



### FF series filter fans Type 3R

- UV resistant
- Weatherproof plastic construction, ideal for outdoor applications
- Tool-less assembly system with clips
- Plate thickness: FF08 from 1 to 2mm; FF12, FF13 from 1.3mm to 3.2mm; FF20 from 1.3 to 3.7mm (up to 4mm with cut-out max tolerance)
- Quick electrical connections by screwless terminal block
- Standard colour RAL 9005
- Standard protection ratings: Type 3R and IP55 (IP54 for FF08 series)
- Frequency: 50/60 hz



Model	Dimensions	Cut-Out	Rated Voltage	Rated Power	Max Airflow	Airflow with Exhaust Filter	Approvals
	mm	mm	V	W	m³/h	m³/h	
<b>FF08A3</b>							
FF08A115NN3	107x107x67	91,5x91,5	115 V a.c.	9/7	12/15	9/11.5	cURus; cULus
FF08A230NN3	107x107x67	91,5x91,5	230 V a.c.	10/8	12/15	9/11.5	cURus; cULus
<b>FF08D3</b>							
FF08D12NN3	107x107x54	91,5x91,5	12 V d.c.	2	16	11	cURus; cULus
FF08D24NN3	107x107x54	91,5x91,5	24 V d.c.	2	16	11	cURus; cULus
<b>FF08GA3</b>							
FF08GA115NF3	107x107x80	92,5x92,5	115 V a.c.	12/10	21/26	16/18	cURus; cULus
FF08GA230NF3	107x107x80	92,5x92,5	230 V a.c.	12/11	21/26	16/18	cURus; cULus
<b>FF08GD3</b>							
FF08GD24NN3	107x107x77	92,5x92,5	24 V d.c.	15	50	36	cURus; cULus
<b>FF12A53</b>							
FF12A115NF53	150x150x73	125x125	115 V a.c.	16/15	33/39	22/25	cURus; cULus
FF12A115NN53	150x150x73	125x125	115 V a.c.	19/17	50/59	32/38	cURus; cULus
FF12A230NF53	150x150x74	125x125	230 V a.c.	18/17	33/39	22/25	cURus; cULus
FF12A230NN53	150x150x73	125x125	230 V a.c.	18/16	50/59	32/38	cURus; cULus
<b>FF12D53</b>							
FF12D24NN53	150x150x73	125x125	24 V d.c.	7,4	35	24	UR; cULus
FF12D48NN53	150x150x73	125x125	48 V d.c.	8,6	35	24	UR; cULus
<b>FF13PA53</b>							
FF13PA115NF53	204x204x96	177x177	115 V a.c.	19/18	75/87	46/54	cURus; cULus
FF13PA115NN53	204x204x96	177x177	115 V a.c.	16/15	90/110	62/75	cURus; cULus
FF13PA230NF53	204x204x96	177x177	230 V a.c.	18/18	75/87	46/54	cURus; cULus
FF13PA230NN53	204x204x96	177x177	230 V a.c.	19/17	90/110	62/75	cURus; cULus
<b>FF13PD53</b>							
FF13PD24NN53	204x204x95	177x177	24 V d.c.	8,2	85	52	UR; cULus
<b>FF15A53</b>							
FF15A115NF53	250x250x125	223x223	115 V a.c.	31/31	160/195	115/140	cURus; cULus
FF15A115NN532	250x250x112	223x223	115 V a.c.	39/41	187/225	118/142	cURus; cULus
FF15A230NF53	250x250x124	223x223	230 V a.c.	32/36	160/195	118/140	cURus; cULus
FF15A230NN532	250x250x113	223x223	230 V a.c.	42/45	187/225	118/142	cURus; cULus
<b>FF15D53</b>							
FF15D24NF53	250x250x125	223x223	24 V d.c.	31	230	158	cURus; cULus
FF15D24NN53	250x250x125	223x223	24 V d.c.	17	205	141	UR; cULus
<b>FF15PA53</b>							
FF15PA115NF53	250x250x112	223x223	115 V a.c.	17/16	96/110	68/82	cURus; cULus
FF15PA230NF53	250x250x112	223x223	230 V a.c.	18/17	96/110	68/82	cURus; cULus