

Filter Fans for electrical cabinets and enclosures 120 V or 230 V AC versions

Types 7F.20 for **indoor** use

Types 7F.30 for **outdoor** use

- Very low acoustic noise
- Minimal depth within enclosure
- Nominal voltage: 120 or 230 V AC (50/60 Hz)
- Time-saving installation and maintenance
- Easily replaceable filter mat
- Filter Fan supplied in Reverse flow mode (7F.21 for indoor use, 7F.31 for outdoor use)
- Black colour RAL 9004 Available (only for 7F.20)

NEW 7F.20.8.xxx.1020
7F.30.8.xxx.1020



- Nominal voltage 120 or 230 V AC
- Air volume 50/60 Hz: 24/29 m³/h
- Size 1

NEW 7F.20.8.xxx.2055
7F.30.8.xxx.2055



- Nominal voltage 120 or 230 V AC
- Air volume 50/60 Hz: 55/63 m³/h
- Size 2

NEW 7F.20.8.xxx.3100
7F.30.8.xxx.3100



- Nominal voltage 120 or 230 V AC
- Air volume 50/60 Hz: 100/115 m³/h
- Size 3

For outline drawing see page 14

Fan data

Air volume (free flow): 50/60 Hz	m³/h	24/29		55/63		100/115	
Air volume (with exhaust filter installed): 50/60 Hz	m³/h	14/16.5		40/45.5		75/85.5	
Noise level	dB (A)	27		42		42	
Life time at 40 °C	h	50 000		50 000		50 000	

Electrical data

Nominal voltage (U _N)	V AC (50/60 Hz)	120	230	120	230	120	230
Operating range	AC	(0...1.1)U _N		(0.8...1.1)U _N		(0.8...1.1)U _N	
Current consumption: 50/60 Hz	A	0.23/0.18	0.1/0.08	0.25/0.21	0.13/0.11	0.25/0.21	0.13/0.11
Rated power: 50/60 Hz	W	27/21	23/18	30/25	29/25	30/25	29/25

Other data

Housing, cover		Plastics according to UL94 V-0	
Filter mat (included)		G3 according to EN 779, filtering degree (80...90)%	
Filter material		Synthetic fibre with progressive construction, temperature resistant to +100 °C, self extinguishing, Class F1 (DIN 53438)	
Electrical connections		Push-in terminals	
Wire size (mm²)	min/max	0.7/2.5	
Wire size (AWG)	min/max	18/14	
Ambient temperature range °C		−15...+55 (−30...+55 for 7F.30)	
Protection category according to EN 60529		IP 54	
Protection category according to NEMA (7F.20)		Type 12	
Protection category according to NEMA (7F.30)		Type 3R	

Approvals (according to type)



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- Minimal depth within enclosure
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NEW 7F.20.8.xxx.4250
7F.30.8.xxx.4250



- Nominal voltage 120 or 230 V AC
- Air volume 50/60 Hz: 250/295 m³/h
- Size 4

NEW 7F.20.8.xxx.4400
7F.30.8.xxx.4400



- Nominal voltage 120 or 230 V AC
- Air volume 50/60 Hz: 400/445 m³/h
- Size 4

G

For outline drawing see page 15

Fan data

Air volume (free flow): 50/60 Hz	m³/h	250/295	400/445
Air volume (with exhaust filter installed): 50/60 Hz	m³/h	195/228	270/300
Noise level	dB (A)	56	72
Life time at 40 °C	h	50 000	50 000

Electrical data

Nominal voltage (U _N)	V AC (50/60 Hz)	120	230	120	230
Operating range	AC	(0.8...1.1)U _N		(0.8...1.1)U _N	
Current consumption: 50/60 Hz	A	0.35/0.40	0.2/0.22	0.6/1	0.3/0.49
Rated power: 50/60 Hz	W	42/48	46/50	72/120	69/112

Other data

Housing, cover		Plastics according to UL94 V-0	
Filter mat (included)		G3 according to EN 779, filtering degree (80...90)%	G4 according to EN 779, filtering degree (80...90)%
Filter material		Synthetic fibre with progressive construction, temperature resistant to +100 °C, self extinguishing, Class F1 (DIN 53438)	
Electrical connections		Push-in terminals	
Wire size (mm²)	min/max	0.7/2.5	
Wire size (AWG)	min/max	18/14	
Ambient temperature range °C		-15...+55 (-30...+55 for 7F.30)	
Protection category according to EN 60529		IP 54	
Protection category according to NEMA (7F.20)		Type 12	
Protection category according to NEMA (7F.30)		Type 3R	

Approvals (according to type)

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- Nominal voltage: 120 or 230 V AC (50/60 Hz)
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- Black colour RAL 9004 Available (only for 7F.20)

NEW 7F.20.8.xxx.5550
NEW 7F.30.8.xxx.5550



- Nominal voltage 120 or 230 V AC
- Air volume 50/60 Hz: 550/605 m³/h
- Size 5

NEW 7F.20.8.xxx.5700
NEW 7F.30.8.xxx.5700



- Nominal voltage 120 or 230 V AC
- Air volume 50/60 Hz: 660/700 m³/h
- Size 5

For outline drawing see page 15

Fan data

Air volume (free flow): 50/60 Hz	m³/h	550/605		660/700	
Air volume (with exhaust filter installed): 50/60 Hz	m³/h	400/440		550/600	
Noise level	dB (A)	75		72	
Life time at 40 °C	h	50 000		50 000	

Electrical data

Nominal voltage (U _N)	V AC (50/60 Hz)	120	230	120	230
Operating range	AC	(0.8...1.1)U _N		(0.8...1.1)U _N	
Current consumption: 50/60 Hz	A	0.66/0.85	0.34/0.49	0.92/1.14	0.46/0.53
Rated Power: 50/60 Hz	W	75/102	76/116	110/140	106/120

Other data

Housing, cover	Plastics according to UL94 V-0, light grey (RAL 7035)	
Filter mat (included)	G4 according to EN 779, filtering degree (80...90)%	G3 according to EN 779, filtering degree (80...90)%
Filter material	Synthetic fibre with progressive construction, temperature resistant to +100 °C, self extinguishing, Class F1 (DIN 53438)	
Electrical connections	Push-in terminals	Screw Terminal
Wire size (mm²)	min/max	0.7/2.5
Wire size (AWG)	min/max	18/14
Ambient temperature range	°C	−15...+55 (−30...+55 for 7F.30)
Protection category according to EN 60529	IP 54	
Protection category according to NEMA (7F.20)	Type 12	
Protection category according to NEMA (7F.30)	Type 3R	

Approvals (according to type)

