PF 42.500 EMC I PFA 40.000 EMC
FILTERFAN I EXHAUST FILTER 125–160 m³/h

- installation size 4, air flow rate up to 160 m³/h
- two performance classes, cut-out compatible
- secure contact due to improved contact springs on the screen grid
- system of protection IP54 and IP55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP55 version)
- cut-out compatible to installation size 4 of the 3rd and 4th Generation



PRODUCT		PF 42.500 EMC					
ARTICLE NO.	IP54	11842101055	11842151055	11842851055	11842801055	11842701055	Unit
ARTICLE NO.	IP55	11842103055	11842153055	11842853055	11842803055	11842703055	
DATA							
Rated voltage ±10 %		AC 50 I 60 Hz		DC			
		230	115	12	24	48	V
Unimpeded airflow	IP54	125 I 138		125			m³/h
	IP55	145 I 160		145			
Airflow rate in comb. with exhaust filter	IP54	93 I 102		93			
	IP55	109 I 113		109			
Power consumption		28 I 29	30 I 31	6	5.9	4.6	W
Current consumption		0.12 I 0.13	0.26 I 0.27	0.5	0.25	0.1	A
Noise level according to EN ISO 3741		55 I 58		40			dB (A)
Weight		1.51		1.08	0.8	1.08	kg
Type of connection		spring-type terminal					
Fuse		6					A
System of protection according to EN 60529 / UL 50	IP54	NEMA type 12 - standard filter					
	IP55	NEMA type 12 - fluted filter					
Filtration efficiency	IP54	88					%
	IP55	91					
Filter mat quality class according to EN 779	IP54	G 4					
	IP55	G 4					
Duty cycle		100					%
Bearing type		ball bearing					
Service life L_{10} (+ 40 °C)[1]		50000		57500		70000	h
Temperature range		–20 … +55 I –4 … +131		–40 … +55 I –40 … +131			°C I °F
Design (housing and protection against accidental contact)	IP54	made of injection-moulded thermoplastic, self-extinguishing, UL 94 V0					
	IP55	additional: UV-resistant					
EMC screen		stainless steel					
Colour		RAL 7035 I different colours available on request					

ACCESSORIES		ARTICLE NUMBER
Exhaust filter		11940001055
Spare filter mats	5 pieces	IP54: 18611600032; IP55: 18611600036
Thermostat		17121000000
Hygrostat		17207000000
Rainhood in stainless steel		18102000017

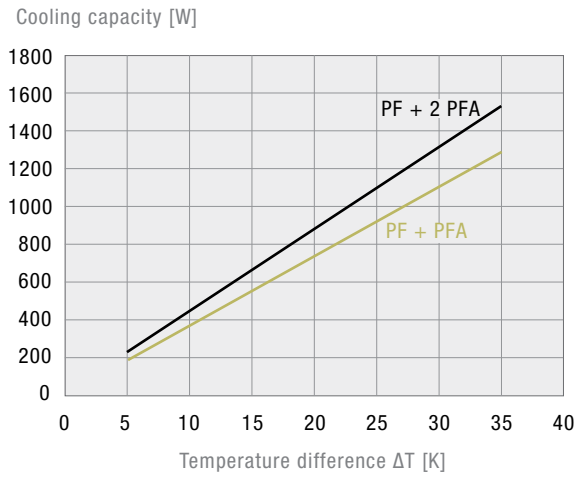
For additional models, options and voltages visit www.pfannenberg.com or contact us directly.

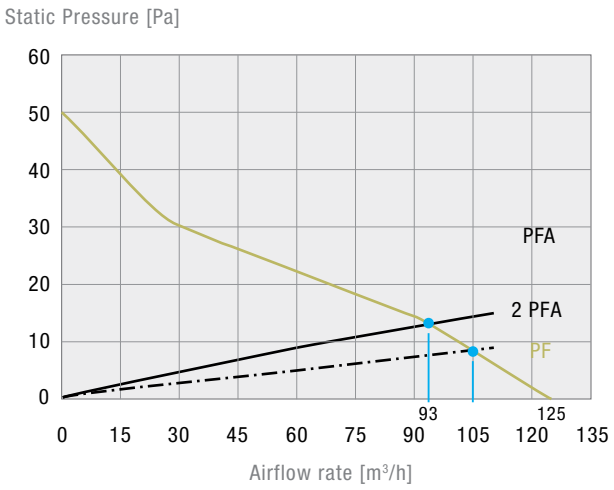
[1] fan failure is defined as being when the current and speed deviate or the operating noises are out of the ordinary

Cooling capacity performance curves

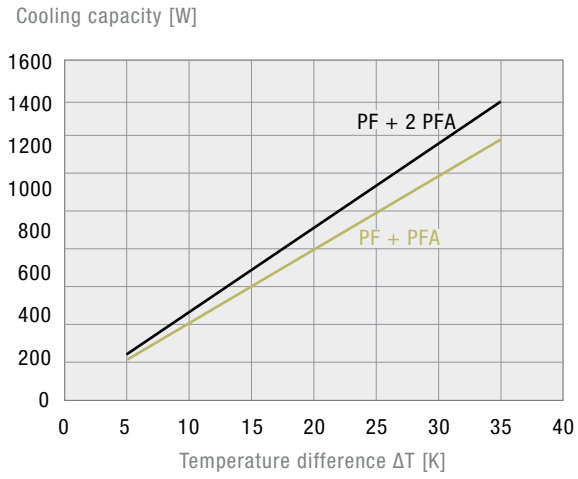
Static pressure performance curve

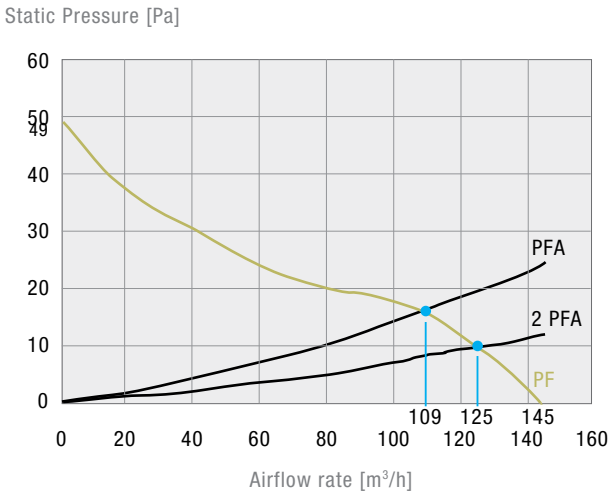
PF 42.500 EMC IP54





PF 42.500 EMC IP55





Dimensions

mm	PF 42.500 EMC	PFA 40.000 EMC
X	252	252
Y	252	252
Z1	6	6
Z2	97	38
A	224	224
B	224	224

