

Filterfan® PF 2.500, PF 3.000



PF 2.500

For medium range applications in plant and machine equipment.

PF 3.000

The same size PF 2.500 but with a more powerful fan.

- with integrated foamed on seal (PF 2.500, PF 3.000)



System of protection



System of protection (see page 92)



Germanischer Lloyd (PF 3000)



Installation without tools



Colour

Airflow data:	PF 2.500	PF 3.000
Filter material*	150 g/m ²	150 g/m ²
Unimpeded airflow	155 m ³ /h; 50 Hz / 170 m ³ /h; 60 Hz	255 m ³ /h; 50 Hz / 292 m ³ /h; 60 Hz
Capacity free-flow	52 W/K / 57 W/K	85 W/K / 97 W/K
Airflow in combination (Filterfan® + Exhaust Filter)	108 m ³ /h; 50 Hz / 118 m ³ /h; 60 Hz (PF 2.500 + PFA 3.000)	231 m ³ /h; 50 Hz / 265 m ³ /h; 60 Hz (PF 3.000 + PFA 3.000)
Capacity in combination (Filterfan® + Exhaust Filter)	36 W/K / 39 W/K (PF 3.000 + PFA 3.000)	77 W/K / 88 W/K (PF 3.000 + PFA 3.000)
Max. static pressure (Airflow = 0 m ³ /h)	62 Pa	115 Pa
Filtration efficiency	73%	
Filter material grade (DIN EN 779)	G 2	
Noise level (DIN 45 635)	53 dB(A)	55 dB(A)
Duty cycle	100%	

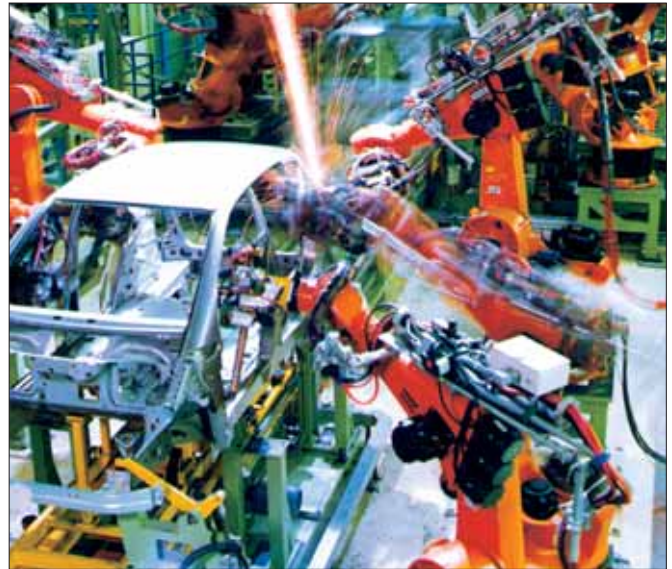
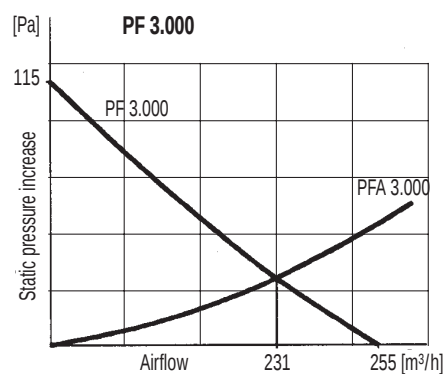
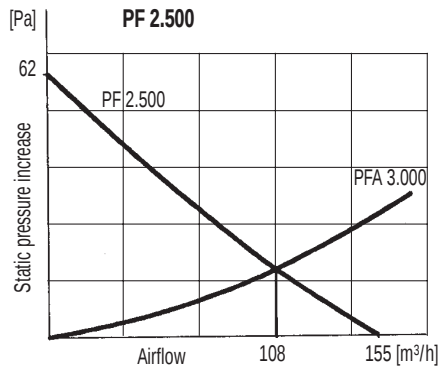
* standard filter mat 150 g/m² (alternative filter mat in 350 g/m², 500 g/m²)

Technical data:	PF 2.500 AC/DC	AC	PF 3.000 DC
Outside dimensions in mm (Height x Width x Installation depth)	250 x 250 x 111	250 x 250 x 121	
Bearing type	ball bearings		
Fitting position	any, horizontal airflow preferred		
Construction	housing and guard of sprayed thermoplastic (ABS-FR) self-extinguishing, UL 94 VO		
Weight	1,75 kg	1,75 kg	1,50 kg
Safety protection	in accordance with DIN 31001		
Colour	RAL 7035, RAL 7032 or black, other colours on request		
Connections	terminal strip		

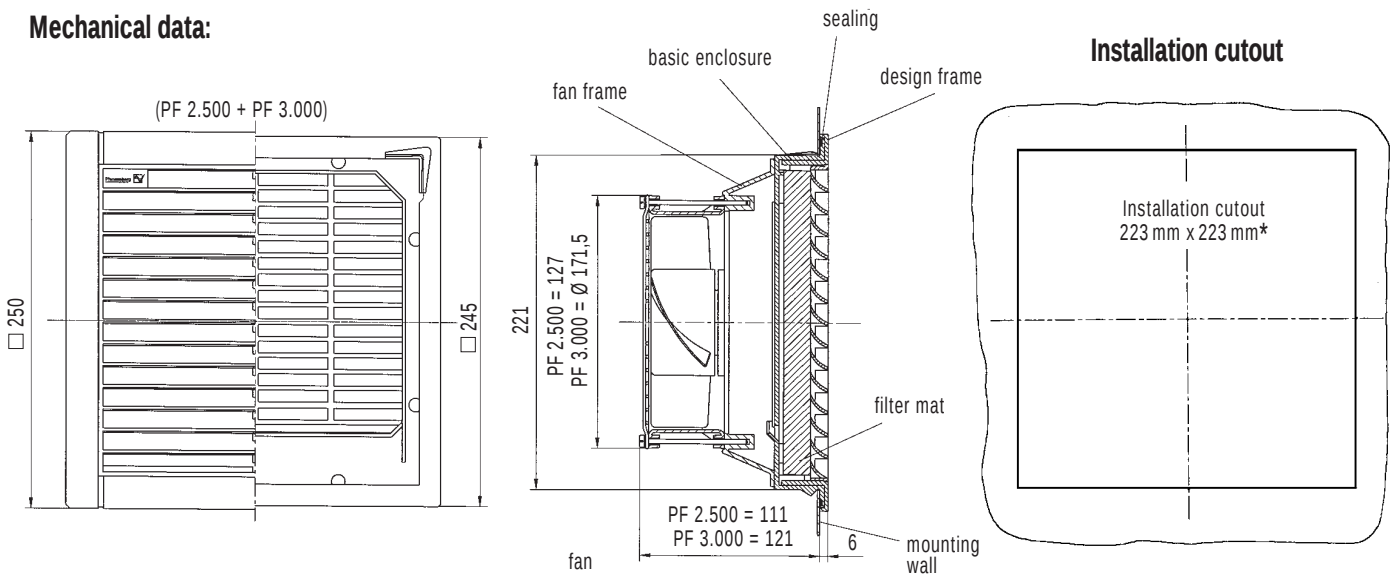
Electrical data:	PF 2.500					
	AC 50 Hz/60Hz			DC		
Rated voltage	230V	115V		12V	24V	48V
Range of operation	187V ... 253V	97V ... 127V		8V ... 14V	18V ... 30V	36V ... 56V
Power consumption	18W / 17W	18W / 17W		5W	4,7W	4,6W
	PF 3.000					
	AC 50 Hz/60Hz			DC		
Rated voltage	400V / 440V	230V	115V	12V	24V	48V
Range of operation	369V ... 484V	187V ... 253V	97V ... 127V	8V ... 15V	18V ... 30V	36V ... 56V
Power consumption	41W / 38W	45W / 39W	40W	12W	18W	17W

We reserve the right to technical alterations. Subject to correction. 075000031

Airflow data:



Mechanical data:



Supplementary data:	AC	DC
Climatic data		
Operating temperature	-10 °C (+ 14 °F) to +55 °C (+ 131 °F)	-20 °C (- 4 °F) to +55 °C (+ 131 °F)
Storage temperature	-20 °C (- 4 °F) to +70 °C (+ 158 °F)	
Max. relative humidity	90%	
System of protection	IP54 (EN 60529), when installed as specified, not for outdoor-application	
Basic parts kit	standard filter, mounting- and user manual	
Accessories	radiant heater, fan heater, thermostat, see Thermal Management	
Approvals	PF 3.000 Germanischer Lloyd (GL), UL approval see overview filter fans	
* Tolerance installation cutout	223 $\pm \frac{1}{0}$ thickness of material to 2 mm 224 $\pm \frac{1}{0}$ thickness of material > 2 mm ≤ 3 mm	