

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

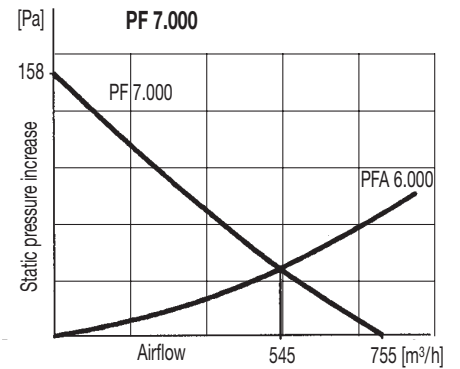
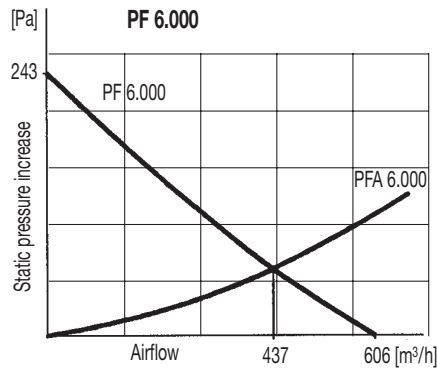
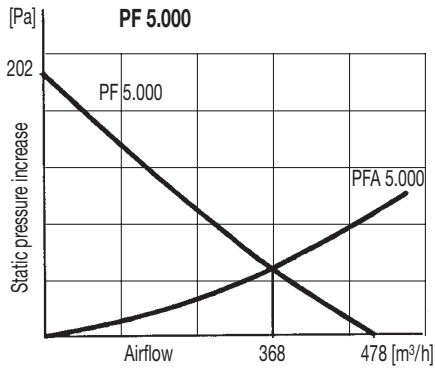
Airflow data	PF 5.000	PF 6.000	PF 7.000
Filter material*	150 g/m ²	150 g/m ²	150 g/m ²
Unimpeded airflow	478 m ³ /h; 50 Hz / 550 m ³ /h; 60 Hz	606 m ³ /h; 50 Hz / 647 m ³ /h; 60 Hz	755 m ³ /h; 50 Hz / 830 m ³ /h; 60 Hz
Capacity free-flow	159 W/K / 183 W/K	201 W/K / 215 W/K	245 W/K / 277 W/K
Airflow in 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)

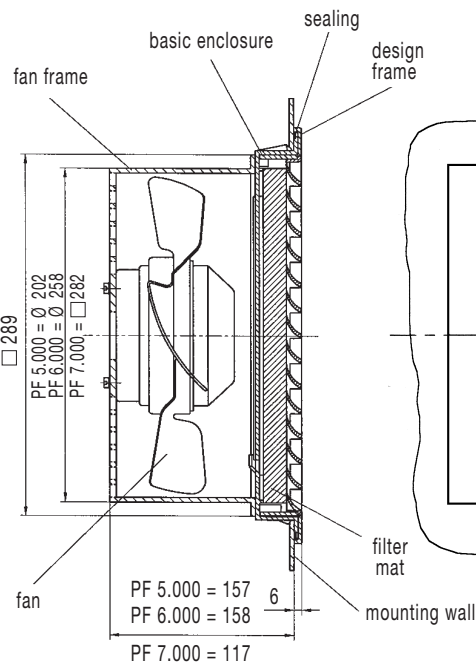
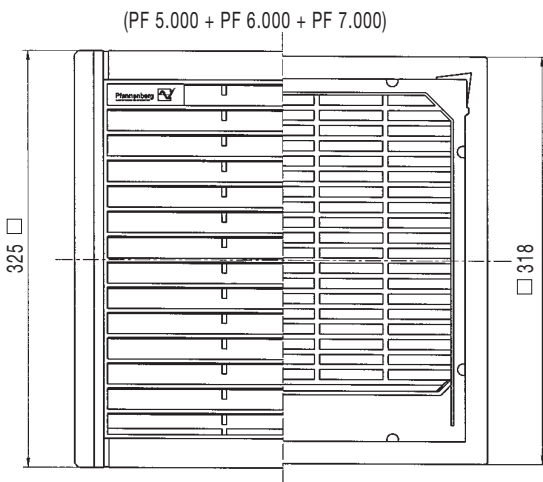
Technical data	PF 5.000	PF 6.000	PF 7.000
Outside dimensions in mm (Height x Width x Installation depth)	325 x 325 x 157	325 x 325 x 158	325 x 325 x 117
Bearing type	ball bearings		
Fitting position	any, horizontal airflow preferred		
Construction	housing and guard of sprayed thermoplastic (ABS-FR) self-extinguishing, 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	

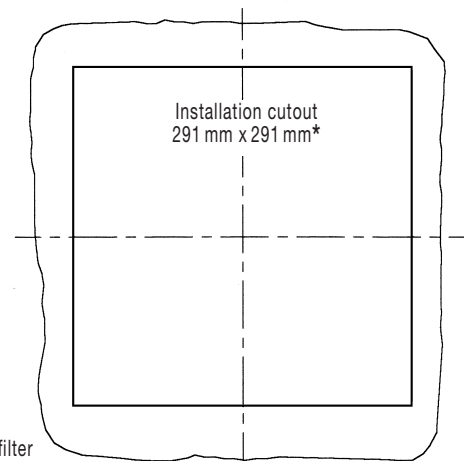
Airflow data:



Mechanical data:



Installation cutout



Supplementary data	PF 5.000	PF 6.000	PF 7.000
Climatic data			
Operating temperature		-10 °C to +55 °C	
Storage temperature		-20 °C to +70 °C	
Max. relative humidity		90%	
System of protection	IP 54 (EN 60 529), when used as recommended, not for outdoor-application		
Basic parts kit	standard filter, mounting- and user manual		
Accessories	radiant heater, fan heater, thermostat, see Thermal Management		
* Tolerance installation cutout	291 ± ₀ ⁺¹ thickness of material to 2 mm 292 ± ₀ ⁺¹ thickness of material > 2 mm ≤ 3 mm		
Approvals	UL approval see overview filterfans		