

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, **offices**, **storages** and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Certifications



Ecodesign (ErP) compliant

Systemair TFSK 125 M Black

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data	
Voltage (nominal) 230	V
Frequency 50	Hz
Phases 1~	
Input power 25	W
Input power kW 0.025	kW
Input current 0.133	А
Impeller speed 1,799	rpm
Air flow max 297	m³/h
Capacitance of capacitor 1.5	μF
Temperature of transported air max 70	°C
Max temperature of transported air, when speed controlled 70	°C

Sound data		
Sound pressure level at 10m (free field)	33	dB(A)
Sound pressure level at 3m (free field)	43	dB(A)
Sound pressure level at 4m (free field)	41	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

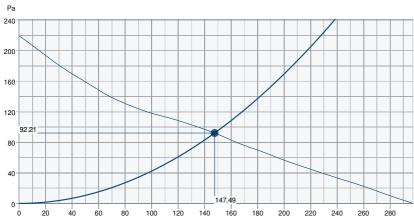
Energy class, Basic unit	E	
Energy class, Local demand	В	
ErP ready	ErP 2018; ErP 2016	

Dimensions and weights	
Duct dimension; Circular, inlet	125 mm
Weight	3.1 kg
Others	
Dust connection type	Circulor

Color name, casing Black Motor type AC	Duct connection type	Circular	
Motor type AC	Color name, casing	Black	
	Motor type	AC	

Article name: TFSK 125 M Black | Product link: https://shop.systemair.com/en/productPermalink?p=101956 | Item number: 1344 | Variant: 230V 1~ 50Hz | Document type: Product card | Created at: 31-01-25 | Generated by: Systemair Online Catalogue | Language: English Systemair TFSK 125 M Black

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	147 m³/h
Required static pressure	92 Pa
Working air flow	147 m³/h
Working static pressure	92 Pa
Air density	1.204 kg/m³
Power	24.9 W
Fan control - RPM	1,845 rpm
Current	0.13 A
SFP	0.608 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

m³/h

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	53	49	61	53	53	49	36	23	63
Outlet	dB(A)	53	49	62	55	52	48	42	24	64

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 125 M 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

NOTE!

This product card is also used for TFSK 125 M Grey & TFSK 125 M Red.



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Quiet solution

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Certifications



Ecodesign (ErP) compliant

Systemair TFSK 125 M Black

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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Motor

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Motor protection

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

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Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	31	W
Input power kW	0.031	kW
Input current	0.161	А
Impeller speed	1,898	rpm
Air flow	max 289	m³/h
Capacitance of capacitor	1.5	μF
Temperature of transported air	max 66	°C
Max temperature of transported air, when speed controlled	66	°C

Sound data		
Sound pressure level at 10m (free field)	31	dB(A)
Sound pressure level at 3m (free field)	41	dB(A)
Sound pressure level at 4m (free field)	39	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

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

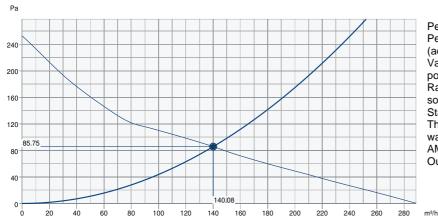
Dimensions and weights	
Duct dimension; Circular, inlet	125 mm
Weight	3.1 kg
Others	

Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Systemair TFSK 125 M Black

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

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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	140 m³/h
Required static pressure	86 Pa
Working air flow	140 m³/h
Working static pressure	86 Pa
Air density	1.204 kg/m ³
Power	31.6 W
Fan control - RPM	1,772 rpm
Current	0.16 A
SFP	0.811 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	48	59	52	52	47	34	23	61
Outlet	dB(A)	53	46	60	53	51	46	40	24	62

Certifications



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NOTE!

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Easy Maintenance

TFS fans deploy a '**swing out**' design and have integrated on/off **service switch** on top of the casing to allow **quick access** for inspection and servicing.

Highly Durable

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Quiet solution

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Certifications



Ecodesign (ErP) compliant

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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Motor

Depending on type, **TFS** 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.

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Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data	
Voltage (nominal) 230	V
Frequency 50	Hz
Phases 1~	
Input power 57	W
Input power kW 0.057	kW
Input current 0.276	А
Impeller speed 2,501	rpm
Air flow max 349	m³/h
Capacitance of capacitor 1.5	μF
Temperature of transported air max 46	°C
Max temperature of transported air, when speed controlled 46	°C

Sound data		
Sound pressure level at 10m (free field)	37	dB(A)
Sound pressure level at 3m (free field)	47	dB(A)
Sound pressure level at 4m (free field)	45	dB(A)

Protection/Classification

Color name, casing

Motor type

Enclosure class, motor	IP44
Insulation class	F

Data according t	o ErP

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

Dimensions and weights		
Duct dimension; Circular, inlet	125	mm
Weight	3.3	kg
Others		
Duct connection type	Circular	

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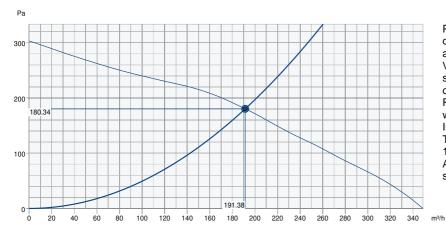
Article name: TFSK 125 XL Sileo Black | Product link: https://shop.systemair.com/en/productPermalink?p=95932 | Item number: 75080 | Variant: 230V 1~ 50Hz | Document type: Product card | Created at: 22-01-25 | Generated by: Systemair Online Catalogue | Language: English

Black

AC

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free outlet.

Ratings include the effects of duct end correction. The Aweighted sound ratings shown have been calculated per AMCA International Standard 301.

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Hydraulic data	
Required air flow	191 m³/h
Required static pressure	180 Pa
Working air flow	191 m³/h
Working static pressure	180 Pa
Air density	1.204 kg/m³
Power	56.2 W
Fan control - RPM	2,517 rpm
Current	0.27 A
SFP	1.057 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	53	63	58	60	56	55	49	67
Outlet	dB(A)	50	57	61	63	61	58	59	52	68

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

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Check the AMCA Certified and Listed Product Search for our products https://www.amca.org/certify/#certified-product-search

NOTE!

This product card is also used for TFSK 125 XL Grey & TFSK 125 XL Red.



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Quiet solution

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Certifications



Ecodesign (ErP) compliant

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.

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Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data	
Voltage (nominal) 230	V
Frequency 60	Hz
Phases 1~	
Input power 59	W
Input power kW 0.059	kW
Input current 0.257	А
Impeller speed 2,876	rpm
Air flow max 409	m³/h
Capacitance of capacitor 1.5	μF
Temperature of transported air max 70	°C
Max temperature of transported air, when speed controlled 70	°C

Sound data		
Sound pressure level at 10m (free field)	46	dB(A)
Sound pressure level at 3m (free field)	56	dB(A)
Sound pressure level at 4m (free field)	54	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP

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

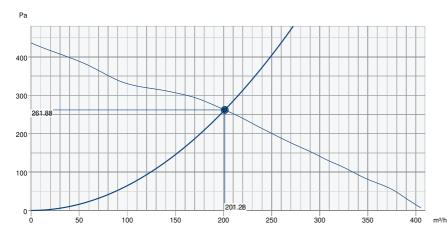
Dimensions and weights	
Duct dimension; Circular, inlet	125 mm
Weight	3.3 kg
Others	
Duct connection type	Circular

Motor type	AC	
Color name, casing	Black	
Duct connection type	Circular	

Article name: TFSK 125 XL Sileo Black | Product link: https://shop.systemair.com/en/productPermalink?p=93109 | Item number: 75080 | Variant: 230V 1~ 60Hz | Document type: Product card | Created at: 22-01-25 | Generated by: Systemair Online Catalogue | Language: English

Performance

Performance curve



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Hydraulic data	
Required air flow	201 m³/h
Required static pressure	262 Pa
Working air flow	201 m³/h
Working static pressure	262 Pa
Air density	1.204 kg/m³
Power	57.3 W
Fan control - RPM	2,925 rpm
Current	0.25 A
SFP	1.024 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)	60	62	70	69	69	68	63	63	76
Outlet	dB(A)	69	65	65	70	71	68	68	66	78

Certifications



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Certifications



Ecodesign (ErP) compliant

Systemair TFSK 160 Sileo Black

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

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Mounting

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Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	51	W
Input power kW	0.051	kW
Input current	0.222	А
Impeller speed	2,377	rpm
Air flow	max 417	m³/h
Capacitance of capacitor	1.5	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	36	dB(A)
Sound pressure level at 3m (free field)	46	dB(A)
Sound pressure level at 4m (free field)	44	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

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

Dimensions and weights	
Duct dimension; Circular, inlet	160 mm
Weight	4.5 kg
Others	
Duct connection type	Circular

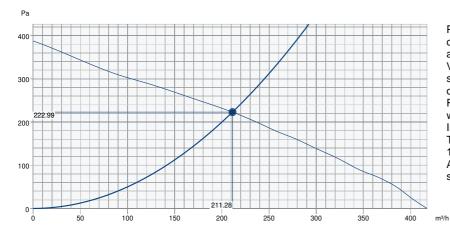
Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Article name: TFSK 160 Sileo Black | Product link: https://shop.systemair.com/en/productPermalink?p=111454 | Item number: 92016 | Variant: 230V 1~ 50Hz | Document type: Product card | Created at: 22-01-25 | Generated by: Systemair Online Catalogue | Language: English

systemair TFSK 160 Sileo Black

Performance

Performance curve



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Ratings include the effects of duct end correction. The Aweighted 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	211 m³/h
Required static pressure	223 Pa
Working air flow	211 m³/h
Working static pressure	223 Pa
Air density	1.204 kg/m ³
Power	50.4 W
Fan control - RPM	2,405 rpm
Current	0.22 A
SFP	0.859 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	50	57	58	60	57	53	47	65
Outlet	dB(A)	47	48	61	59	60	60	57	52	67

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 160 Sileo 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

NOTE!

This product card is also used for TFSK 160 Sileo Grey & TFSK 160 Sileo Red.



A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day **nurseries**.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Certifications



Ecodesign (ErP) compliant

Systemair TFSK 160 Sileo Black

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	64	W
Input power kW	0.064	kW
Input current	0.276	А
Impeller speed	2,539	rpm
Air flow	max 448	m³/h
Capacitance of capacitor	1.5	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	38	dB(A)
Sound pressure level at 3m (free field)	48	dB(A)
Sound pressure level at 4m (free field)	46	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

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

Dimensions and weights	
Duct dimension; Circular, inlet	160 mm
Weight	4.5 kg
Others	
Duct connection type	Circular

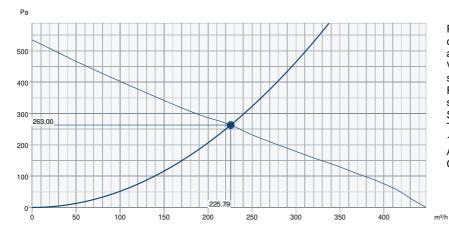
Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Article name: TFSK 160 Sileo Black | Product link: https://shop.systemair.com/en/productPermalink?p=111125 | Item number: 92016 | Variant: 230V 1~ 60Hz | Document type: Product card | Created at: 22-01-25 | Generated by: Systemair Online Catalogue | Language: English

systemair TFSK 160 Sileo Black

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	226 m³/h
Required static pressure	263 Pa
Working air flow	226 m³/h
Working static pressure	263 Pa
Air density	1.204 kg/m ³
Power	62.5 W
Fan control - RPM	2,598 rpm
Current	0.27 A
SFP	0.997 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	52	59	61	61	59	55	50	67
Outlet	dB(A)	50	51	62	61	62	62	59	55	69

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 160 Sileo 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

NOTE!

This product card is also used for TFSK 160 Sileo Grey & TFSK 160 Sileo Red.



A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, **offices**, **storages** and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Certifications



Ecodesign (ErP) compliant

Systemair TFSK 200 Black

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Systemair TFSK 200 Black

Technical parameters

Nominal data

	V Hz
	Hz
Phases 1~	
Input power 101	W
Input power kW 0.101	kW
Input current 0.435	А
Impeller speed 2,501	rpm
Air flow max 756	m³/h
Capacitance of capacitor 3	μF
Temperature of transported air max 70	°C
Max temperature of transported air, when speed controlled 70	°C

Sound data		
Sound pressure level at 10m (free field)	41	dB(A)
Sound pressure level at 3m (free field)	51	dB(A)
Sound pressure level at 4m (free field)	49	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

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

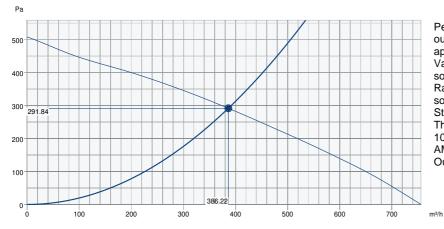
Dimensions and weights	
Duct dimension; Circular, inlet	200 mm
Weight	6.4 kg
Others	
Duct connection type	Circular

	Circular	
Color name, casing	Black	
Motor type	AC	

Systemair TFSK 200 Black

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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

Required air flow Required static pressure Working air flow Working static pressure Air density Power Fan control - RPM Current	
Working air flow Working static pressure Air density Power Fan control - RPM	386 m³/h
Working static pressure Air density Power Fan control - RPM	292 Pa
Air density Power Fan control - RPM	386 m³/h
Power Fan control - RPM	292 Pa
Fan control - RPM	1.204 kg/m ³
	98.9 W
Current	2,529 rpm
	0.42 A
SFP	0.922 kW/m ³ /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	57	65	62	64	60	60	53	70
Outlet	dB(A)	52	55	67	64	66	65	63	56	72

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 200 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

NOTE!

This product card is also used for TFSK 200 Grey & TFSK 200 Red.



A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, **offices**, **storages** and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Certifications



Ecodesign (ErP) compliant

Systemair TFSK 200 Black

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

Systemair TFSK 200 Black

Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	136	W
Input power kW	0.136	kW
Input current	0.574	А
Impeller speed	2,680	rpm
Air flow	max 826	m³/h
Capacitance of capacitor	3	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	43	dB(A)
Sound pressure level at 3m (free field)	53	dB(A)
Sound pressure level at 4m (free field)	51	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

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	200 mm
Weight	6.4 kg
Others	
Duct connection type	Circular

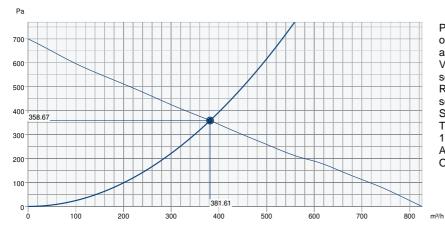
	Girculai	
Color name, casing	Black	
Motor type	AC	

Article name: TFSK 200 Black | Product link: https://shop.systemair.com/en/productPermalink?p=94236 | Item number: 1349 | Variant: 230V 1~ 60Hz | Document type: Product card | Created at: 31-01-25 | Generated by: Systemair Online Catalogue | Language: English

Systemair TFSK 200 Black

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	382 m³/h
Required static pressure	359 Pa
Working air flow	382 m³/h
Working static pressure	359 Pa
Air density	1.204 kg/m ³
Power	131.1 W
Fan control - RPM	2,717 rpm
Current	0.56 A
SFP	1.237 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)	59	60	67	63	66	62	62	54	72
Outlet	dB(A)	55	60	68	67	68	67	64	58	74

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 200 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

NOTE!

This product card is also used for TFSK 200 Grey & TFSK 200 Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, **offices**, **storages** and day **nurseries**.

Easy Maintenance

TFS fans deploy a '**swing out**' design and have integrated on/off **service switch** on top of the casing to allow **quick access** for inspection and servicing.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Systemair TFSK 315 M Black**

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	202	W
Input power kW	0.202	kW
Input current	0.872	А
Impeller speed	2,472	rpm
Air flow	max 1,174	m³/h
Capacitance of capacitor	5	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	43	dB(A)
Sound pressure level at 3m (free field)	53	dB(A)
Sound pressure level at 4m (free field)	51	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP

ErP ready Not ErP relevant

Dimensions and weights

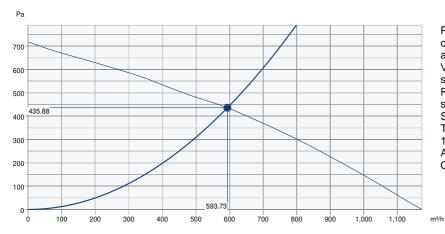
Duct dimension; Circular, inlet	315	mm
Weight	9.7	kg

Others		
Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Systemair TFSK 315 M Black**

Performance

Performance curve



Performance certified is for installation type C - Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	594 m³/h
Required static pressure	436 Pa
Working air flow	594 m³/h
Working static pressure	436 Pa
Air density	1.204 kg/m³
Power	194.0 W
Fan control - RPM	2,511 rpm
Current	0.84 A
SFP	1.176 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	59	65	64	63	62	57	52	71
Outlet	dB(A)	60	60	69	68	68	67	58	56	74

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 315 M** 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



TFS Roof Fans

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- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

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Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, **offices**, **storages** and day **nurseries**.

Easy Maintenance

TFS fans deploy a '**swing out**' design and have integrated on/off **service switch** on top of the casing to allow **quick access** for inspection and servicing.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Systemair TFSK 315 M Black**

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	270	W
Input power kW	0.27	kW
Input current	1.158	А
Impeller speed	2,505	rpm
Air flow	max 1,246	m³/h
Capacitance of capacitor	5	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	60	°C

Sound data		
Sound pressure level at 10m (free field)	45	dB(A)
Sound pressure level at 3m (free field)	55	dB(A)
Sound pressure level at 4m (free field)	53	dB(A)

Protection/Classification

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Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP

	ErP ready	Not ErP relevant
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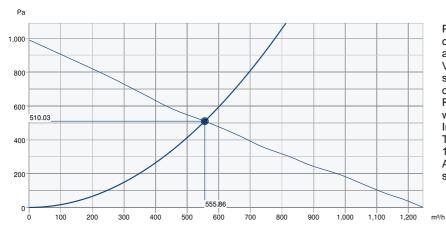
Dimensions and weights

Duct dimension; Circular, inlet	315	mm
Weight	9.7	kg

Others		
Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free outlet.

Ratings include the effects of duct end correction. The Aweighted 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	556 m³/h
Required static pressure	510 Pa
Working air flow	556 m³/h
Working static pressure	510 Pa
Air density	1.204 kg/m³
Power	257.5 W
Fan control - RPM	2,627 rpm
Current	1.10 A
SFP	1.668 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

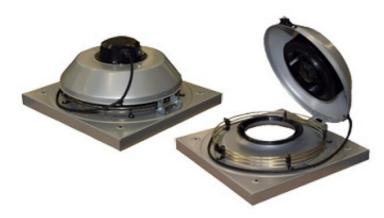
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	59	61	67	65	64	63	57	53	72
Outlet	dB(A)	62	62	70	69	69	69	59	56	76

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 315 M** 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



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- · Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, **offices**, **storages** and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Systemair TFSK 315 Sileo Grey

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	218	W
Input power kW	0.218	kW
Input current	0.934	А
Impeller speed	2,660	rpm
Air flow	max 1,236	m³/h
Capacitance of capacitor	5	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	45	dB(A)
Sound pressure level at 3m (free field)	55	dB(A)
Sound pressure level at 4m (free field)	53	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP

ErP ready	ErP 2018; ErP 2016

Dimensions and weights

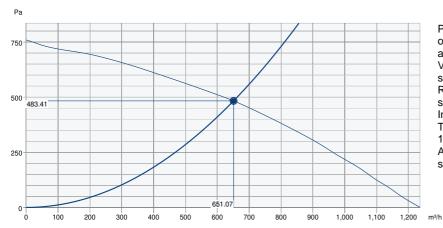
Duct dimension; Circular, inlet	315	mm
Weight	10.8	kg

Others		
Duct connection type	Circular	
Color name, casing	Grey	
Motor type	AC	

Systemair TFSK 315 Sileo Grey

Performance

Performance curve



Performance certified is for installation type C - Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	651 m³/h
Required static pressure	483 Pa
Working air flow	651 m³/h
Working static pressure	483 Pa
Air density	1.204 kg/m³
Power	210.3 W
Fan control - RPM	2,680 rpm
Current	0.90 A
SFP	1.163 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	58	67	65	64	63	57	51	72
Outlet	dB(A)	60	57	71	69	69	68	58	54	76

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 315 Sileo 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

NOTE!

This product card is also used for TFSK 315 Sileo Black & TFSK 315 Sileo Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- · Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, **offices**, **storages** and day **nurseries**.

The fan is housed in a galvanized steel powder-coated casing to

Highly Durable

provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Systemair TFSK 315 L Black**

Casing made of galvanised sheet steel

coated to grey, black and brick red colour.

The casing of TFS includes a 'swing out'

cover with integrated service switch to

simplify maintenance. To simplify the

wiring process on site, the fans are also equipped with an external terminal box

and for additional protection powder

Features

Construction

Impeller

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

Motor

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

Motor protection

(IP66) with a 1 m long cable.

Fans with **AC** motors have **integrated** thermal protection with manual (electrical) reset.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

Technical parameters

Nominal data	
Voltage (nominal) 230	V
Frequency 50	Hz
Phases 1~	
Input power 337	W
Input power kW 0.337	kW
Input current 1.417	А
Impeller speed 2,440	rpm
Air flow max 1,617	m³/h
Capacitance of capacitor 8	μF
Temperature of transported air max 40	°C
Max temperature of transported air, when speed controlled35	°C

Sound data		
Sound pressure level at 10m (free field)	49	dB(A)
Sound pressure level at 3m (20m ² Sabin)	77	dB(A)
Sound pressure level at 3m (free field)	59	dB(A)
Sound pressure level at 4m (free field)	57	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP

ErP ready	Not ErP relevant

Dimensions and weights

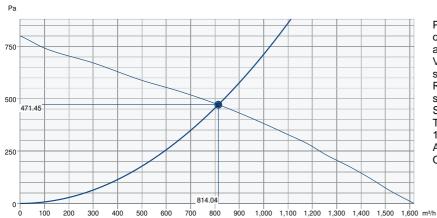
Duct dimension; Circular, inlet	315	mm
Weight	10.7	kg

Others		
Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Systemair TFSK 315 L Black**

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	814 m³/h
Required static pressure	471 Pa
Working air flow	814 m³/h
Working static pressure	471 Pa
Air density	1.204 kg/m³
Power	323.9 W
Fan control - RPM	2,470 rpm
Current	1.37 A
SFP	1.433 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	64	70	69	66	65	61	53	75
Outlet	dB(A)	63	64	75	74	74	72	64	57	80

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSK 315L** 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



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- · Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Systemair TFSR 125 M Black

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

Technical parameters

Nominal data	
Voltage (nominal) 230	V
Frequency 50	Hz
Phases 1~	
Input power 25	W
Input power kW 0.025	kW
Input current 0.133	А
Impeller speed 1,799	rpm
Air flow max 297	m³/h
Capacitance of capacitor 1.5	μF
Temperature of transported air max 70	°C
Max temperature of transported air, when speed controlled70	°C

Sound data		
Sound pressure level at 10m (free field)	33	dB(A)
Sound pressure level at 3m (free field)	43	dB(A)
Sound pressure level at 4m (free field)	41	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

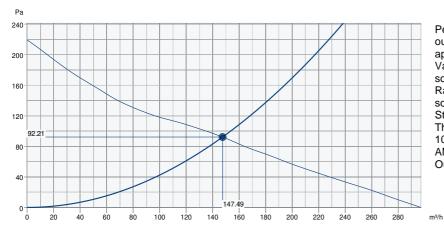
Energy class, Basic unit	E	
Energy class, Local demand	В	
ErP ready	ErP 2016; ErP 2018	

Dimensions and weights	
Duct dimension; Circular, inlet	125 mm
Weight	2.9 kg
Others	
	Circular

Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Systemair TFSR 125 M Black

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	147 m³/h
Required static pressure	92 Pa
Working air flow	147 m³/h
Working static pressure	92 Pa
Air density	1.204 kg/m ³
Power	24.9 W
Fan control - RPM	1,845 rpm
Current	0.13 A
SFP	0.608 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	49	61	53	53	49	36	23	63
Outlet	dB(A)	53	49	62	55	52	48	42	24	64

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 125 M 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

NOTE!

This product card is also used for TFSR 125 M Grey & TFSR 125 M Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- · Available with AC and EC motors for 50 and 60Hz
- Low noise level

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Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Systemair TFSR 125 M Black

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	31	W
Input power kW	0.031	kW
Input current	0.161	А
Impeller speed	1,898	rpm
Air flow	max 289	m³/h
Capacitance of capacitor	1.5	μF
Temperature of transported air	max 66	°C
Max temperature of transported air, when speed controlled	66	°C

Sound data		
Sound pressure level at 10m (free field)	31	dB(A)
Sound pressure level at 3m (free field)	41	dB(A)
Sound pressure level at 4m (free field)	39	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

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

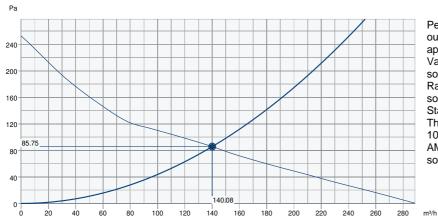
Dimensions and weights	
Duct dimension; Circular, inlet	125 mm
Weight	2.9 kg
Others	
Duct connection type	Circular

Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Article name: TFSR 125 M Black | Product link: https://shop.systemair.com/en/productPermalink?p=101662 | Item number: 1330 | Variant: 230V 1~ 60Hz | Document type: Product card | Created at: 31-01-25 | Generated by: Systemair Online Catalogue | Language: English Systemair TFSR 125 M Black

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	140 m³/h
Required static pressure	86 Pa
Working air flow	140 m³/h
Working static pressure	86 Pa
Air density	1.204 kg/m³
Power	31.6 W
Fan control - RPM	1,772 rpm
Current	0.16 A
SFP	0.811 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	48	59	52	52	47	34	23	61
Outlet	dB(A)	53	46	60	53	51	46	40	24	62

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

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NOTE!

This product card is also used for TFSR 125 M Grey & TFSR 125 M Red.



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- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

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Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day **nurseries**.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Systemair TFSR 125 XL Sileo Black

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

Systemair TFSR 125 XL Sileo Black

Technical parameters

Frequency 50 Phases 1~	V Hz W
Phases 1~	
	W
Input power 57 V	W
Input power kW 0.057	kW
Input current 0.276	А
Impeller speed 2,501 r	rpm
Air flow max 349 m	m³/h
Capacitance of capacitor 1.5	μF
Temperature of transported air max 46	°C
Max temperature of transported air, when speed controlled 46	°C

Sound data		
Sound pressure level at 10m (free field)	37	dB(A)
Sound pressure level at 3m (free field)	47	dB(A)
Sound pressure level at 4m (free field)	45	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP	
Energy class, Basic unit	E
Energy class, Local demand	В
ErP ready	ErP 2018; ErP 2016

Dimensions and weights		
Duct dimension; Circular, inlet	125	mm
Weight	3	kg
Others		
Duct connection type	Circular	
Color name, casing	Black	

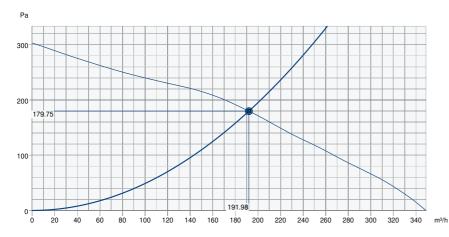
Motor type

AC

Systemair TFSR 125 XL Sileo Black

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free outlet.

Ratings include the effects of duct end correction. The Aweighted 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	192 m³/h
Required static pressure	180 Pa
Working air flow	192 m³/h
Working static pressure	180 Pa
Air density	1.204 kg/m³
Power	56.2 W
Fan control - RPM	2,516 rpm
Current	0.27 A
SFP	1.054 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	53	63	58	60	56	55	49	67
Outlet	dB(A)	50	57	61	63	61	58	59	52	68

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 125 XL Sileo 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

NOTE!

This product card is also used for TFSR 125 XL Grey & TFSR 125 XL Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day nurseries.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Systemair TFSR 125 XL Sileo Black

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

systemair TFSR 125 XL Sileo Black

Technical parameters

Nominal data	
Voltage (nominal) 230	V
Frequency 60	Hz
Phases 1~	
Input power 59	W
Input power kW 0.059	kW
Input current 0.257	А
Impeller speed 2,876	rpm
Air flow max 409	m³/h
Capacitance of capacitor 1.5	μF
Temperature of transported air max 70	°C
Max temperature of transported air, when speed controlled 70	°C

Sound data		
Sound pressure level at 10m (free field)	46	dB(A)
Sound pressure level at 3m (free field)	56	dB(A)
Sound pressure level at 4m (free field)	54	dB(A)

Protection/Classification

Motor type

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP	
Energy class. Basic unit	

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

Dimensions and weights		
Duct dimension; Circular, inlet	125	mm
Weight	3	kg
Others		
Duct connection type	Circular	
Color name, casing	Black	

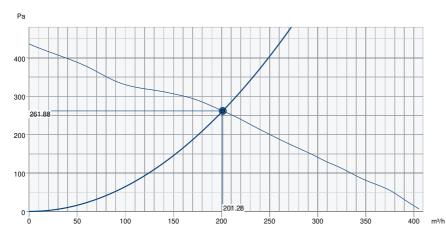
Article name: TFSR 125 XL Sileo Black | Product link: https://shop.systemair.com/en/productPermalink?p=391333 | Item number: 75086 | Variant: 230V 1~ 60Hz | Document type: Product card | Created at: 22-01-25 | Generated by: Systemair Online Catalogue | Language: English

AC

Systemair TFSR 125 XL Sileo Black

Performance

Performance curve



Performance certified is for installation type C - Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free outlet.

Ratings include the effects of duct end correction. The Aweighted 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	201 m³/h
Required static pressure	262 Pa
Working air flow	201 m ³ /h
Working static pressure	262 Pa
Air density	1.204 kg/m ³
Power	57.3 W
Fan control - RPM	2,925 rpm
Current	0.25 A
SFP	1.024 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)	60	62	70	69	69	68	63	63	76
Outlet	dB(A)	69	65	65	70	71	68	68	66	78

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 125 XL Sileo 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

NOTE! This product card is also used for TFSR 125 XL Grey & TFSR 125 XL Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day nurseries.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Systemair TFSR 160 Sileo Black

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Systemair TFSR 160 Sileo Black

Technical parameters

Voltage (nominal) 230	V
Frequency 50	Hz
Phases 1~	
Input power 51	W
Input power kW 0.051	kW
Input current 0.222	А
Impeller speed 2,377	rpm
Air flow max 417	m³/h
Capacitance of capacitor 1.5	μF
Temperature of transported air max 70	°C
Max temperature of transported air, when speed controlled 70	°C

Sound data		
Sound pressure level at 10m (free field)	36	dB(A)
Sound pressure level at 3m (free field)	46	dB(A)
Sound pressure level at 4m (free field)	44	dB(A)

Protection/Classification

Motor type

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP	
Energy class, Basic unit	E
Energy class, Local demand	В
ErP ready	ErP 2018; ErP 2016

Dimensions and weights		
Duct dimension; Circular, inlet	160	mm
Weight	4.1	kg
Others		
Duct connection type	Circular	
Color name, casing	Black	

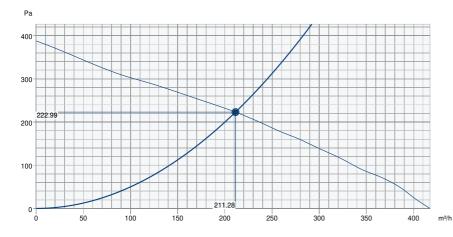
Article name: TFSR 160 Sileo Black | Product link: https://shop.systemair.com/en/productPermalink?p=391326 | Item number: 92013 | Variant: 230V 1~ 50Hz | Document type: Product card | Created at: 22-01-25 | Generated by: Systemair Online Catalogue | Language: English

AC

systemair TFSR 160 Sileo Black

Performance

Performance curve



Performance certified is for installation type C - Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free outlet.

Ratings include the effects of duct end correction. The Aweighted 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	211 m³/h
Required static pressure	223 Pa
Working air flow	211 m³/h
Working static pressure	223 Pa
Air density	1.204 kg/m³
Power	50.4 W
Fan control - RPM	2,405 rpm
Current	0.22 A
SFP	0.859 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	50	57	58	60	57	53	47	65
Outlet	dB(A)	47	48	61	59	60	60	57	52	67

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 160 Sileo 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

NOTE!

This product card is also used for TFSR 160 Sileo Grey & TFSR 160 Sileo Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day nurseries.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Systemair TFSR 160 Sileo Black

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

systemair TFSR 160 Sileo Black

Technical parameters

Nominal data	
Voltage (nominal) 230	V
Frequency 60	Hz
Phases 1~	
Input power 64	W
Input power kW 0.064	kW
Input current 0.276	A
Impeller speed 2,539	rpm
Air flow max 448	m³/h
Capacitance of capacitor 1.5	μF
Temperature of transported air max 70	°C
Max temperature of transported air, when speed controlled 70	°C

Sound data		
Sound pressure level at 10m (free field)	38	dB(A)
Sound pressure level at 3m (free field)	48	dB(A)
Sound pressure level at 4m (free field)	46	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP	
Energy class, Basic unit	E
Energy class, Local demand	В
ErP ready	ErP 2018; ErP 2016

Dimensions and weights		
Duct dimension; Circular, inlet	160	mm
Weight	4.1	kg
Others		
Duct connection type	Circular	
Color name, casing	Black	

Motor type

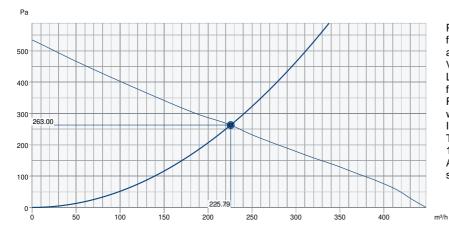
Article name: TFSR 160 Sileo Black | Product link: https://shop.systemair.com/en/productPermalink?p=391327 | Item number: 92013 | Variant: 230V 1~ 60Hz | Document type: Product card | Created at: 22-01-25 | Generated by: Systemair Online Catalogue | Language: English

AC

systemair TFSR 160 Sileo Black

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free outlet.

Ratings include the effects of duct end correction. The Aweighted 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	226 m³/h
Required static pressure	263 Pa
Working air flow	226 m³/h
Working static pressure	263 Pa
Air density	1.204 kg/m ³
Power	62.5 W
Fan control - RPM	2,598 rpm
Current	0.27 A
SFP	0.997 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	52	59	61	61	59	55	50	67
Outlet	dB(A)	50	51	62	61	62	62	59	55	69

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 160 Sileo 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

NOTE!

This product card is also used for TFSR 160 Sileo Grey & TFSR 160 Sileo Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- · Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	101	W
Input power kW	0.101	kW
Input current	0.435	А
Impeller speed	2,501	rpm
Air flow	max 756	m³/h
Capacitance of capacitor	3	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	41	dB(A)
Sound pressure level at 3m (free field)	51	dB(A)
Sound pressure level at 4m (free field)	49	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

Color name, casing

Motor type

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

Dimensions and weights		
Duct dimension; Circular, inlet	200	mm
Weight	5.8	kg
Others		
Duct connection type	Circular	

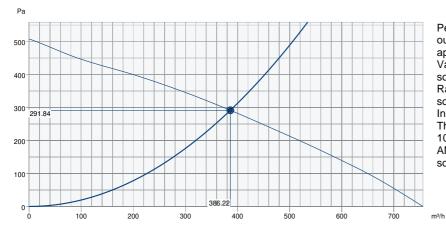
Article name: TFSR 200 Black Product link: https://shop.systemair.com/en/productPermalink?p=98957 Item number: 1334 Variant: 230V 1~50Hz Document type: Product
card Created at: 28-01-25 Generated by: Systemair Online Catalogue Language: English

Black

AC

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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

Required static pressure292 PWorking air flow386 m³/Working static pressure292 PAir density1.204 kg/mPower98.9 VFan control - RPM2,529 rpCurrent0.422SFP0.922 kW/m³/Control voltage230.0	Hydraulic data	
Working air flow386 m³/Working static pressure292 PAir density1.204 kg/mPower98.9 VFan control - RPM2,529 rpmCurrent0.42 ASFP0.922 kW/m³/Control voltage230.0 V	Required air flow	386 m³/h
Working static pressure292 PAir density1.204 kg/mPower98.9 VFan control - RPM2,529 rpmCurrent0.42 ASFP0.922 kW/m³/Control voltage230.0 V	Required static pressure	292 Pa
Air density1.204 kg/mPower98.9 VFan control - RPM2,529 rpmCurrent0.42 xSFP0.922 kW/m³/Control voltage230.0 x	Working air flow	386 m³/h
Power 98.9 V Fan control - RPM 2,529 rpr Current 0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42	Working static pressure	292 Pa
Fan control - RPM2,529 rprCurrent0.42 dSFP0.922 kW/m³/Control voltage230.0 d	Air density	1.204 kg/m³
Current 0.42 Å SFP 0.922 kW/m³/ Control voltage 230.0	Power	98.9 W
SFP 0.922 kW/m³/ Control voltage 230.0 1	Fan control - RPM	2,529 rpm
Control voltage 230.0	Current	0.42 A
	SFP	0.922 kW/m³/s
Supply voltage 230	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	57	65	62	64	60	60	53	70
Outlet	dB(A)	52	55	67	64	66	65	63	56	72

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 200 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

NOTE!

This product card is also used for TFSR 200 Grey & TFSR 200 Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- · Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Voltage (nominal)230VFrequency60HzPhases1~Input power136WInput power kW0.136kWInput current0.574AImpeller speed2,680rpmAir flowmax 826m%hCapacitance of capacitor3µFTemperature of transported air. when speed controlled70°C	Nominal data		
Phases1~Input power136WInput power kW0.136kWInput current0.574AImpeller speed2,680rpmAir flowmax 826m³/hCapacitance of capacitor3µFTemperature of transported airmax 70°C	Voltage (nominal)	230	V
Input power kW 0.136 kW 1nput current 0.574 A 1mpeller speed 2,680 max 826 m³/h Capacitance of capacitor 1mx 70 c. 1mpeller speed 0.574 max 70 ma	Frequency	60	Hz
Input power kW 0.136 kW Input current 0.574 A Impeller speed 2,680 rpm Air flow max 826 m³/h Capacitance of capacitor 3 µF Temperature of transported air max 70 °C	Phases	1~	
Input current 0.574 A Impeller speed 2,680 rpm Air flow max 826 m³/h Capacitance of capacitor 3 μF Temperature of transported air max 70 °C	Input power	136	W
Impeller speed 2,680 rpm Air flow max 826 m³/h Capacitance of capacitor 3 µF Temperature of transported air max 70 °C	Input power kW	0.136	kW
Air flowmax 826m³/hCapacitance of capacitor3μFTemperature of transported airmax 70°C	Input current	0.574	А
Capacitance of capacitor3μFTemperature of transported airmax 70°C	Impeller speed	2,680	rpm
Temperature of transported air max 70 °C	Air flow	max 826	m³/h
	Capacitance of capacitor	3	μF
Max temperature of transported air, when speed controlled 70 °C	Temperature of transported air	max 70	°C
	Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	43	dB(A)
Sound pressure level at 3m (free field)	53	dB(A)
Sound pressure level at 4m (free field)	51	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	В	

Data according to ErP

Color name, casing

Motor type

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

Dimensions and weights		
Duct dimension; Circular, inlet	200	mm
Weight	5.8	kg
Others		
Duct connection type	Circular	

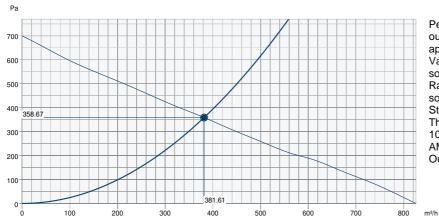
Article name: TFSR 200 Black | Product link: https://shop.systemair.com/en/productPermalink?p=104021 | Item number: 1334 | Variant: 230V 1~ 60Hz | Document type: Product card | Created at: 28-01-25 | Generated by: Systemair Online Catalogue | Language: English

Black

AC

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of apputtenances (accessories)

appurtenances (accessories). Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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

Required air flow Required static pressure Working air flow Working static pressure Air density Power Fan control - RPM	382 m³/h 359 Pa 382 m³/h
Working air flow Working static pressure Air density Power	
Working static pressure Air density Power	382 m³/h
Air density Power	
Power	359 Pa
	1.204 kg/m ³
Fan control - RPM	131.1 W
	2,717 rpm
Current	0.56 A
SFP	1.237 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)	59	60	67	63	66	62	62	54	72
Outlet	dB(A)	55	60	68	67	68	67	64	58	74

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 200 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

NOTE!

This product card is also used for TFSR 200 Grey & TFSR 200 Red.



TFS Roof Fans

A compact, quiet and reliable exhaust fan for domestic and commercial areas

- Compact extract air fan, ideal for storage areas, offices, residential houses etc.
- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day nurseries.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	202	W
Input power kW	0.202	kW
Input current	0.872	А
Impeller speed	2,472	rpm
Air flow	max 1,174	m³/h
Capacitance of capacitor	5	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	43	dB(A)
Sound pressure level at 3m (free field)	53	dB(A)
Sound pressure level at 4m (free field)	51	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP

ErP ready	Not ErP relevant

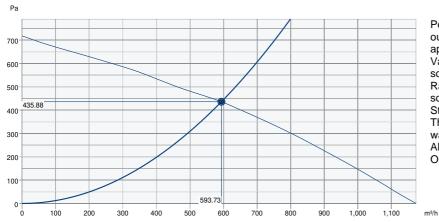
Dimensions and weights

Duct dimension; Circular, inlet	315	mm
Weight	8	kg

OthersDuct connection typeColor name, casingMotor typeAC

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	594 m³/h
Required static pressure	436 Pa
Working air flow	594 m³/h
Working static pressure	436 Pa
Air density	1.204 kg/m³
Power	194.0 W
Fan control - RPM	2,511 rpm
Current	0.84 A
SFP	1.176 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	59	65	64	63	62	57	52	71
Outlet	dB(A)	60	60	69	68	68	67	58	56	74

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 315 M** 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



TFS Roof Fans

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- Durable and easy maintanance
- Available with AC and EC motors for 50 and 60Hz
- Low noise level

Find more details in our online catalogue

Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day **nurseries**.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	60	Hz
Phases	1~	
Input power	270	W
Input power kW	0.27	kW
Input current	1.158	А
Impeller speed	2,505	rpm
Air flow	max 1,246	m³/h
Capacitance of capacitor	5	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	60	°C

Sound data		
Sound pressure level at 10m (free field)	45	dB(A)
Sound pressure level at 3m (free field)	55	dB(A)
Sound pressure level at 4m (free field)	53	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP

ErP ready Not ErP relevant

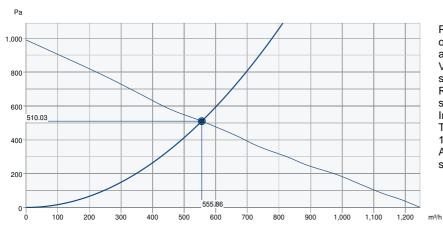
Dimensions and weights

Duct dimension; Circular, inlet	315	mm
Weight	8	kg

OthersDuct connection typeColor name, casingMotor typeAC

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	556 m³/h
Required static pressure	510 Pa
Working air flow	556 m³/h
Working static pressure	510 Pa
Air density	1.204 kg/m³
Power	257.5 W
Fan control - RPM	2,627 rpm
Current	1.10 A
SFP	1.668 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)	59	61	67	65	64	63	57	53	72
Outlet	dB(A)	62	62	70	69	69	69	59	56	76

Certifications



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Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, **offices**, **storages** and day **nurseries**.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

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).

Systemair TFSR 315 Sileo Black

Features

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	218	W
Input power kW	0.218	kW
Input current	0.934	А
Impeller speed	2,660	rpm
Air flow	max 1,236	m³/h
Capacitance of capacitor	5	μF
Temperature of transported air	max 70	°C
Max temperature of transported air, when speed controlled	70	°C

Sound data		
Sound pressure level at 10m (free field)	45	dB(A)
Sound pressure level at 3m (free field)	55	dB(A)
Sound pressure level at 4m (free field)	53	dB(A)

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	F	

Data according to ErP

ErP ready	ErP 2018; ErP 2016

Dimensions and weights

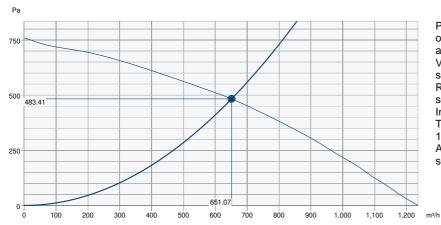
Duct dimension; Circular, inlet	315	mm
Weight	9.1	kg

Others		
Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Systemair TFSR 315 Sileo Black

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	651 m³/h
Required static pressure	483 Pa
Working air flow	651 m³/h
Working static pressure	483 Pa
Air density	1.204 kg/m³
Power	210.3 W
Fan control - RPM	2,680 rpm
Current	0.90 A
SFP	1.163 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	58	67	65	64	63	57	51	72
Outlet	dB(A)	60	57	71	69	69	68	58	54	76

Certifications



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NOTE!

This product card is also used for TFSR 315 Sileo Grey & TFSR 315 Sileo Red.



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- Durable and easy maintanance
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- Low noise level

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Applicability

The TFS fans are designed as very compact solution to fit roof exhaust extensions and provide a **quick** and straightforward **installation**. Fans are available in black, grey and brick red color and can be used in a variety of **commercial** and **domestic** applications, e.g. single and multiple **dwellings**, offices, storages and day **nurseries**.

Highly Durable

The fan is housed in a galvanized steel powder-coated casing to provide required protection for demanding outdoor use. The combination of high-reliable **motor** and **long-life** ball bearings, allows long **continuous operation** of the fan.

Easy Maintenance

TFS fans deploy a 'swing out' design and have integrated on/off service switch on top of the casing to allow quick access for inspection and servicing.

Quiet solution

Noise optimized impeller makes the TFS fans a very quite solution. Further sound decrease obtained by using sound and thermal insulated **roof curb** (recommended accessory).

Systemair TFSR 315L Black**

Construction

Casing made of **galvanised sheet steel** and for additional protection **powder coated** to grey, black and brick red colour. The casing of **TFS** includes a '**swing out**' cover with integrated service switch to simplify maintenance. To simplify the wiring process on site, the fans are also equipped with an external terminal box (**IP66**) with a 1 m long cable.

Impeller

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

Motor

Depending on type, **TFS** 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.

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

Control

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

Fans with **AC motor** can be controlled by **5-step** or **stepless** speed regulator (accessory).

For **demand controlled** ventilation it can be combined with timer, thermostat, hygrostat, etc.

Mounting

The TFS must be installed on the roof in horizontal or inclined position. We recommend to install the fan together with a roof curb (available as an accessory). TFSR delivered with **spigot** for the cases of direct connection to the circular duct. For cold climates we recommend continuous operation of the fan.

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Input power	337	W
Input power kW	0.337	kW
Input current	1.417	А
Impeller speed	2,440	rpm
Air flow	max 1,617	m³/h
Capacitance of capacitor	8	μF
Temperature of transported air	max 40	°C
Max temperature of transported air, when speed controlled	35	°C

Sound data		
Sound pressure level at 10m (free field)	49	dB(A)
Sound pressure level at 3m (free field)	59	dB(A)
Sound pressure level at 4m (free field)	57	dB(A)

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

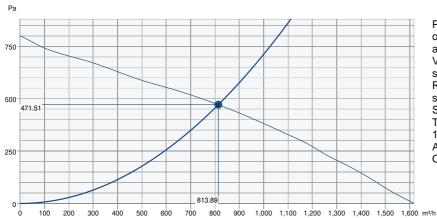
Duct dimension; Circular, inlet	315	mm
Weight	9.1	kg

OthersDuct connection typeColor name, casingMotor typeAC

Systemair TFSR 315L Black**

Performance

Performance curve



Performance certified is for installation type C – Ducted inlet, free outlet. Performance ratings do not include the effects of appurtenances (accessories).

appurtenances (accessories). Values shown are for inlet Lwi and LwiA and oulet Lwo and LwoA sound power levels for installation type C: ducted inlet, free 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	814 m³/h
Required static pressure	472 Pa
Working air flow	814 m³/h
Working static pressure	472 Pa
Air density	1.204 kg/m³
Power	323.9 W
Fan control - RPM	2,470 rpm
Current	1.37 A
SFP	1.433 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	64	70	69	66	65	61	53	75
Outlet	dB(A)	63	64	75	74	74	72	64	57	80

Certifications



AMCA Worldwide Certified Ratings: Sound and Air Performance

Systemair Production AB certifies that the model TFSR 315L Black** is licensed to b

ear 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