

Filterfan

PF 11.000

Exhaust filter

PFA 10.000



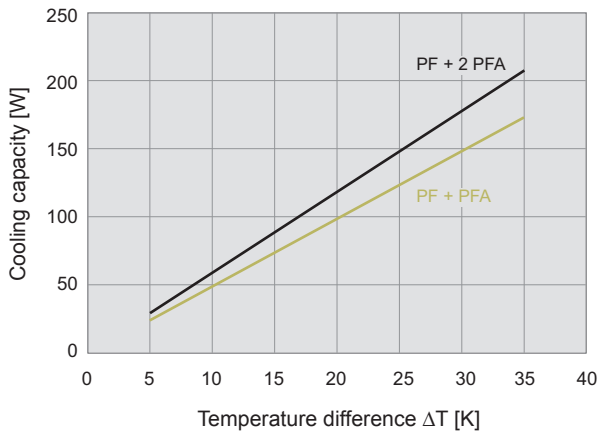
- installation size 1, air flow rate up to 29 m³/h
- system of protection IP 54, NEMA type 12
- UL, cUL approval
- cut-out compatible with installation size 1 from the 3rd Generation

Data		PF 11.000					Unit
Article number	IP 54	11611101055	11611151055	11611851055	11611801055	11611701055	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz			DC			V
	230	115	12	24	48		
Unimpeded airflow	25 / 29					m ³ /h	
Airflow rate in combination (PF + PFA 10.000)	16 / 18						
Power consumption	12 / 11	12 / 11	2.4	2.4	2.6	W	
Current consumption	0.07 / 0.06	0.15 / 0.15	0.2	0.1	0.05	A	
Noise level (according to EN ISO 3741)	33 / 33			33			dB (A)
Weight	0.55			0.16			kg
Type of connection	cable, 2-core, length 310 mm						
Fuse	6						A
System of protection according to EN 60529 / UL 50	NEMA type 12 - standard filter						
Filtration efficiency	88						%
Filter mat quality class according to EN 779	G 3						
Duty cycle	100						%
Bearing type	sleeve bearing			ball bearing			
Service life L ₁₀ (+ 40 °C) ¹	52500	55000	70000				h
Temperature range	- 15 ... + 55 / + 5 ... + 131						°C / °F
Design (housing and protection against accidental contact)	made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO						
Colour	RAL 7035, different colours available on request						
Accessories		Piece	Article number			Information on page	
Exhaust filter PFA 10.000	IP 54	1	11710001055			170	
Thermostat		1	17121000000			188/190	

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 129

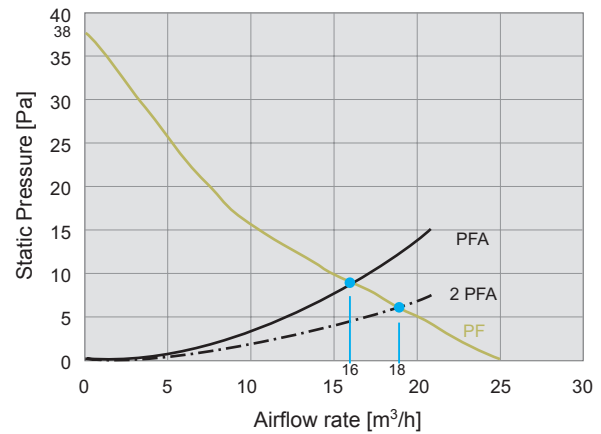
Cooling capacity performance curves

PF 11.000



Static pressure performance curves

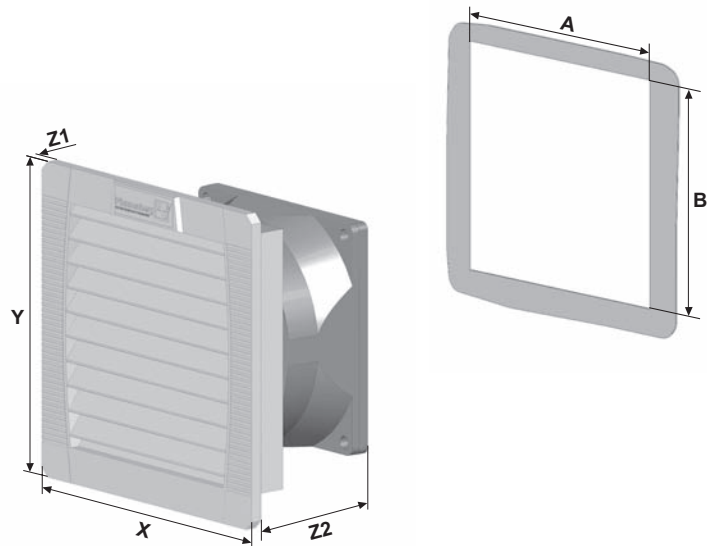
PF 11.000



Dimensions

mm	PF 11.000		PFA 10.000
	AC	DC	
X	109	109	109
Y	109	109	109
Z1	4	4	4
Z2	62	49	19
A ¹	92	92	92
B ¹	92	92	92

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



Filterfan

PF 22.000

Exhaust filter

PFA 20.000



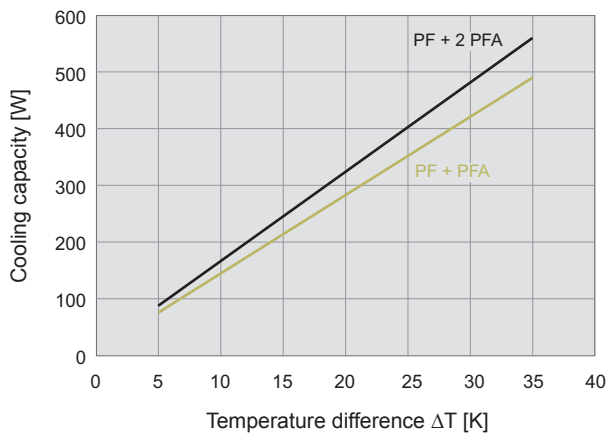
- installation size 2, air flow rate up to 70 m³/h
- system of protection IP 54 and IP 55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP 55 version)
- cut-out compatible with installation size 2 from the 3rd Generation

Data		PF 22.000					Unit
Article number	IP 54	11622101055	11622151055	11622851055	11622801055	11622701055	
	IP 55	11622103055	11622153055	11622853055	11622803055	11622703055	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz			DC			V
		230	115	12	24	48	
Unimpeded airflow	IP 54	61 / 70					m ³ /h
	IP 55	56 / 64					
Airflow rate in combination (PF + PFA 20.000)	IP 54	44 / 52					
	IP 55	40 / 46					
Power consumption		19 / 18	20 / 20	5	5	5	W
Current consumption		0.12 / 0.18	0.24 / 0.23	0.42	0.21	0.1	A
Noise level (according to EN ISO 3741)	IP 54	44 / 44			44		dB (A)
	IP 55						
Weight		0.7			0.44		kg
Type of connection		terminal strip			cable, 2-core, length 310 mm		
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		sleeve bearing			ball bearing		
Service life L ₁₀ (+ 40 °C) ¹		37500	40000	62500			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, different colours available on request					
Accessories		Piece	Article number			Information on page	
Exhaust filter PFA 20.000	IP 54	1	11720001055			170	
	IP 55	1	11720003055			170	
Thermostat		1	17121000000			188/190	

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 129

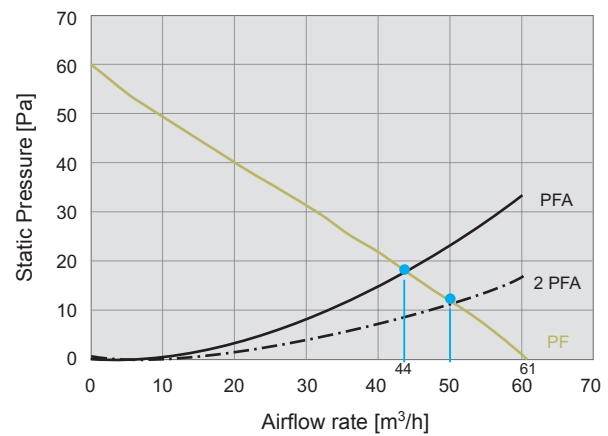
Cooling capacity performance curves

PF 22.000 IP 54

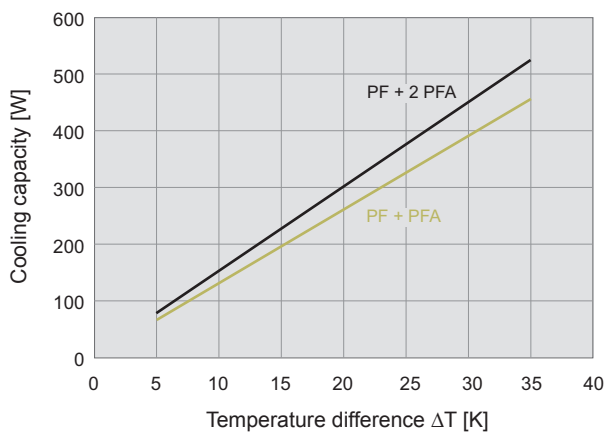


Static pressure performance curves

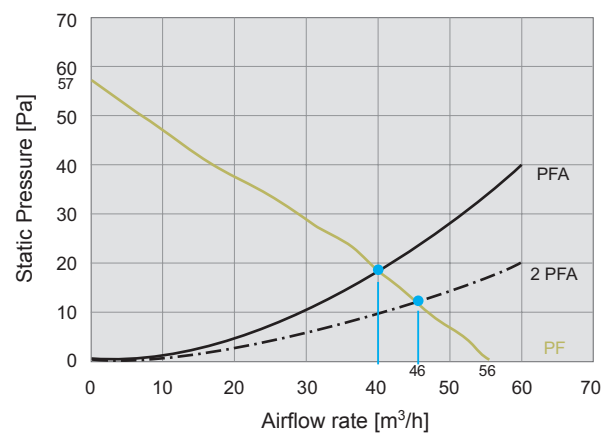
PF 22.000 IP 54



PF 22.000 IP 55



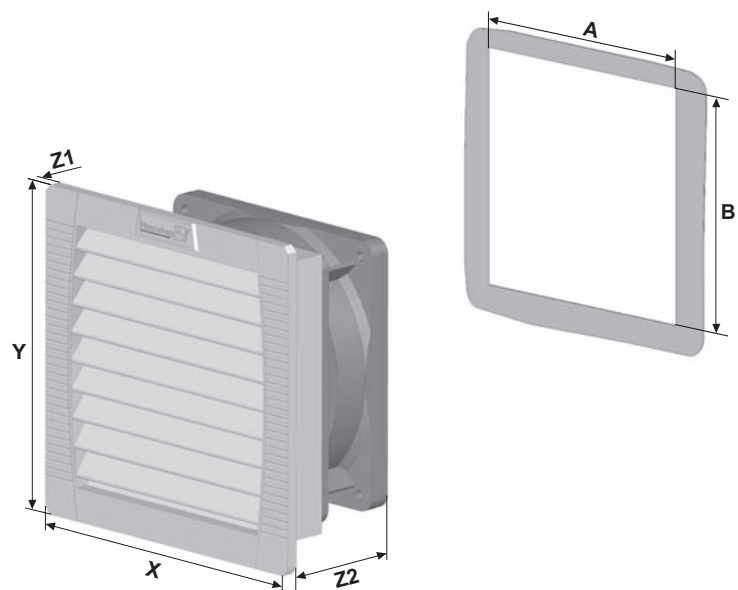
PF 22.000 IP 55



Dimensions

mm	PF 22.000		PFA 20.000
	AC	DC	
X	145	145	145
Y	145	145	145
Z1	5	5	5
Z2	70	64	26
A ¹	125	125	125
B ¹	125	125	125

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



Filterfan

PF 32.000

Exhaust filter

PFA 30.000



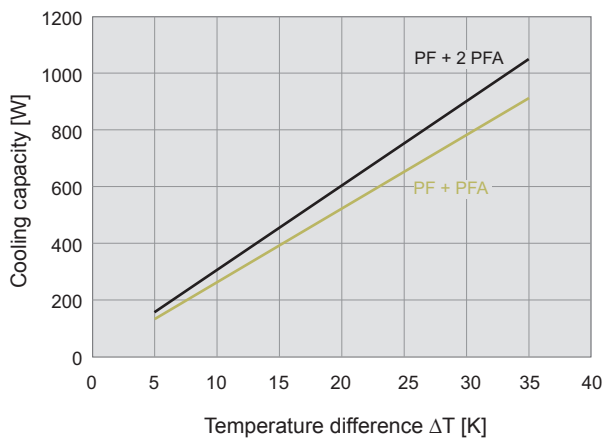
- installation size 3, air flow rate up to 125 m³/h
- system of protection IP 54 and IP 55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP 55 version)

Data		PF 32.000					Unit
Article number	IP 54	11632101055	11632151055	11632851055	11632801055	11632701055	
	IP 55	11632103055	11632153055	11632853055	11632803055	11632703055	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz			DC			V
		230	115	12	24	48	
Unimpeded airflow	IP 54	110 / 125					m ³ /h
	IP 55	100 / 110					
Airflow rate in combination (PF + PFA 30.000)	IP 54	82 / 93					
	IP 55	55 / 64					
Power consumption		19 / 18	20 / 20	5	5	5	W
Current consumption		0.12 / 0.18	0.24 / 0.23	0.42	0.21	0.1	A
Noise level (according to EN ISO 3741)	IP 54	40 / 40			40		dB (A)
	IP 55						
Weight		0.87			0.61		kg
Type of connection		terminal strip		cable, 2-core, length 310 mm			
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		sleeve bearing		ball bearing			
Service life L ₁₀ (+ 40 °C) ¹		37500	40000	62500			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, different colours available on request					
Accessories		Piece	Article number			Information on page	
Exhaust filter PFA 30.000	IP 54	1	11730001055			170	
	IP 55	1	11730003055			170	
Thermostat		1	17121000000			188/190	

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 129

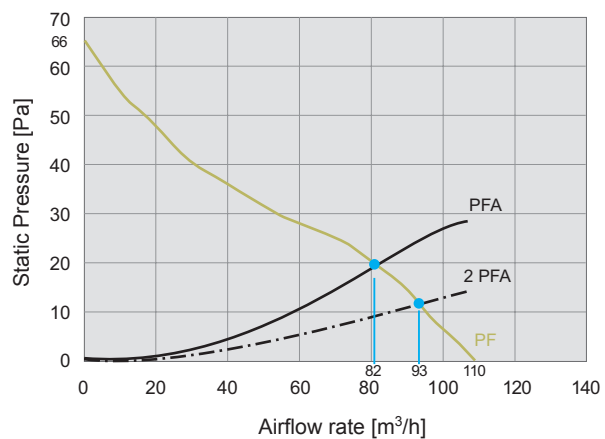
Cooling capacity performance curves

PF 32.000 IP 54

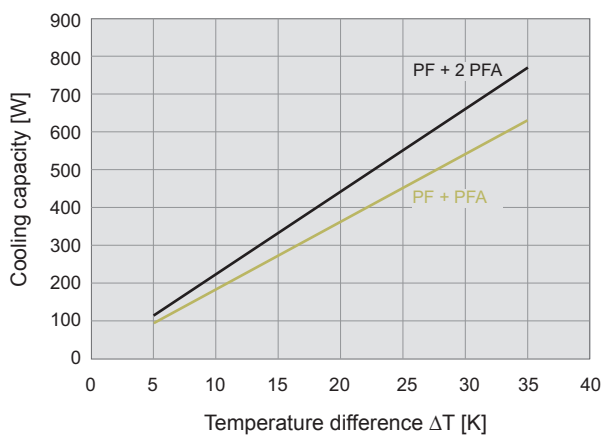


Static pressure performance curves

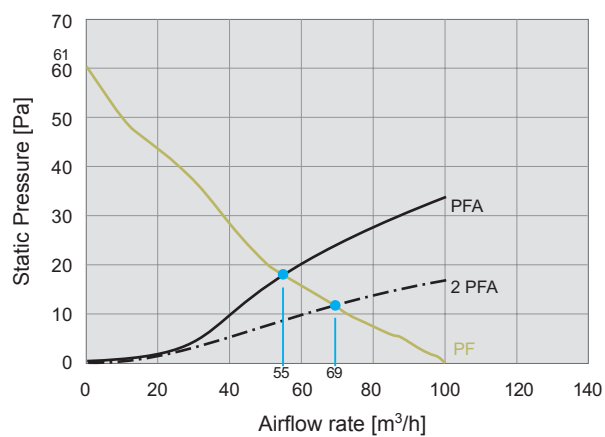
PF 32.000 IP 54



PF 32.000 IP 55



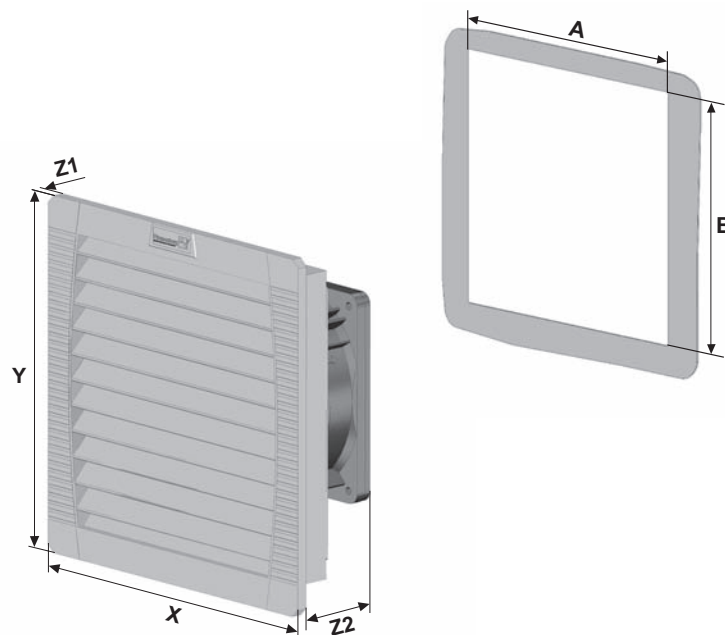
PF 32.000 IP 55



Dimensions

mm	PF 32.000		PFA 30.000
	AC	DC	
X	202	202	202
Y	202	202	202
Z1	6	6	6
Z2	87	81	34
A ¹	177	177	177
B ¹	177	177	177

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



Filterfan

PF 42.500

Exhaust filter

PFA 40.000



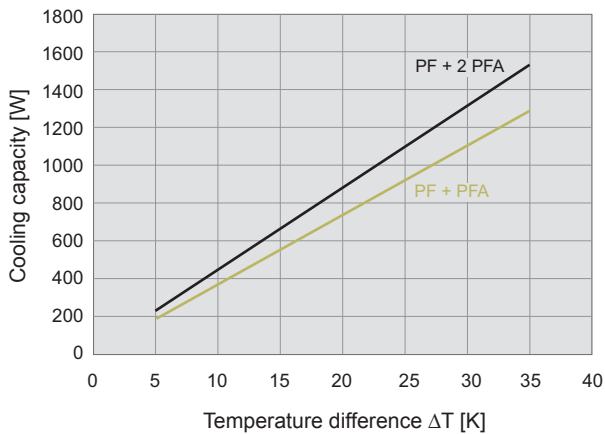
- installation size 4, air flow rate up to 171 m³/h
- two performance classes, cut-out compatible
- system of protection IP 54 and IP 55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP 55 version)
- cut-out compatible with installation size 4 from the 3rd Generation

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 Hz / 60 Hz			DC			V
		230	115	12	24	48	
Unimpeded airflow	IP 54	156 / 171					m ³ /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			40		dB (A)
	IP 55						
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		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, different colours available on request						
Accessories		Piece	Article number			Information on page	
Exhaust filter PFA 40.000	IP 54	1	11740001055			170	
	IP 55	1	11740003055			170	
Thermostat		1	17121000000			188/190	

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 129

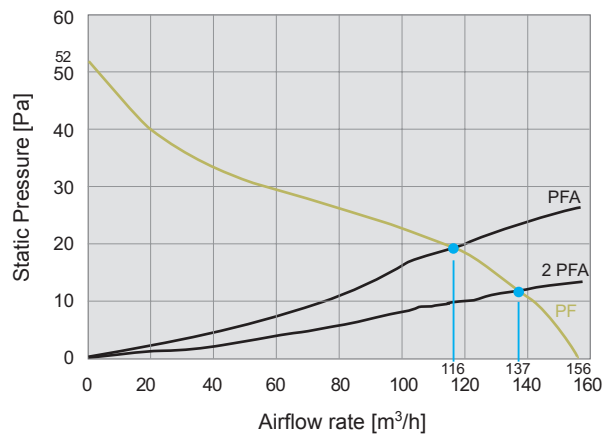
Cooling capacity performance curves

PF 42.500 IP 54

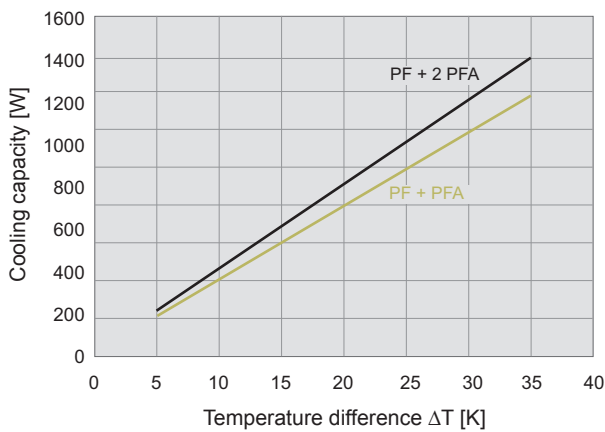


Static pressure performance curves

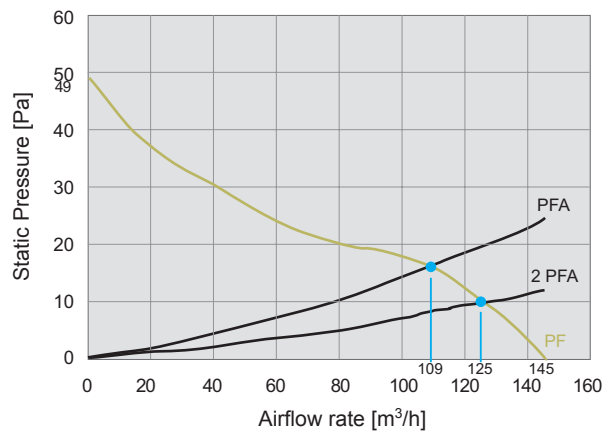
PF 42.500 IP 54



PF 42.500 IP 55



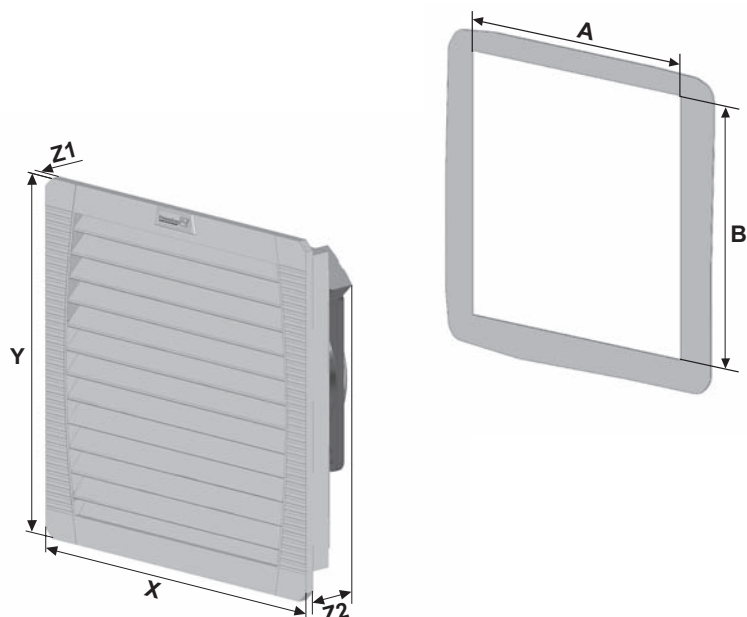
PF 42.500 IP 55



Dimensions

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

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



Filterfan

PF 43.000

Exhaust filter

PFA 40.000



- installation size 4, air flow rate up to 292 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

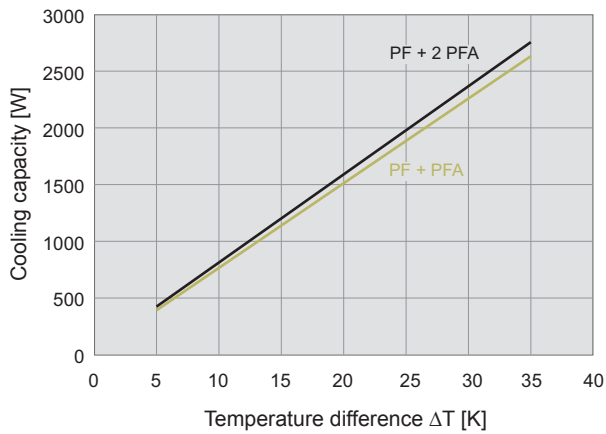
Data		PF 43.000					Unit
Article number	IP 54	11643101055	11643151055	11643851055	11643801055	11643701055	
	IP 55	11643103055	11643153055	11643853055	11643803055	11643703055	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz			DC			V
		230	115	12	24	48	
Unimpeded airflow	IP 54	256 / 292					m ³ /h
	IP 55	233 / 265					
Airflow rate in combination (PF + PFA 40.000)	IP 54	231 / 265					
	IP 55	180 / 207					
Power consumption		45 / 39	40 / 40	12	12	12	W
Current consumption		0.32 / 0.26	0.5 / 0.5	1	0.5	0.25	A
Noise level (according to EN ISO 3741)	IP 54	42 / 46			42		dB (A)
	IP 55						
Weight		1.67			1.51		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	40000			80000			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, different colours available on request						
Accessories		Piece	Article number			Information on page	
Exhaust filter PFA 40.000	IP 54	1	11740001055			170	
	IP 55	1	11740003055			170	
Thermostat		1	17121000000			188/190	

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 129

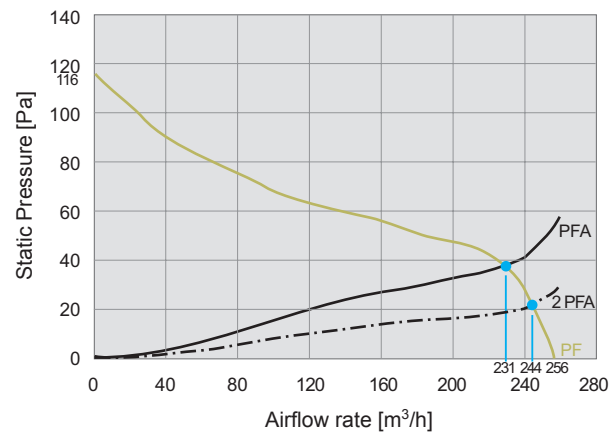
Cooling capacity performance curves

PF 43.000 IP 54

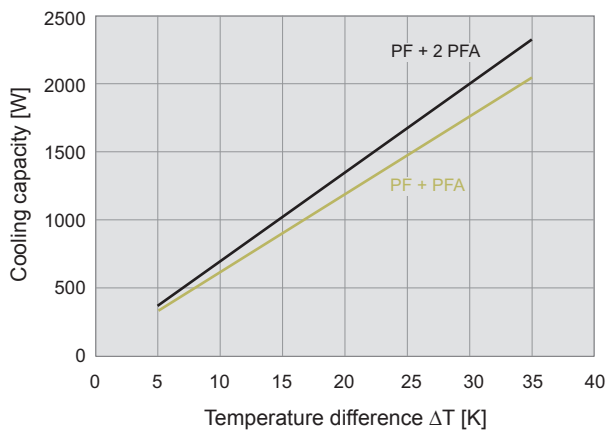


Static pressure performance curves

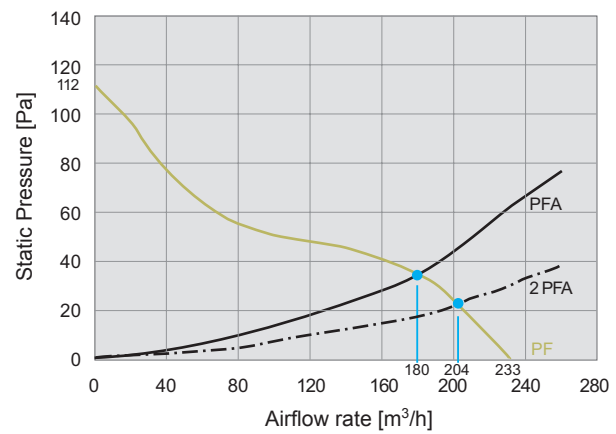
PF 43.000 IP 54



PF 43.000 IP 55



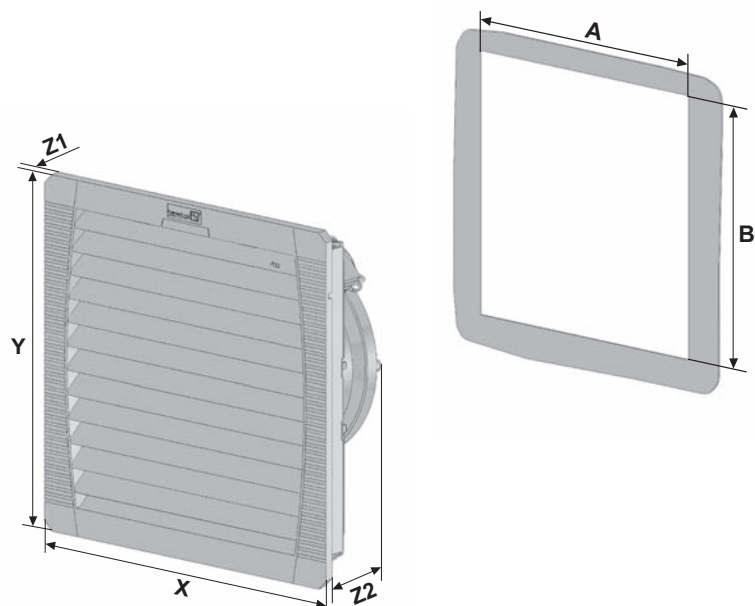
PF 43.000 IP 55



Dimensions

mm	PF 43.000		PFA 40.000
	AC	DC	
X	252	252	252
Y	252	252	252
Z1	6	6	6
Z2	113	97	38
A ¹	223	223	223
B ¹	223	223	223

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



Filterfan

PF 65.000

Exhaust filter

PFA 60.000



- installation size 6, air flow rate up to 505 m³/h
- three 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 6 from the 3rd Generation and with cooling unit DTFI 9021 (see page 36)

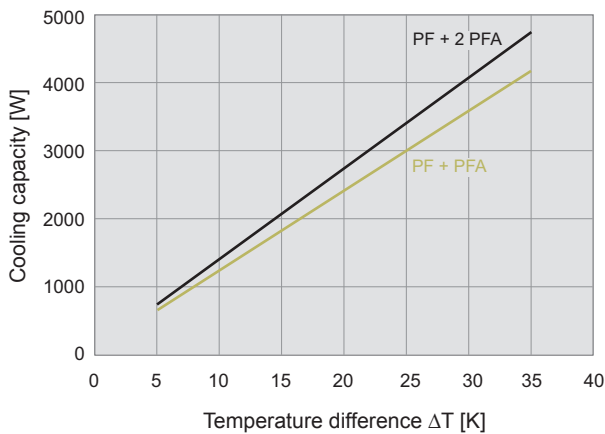
Data		PF 65.000		Unit
Article number	IP 54	11665102055	11665152055	
	IP 55	11665103055	11665153055	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz			V
		230	115	
Unimpeded airflow	IP 54	480 / 480		m ³ /h
	IP 55	505 / 505		
Airflow rate in combination (PF + PFA 60.000)	IP 54	370 / 370		
	IP 55	380 / 380		
Power consumption		65 / 80	75 / 90	W
Current consumption		0.3 / 0.36	0.66 / 0.8	A
Noise level (according to EN ISO 3741)	IP 54	54 / 52		dB (A)
	IP 55			
Weight		3.2		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 IP 55	91		%
Filter mat quality class according to EN 779	IP 54	G 4		
	IP 55			
Duty cycle		100		%
Bearing type		ball bearing		
Service life L ₁₀ (+ 40 °C) ¹		40000		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, different colours available on request		
Accessories		Piece	Article number	Information on page
Exhaust filter PFA 60.000	IP 54	1	11760002055	170
	IP 55	1	11760003055	170
Thermostat		1	17121000000	188/190

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 129

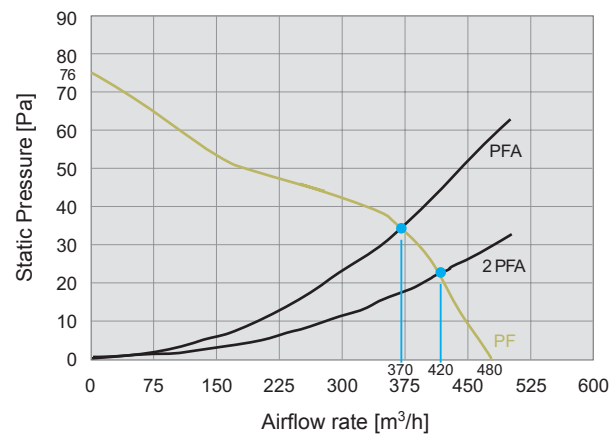
Cooling capacity performance curves

PF 65.000 IP 54

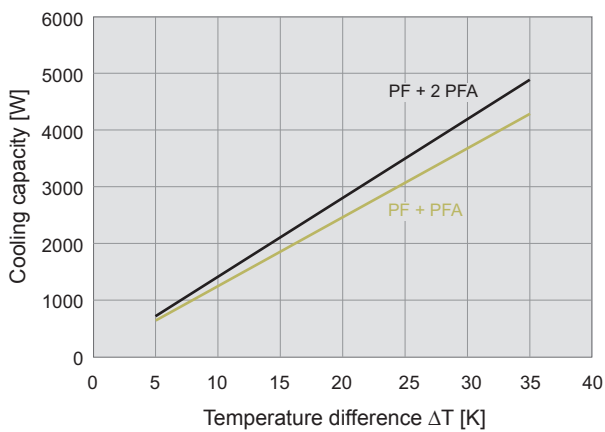


Static pressure performance curves

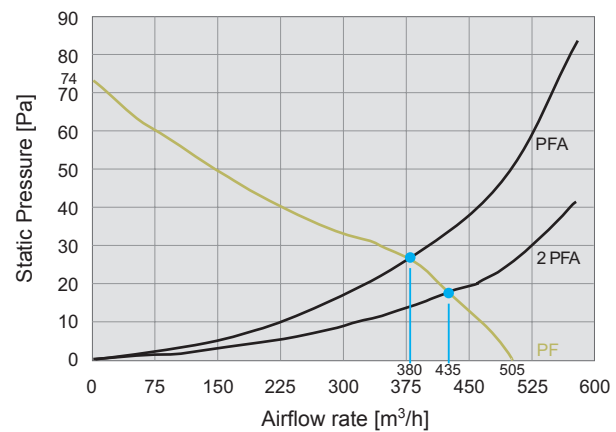
PF 65.000 IP 54



PF 65.000 IP 55



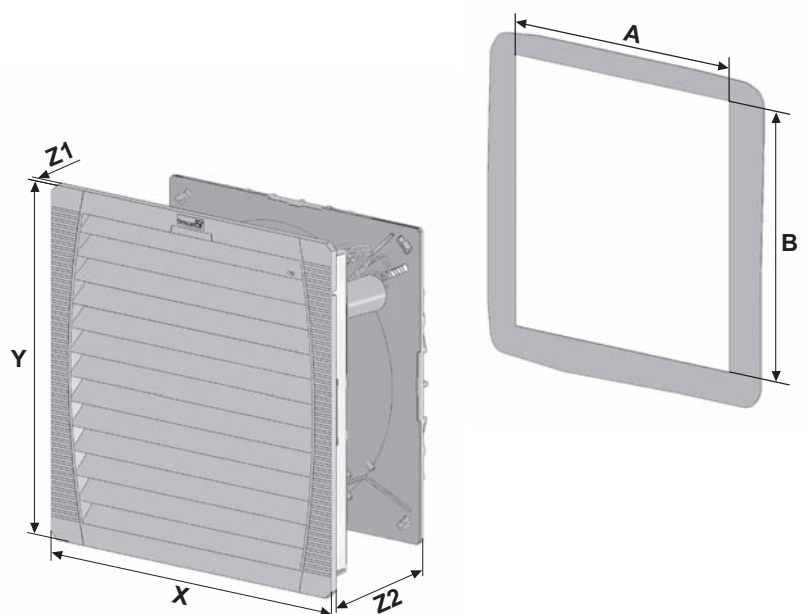
PF 65.000 IP 55



Dimensions

mm	PF 65.000	PFA 60.000
X	320	320
Y	320	320
Z1	7	7
Z2	150	39
A'	291	291
B'	291	291

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



Filterfan

PF 66.000

Exhaust filter

PFA 60.000



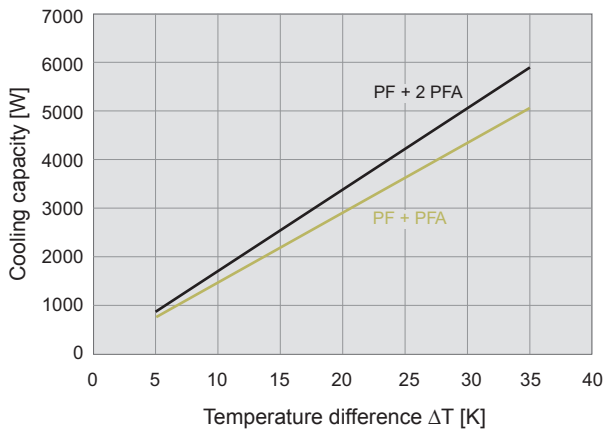
- installation size 6, air flow rate up to 785 m³/h
- three performance classes, cut-out compatible
- system of protection IP 54 and IP 55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP 55 version)
- cut-out compatible with installation size 6 from the 3rd Generation and with cooling unit DTFI 9021 (see page 36)

Data		PF 66.000			Unit
Article number	IP 54	11666022055	11666102055	11666152055	
	IP 55	11666023055	11666103055	11666153055	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz				V
		400 / 460 3 ~	230	115	
Unimpeded airflow	IP 54	640 / 653			m ³ /h
	IP 55	770 / 785			
Airflow rate in combination (PF + PFA 60.000)	IP 54	445 / 445			
	IP 55	490 / 501			
Power consumption		120 / 155	115 / 150	110 / 160	W
Current consumption		0.26 / 0.25	0.51 / 0.66	0.96 / 1.4	A
Noise level (according to EN ISO 3741)	IP 54	63 / 64			dB (A)
	IP 55				
Weight		3.2			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 IP 55	91			%
Filter mat quality class according to EN 779	IP 54 IP 55	G 4			
Duty cycle		100			%
Bearing type		ball bearing			
Service life L ₁₀ (+ 40 °C) ¹		40000			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, different colours available on request			
Accessories		Piece	Article number		Information on page
Exhaust filter PFA 60.000	IP 54	1	11760002055		170
	IP 55	1	11760003055		170
Thermostat		1	17121000000		188/190

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 129

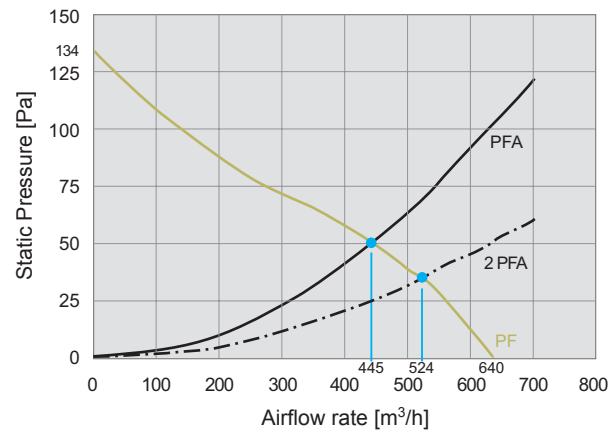
Cooling capacity performance curves

PF 66.000 IP 54

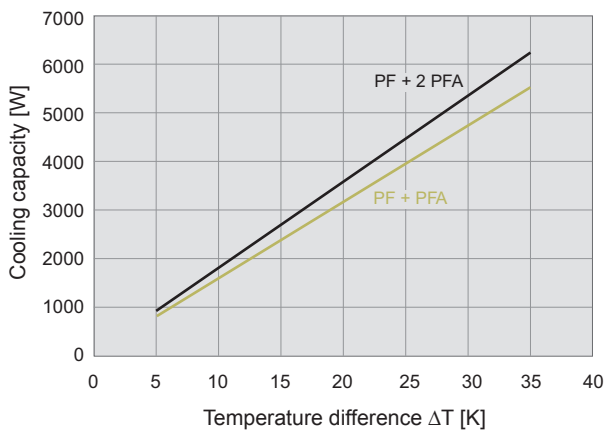


Static pressure performance curves

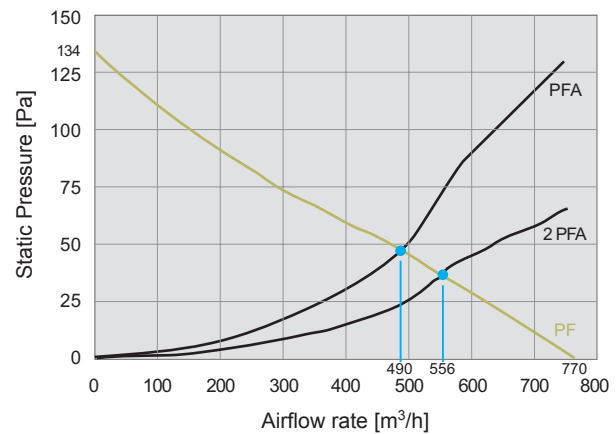
PF 66.000 IP 54



PF 66.000 IP 55



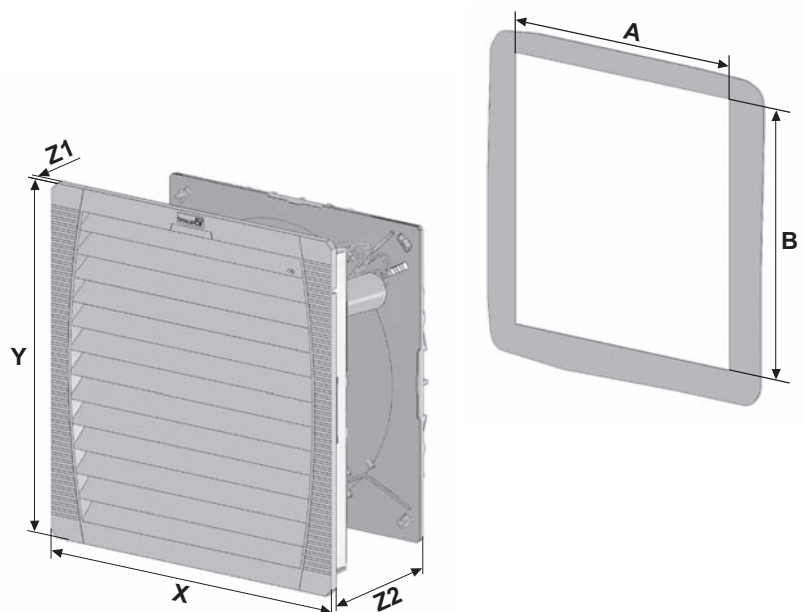
PF 66.000 IP 55



Dimensions

mm	PF 66.000	PFA 60.000
X	320	320
Y	320	320
Z1	7	7
Z2	150	39
A'	291	291
B'	291	291

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



Filterfan

PF 67.000

Exhaust filter

PFA 60.000



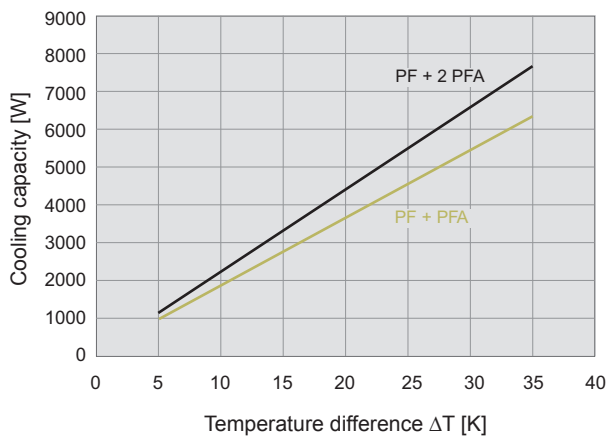
- installation size 6, air flow rate up to 950 m³/h
- three performance classes, cut-out compatible
- system of protection IP 54 and IP 55, NEMA type 12
- UL, cUL approval
- UV-resistance (IP 55 version)
- cut-out compatible with installation size 6 from the 3rd Generation and with cooling unit DTFI 9021 (see page 36)

Data		PF 67.000			Unit
Article number	IP 54	11667022055	11667102055	11667152055	
	IP 55	11667023055	11667103055	11667153055	
Rated voltage ± 10 %	AC 50 Hz / 60 Hz				V
		400 / 460 3 ~	230	115	
Unimpeded airflow	IP 54	845 / 875			m ³ /h
	IP 55	925 / 950			
Airflow rate in combination (PF + PFA 60.000)	IP 54	560 / 625			
	IP 55	570 / 625			
Power consumption		140 / 170	135 / 200	140 / 195	W
Current consumption		0.35 / 0.43	0.59 / 0.88	1.23 / 1.71	A
Noise level (according to EN ISO 3741)	IP 54	66 / 69			dB (A)
	IP 55				
Weight		3.7			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 IP 55	91			%
Filter mat quality class according to EN 779	IP 54 IP 55	G 4			
Duty cycle		100			%
Bearing type		ball bearing			
Service life L ₁₀ (+ 40 °C) ¹		40000			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, different colours available on request			
Accessories		Piece	Article number		Information on page
Exhaust filter PFA 60.000	IP 54	1	11760002055		170
	IP 55	1	11760003055		170
Thermostat		1	17121000000		188/190

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 129

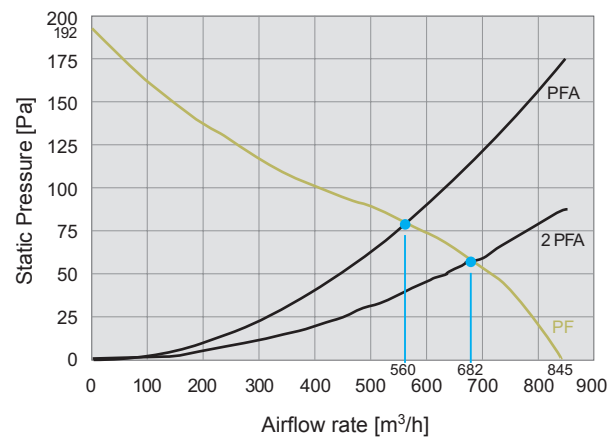
Cooling capacity performance curves

PF 67.000 IP 54

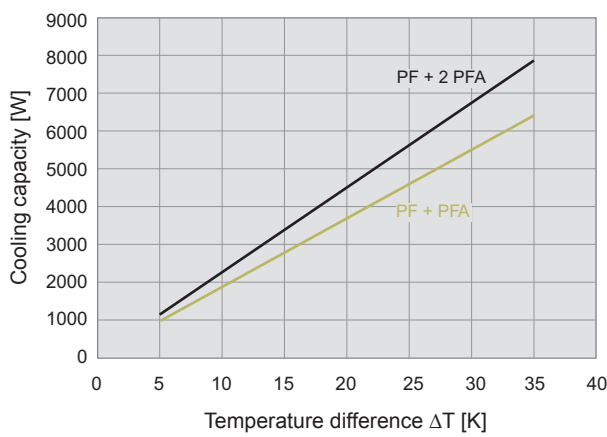


Static pressure performance curves

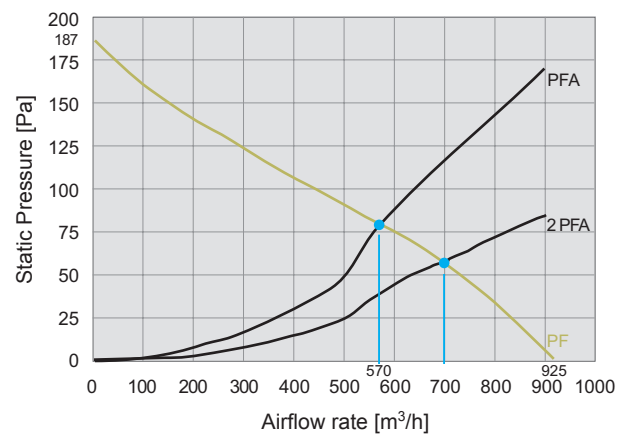
PF 67.000 IP 54



PF 67.000 IP 55



PF 67.000 IP 55



Dimensions

mm	PF 67.000	PFA 60.000
X	320	320
Y	320	320
Z1	7	7
Z2	150	39
A'	291	291
B'	291	291

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

