



FPF series Filter Fans

Edition ■ 2025/1

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Italian Company



Clean cooling air

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virdis
filter fans

Most of our products are available
in the industrial engineering software:



Air flow management

Increasingly often, the causes behind malfunctions or faults in electrical and electronic equipment housed in control panels or fitted as an integral part of a machine, are due to heat problems. In reality, the life span of components depends on the temperature and level of humidity inside the electrical cabinet. The normal recommended average operating temperature inside a cabinet is 35°C with relative humidity of no more than 60%.

Fandis offers a wide range of solutions for efficiently disposing of dissipated heat from electrical components suitable for different applications.



NATURAL CONVECTION

The use of exhaust filter ensures the passage of air and the removal of heat in a natural manner. This solution can be considered for dissipating low level of heat in dusty environments.



FORCED CONVECTION

Forced ventilation is an inexpensive and efficient solution for preventing the formation of air pockets inside electrical cabinets. The best configuration includes fitting a filter fan to an exhaust filter.

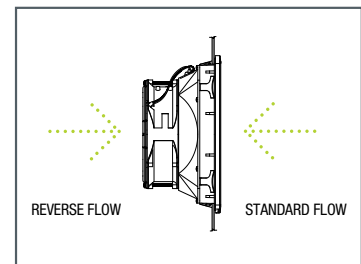
The filter fan positioned at the bottom of the cabinet, conveys filtered cold air from outside (**standard air flow**) while the exhaust filter at the top expels hot air.

The pressure generated inside the enclosure by the ventilation prevents unfiltered air from entering through holes or openings.



An inverted air flow version (**reverse flow**) is also available; filter fan at top and exhaust filter at bottom.

The system can be controlled by a thermostat that turns the fan on when high temperatures are detected.



Hot air can also be expelled from the roof of the cabinet if, for instance, the sides of the cabinet are covered by obstacles, walls or by the sides of other cabinets. In a perfect configuration, an exhaust filter is positioned at the bottom of the cabinet. The lower pressure generated by the roof unit draws in cold air from outside through the exhaust filter to enhance internal air flow and the dissipation of heat.



The use of a swivelling fan is an alternative solution for a better air circulation inside the electrical cabinet. This fan distributes heat to reduce the temperature, cools local hot spots and disperses cold air emitted by cooling units.

EMC shielding



Electromagnetic compatibility, or EMC, relates to the unintentional generation or reception of electromagnetic energy that may lead to electromagnetic interference with a component or item of equipment. By incorporating EMC into electrical component design, electronics engineers can ensure the long-term stability and lifespan of multiple electrical components operating within a given space.

The EMC shielding of an enclosure guarantees both limited radiated emissions and protects internal components from external sources of interference.

Fandis EMC filters and filter fans are designed to prevent the weakening of the shielding effect in enclosures with a high level of protection, even with cutouts, and to maintain this status.

How to read the icons

PROTECTION RATINGS



PROTECTION
DEGREE



PROTECTION
DEGREE



UL
PROTECTION DEGREE



FILTRATION CLASS



FILTRATION CLASS

MOUNTING FEATURES



SIDE MOUNTING



FAST MOUNTING

PRODUCT FEATURES



ELECTROMAGNETIC
COMPATIBILITY

FILTERS FANS

Filter fans are a practical solution for removing heat from the cabinet. They channel filtered ambient air into the enclosure, expelling warm internal air through an exhaust filter or roof unit to reduce temperatures and protect electronic components from overheating.

■ FPF SERIES

FPF filter fans are a series of Fandis filtering solutions for enclosures. These units have a low external profile to avoid obstruction and are easy to mount on standard panel cutouts with a fast snap-on assembly. An integrated sealing gasket also provides secure dust and water protection.



QUICK INSTALLATION
Snap-mounting system with elastic hooks



EMC-COMPATIBLE
Metal shielding for electromagnetic protection

IP55 PROTECTION (OPTIONAL)
Ideal for harsh ambient condition in industrial applications

Model numbering system for FPF SERIES

description	FPF	15K	P	R	230	BE	(R)	-110	description
FAMILY FPF									SERIES 100... = standard S** = custom
DIMENSION CODE Standard version 08K 12K 13K 15K 20K									OPTIONS () = Type 12 and IP54 protected 5 = IP55 protected R = Reverse flow Type 12 O = Type 1 protected C = EMC shielded
FAN SIZE P = small () = standard M = medium G = large									VERSION B BE
COLOUR R = grey RAL 7032 U = grey RAL 7035 N = black RAL 9005									VOLTAGE G = no voltage 400T = 400 3~ 24 = 24 Va.c. D12 = 12 Vd.c. 115 = 115 Va.c. D24 = 24 Vd.c. 230 = 230 Va.c. D48 = 48 Vd.c.



General specifications

- Mounting without screws in square openings as indicated in the cut-out diagram
- Plate thickness between 1.5 and 2.2mm
- Plastic parts in PC/ABS alloy
- Permanent sealing gasket in polyurethane foam
- Filter media in thermo-linked progressive structure synthetic fibre
 - filter class G3 (optionally filter class G4), according to EN 779
- Filter media can be cleaned, up to 10 times by washing, blowing dry and lightly beating
- IP55, Type1 and EMC versions on request
- UL approval according to UL 508

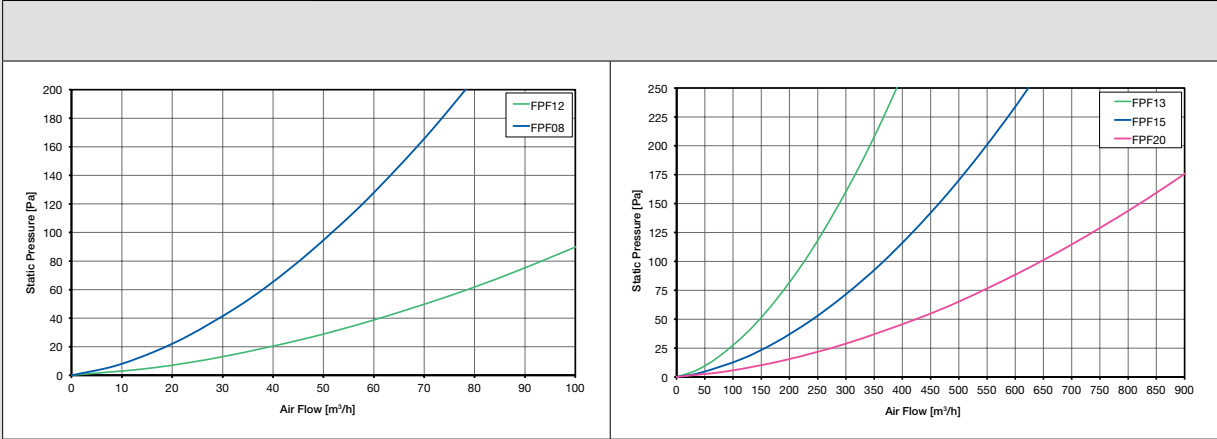
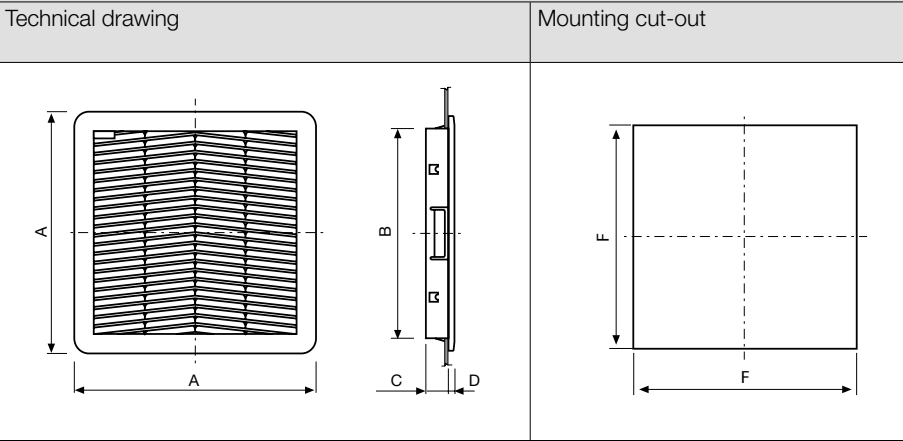


- Clip mounting system
- Low profile

Technical data

Model	A	B	C	D	E	F	G	Weight	Approvals
	mm	mm	mm	mm	mm	mm	mm	Kg	
FPF08KUG-101	105	91	14	7	95	91.5	1.8	0.09	CE; cURus;
FPF12KUG-100	150	124	21	7	131	125	4.5	0.22	CE; cURus;
FPF13KUG-100	204	175	20	8	185	177	4.5	0.33	CE; cURus;
FPF15KUG-100	250	220	23	8	230	223	4.5	0.57	CE; cURus;
FPF20KUG-100	325	288	24	9	302	291	4.5	0.94	CE; cURus;

Technical specifications





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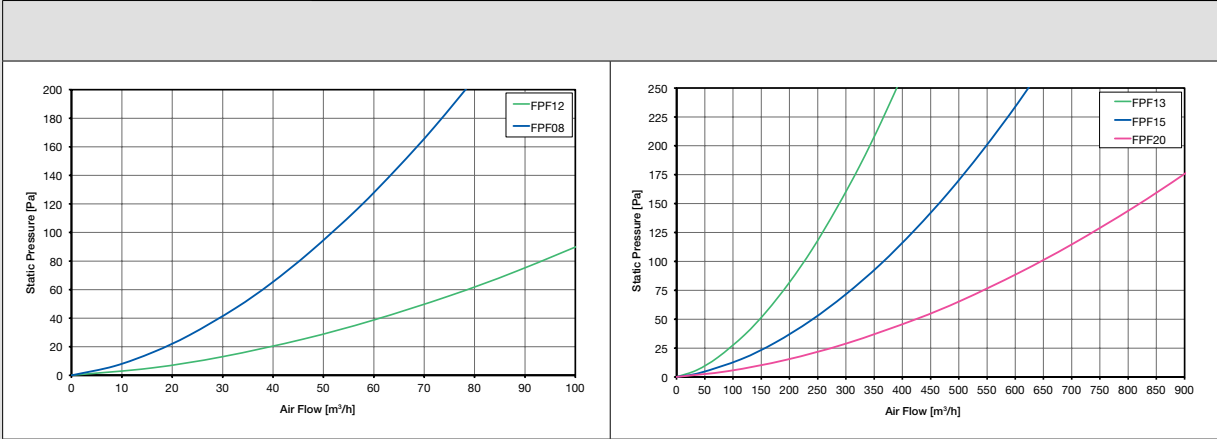
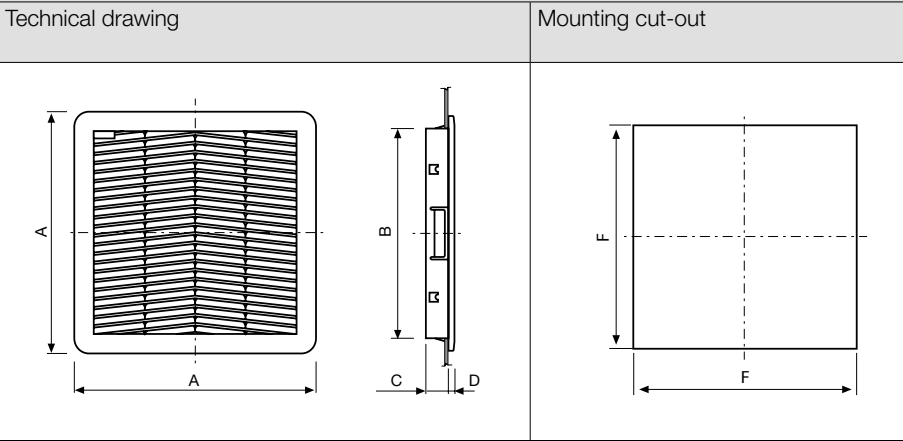


- ▶ Electromagnetic radiation protection
- ▶ Clip mounting system
- ▶ Low profile

Technical data

Model	A	B	C	D	E	F	G	Weight	Approvals
	mm	mm	mm	mm	mm	mm	mm	Kg	
FPF12KUGC-110	150	124	21	7	131	125	4.5	0.24	CE;
FPF13KUGC-110	204	175	20	8	185	177	4.5	0.34	CE;
FPF15KRGC-110	250	220	23	8	230	223	4.5	0.61	CE;
FPF15KUGC-110	250	220	23	8	230	223	4.5	0.61	CE;
FPF20KRGC-110	325	288	24	9	302	291	4.5	1	CE;
FPF20KUGC-110	325	288	24	9	302	291	4.5	0.98	CE;

Technical specifications





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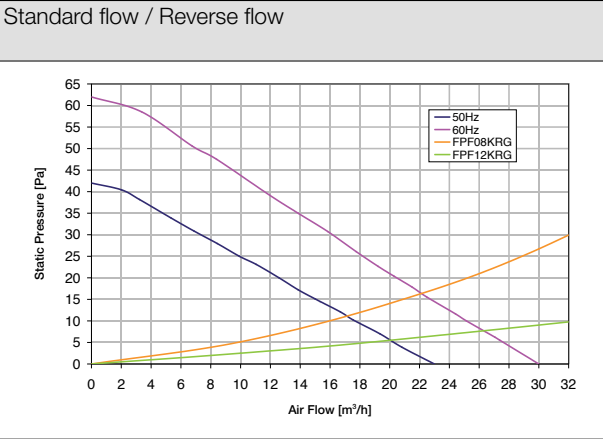
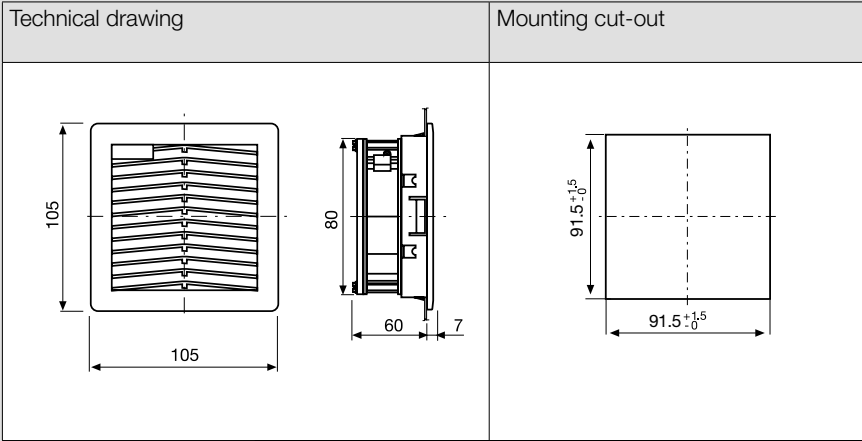


- Clip mounting system
- Low profile

Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF08KU115B-110	115 V a.c.	50/60	0.115/0.092	9.0/7.0	23/30	42/62	33.0/38.0	0.49	-10 ÷ +50	CE; cURus;
FPF08KU115BR-110	115 V a.c.	50/60	0.115/0.092	9.0/7.0	23/30	42/62	33.0/38.0	0.49	-10 ÷ +50	CE; cURus;
FPF08KU230B-110	230 V a.c.	50/60	0.07/0.055	10/8.0	23/30	42/62	33.0/38.0	0.45	-10 ÷ +50	CE; cURus;
FPF08KU230BR-110	230 V a.c.	50/60	0.07/0.055	10/8.0	23/30	42/62	32.0/36.0	0.45	-10 ÷ +50	CE; cURus;

Technical specifications





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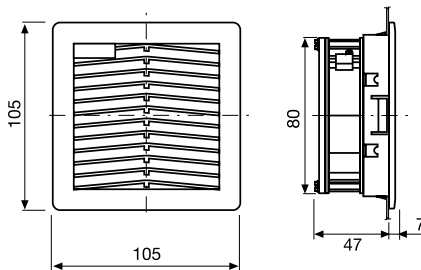
- Clip mounting system
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Technical data

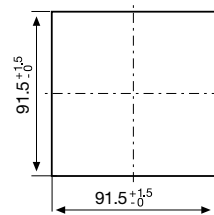
Model	Rated Voltage	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp.Range	Approvals
	V	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF08KUD12B-110	12 V d.c.	0.183	2.2	15	24	32.5	0.23	-10 ÷ +70	CE;
FPF08KUD24B-110	24 V d.c.	0.150	3.6	15	24	32.5	0.23	-10 ÷ +50	CE; cURus;
FPF08KUD24BR-110	24 V d.c.	0.150	3.6	20	35	32.5	0.23	-10 ÷ +50	CE; cURus;

Technical specifications

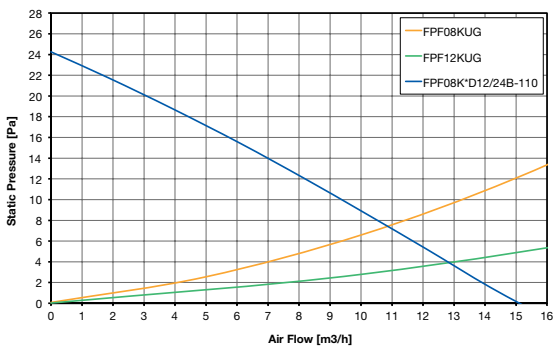
Technical drawing



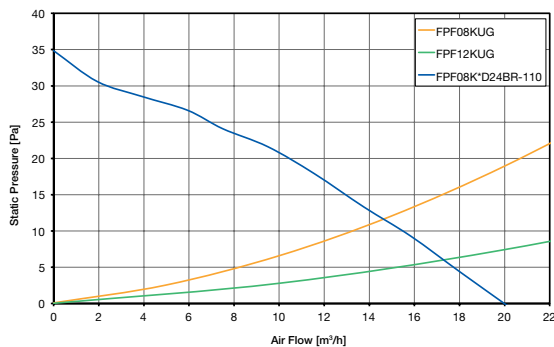
Mounting cut-out



Standard flow



Reverse flow





General specifications

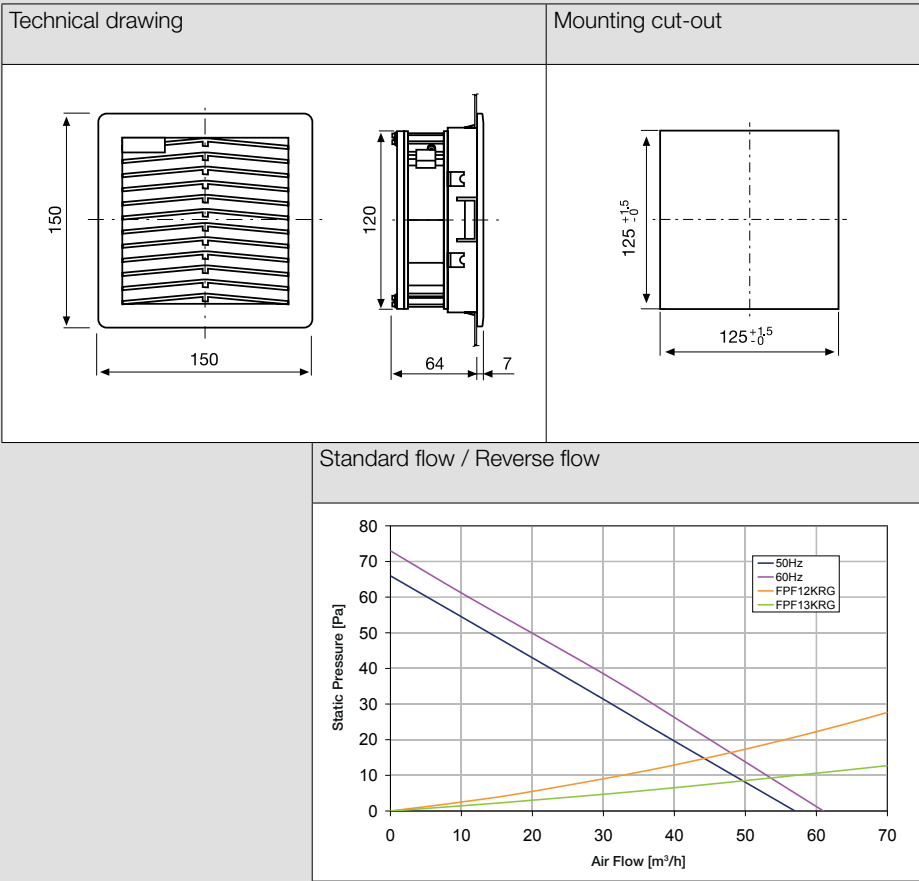
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- ▶ Clip mounting system
- ▶ Low profile

Technical data										
Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF12KU115BE-110	115 V a.c.	50/60	0.210/0.180	20/18	57/61	66/73	46.0/49.0	0.78	-10 ÷ +50	CE; cURus;
FPF12KU115BER-110	115 V a.c.	50/60	0.210/0.180	20/18	57/61	66/73	46.0/49.0	0.79	-10 ÷ +50	CE; cURus;
FPF12KU230BE-110	230 V a.c.	50/60	0.125/0.110	20/19	57/61	66/73	46.0/49.0	0.78	-10 ÷ +50	CE; cURus;
FPF12KU230BER-110	230 V a.c.	50/60	0.125/0.110	20/19	57/61	66/73	46.0/49.0	0.78	-10 ÷ +50	CE; cURus;
FPF12KR24BE-110	24 V a.c.	50/60	0.810/0.850	15/16	57/61	66/73	46.0/49.0	0.78	-10 ÷ +50	CE;
FPF12KU24BER-110	24 V a.c.	50/60	0.810/0.850	15/16	57/61	66/73	46.0/49.0	0.78	-10 ÷ +50	CE;

Technical specifications





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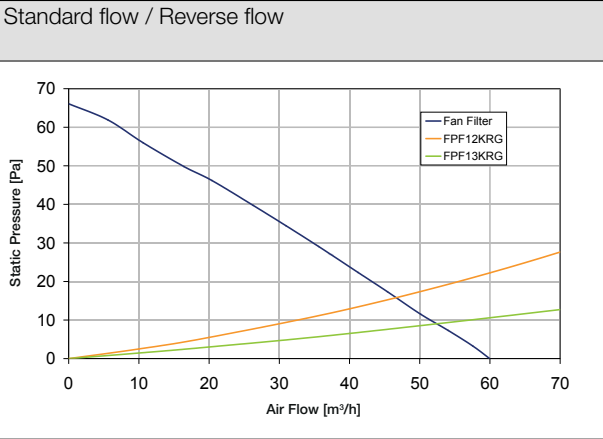
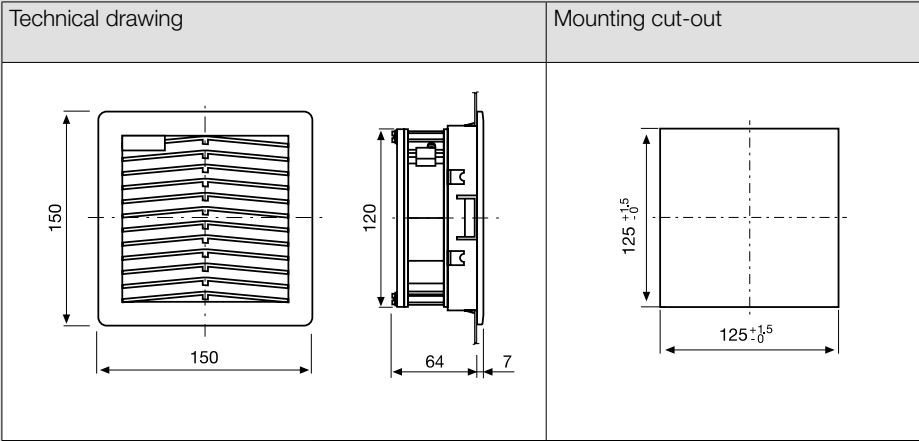


- Clip mounting system
- Low profile

Technical data

Model	Rated Voltage	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF12KUD24B-110	24 V d.c.	0.400	9.6	60	66	42.5	0.55	-10 ÷ +50	CE; cURus;
FPF12KUD24BR-110	24 V d.c.	0.400	9.6	60	66	42.5	0.55	-10 ÷ +50	CE; cURus;
FPF12KUD48B-110	48 V d.c.	0.160	7.7	60	66	42.5	0.55	-10 ÷ +55	CE;

Technical specifications





General specifications

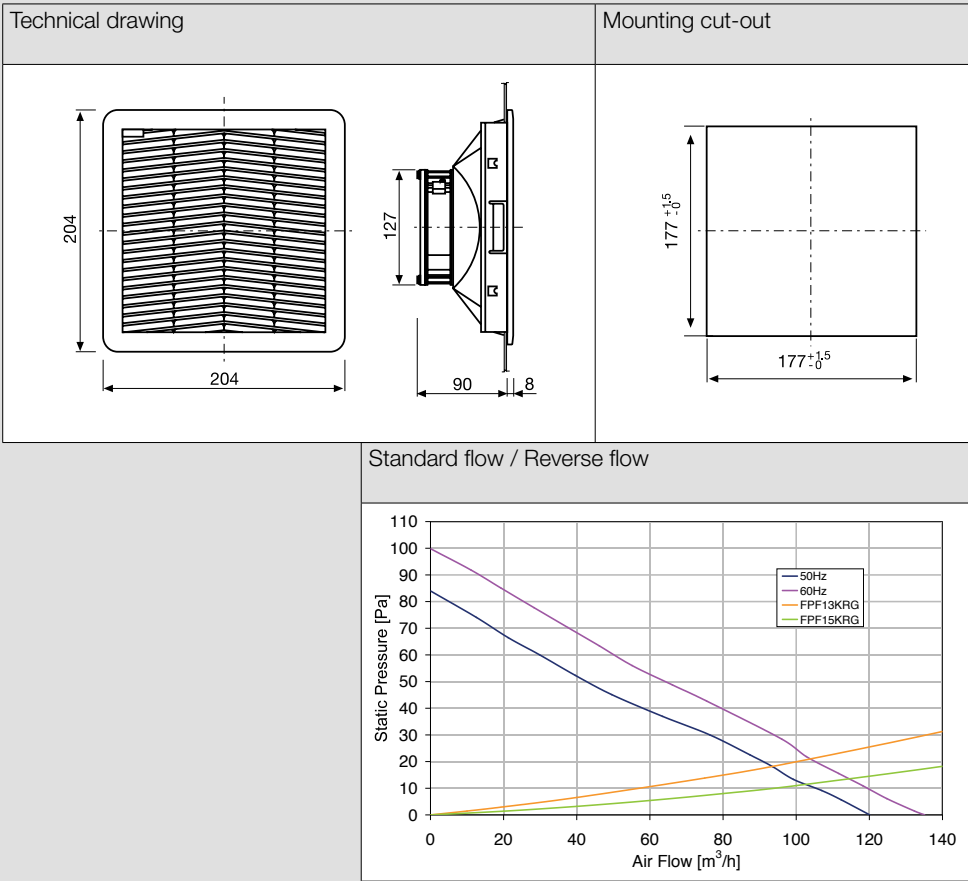
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- Clip mounting system
- Low profile

Technical data										
Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF13KU115BE-110	115 V a.c.	50/60	0.200/0.160	22/20	120/135	84/100	46.0/50.0	1.11	-10 ÷ +50	CE; cURus;
FPF13KU115BER-110	115 V a.c.	50/60	0.200/0.160	22/20	120/135	84/100	46.0/50.0	1.11	-10 ÷ +50	CE; cURus;
FPF13KU230BE-110	230 V a.c.	50/60	0.100/0.090	23/21	120/135	84/100	46.0/50.0	1.09	-10 ÷ +50	CE; cURus;
FPF13KU230BER-110	230 V a.c.	50/60	0.100/0.090	23/21	120/135	84/100	46.0/50.0	1.09	-10 ÷ +50	CE; cURus;

Technical specifications





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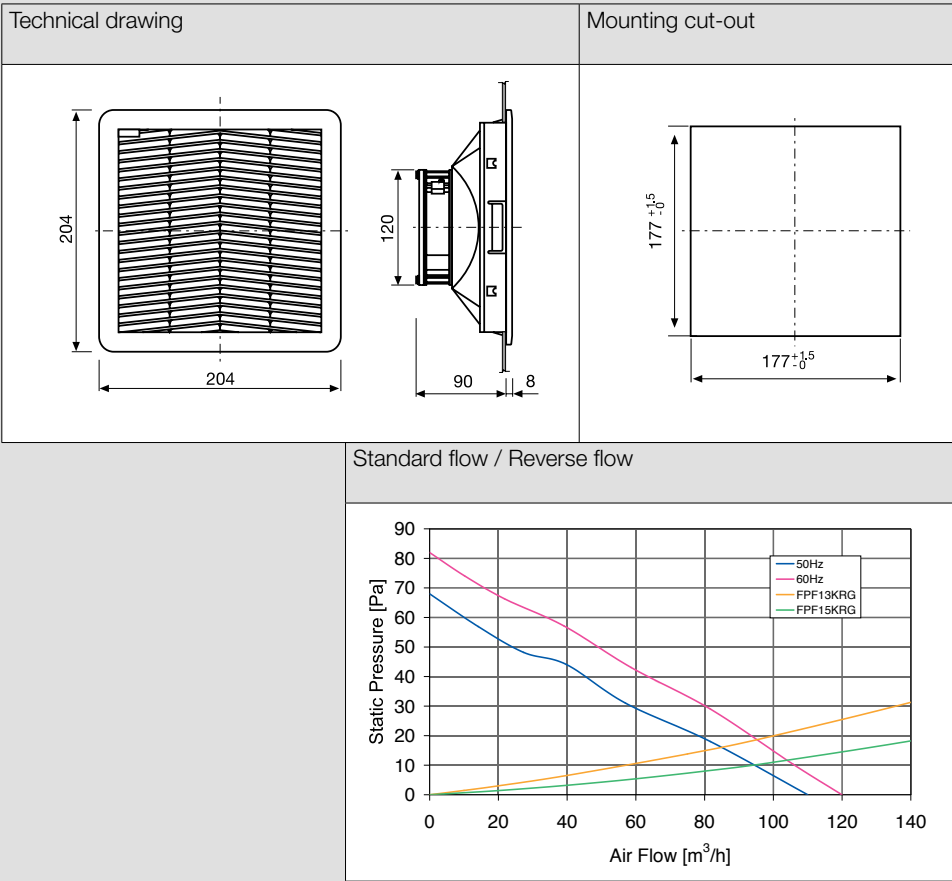


- Clip mounting system
- Low profile

Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF13KPU115BE-110	115 V a.c.	50/60	0.210/0.180	20/18	110/120	68/82	46.0/50.0	1.05	-10 ÷ +50	CE; cURus;
FPF13KPU115BER-110	115 V a.c.	50/60	0.210/0.180	20/18	110/120	68/82	46.0/50.0	1.05	-10 ÷ +50	CE; cURus;
FPF13KPU230BE-110	230 V a.c.	50/60	0.125/0.110	20/19	110/120	68/82	46.0/50.0	1.04	-10 ÷ +50	CE; cURus;
FPF13KPU230BER-110	230 V a.c.	50/60	0.125/0.110	20/19	110/120	68/82	46.0/50.0	1.04	-10 ÷ +50	CE; cURus;

Technical specifications



Standard flow / Reverse flow



General specifications

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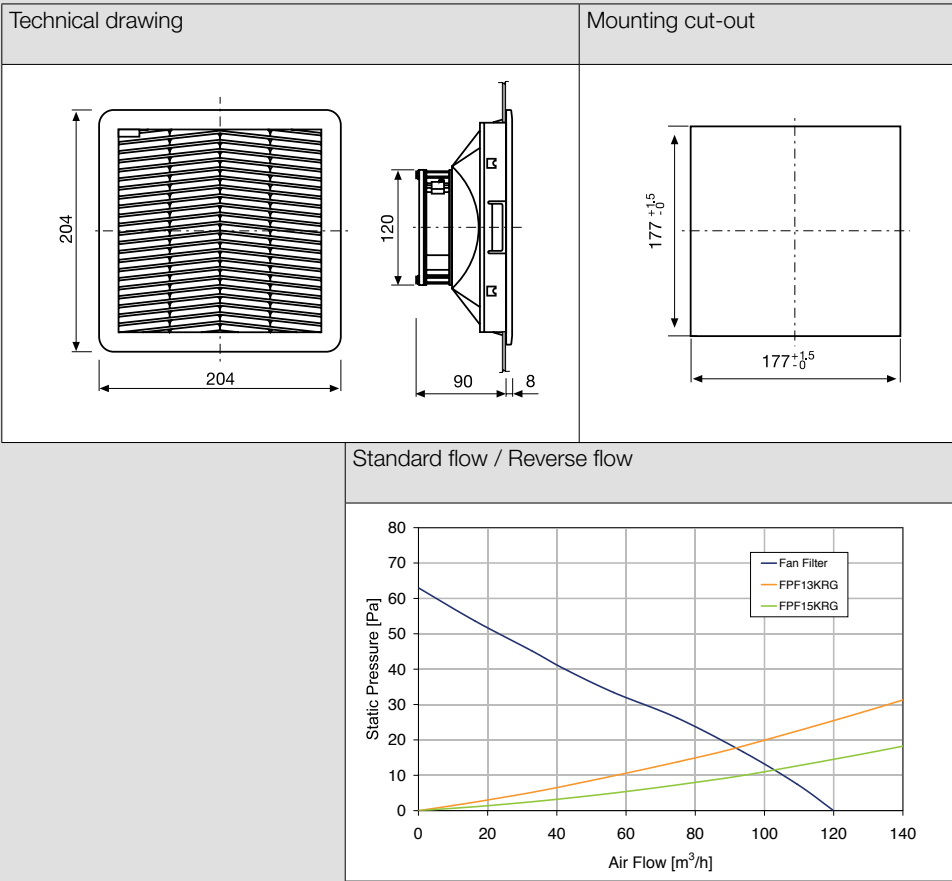


- Clip mounting system
- Low profile

Technical data

Model	Rated Voltage	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF13KPRD24B-110	24 V d.c.	0.400	9.6	120	63	42.5	0.81	-10 ÷ +50	CE; cURus;
FPF13KPRD24BR-110	24 V d.c.	0.400	9.6	120	63	42.5	0.81	-10 ÷ +50	CE; cURus;

Technical specifications





General specifications

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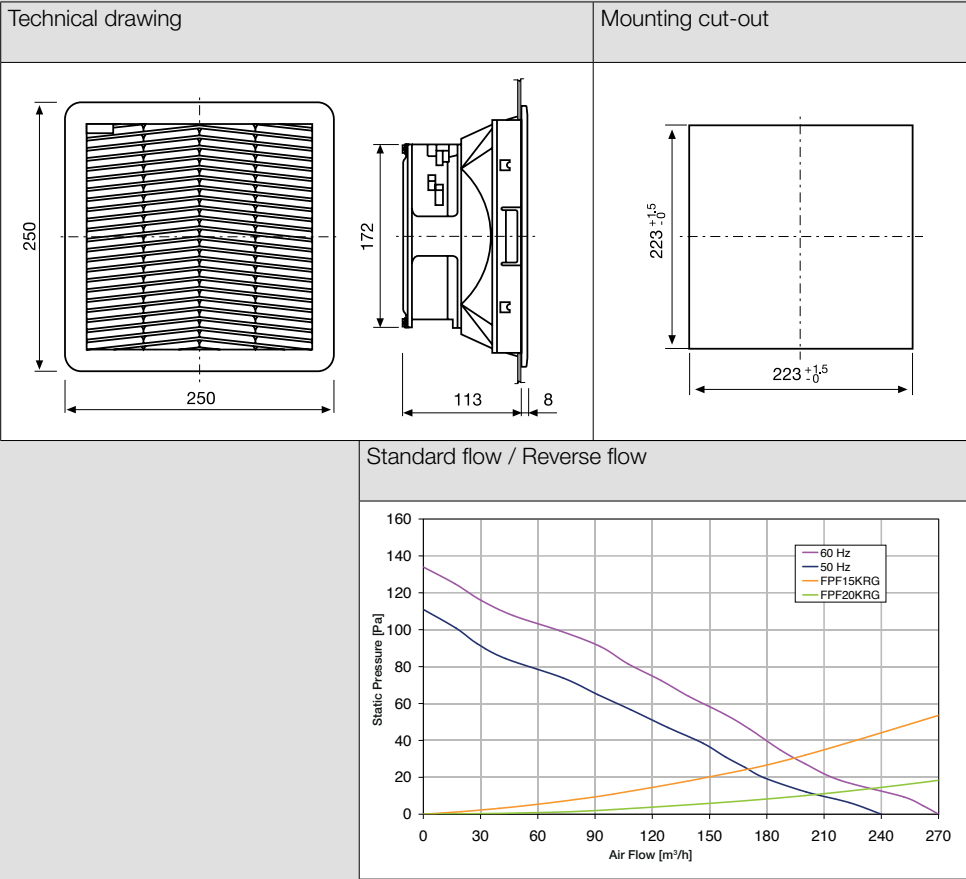


- Clip mounting system
- Low profile

Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF15KU115BE-110	115 V a.c.	50/60	0.265/0.274	30/30	240/270	111/134	50.0/55.0	1.78	-10 ÷ +50	CE; cURus;
FPF15KU115BER-110	115 V a.c.	50/60	0.265/0.274	30/30	240/270	111/134	50.0/55.0	1.78	-10 ÷ +50	CE; cURus;
FPF15KU230BE-110	230 V a.c.	50/60	0.132/0.130	29/29	240/270	111/134	50.0/55.0	1.78	-10 ÷ +50	CE; cURus;
FPF15KU230BER-110	230 V a.c.	50/60	0.132/0.130	29/29	240/270	111/134	50.0/55.0	1.78	-10 ÷ +50	CE; cURus;

Technical specifications





General specifications

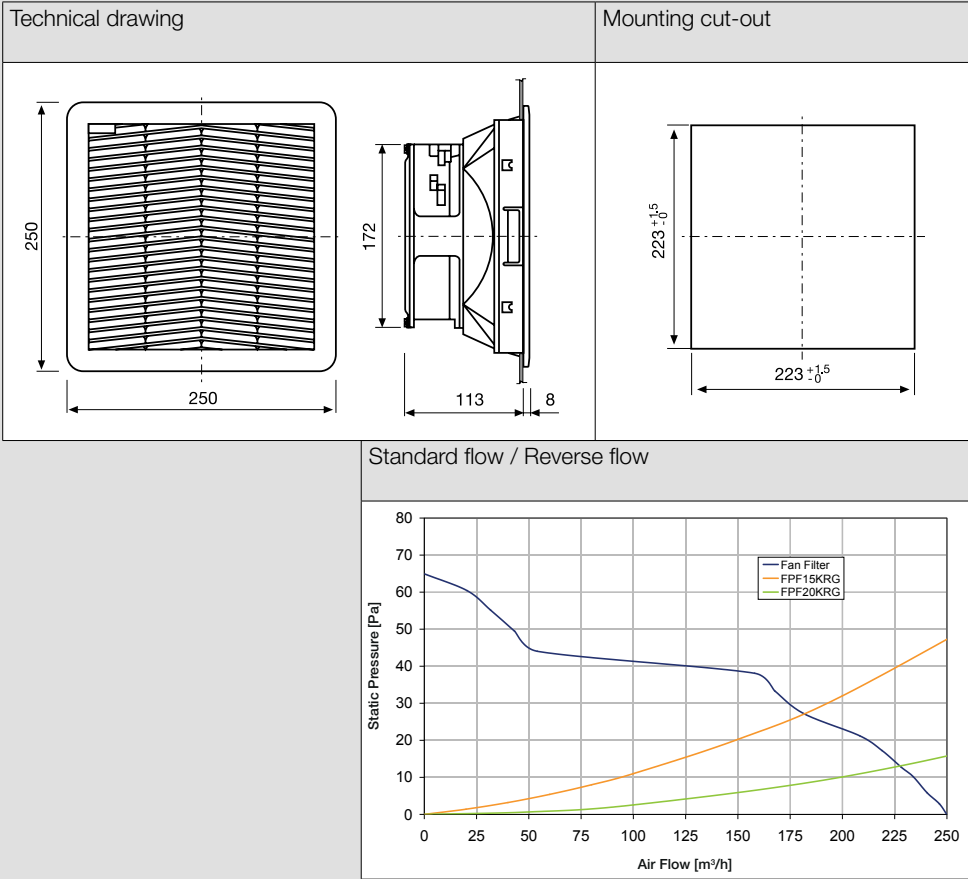
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- Clip mounting system
- Low profile

Technical data									
Model	Rated Voltage	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp.Range	Approvals
	V	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF15KRD24BR-110	24 V d.c.	0.95	23	250	65	64.0	1.63	-10 ÷ +50	CE; cURus;
FPF15KUD24B-110	24 V d.c.	0.95	23	250	65	64.0	1.63	-10 ÷ +50	CE; cURus;
FPF15KUD48B-110	48 V d.c.	0.370	18	250	65	64.0	1.77	-10 ÷ +55	CE;

Technical specifications





General specifications

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- UL approval according to UL 508



- ▶ Clip mounting system
- ▶ Low profile
- ▶ High performance

Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF15KGR115BE-130	115 V a.c.	50/60	0.60/0.65	58/70	360/400	160/180	66.0/69,2	2.88	-10 ÷ +70	CE; cURus;
FPF15KGU115BE-120	115 V a.c.	50/60	0.54/0.65	50/64	360/400	160/180	66.0/69,2	2.88	-10 ÷ +55	CE;
FPF15KGU115BER-120	115 V a.c.	50/60	0.54/0.65	50/64	360/400	160/180	66.0/69,2	2.88	-10 ÷ +55	CE;
FPF15KGR230BE-130	230 V a.c.	50/60	0.320/0.380	70/85	360/400	160/180	63.3/68.1	2.86	-10 ÷ +70	CE; cURus;
FPF15KGU230BE-120	230 V a.c.	50/60	0.300/0.382	67/87	360/400	160/180	63.3/68.1	2.86	-10 ÷ +50	CE;

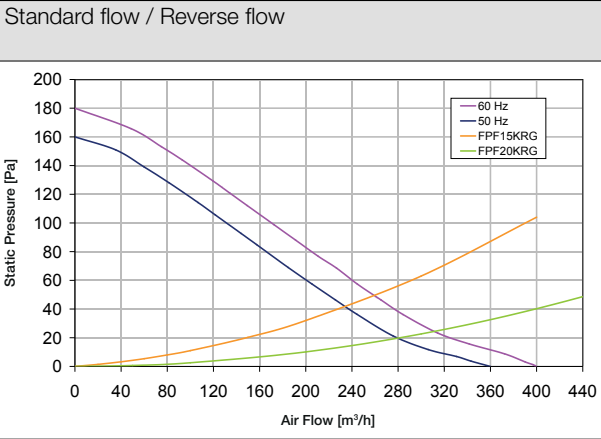
Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF15KGU230BER-120	230 V a.c.	50/60	0.300/0.382	67/87	360/400	160/180	63.3/68.1	2.86	-10 ÷ +50	CE;
FPF15KGU400TBE-120	400 V a.c.	50/60	0.140/0.130	71/93	360/400	160/180	69.8/72.7	3.01	-10 ÷ +55	CE;
FPF15KGU400TBER-120	400 V a.c.	50/60	0.140/0.130	71/93	360/400	160/180	69.8/72.7	3.01	-10 ÷ +55	CE;

Technical specifications

Technical drawing

Front view: 250 x 250 mm square grille.
Side view: 218 mm height, 114 mm width, 8 mm depth.
Mounting cut-out: 223^{+1.5}₋₀ mm square cut-out.





General specifications

- Mounting without screws in square openings as indicated in the cut-out diagram
- Plate thickness between 1.5 and 2.2mm
- Plastic parts in PC/ABS alloy
- Permanent sealing gasket in polyurethane foam
- Filter media in thermo-linked progressive structure synthetic fibre
 - filter class G3 (optionally filter class G4), according to EN 779
- Filter media can be cleaned, up to 10 times by washing, blowing dry and lightly beating
- IP55, Type1 and EMC versions on request
- UL approval according to UL 508

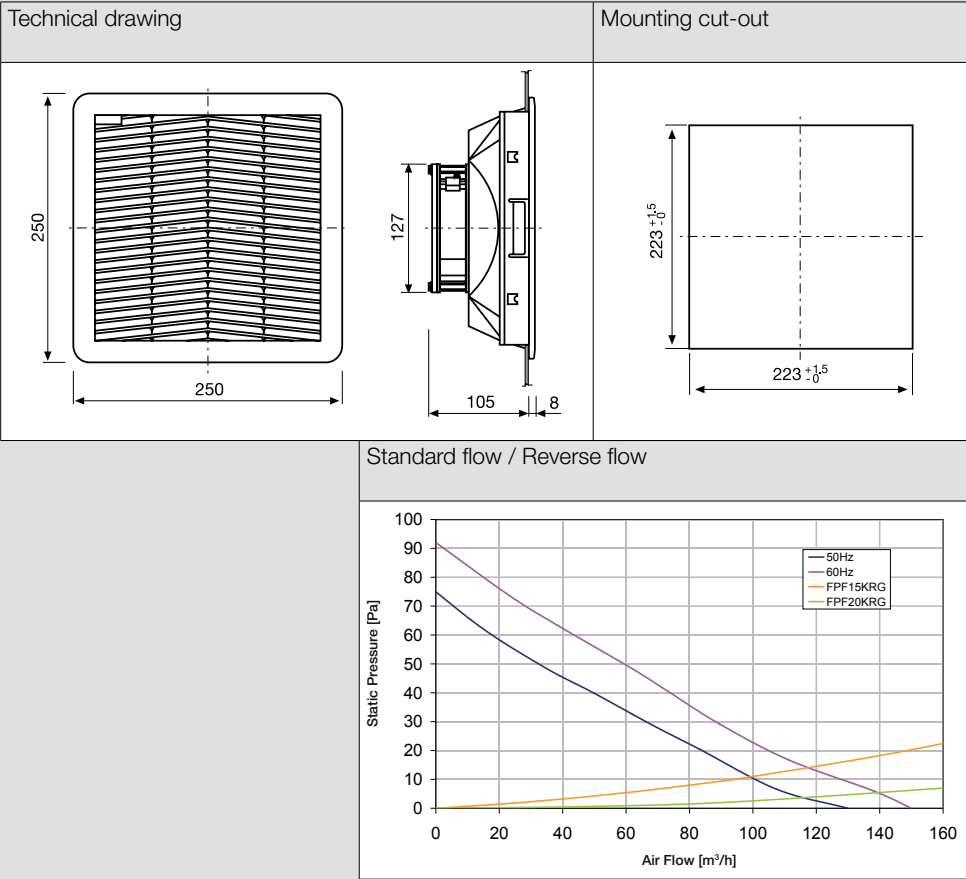


- ▶ Clip mounting system
- ▶ Low profile

Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF15KMR115BER-110	115 V a.c.	50/60	0.200/0.160	17/15	130/150	75/92	46.0/50.0	1.49	-10 ÷ +50	CE; cURus;
FPF15KMU115BE-110	115 V a.c.	50/60	0.200/0.160	17/15	130/150	75/92	46.0/50.0	1.49	-10 ÷ +50	CE; cURus;
FPF15KMU230BE-110	230 V a.c.	50/60	0.100/0.090	23/21	130/150	75/92	46.0/50.0	1.47	-10 ÷ +50	CE; cURus;
FPF15KMU230BER-110	230 V a.c.	50/60	0.100/0.090	23/21	130/150	75/92	46.0/50.0	1.47	-10 ÷ +50	CE; cURus;

Technical specifications





General specifications

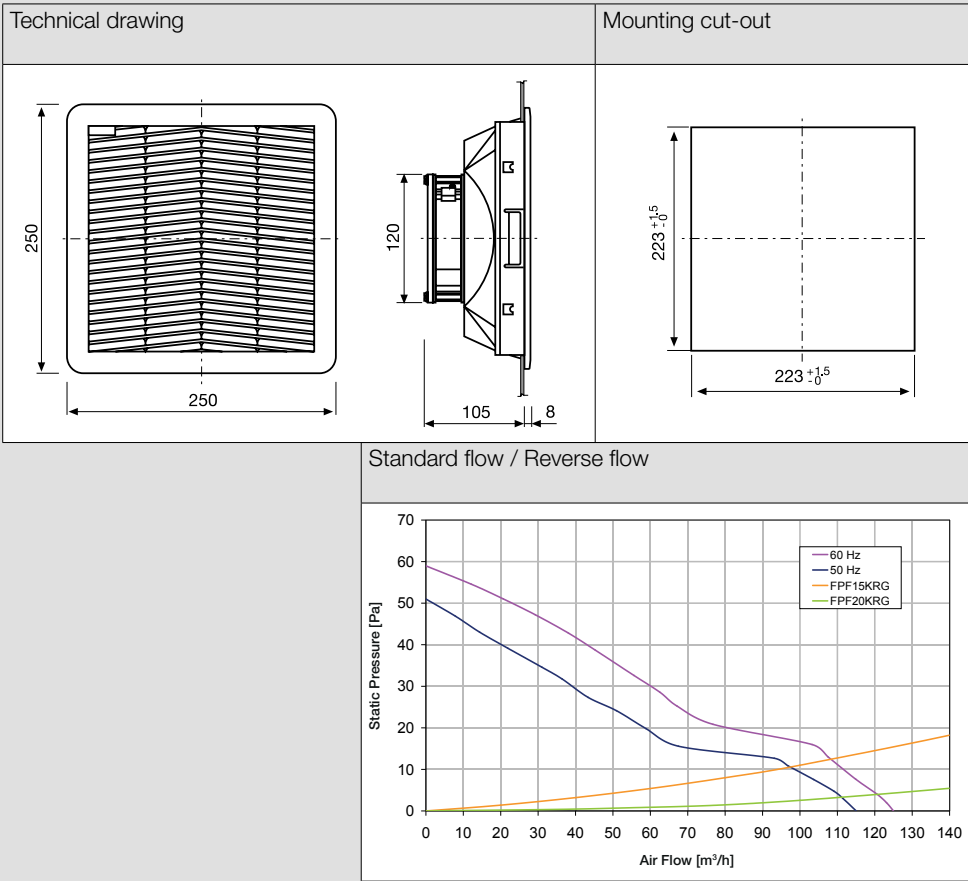
- Mounting without screws in square openings as indicated in the cut-out diagram
- Plate thickness between 1.5 and 2.2mm
- Plastic parts in PC/ABS alloy
- Permanent sealing gasket in polyurethane foam
- Filter media in thermo-linked progressive structure synthetic fibre
 - filter class G3 (optionally filter class G4), according to EN 779
- Filter media can be cleaned, up to 10 times by washing, blowing dry and lightly beating
- IP55, Type1 and EMC versions on request
- UL approval according to UL 508



- Clip mounting system
- Low profile

Technical data										
Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF15KPR115BE-110	115 V a.c.	50/60	0.210/0.180	20/18	115/125	51/59	46.0/50.0	1.43	-10 ÷ +50	CE; cURus;
FPF15KPR115BER-110	115 V a.c.	50/60	0.210/0.180	20/18	115/125	51/59	46.0/50.0	1.43	-10 ÷ +50	CE; cURus;
FPF15KPU230BE-110	230 V a.c.	50/60	0.125/0.110	20/19	115/125	51/59	46.0/50.0	1.43	-10 ÷ +50	CE; cURus;
FPF15KPU230BER-110	230 V a.c.	50/60	0.125/0.110	20/19	115/125	51/59	46.0/50.0	1.43	-10 ÷ +50	CE; cURus;

Technical specifications





General specifications

- Mounting without screws in square openings as indicated in the cut-out diagram
- Plate thickness between 1.5 and 2.2mm
- Plastic parts in PC/ABS alloy
- Permanent sealing gasket in polyurethane foam
- Filter media in thermo-linked progressive structure synthetic fibre
 - filter class G3 (optionally filter class G4), according to EN 779
- Filter media can be cleaned, up to 10 times by washing, blowing dry and lightly beating
- IP55, Type1 and EMC versions on request
- UL approval according to UL 508

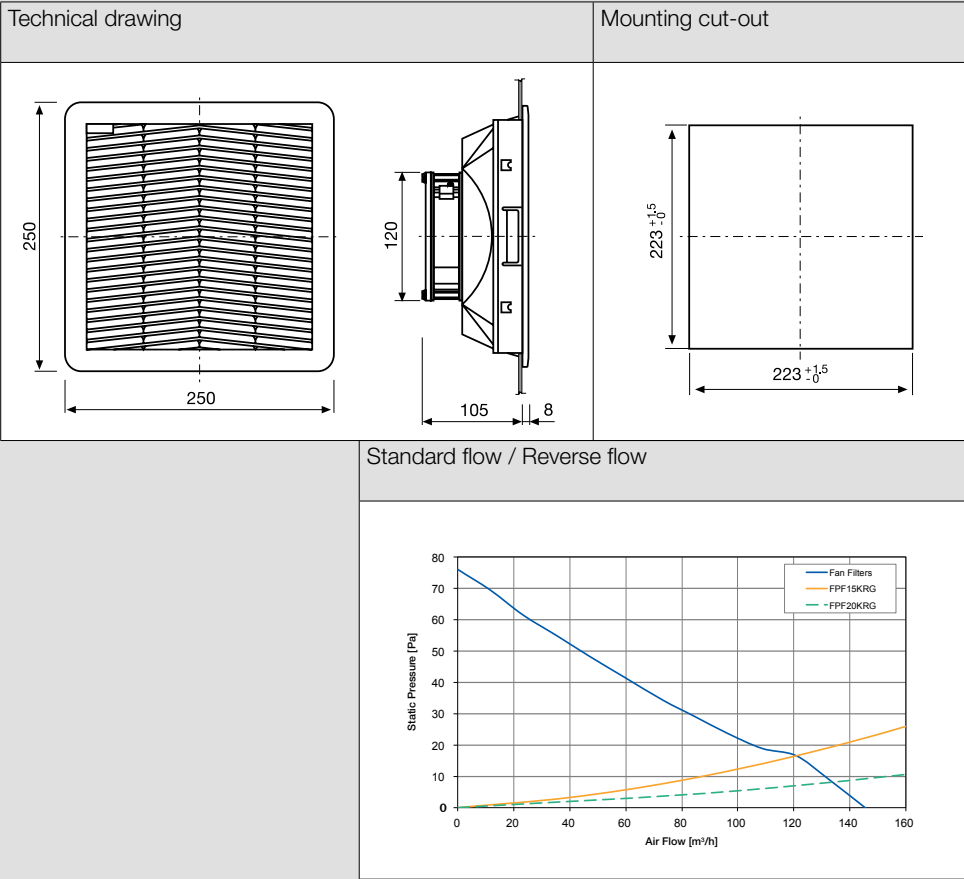


- Clip mounting system
- Low profile

Technical data

Model	Rated Voltage	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp.Range	Approvals
	V	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF15KPRD24BR-110	24 V d.c.	0.400	9.6	145	76	42.5	1.19	-10 ÷ +50	CE; cURus;
FPF15KPUD24B-110	24 V d.c.	0.400	9.6	145	76	42.5	1.19	-10 ÷ +50	CE; cURus;
FPF15KPRD48B-110	48 V d.c.	0.160	7.7	145	76	42.5	1.19	-10 ÷ +55	CE;
FPF15KPRD48BR-110	48 V d.c.	0.160	7.7	145	76	42.5	1.19	-10 ÷ +55	CE;

Technical specifications





General specifications

- Mounting without screws in square openings as indicated in the cut-out diagram
- Plate thickness between 1.5 and 2.2mm
- Plastic parts in PC/ABS alloy
- Permanent sealing gasket in polyurethane foam
- Filter media in thermo-linked progressive structure synthetic fibre
 - filter class G3 (optionally filter class G4), according to EN 779
- Filter media can be cleaned, up to 10 times by washing, blowing dry and lightly beating
- IP55, Type1 and EMC versions on request
- UL approval according to UL 508



- ▶ Clip mounting system
- ▶ Low profile

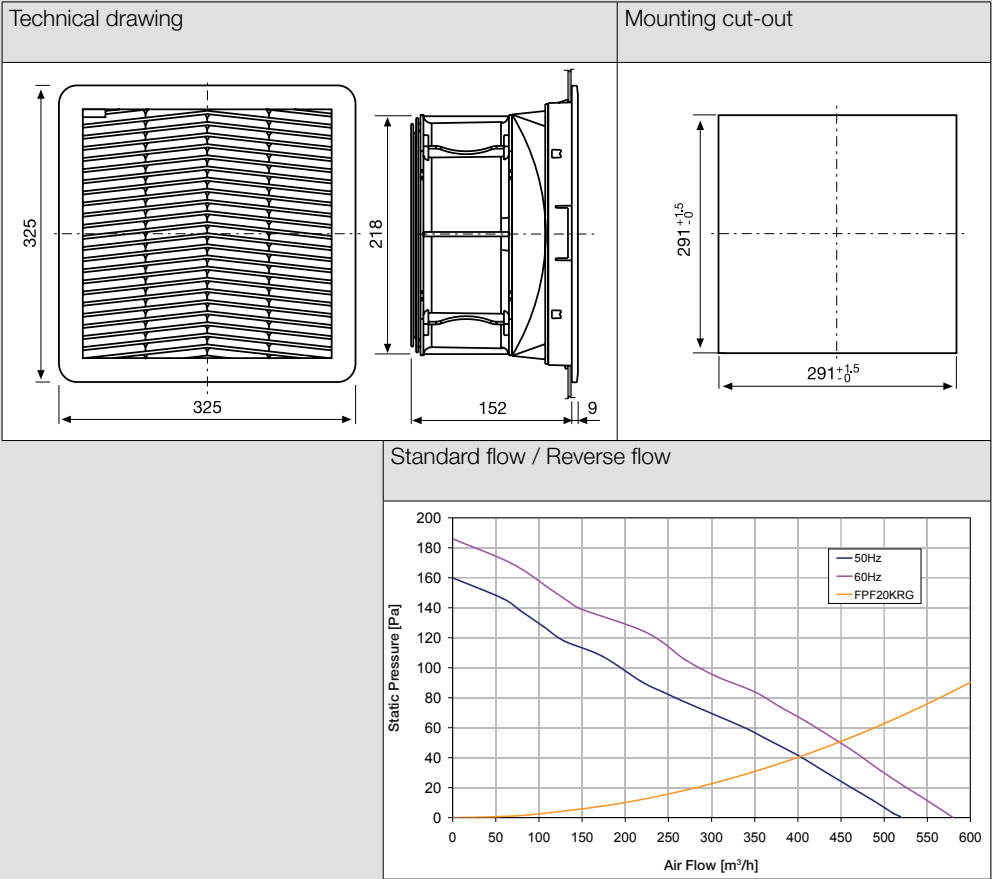
Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF20KR115BE-130	115 V a.c.	50/60	0.60/0.65	58/70	520/580	160/186	74.7/78.9	3.6	-10 ÷ +70	CE; cURus;
FPF20KU115BE-120	115 V a.c.	50/60	0.54/0.65	50/64	520/580	160/186	66.0/69.2	3.58	-10 ÷ +55	CE;
FPF20KU115BE-130	115 V a.c.	50/60	0.60/0.65	58/70	520/580	160/186	66,0/69,2	3.58	-10 ÷ +70	CE; cURus;
FPF20KU115BER-120	115 V a.c.	50/60	0.54/0.65	50/64	520/580	160/186	66.0/69.2	3.58	-10 ÷ +55	CE;
FPF20KR230BE-130	230 V a.c.	50/60	0.326/0.391	70/85	520/580	160/186	65.3/68.1	3.58	-10 ÷ +70	CE; cURus;
FPF20KU230BE-120	230 V a.c.	50/60	0.335/0.405	77/92	520/580	160/186	65.3/68.1	3.56	-10 ÷ +50	CE;

Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF20KU230BE-130	230 V a.c.	50/60	0.300/0.360	70/85	520/580	160/186	65,3/68,1	3.56	-10 ÷ +70	CE; cURus;
FPF20KU230BER-120	230 V a.c.	50/60	0.300/0.382	67/87	520/580	160/186	65.3/68.1	3.56	-10 ÷ +50	CE;
FPF20KR400TBER-120	400 V a.c.	50/60	0.140/0.130	71/93	520/580	160/186	69.8/72.7	3.73	-10 ÷ +55	CE;
FPF20KU400TBE-120	400 V a.c.	50/60	0.140/0.130	71/93	520/580	160/186	69.8/72.7	3.71	-10 ÷ +55	CE;

Technical specifications





General specifications

- Mounting without screws in square openings as indicated in the cut-out diagram
- Plate thickness between 1.5 and 2.2mm
- Plastic parts in PC/ABS alloy
- Permanent sealing gasket in polyurethane foam
- Filter media in thermo-linked progressive structure synthetic fibre
 - filter class G3 (optionally filter class G4), according to EN 779
- Filter media can be cleaned, up to 10 times by washing, blowing dry and lightly beating
- IP55, Type1 and EMC versions on request
- UL approval according to UL 508



- ▶ Clip mounting system
- ▶ Low profile
- ▶ High performance

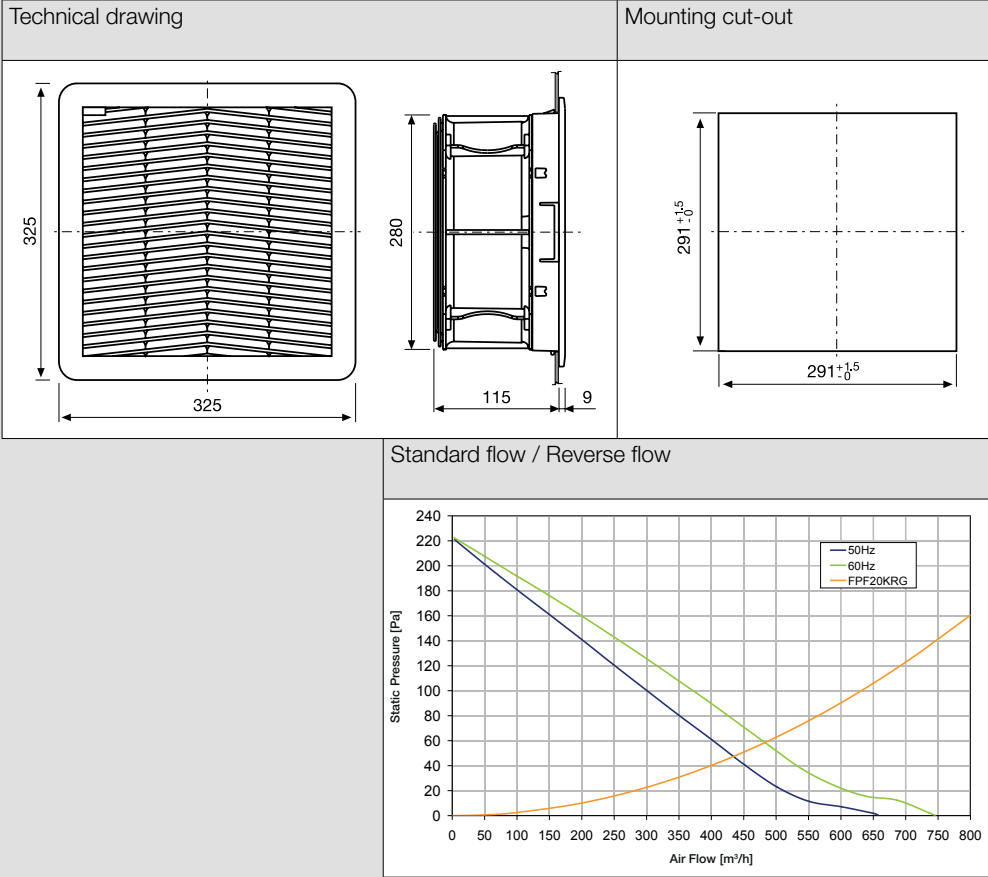
Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF20KGR115BE-130	115 V a.c.	50/60	1.4/1.5	112/148	660/745	220/222	74.7/78.9	4.31	-10 ÷ +70	CE; cURus;
FPF20KGU115BE-120	115 V a.c.	50/60	0.96/1.3	107/143	660/745	220/222	74.7/78.9	4.43	-10 ÷ +55	CE;
FPF20KGU115BE-130	115 V a.c.	50/60	1.4/1.5	112/148	660/745	220/222	74.7/78.9	4.29	-10 ÷ +70	CE; cURus;
FPF20KGU115BER-120	115 V a.c.	50/60	0.96/1.3	107/143	660/745	220/222	74.7/78.9	4.43	-10 ÷ +55	CE;
FPF20KGR230BE-130	230 V a.c.	50/60	0.60/0.72	111/140	660/745	220/222	68.0/70.0	4.43	-10 ÷ +70	CE; cURus;

Technical data

Model	Rated Voltage	Freq.	Rated Current	Rated power	Max air flow	Static Pressure	Noise	Weight	Working Temp. Range	Approvals
	V	Hz	A	W	m³/h	Pa	dB(A)	Kg	°C	
FPF20KGU230BE-120	230 V a.c.	50/60	0.50/0.72	111/140	660/745	220/222	72.8/75.8	4.26	-10 ÷ +55	CE;
FPF20KGU230BE-130	230 V a.c.	50/60	0.60/0.72	111/140	660/745	220/222	68.0/70.0	4.41	-10 ÷ +70	CE; cURus;
FPF20KGU230BER-120	230 V a.c.	50/60	0.50/0.72	111/140	660/745	220/222	72.8/75.8	4.26	-10 ÷ +55	CE;
FPF20KGR400TBER-120	400 V a.c.	50/60	0.180/0.200	93/123	660/745	220/222	76.0/79.0	4.78	-10 ÷ +55	CE;

Technical specifications





General specifications

- The filter media are made of high performance nonwovens produced from elastic, break-resistant polyolefin fibers with thermal bonding.
- High arrestance throughout their entire useful lifetime, thus providing maximized operational reliability
 - The filter media can be cleaned, up to 10 times, by careful washing, blowing dry and lightly beating
 - Available for FPF series in all sizes
 - G4 not for FPF08 models



► 6 pcs. kit

Technical data		
Model	Description	Filtration Class
M08FPFK	for FPF08 series	G3
M12FPF5K	for FPF12 series	G4
M12FPFK	for FPF12 series	G3
M13FPF5K	for FPF13 series	G4
M13FPFK	for FPF13 series	G3
M15FPF5K	for FPF15 series	G4
M15FPFK	for FPF15 series	G3
M20FPF5K	for FPF20 series	G4
M20FPFK	for FPF20 series	G3



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Fandis offers different solutions to satisfy enclosure needs:

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--> AMBIENT CONTROL SYSTEMS

--> CLIMATE CONTROL SYSTEMS

--> ELECTRO-TECHNICAL SYSTEMS

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The product is made in conformity with the cogent standards provided for by European Health and Safety legislation. Where expressly indicated, the product conforms to the standard of Safety and Performance defined by recognised international bodies and subject to their periodic verification.

Any loss or damage, both incidental and consequential, for any failure to perform or delay to perform due to wrong use or wrong installation of the product, as well as to the non-observance of technical specifications, are not covered by the Manufacturer's warranty. The buyer alone is responsible to determine the suitability of the product. The data indicated in the catalogue is purely indicative. The product is subject to wear.

Electrical connections must be carried out in compliance with pertinent national, state or local health and safety laws.

If the apparatus in which the product is incorporated should guarantee continuous use without variation or interruption in performance, the product must be utilised only in the presence of a device which immediately signals any functional anomaly or arrest, allowing immediate intervention or the activation of an auxiliary product.

If installed and/or integrated in other apparatus, the use and maintenance manual of the apparatus must also indicate the correct use of our product and its working characteristics and must prescribe its estimated life, before the product actually reaches the maximum working hours shown in the data sheets, that is to say, taking account of all the specific conditions of use and of the technical specifications supplied and must supply exhaustive information allowing the user to substitute the product (removal & substitution).

Any fan found to be defective within the limits of the warranty, will be replaced free of charge. Costs of labour or other extra subsequent costs relative to the removal, restitution or new installation of the fan are not covered by the product warranty.

Sales Conditions and Data Sheets available on www.fandis.com

Other models are available on request, subject to quantities.

Colors of engineering.

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