2,546	rpm
Air flow	max 1,372	m ³ /h
Capacitance of capacitor	5	µF
Temperature of transported air	max 53	°C
Max temperature of transported air, when speed controlled	48	°C
Motor power	M	

Sound data

Sound pressure level at 3m (20m ² Sabin)	42	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	Not ErP relevant
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Dimensions and weights

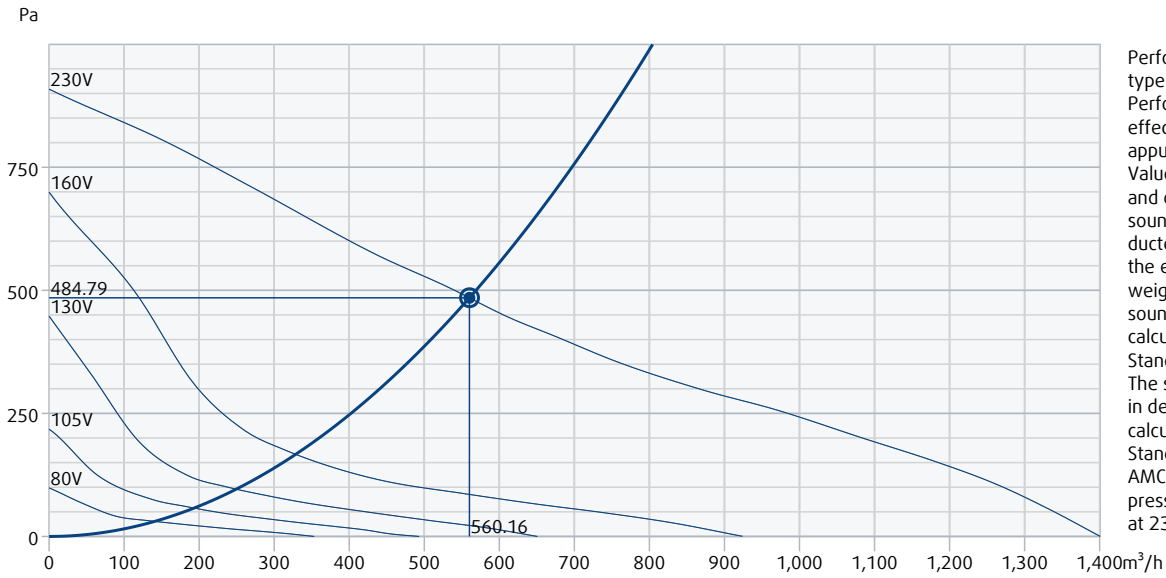
Duct dimension; Circular, inlet	315	mm
Duct dimension; Circular, outlet	315	mm
Weight	5.5	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	560 m³/h
Required static pressure	485 Pa
Working air flow	560 m³/h
Working static pressure	485 Pa
Air density	1.204 kg/m³
Power	270.7 W
Fan control - RPM	2,656 rpm
Current	1.15 A
SFP	1.740 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	58	65	64	64	65	62	60	51	72
Outlet	dB(A)	61	59	65	61	65	65	60	52	71
Surrounding	dB(A)	22	30	33	44	39	46	40	25	49
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	42
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	28

Certifications



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Flexibility

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Reliability

The unit's **airtight casing** and corrosion resistance permits **outdoor** and **indoor** use. The combination of reliable casing and motor construction ensures, to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

Sound optimized radial impeller together with **high efficient** external rotor motor are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

K fans can be selected together with variety types of **accessories** as fast clamps, heaters, filters, dampers, etc.

Certifications



Ecodesign (ErP) compliant

Compliant with today's and tomorrow's European Union rules and requirements for energy labelling and ecodesign for Energy-related Products (ErP).



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Features

Construction

Casing made of **galvanised sheet steel**, corrosion **class C3** is fully **air tight class C** according to EN1751. The fans are equipped with an external **terminal box with** protection class **IP55**.

Impeller

K fans use backward curved **radial** impellers. These are from lightweight, hard-wearing fiberglass reinforced **polyamide**, dynamically **balanced** and paired with corresponding external rotor motors.

Motor

Depending on type, K fans are equipped with **AC** or high efficient **EC** external rotor motors. All motors are suitable for **50Hz** and **60Hz**.

Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset. Size 100 and 125 has an impedance motor protection.

Fans with **EC** motors have an **integrated** electronic **thermal protection** including **locked-rotor protection** and **soft-start**.

Control

EC motor with **built-in potentiometer** to adjust working point can be also controlled by external **signal 0-10V**.

AC motor can be controlled by **5-step** or **stepless** speed regulator.

Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	217	W
Input power kW	0.217	kW
Input current	0.95	A
Impeller speed	2,719	rpm
Air flow	max 1,256	m ³ /h
Capacitance of capacitor	5	µF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C
Motor power	XM	

Sound data

Sound pressure level at 3m (20m ² Sabin)	43	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	ErP 2016; ErP 2018
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Dimensions and weights

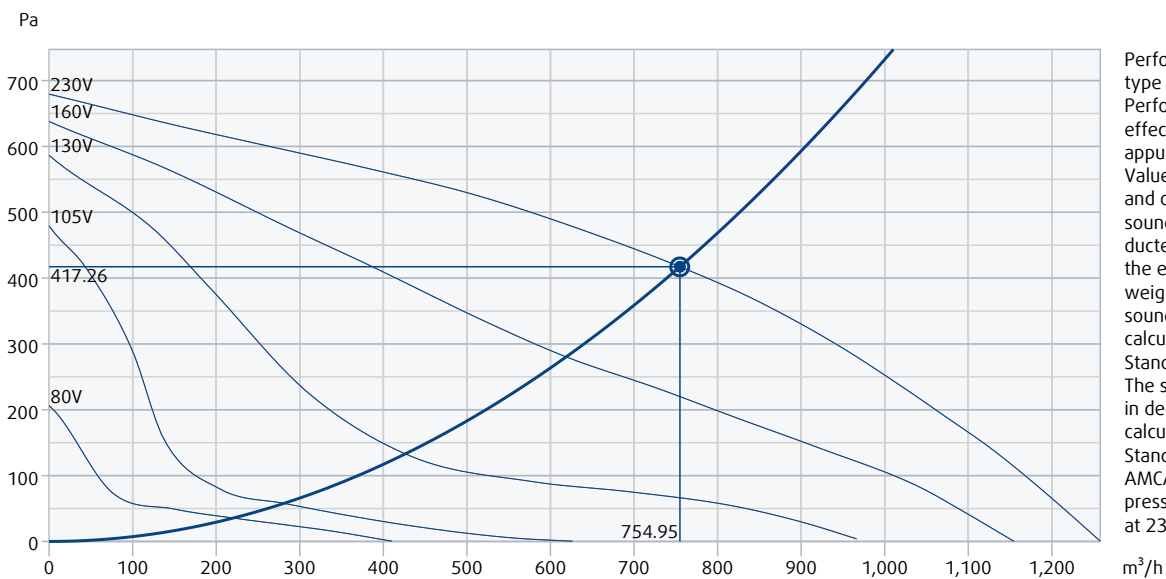
Duct dimension; Circular, inlet	315	mm
Duct dimension; Circular, outlet	315	mm
Weight	6.6	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	755 m³/h
Required static pressure	417 Pa
Working air flow	755 m³/h
Working static pressure	417 Pa
Air density	1.204 kg/m³
Power	216.6 W
Fan control - RPM	2,719 rpm
Current	0.95 A
SFP	1.033 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	61	62	63	63	65	62	59	56	71
Outlet	dB(A)	59	54	66	61	66	65	59	59	72
Surrounding	dB(A)	35	27	37	41	39	47	41	34	50
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	43
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	29

Certifications



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Installation

K fans can be installed in **any** position **indoor** and **outdoor** by included **mounting brackets**. All models have a spigot with 25 mm length which is perfectly designed to connect circular duct by **fast clamps preventing vibration** to the duct.

Installation can be combined with filter boxes, sound attenuators, and other mechanical accessories from recommended list.

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	318	W
Input power kW	0.318	kW
Input current	1.39	A
Impeller speed	2,318	rpm
Air flow	max 1,728	m ³ /h
Capacitance of capacitor	7	µF
Temperature of transported air	max 57	°C
Max temperature of transported air, when speed controlled	52	°C
Motor power	L	

Sound data

Sound pressure level at 3m (20m ² Sabin)	50	dB(A)
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Protection/Classification

Enclosure class, motor	IP44
Insulation class	F

Data according to ErP

ErP ready	Not ErP relevant
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Dimensions and weights

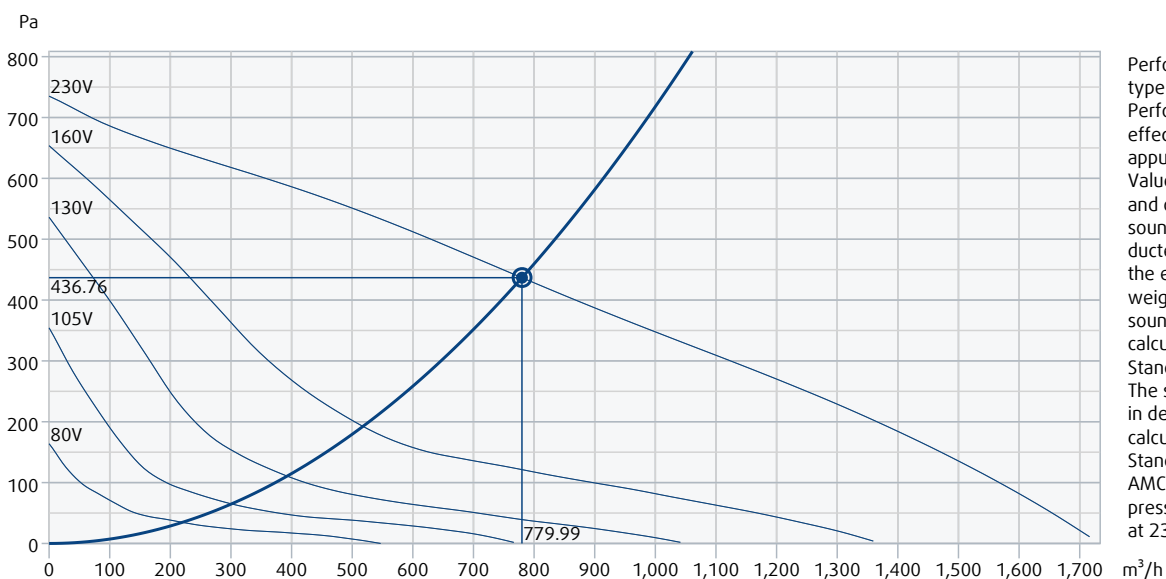
Duct dimension; Circular, inlet	315	mm
Duct dimension; Circular, outlet	315	mm
Weight	6.6	kg

Others

Duct connection type	Circular
Motor type	AC

Performance

Performance curve



Performance certified is for installation type D – Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet Lwi and LwiA and outlet Lwo and LwoA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. The sound power level ratings shown are in decibels, referred to 10-12 watts, calculated per AMCA International Standard 301. AMCA certified data is, Airflow, Static pressure, Power, Inlet sound, Outlet sound at 230V

Hydraulic data

Required air flow	780 m³/h
Required static pressure	437 Pa
Working air flow	780 m³/h
Working static pressure	437 Pa
Air density	1.204 kg/m³
Power	311.4 W
Fan control - RPM	2,438 rpm
Current	1.35 A
SFP	1.437 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	55	66	69	69	67	65	62	58	75
Outlet	dB(A)	57	66	69	69	70	70	64	58	76
Surrounding	dB(A)	27	34	50	56	46	50	46	39	59
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	52
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	38

Certifications



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