

ECOOL Filterfan
PF 42.500
ECOOL Exhaust filter
PFA 40.000



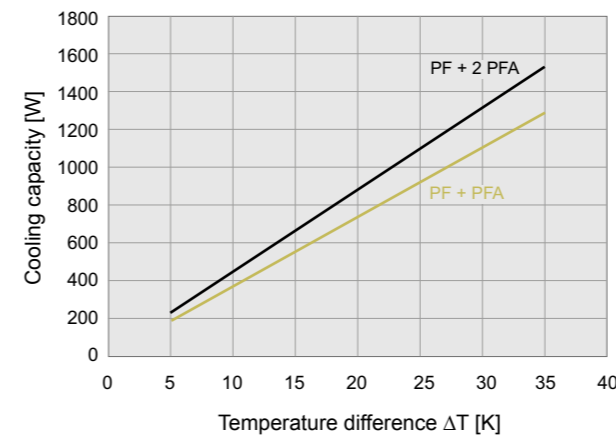
- installation size 4, air flow rate up to 171 m³/h
- two performance classes, cut-out compatible
- system of protection IP 54 and IP 55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP 55 version)
- cut-out compatible with installation size 4 from the 3rd Generation

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 / 60 Hz			DC			V
		230	115	12	24	48	
Unimpeded airflow	IP 54	156 / 171					m³/h
	IP 55	145 / 160					
Airflow 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 according to EN 779	IP 54	G 3					
	IP 55	G 4					
Duty cycle		100					%
Bearing type	ball bearing						
Service life L ₁₀ (+ 40 °C) ¹		40,000	42,500	57,500	70,000		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 VO					
	IP 55	additional: UV-resistant					
Colour	RAL 7035, different colours available on request						
Accessories	Piece	Article number				Information on page	
Exhaust filter PFA 40.000	IP 54	1	11740001055			224	
	IP 55	1	11740003055			224	
Thermostat	1	17121000000			244/246		

¹ fan failure is defined as being when the current and speed deviate or the operating noises are out of the ordinary
 Approvals see page 183

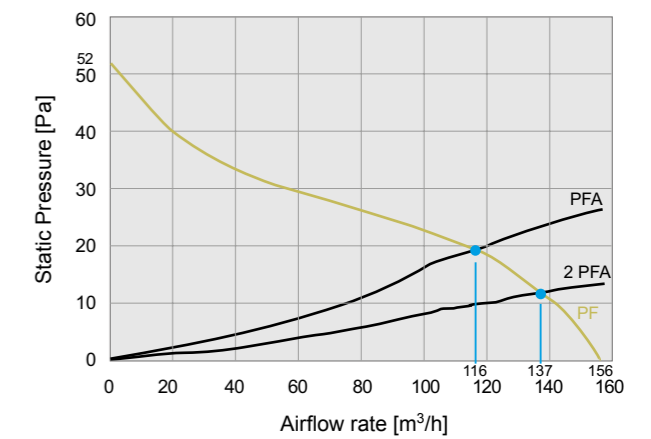
Cooling capacity performance curves

PF 42.500 IP 54

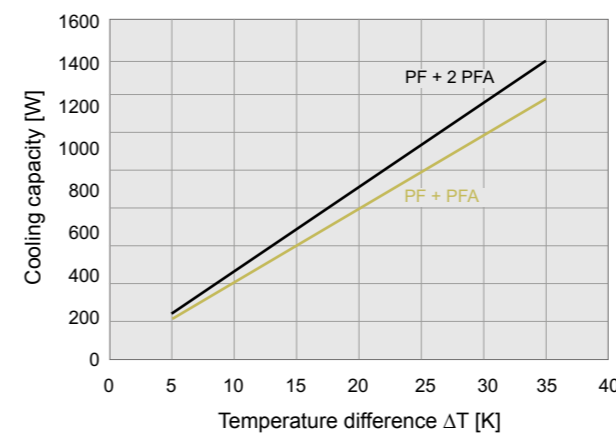


Static pressure performance curves

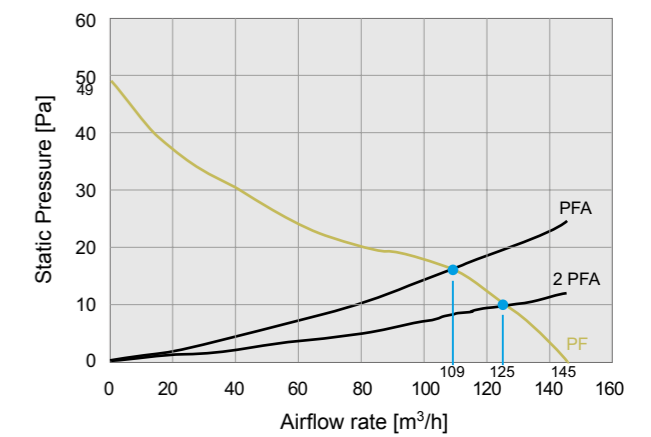
PF 42.500 IP 54



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

