

TYPE 3R filter fans

Protecting enclosures in outdoor applications



virdis
filter fans

TYPE 3R filter



The need for temperature control



In today's control cabinets, thermal management takes on a greater importance to ensure reliable performance. Filter fans placement is a forced-air solution to maintain an optimum climate in enclosures, avoiding costly downtime and system failures.

Shielded outdoor installation

Fandis Type 3R filter fans are specifically designed to meet the outdoor location needs and provide a degree of protection for the enclosure and the internal electrical control components from falling dirt, dust, rain, sleet and from damage caused by the formation of ice.

The application rated 3R design includes durable plastic construction that allows direct sunlight or water exposure without the risk of premature aging.

The **standard protection degree is IP55**, except for the FF08 size (107x107mm) that is available only rated IP54.



fans

FF series Type 3R exhaust filters



Model	Dimensions HxWxD	Cut-Out	Approvals
	mm	mm	
IP54 FF08N3	107x107x23	91.5x91.5	CE; cURus; cULus;
FF12N53	150x150x29	125x125	CE; cURus; cULus;
FF13N53	204x204x30	177x177	CE; cURus; cULus;
FF15N53	250x250x34	223x223	CE; cURus; cULus;
FF20N53	325x325x34	291x291	CE; cURus; cULus;

Operation and aesthetics insured

The FF series of exhaust filters and filter fans are suitable to preserve the integrity of components inside an electrical cabinet for outdoor use, and ensure greater resistance to degradation due to environmental factors.

The main **benefits of the FF filter fans Type 3R** are:



waterproof



IP55 standard
protection degree



plastics construction against
atmospheric deterioration



UV-resistant



quick tool-less mounting system with
clips for 1mm to 3.7mm thick plates



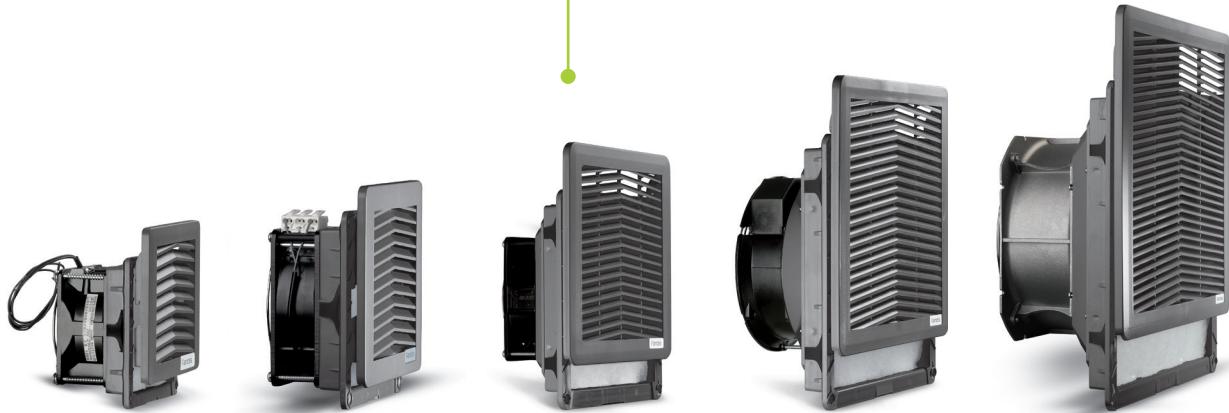
RAL 9005

FF series filter fans Type 3R

Model	Dimensions HxWxD	Cut-Out	Rated Voltage	Rated Power (50/60Hz)	Max air flow (50/60Hz)	Static Pressure (50/60Hz)	Approvals
	mm	mm	V	W	m³/h	Pa	
FF08A115NN3	107x107x67	91.5x91.5	115 V a.c.	9.0/7.0	12/15	23/33	CE; cURus; cULus;
FF08A230NN3	107x107x67	91.5x91.5	230 V a.c.	10/8.0	12/15	23/33	CE; cURus; cULus;
FF08D12NN3	107x107x54	91.5x91.5	12 V d.c.	2.0	16	28	CE; cURus; cULus;
FF08D24NN3	107x107x54	91.5x91.5	24 V d.c.	2.0	16	28	CE; cURus; cULus;
FF08GA115NF3	107x107x80	92.5x92.5	115 V a.c.	12/10	21/26	40/55	CE; cURus; cULus;
FF08GA230NF3	107x107x80	92.5x92.5	230 V a.c.	12/11	21/26	40/55	CE; cURus; cULus;
FF08GD24NN3	107x107x77	92.5x92.5	24 V d.c.	15	50	160	CE; cURus; cULus;
FF12A115NF53	150x150x73	125x125	115 V a.c.	16/15	33/39	49/55	CE; cURus; cULus;
FF12A115NN53	150x150x73	125x125	115 V a.c.	19/17	50/59	67/82	CE; cURus; cULus;
FF12A230NF53	150x150x73	125x125	230 V a.c.	18/17	33/39	49/55	CE; cURus; cULus;
FF12A230NN53	150x150x73	125x125	230 V a.c.	18/16	50/59	67/82	CE; cURus; cULus;
FF12D24NN53	150x150x73	125x125	24 V d.c.	7.4	35	53	CE; UR; cULus;
* FF12D48NN53	150x150x73	125x125	48 V d.c.	8.6	35	53	CE; UR; cULus;
FF13PA115NF53	204x204x96	177x177	115 V a.c.	18/18	75/87	50/50	CE; cURus; cULus;
FF13PA115NN53	204x204x96	177x177	115 V a.c.	16/15	90/110	75/95	CE; cURus; cULus;
FF13PA230NF53	204x204x96	177x177	230 V a.c.	18/18	75/87	50/50	CE; cURus; cULus;
FF13PA230NN53	204x204x96	177x177	230 V a.c.	19/17	90/110	75/95	CE; cURus; cULus;
FF13PD24NN53	204x204x95	177x177	24 V d.c.	8.2	85	52	CE; UR; cULus;
FF15A115NF53	250x250x124	223x223	115 V a.c.	31/31	160/195	97/130	CE; cURus; cULus;
FF15A115NN532	250x250x112	223x223	115 V a.c.	39/41	187/225	94/121	CE; cURus; cULus;
FF15A230NF53	250x250x124	223x223	230 V a.c.	32/36	160/195	97/130	CE; cURus; cULus;
FF15A230NN532	250x250x112	223x223	230 V a.c.	42/45	187/225	105/139	CE; cURus; cULus;
FF15D24NF53	250x250x125	223x223	24 V d.c.	31	230	150	CE; cURus; cULus;
FF15D24NN53	250x250x125	223x223	24 V d.c.	17	205	97	CE; UR; cULus;
FF15PA115NF53	250x250x112	223x223	115 V a.c.	17/16	96/110	49/52	CE; cURus; cULus;
FF15PA230NF53	250x250x112	223x223	230 V a.c.	18/17	96/110	49/52	CE; cURus; cULus;
FF15PD24NN53	250x250x112	223x223	24 V d.c.	7.6	110	50	CE; UR; cULus;
* FF15PD48NN53	250x250x112	223x223	48 V d.c.	8.6	110	50	CE; UR; cULus;
FF20A115NE531	325x325x160	291x291	115 V a.c.	74/83	338/378	98/107	CE; cURus; cULus;
FF20A230NE531	325x325x160	291x291	230 V a.c.	70/85	360/400	112/126	CE; cURus; cULus;
FF20GA115NE31	325x325x159	291x291	115 V a.c.	110/156	675/738	183/170	CE; cURus; cULus;
FF20GA230NE31	325x325x159	291x291	230 V a.c.	120/158	680/765	200/210	CE; cURus; cULus;

* Models available on request

IP54



NEW

OTHER OUTDOOR SOLUTIONS (IP56) Hose-proof protection hood

SSC-A TYPE 4X SERIES Particularly suitable for outdoor applications or in the food industry. It protects against splashes of liquids and solid foreign objects. Protected against corrosion.

- AISI 304 stainless steel brushed finish and slide mounting system
- Sanitary FDA compliant silicon gaskets to detect contamination
- Removable rain hood for easy maintenance and replacement of filter without tools
- UL approved only using FF filter fans

Model	Description
SSC-08A	FF08
SSC-12A	FF12, GF12
SSC-13A	FF13
SSC-15A	FF15, GF15
SSC-20A	FF20, GF20



SSC SERIES Protects against powerful water jets and solid foreign objects and it is easily washable.

- AISI 304 stainless steel cover of 1mm with slide mounting system on bracket
- Stainless steel bracket of 0.5mm to apply without screws between base and clips

Model	Description
SSC-08	FF08
SSC-12	FF12, GF12
SSC-13	FF13
SSC-15	FF15, GF15
SSC-20	FF20, GF20



Fandis S.p.A.
Via per Castelletto 69 - 28040 Borgo Ticino (NO) - Italy
Tel. +39 0321 96 32 32 - Fax +39 0321 96 32 96
info@fandis.it

www.fandis.it

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

Follow us on:

