

PF 42.500

Filterfan

PFA 40.000

Exhaust filter



- Installation size 4, air flow rate up to 171 m³/h
- Two performance classes, cut-out compatible
- System of protection IP 54 and IP 55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP 55 version)
- Cut-out compatible with installation size 4 from the 3rd Generation (see page 150)

Data	PF 42.500					Unit	
Article number	IP 54	11642101055	11642151055	11642851055	11642801055	11642701055	
	IP 55	11642103055	11642153055	11642853055	11642803055	11642703055	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz			DC		V	
		230	115	12	24		48
Unimpeded airflow	IP 54	156 / 171					m ³ /h
	IP 55	145 / 160					
Air flow rate in combination (PF + PFA 40.000)	IP 54	116 / 127					
	IP 55	109 / 113					
Power consumption		18 / 17	18 / 17	6	4.7	4.6	W
Current consumption		0.12 / 0.1	0.25 / 0.25	0.5	0.2	0.1	A
Noise level (according to EN ISO 3741)	IP 54	40 / 43					dB(A)
	IP 55	40					
Weight		1.18			0.92		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	IP 54	88					%
	IP 55	91					
Filter mat quality class ¹	IP 54	G 3					
	IP 55	G 4					
Duty cycle	100						%
Bearing type	ball bearing						
Service life L ₁₀ (+ 40 °C) ²		40000	42500	57500	70000		h
Temperature range	- 15 ... + 55 / + 5 ... + 131						°C / °F
Design (housing and protection against accidental contact)	IP 54	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO					
	IP 55	additional: UV-resistant					
Colour	RAL 7035 ³						
Accessories	Piece	Article number			Information on page		
Exhaust filter PFA 40.000	IP 54	1	11740001055			149	
	IP 55	1	11740003055			149	
Thermostat	1	17121000000			149		

¹ according to DIN EN 779

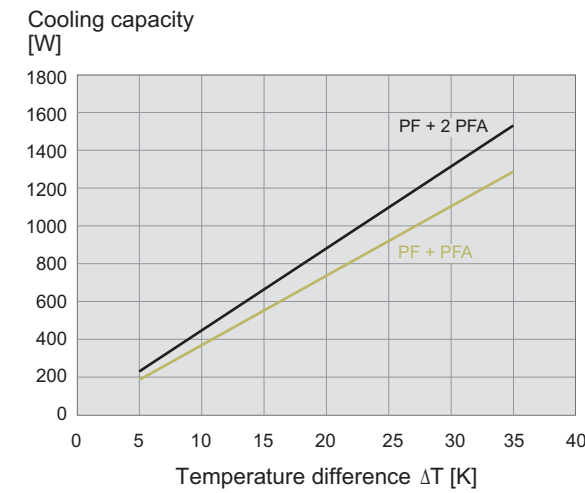
² fan failure is defined as being when the current and speed deviate or the operating noises are out of the ordinary

³ different colours available on request

Approvals see page 111

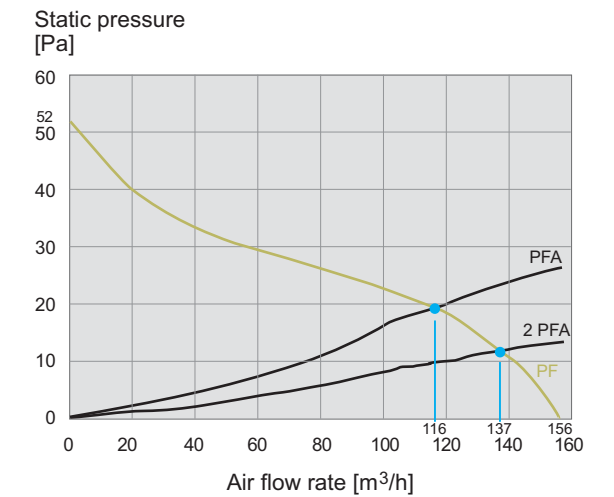
Cooling capacity performance curve

PF 42.500 IP 54

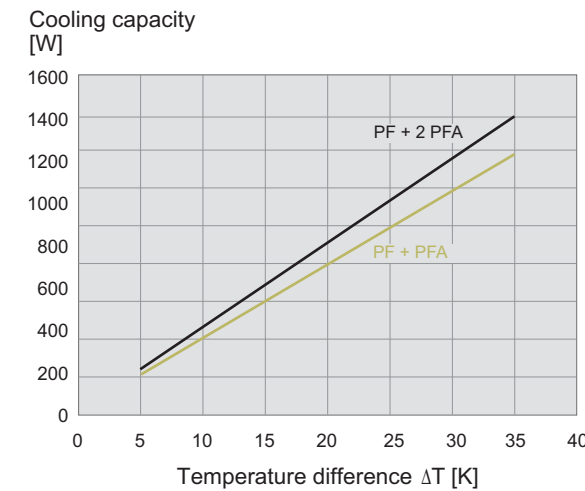


Static pressure performance curves

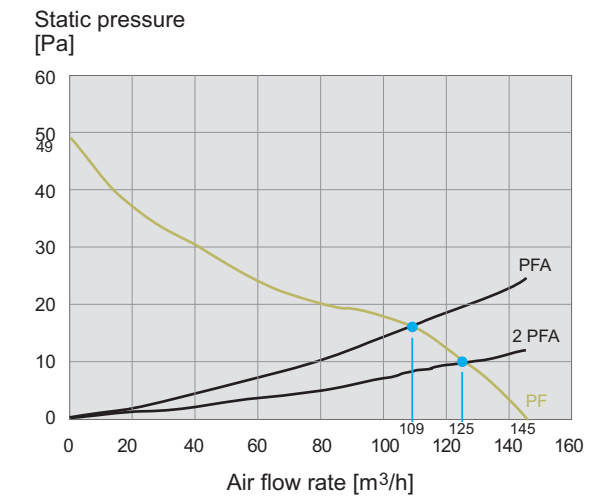
PF 42.500 IP 54



PF 42.500 IP 55



PF 42.500 IP 55



Dimensions

mm	PF 42.500	PFA 40.000
X	252	252
Y	252	252
Z1	6	6
Z2	97	38
A ¹	223	223
B ¹	223	223

¹ for material thicknesses up to 2 mm
+1 mm for thickness of material > 2 mm ≤ 3 mm

