

Filterfan PF 5.000, PF 6.000, PF 7.000

**Cutout
compatible with
DTFI cooling unit
(see page 24)**



PF 5.000

For larger switchgear installations with higher demands for heat extraction.

PF 6.000 / PF 7.000

For large switchgear installations where extreme heat extraction is needed whilst maintaining the required I.P. protection rating.

- with integrated foamed on seal



System of protection



System of protection
(see page 108)



Click and fit!



Ausschnitt-
kompatibilität



Installation
without tools



Colour

| Airflow data | PF 5.000 | PF 6.000 | PF 7.000 |
|---|---|---|---|
| Filter material* | 150 g/m ² | 150 g/m ² | 150 g/m ² |
| Unimpeded airflow | 478 m ³ /h; 50 Hz / 550 m ³ /h; 60 Hz | 606 m ³ /h; 50 Hz / 647 m ³ /h; 60 Hz | 755 m ³ /h; 50 Hz / 830 m ³ /h; 60 Hz |
| Capacity free-flow | 159 W/K / 183 W/K | 201 W/K / 215 W/K | 245 W/K / 277 W/K |
| Airflow in combination (filterfan + exhaust filter) | 368 m ³ /h; 50 Hz / 423 m ³ /h; 60 Hz (PF 5.000 + PFA 6.000) | 437 m ³ /h; 50 Hz / 476 m ³ /h; 60 Hz (PF 6.000 + PFA 6.000) | 545 m ³ /h; 50 Hz / 626 m ³ /h; 60 Hz (PF 7.000 + PFA 6.000) |
| Capacity in combination (filterfan + exhaust filter) | 122 W/K / 141 W/K (PF 5.000 + PFA 6.000) | 145 W/K / 155 W/K (PF 6.000 + PFA 6.000) | 175 W/K / 202 W/K (PF 7.000 + PFA 6.000) |
| Max. static pressure (Airflow = 0 m ³ /h) | 202 Pa | 243 Pa | 158 Pa |
| Filtration efficiency | 73% | | |
| Filter material grade (DIN EN 779) | G 2 | | |
| Noise level (DIN 45 635) | 69 dB (A) | 71 dB (A) | 72 dB (A) |
| Duty cycle | 100% | | |

* standard filter mat 150 g/m² (alternative filter mat in 350 g/m², 500 g/m²)

| Technical data | PF 5.000 | PF 6.000 | PF 7.000 |
|---|--|-----------------|-----------------|
| Outside dimensions in mm (Height x Width x Installation depth) | 325 x 325 x 157 | 325 x 325 x 158 | 325 x 325 x 117 |
| Bearing type | ball bearings | | |
| Fitting position | any, horizontal airflow preferred | | |
| Construction | housing and guard of sprayed thermoplastic (ABS-FR) self-extinguishing, UL94 VO | | |
| Weight | 3,0 kg | 3,5 kg | 3,55 kg |
| Safety protection | according to EN 60529 | | |
| Colour | RAL 7035, RAL 7032, other colours available on request | | |
| Type of connection | terminal strip | | |

| Electrical data | AC 50Hz/60Hz | | | | | | | | |
|-------------------|-----------------|-----------------|------------------|-----------------|----------------|-----------------|----------------|------------------|--|
| | PF 5.000 | | PF 6.000 | | | PF 7.000 | | | |
| Rated voltage | 230 V | 115 V | 400 V / 3 phases | 230 V | 115 V | 230 V | 115 V | 400 V / 3 phases | |
| Voltage range | 190 V ... 253 V | 103 V ... 127 V | 360 V ... 440 V | 190 V ... 253 V | 97 V ... 127 V | 190 V ... 253 V | 97 V ... 127 V | 360 V ... 440 V | |
| Power consumption | 74 W | 82 W | 110 W / 160 W | 165 W | 110 W / 155 W | 135 W / 195 W | 120 W / 165 W | 106 W / 145 W | |

We reserve the right to technical alterations. Subject to correction. 075000053