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# PF 43.000 EMC | PFA 40.000 EMC
# ECOOL FILTERFAN | EXHAUST FILTER 233–292 m³/h

- installation size 4, air flow rate up to 292 m³/h
- two performance classes, cut-out compatible
- secure contact due to improved contact springson the screen grid
- system of protection IP 54 and IP 55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP 55 version)
- cut-out compatible to installation size 4 of the 3rd and 4th Generation

| PRODUCT | | PF 43.000 EMC | | | | | |
|---|---|---|---|---|---|---|---|
| ARTICLE NO. | IP 54 | 11843101055 | 11843151055 | 11843851055 | 11843801055 | 11843701055 | Unit |
| ARTICLE NO. | IP 55 | 11843103055 | 11843153055 | 11843853055 | 11843803055 | 11843703055 | |
| DATA | | | | | | | |
| Rated voltage ±10 % | | AC 50 \| 60 Hz | | DC | | | |
| | | 230 | 115 | 12 | 24 | 48 | V |
| Unimpeded airflow | IP 54 | 256 \| 292 | | | | | m³/h |
| | IP 55 | 233 \| 265 | | | | | |
| Airflow rate in comb. with exhaust filter | IP 54 | 231 \| 265 | | | | | |
| | IP 55 | 180 \| 207 | | | | | |
| Power consumption | | 45 \| 39 | 40 \| 40 | 12 | | | W |
| Current consumption | | 0.32 \| 0.26 | 0.5 \| 0.5 | 1 | 0.5 | 0.25 | A |
| Noise level according to EN ISO 3741 | | 42 \| 46 | | 42 | | | dB (A) |
| Weight | | 1.83 | | 1.77 | | | kg |
| Type of connection | | spring-type terminal | | | | | |
| Fuse | | 6 | | | | | A |
| System of protection according to EN 60529 / UL 50 | IP 54 | NEMA type 12 - standard filter | | | | | |
| | IP 55 | NEMA type 12 - fluted filter | | | | | |
| Filtration efficiency according to EN 779 | IP 54 | > 90 | | | | | % |
| | IP 55 | > 90 | | | | | % |
| Filter mat quality class according to EN 779 | IP 54 | G 4 | | | | | |
| | IP 55 | G 4 | | | | | |
| Duty cycle | | 100 | | | | | % |
| Bearing type | | ball bearing | | | | | |
| Service life $L_{10}$ (+ 40 °C)[1] | | 40000 | | 80000 | | | h |
| Temperature range | | –40 … +55 \| –40 … +131 | | | | | °C \| °F |
| Design (housing and protection against accidental contact) | IP 54 | made of injection-moulded thermoplastic, self-extinguishing, UL 94 V0 | | | | | |
| | IP 55 | additional: UV-resistant | | | | | |
| EMC screen | | stainless steel | | | | | |
| Colour | | RAL 7035 \| different colours available on request | | | | | |

| ACCESSORIES | | ARTICLE NUMBER |
|---|---|---|
| Exhaust filter | | 11940001055 |
| Spare filter mats | 5 pieces | 18611600032 |
| Thermostat | | 17121000000 |
| Hygrostat | | 17207000000 |
| Rainhood in stainless steel | | 18102000017 |

**For additional models, options and voltages visit www.pfannenberg.com or contact us directly.**

[1] fan failure is defined as being when the current and speed deviate or the operating noises are out of the ordinary

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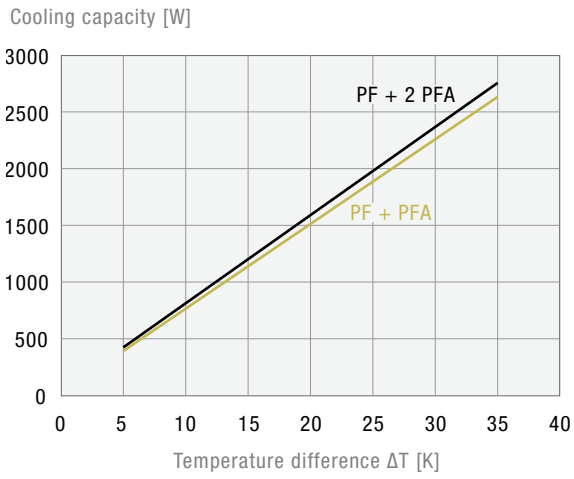
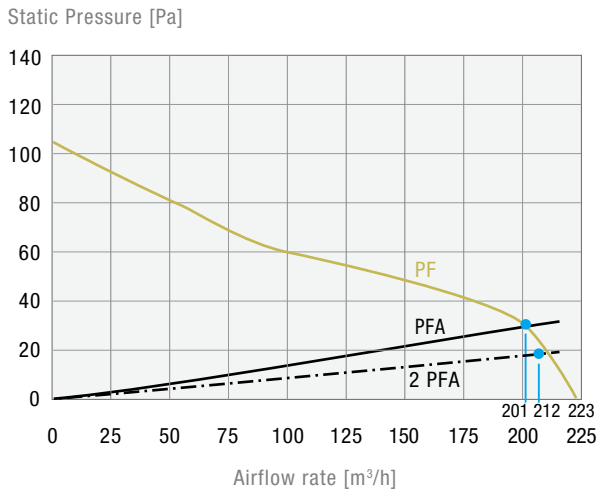
## Cooling capacity performance curves

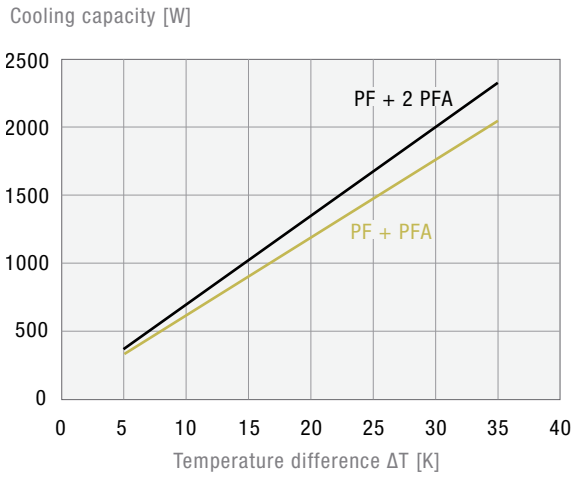
## Static pressure performance curve

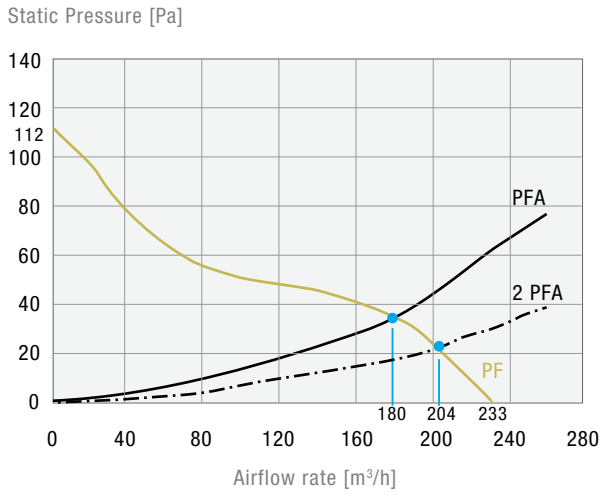
### PF 43.000 EMC IP 54



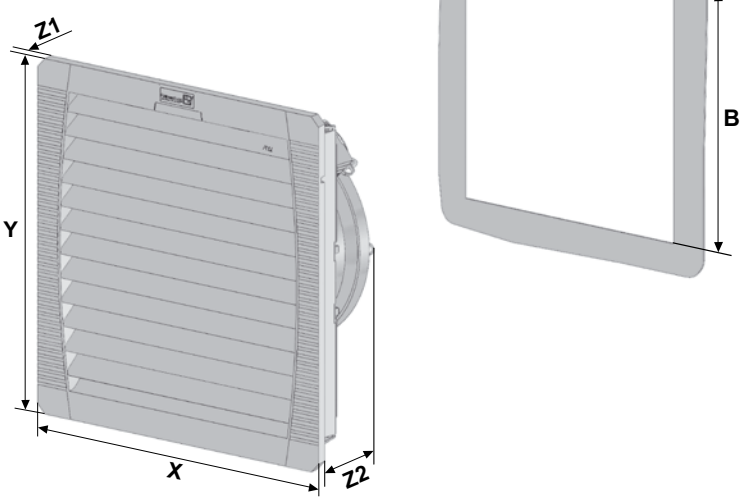

### PF 43.000 EMC IP 55




## Dimensions

| mm | PF 43.000 EMC | | PFA 40.000 EMC |
|---|---|---|---|
| | AC | DC | |
| X | 252 | 252 | 252 |
| Y | 252 | 252 | 252 |
| Z1 | 6 | 6 | 6 |
| Z2 | 113 | 97 | 38 |
| A | 224 | 224 | 224 |
| B | 224 | 224 | 224 |



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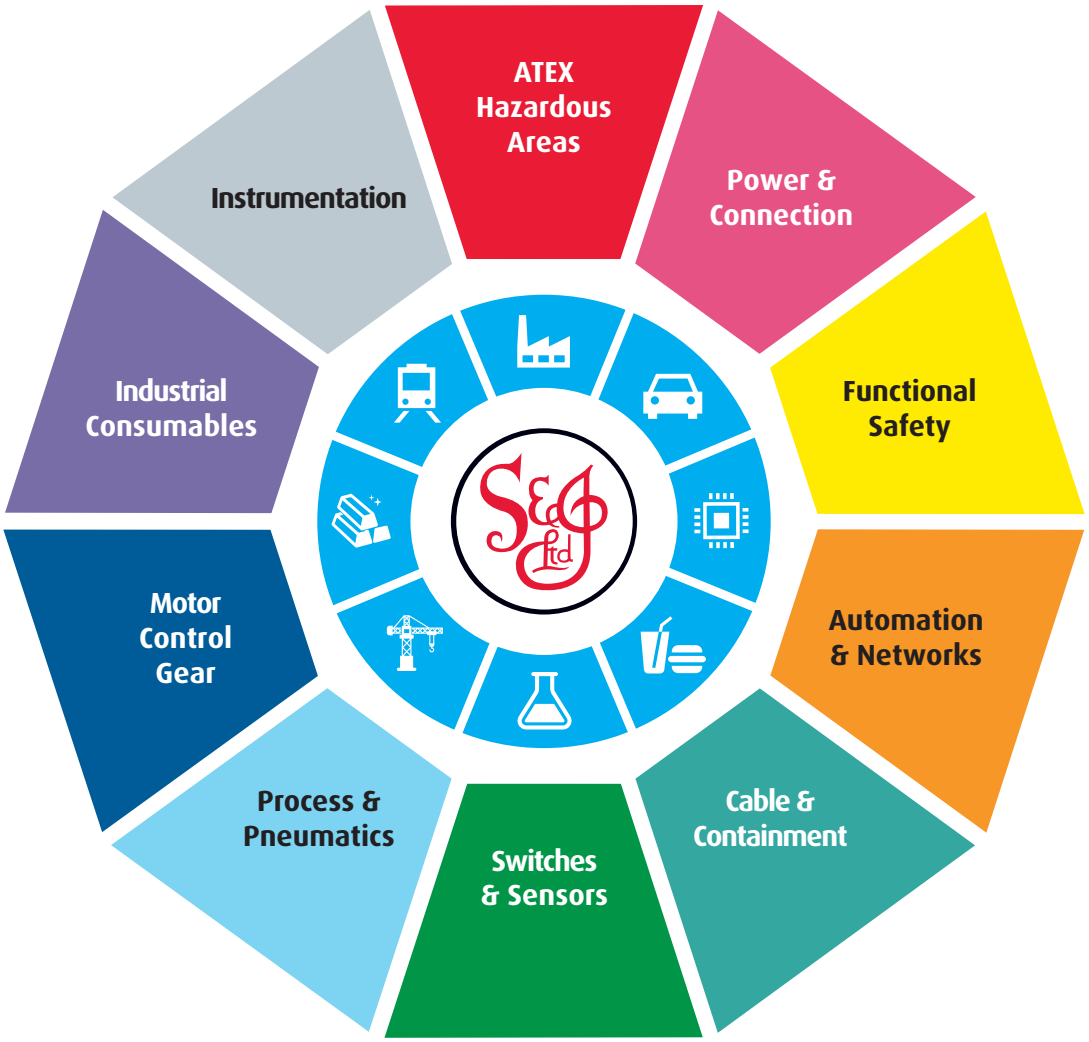


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