

Technical description:

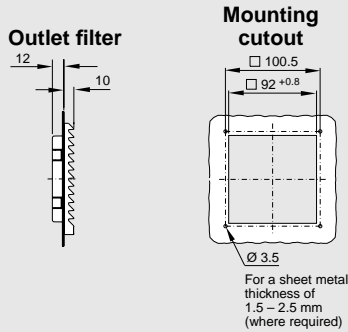
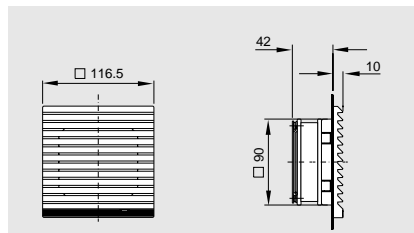
- Quick fastening system without screws. Simply lock into position and voilà!
- Square mounting cutout.
- Super-slimline grille design.
- The air direction (extracting or blowing) is selected by simply rotating the fan.
- By using DC fan-and-filter units, any interference, e.g. to monitors, is avoided.
- The IP 43 protection category is upgradable to IP X5.
- The fan-and-filter enclosures are manufactured from heat-resistant plastic and are self-extinguishing to UL 94-V0.

Colour:

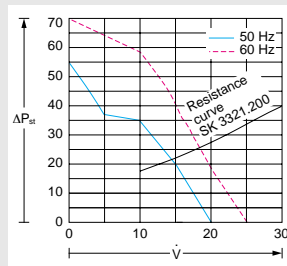
RAL 7032. To order fan-and-filter units and SK outlet filters in RAL 7035, the final digit of the order number should be a 7.

Supply includes:

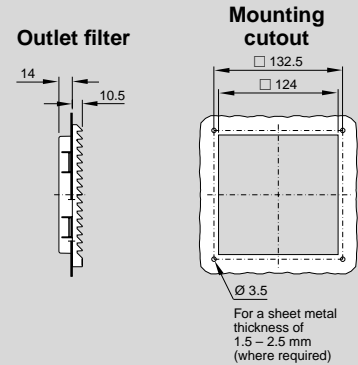
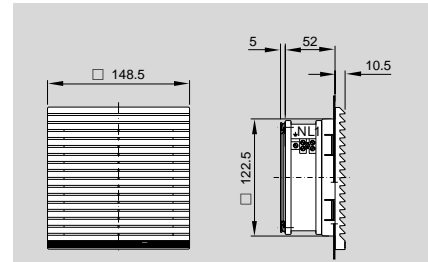
Fan-and-filter unit ready for installation, including filter mats.



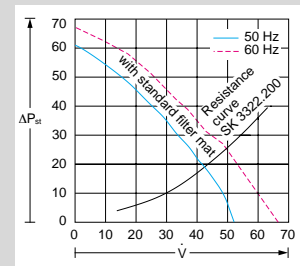
Performance diagram



\dot{V} = Volume flow (m³/h)
 ΔP_{st} = Stat. pressure difference (Pa)



Performance diagram



\dot{V} = Volume flow (m³/h)
 ΔP_{st} = Stat. pressure difference (Pa)

Model No. Fan-and-filter units SK	
Rated operating voltage Volt/Hz	
Air throughput, unimpeded air flow	
Air throughput with outlet filter including standard filter mat	
Axial fan	
Rated current max.	
Power	
Noise level	
Temperature range	
Protection category to EN 60529/10.91	
Model No. Outlet filter SK	

3321.100	3321.115	3321.024	3321.048*
230/50/60	115/50/60	24 (DC)	48 (DC)
20/25 m³/h		20 m³/h	
1 x SK 3321.200: 15/18 m ³ /h			
Self-starting shaded pole motor		DC motor	
69 mA 58 mA	138 mA 115 mA	125 mA	90 mA
12.5 W/ 10.3 W	12.5 W/ 10.3 W	3.0 W	4.1 W
41/46 dB (A)		41 dB (A)	
- 10 °C to + 55 °C			
IP 43 when using filter mats and fan-and-filter sealing frames IP X5 when using filter mats and hose-proof hoods (see accessories)			
3321.200			

3322.100	3322.115	3322.024	3322.048*
230/50/60	115/50/60	24 (DC)	48 (DC)
55/66 m³/h			
1 x SK 3322.200: 43/50 m ³ /h			
Self-starting shaded pole motor		DC motor	
0.12 A 0.11 A	0.24 A 0.23 A	0.15 A	90 mA
19.0 W/ 18.0 W		3.5 W	4.4 W
46/49 dB (A)		46 dB (A)	
- 10 °C to + 55 °C			
IP 43 standard			
IP X5 when using filter mats and hose-proof hoods (see accessories)			
3322.200			

Special voltages available on request. Technical modifications reserved. To order in RAL 7035, change the final digit to a 7. Delivery times on request.

Accessories	P. of
Spare filter mats	5
Fan-and-filter sealing frame	5
Thermostat	1
Temperature indicator with switch contact	1
Speed control	1
Hose-proof hood	1

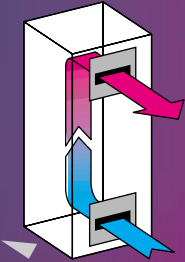
3321.700			
3321.900			
3110.000			
3114.100	3114.115	3114.024	-
3120.000	3120.115	-	-
3321.800			

				Page
3322.700				568
3322.900				569
3110.000				571
3114.100	3114.115	3114.024	-	570
3120.000	3120.115	-	-	572
3322.800				570

* Delivery times on request
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DESIGNER FAN-AND-FILTER UNITS

Air throughput 20/55 m³/h



Fan-and-filter units

Air throughput	20 m ³ /h				55 m ³ /h			
	DC motor		Self-starting shaded pole motor		DC motor		Self-starting shaded pole motor	
Axial fan								
Voltage	24 V (DC)	48 V (DC)	115 V	230 V	24 V (DC)	48 V (DC)	115 V	230 V
Model No. SK	3321.024	3321.048	3321.115	3321.100	3322.024	3322.048	3322.115	3322.100

**German registered design
no. M 93 04 846**

Approvals for all
designer fan-and-filter units,
see page 540/541.



Including standard filter mat
made from chopped fibre mat
for dust grain sizes from
10 µm.



The air direction is freely
selectable by simply rotating
the motor.

Technical description:

- Quick fastening system without screws. Simply lock into position and voilà!
- Optimised air throughput.
- Super-slimline structure with the typical Rittal grille design.
- Low noise generation.
- The air direction (extracting or blowing) is selected by simply rotating the fan.
- By using the DC variant (24 V DC or 48 V DC), any interference, e.g. to monitors, is eliminated.
- The protection category IP 43 can be upgraded to IP 54 or IP 55. Complies with NEMA 1. May be upgraded to NEMA 12 by using the sealing frame and a fine filter mat.
- Speed control is possible (see accessories on page 572).
- The fan-and-filter enclosures are manufactured from heat-resistant plastic and are self-extinguishing to UL 94-V0.

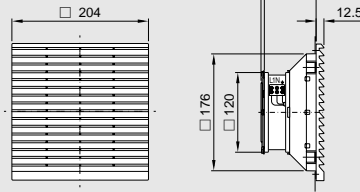
Colour:

RAL 7032. To order fan-and-filter units and outlet filters in RAL 7035, change the final digit of the order number to a 7.

Supply includes:

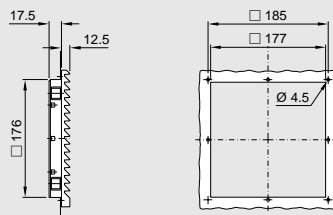
Fan-and-filter unit ready for installation, including filter mats.

Fan-and-filter units

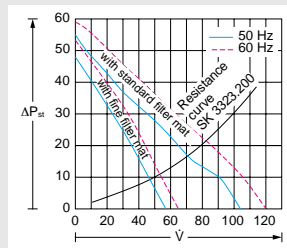


Outlet filter SK 3323.200

Mounting cutout SK 3323....

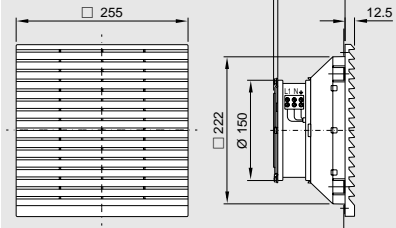


Performance diagram SK 3323....



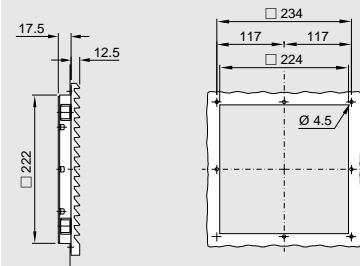
\dot{V} = Volume flow (m³/h)
 ΔP_{st} = Stat. pressure difference (Pa)

Fan-and-filter units

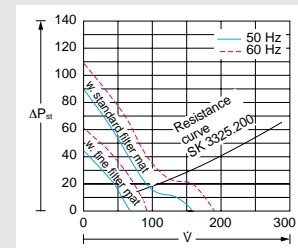


Outlet filter SK 3325.200

Mounting cutout SK 3324.... / SK 3325....



Performance diagram SK 3324....



\dot{V} = Volume flow (m³/h)
 ΔP_{st} = Stat. pressure difference (Pa)

Model No. Fan-and-filter units SK	
Rated operating voltage Volt/Hz	230/50/60
Air throughput, unimpeded air flow	
Air throughput with outlet filter including standard filter mat	105/120 m ³ /h
Axial fan	DC motor
Rated current max.	0.12 A / 0.11 A
Power	19 W/18 W
Noise level	46/49 dB (A)
Temperature range	- 10 °C to + 55 °C
Protection category to EN 60529/10.91	IP 43 standard/IP 54 when using fine filter mats and fan-and-filter sealing frames IP X5 when using fan-and-filter mats and hose-proof hoods (see accessories)
Model No. Outlet filter SK	

3323.100	3323.115	3323.024	3323.048*
230/50/60	115/50/60	24 (DC)	48 (DC)
105/120 m ³ /h		105 m ³ /h	
1 x SK 3323.200: 71/82 m ³ /h 2 x SK 3323.200: 85/98 m ³ /h 1 x SK 3325.200: 78/90 m ³ /h			
Self-starting shaded pole motor		DC motor	
0.12 A	0.24 A	0.15 A	90 mA
0.11 A	0.23 A		
19 W/18 W	19 W/18 W	3.5 W	4.3 W
46/49 dB (A)		46 dB (A)	
- 10 °C to + 55 °C			
IP 43 standard/IP 54 when using fine filter mats and fan-and-filter sealing frames IP X5 when using fan-and-filter mats and hose-proof hoods (see accessories)			
3323.200			

3324.100	3324.115	3324.024	3324.048*
230/50/60	115/50/60	24 (DC)	48 (DC)
180/160 m ³ /h		180 m ³ /h	
1 x SK 3325.200: 115/ 95 m ³ /h 2 x SK 3325.200: 165/140 m ³ /h 1 x SK 3326.200: 155/130 m ³ /h			
Self-starting shaded pole motor		DC motor	
0.19 A	0.38 A	0.3 A	0.34 A
0.20 A	0.40 A		
30 W/35 W	30 W/35 W	7.2 W	14 W
52/48 dB (A)		52 dB (A)	
- 10 °C to + 55 °C			
IP 43 standard/IP 54 when using fine filter mats and fan-and-filter sealing frames IP X5 when using fan-and-filter mats and hose-proof hoods (see accessories)			
3325.200			

Special voltages available on request. Technical modifications reserved. To order in RAL 7035, change the final digit to a 7. Delivery times on request.

Accessories	P. of
Spare filter mats	5
Fine filter mats	5
Fan-and-filter sealing frame	5
Thermostat	1
Temperature indicator with switch contact	1
Speed control	1
Hose-proof hood	1

3171.100			
3181.100			
3191.100			
3110.000			
3114.100	3114.115	3114.024	-
3120.000	3120.115	-	-
3323.800			

			Page
3172.100			568
3182.100			568
3192.100			569
3110.000			571
3114.100	3114.115	3114.024	- 570
3120.000	3120.115	-	- 572
3324.800			570

* Delivery times on request
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DESIGNER FAN-AND-FILTER UNITS

Air throughput 105/180 m³/h



Fan-and-filter units

Air throughput	105 m ³ /h				180 m ³ /h			
	DC motor		Self-starting shaded pole motor		DC motor		Self-starting shaded pole motor	
Axial fan								
Voltage	24 V (DC)	48 V (DC)	115 V	230 V	24 V (DC)	48 V (DC)	115 V	230 V
Model No. SK	3323.024	3323.048	3323.115	3323.100	3324.024	3324.048	3324.115	3324.100

German registered design no. M 93 04 846

Approvals for all designer fan-and-filter units, see page 540/541.



The quick-fit assembly system for fan-and-filter units and outlet filters: Simply snap into position and voilà!



The air direction is freely selected by simply rotating the motor.

Technical description:

- Quick fastening system without screws. Simply lock into position and voilà!
- Optimised air throughput.
- Super-slimline structure with the typical Rittal grille design.
- Low noise generation.
- The air direction (extracting or blowing) is selected by simply rotating the fan.
- By using the DC variant (24 V DC or 48 V DC), any interference, e.g. to monitors, is eliminated.
- The protection category IP 43 can be upgraded to IP 54 or IP 55. Complies with NEMA 1. May be upgraded to NEMA 12 by using the sealing frame and a fine filter mat.
- Speed control is possible (see accessories on page 572).
- The fan-and-filter enclosures are manufactured from heat-resistant plastic and are self-extinguishing to UL 94-V0.

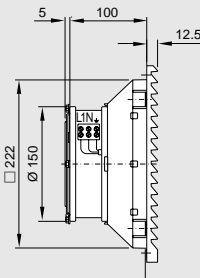
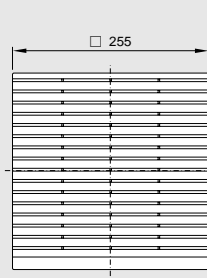
Colour:

RAL 7032. To order fan-and-filter units and outlet filters in RAL 7035, change the final digit of the order number to a 7.

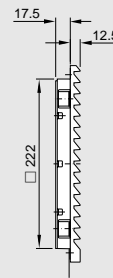
Supply includes:

Fan-and-filter unit ready for installation, including filter mats.

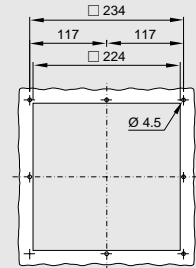
Fan-and-filter units SK 3325....



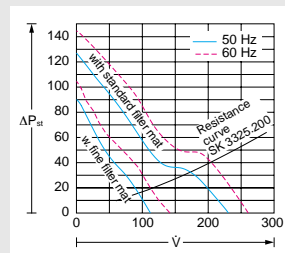
Outlet filter SK 3325.200



Mounting cutout SK 3325....



Performance diagram SK 3325....



\dot{V} = Volume flow (m³/h)
 ΔP_{st} = Stat. pressure difference (Pa)

Model No. Fan-and-filter units SK	
Rated operating voltage Volt/Hz	
Air throughput, unimpeded air flow	
Air throughput with outlet filter including standard filter mat	
Axial fan	
Rated current max.	
Power	
Noise level	
Temperature range	
Protection category to EN 60 529/10.91	
Model No. Outlet filter SK	

3325.100	3325.115	3325.024	3325.048*
230/50/60	115/50/60	24 (DC)	48 (DC)
230/265 m³/h		230 m³/h	
1 x SK 3325.200: 170/205 m ³ /h 2 x SK 3325.200: 200/230 m ³ /h 1 x SK 3326.200: 190/215 m ³ /h			
Self-starting shaded pole motor		DC motor	
0.28 A 0.24 A	0.53 A 0.49 A	0.59 A	0.31 A
41 W/38 W		14 W	15 W
54/56 dB (A)		54 dB (A)	
- 10 °C to + 55 °C			
IP 43 standard IP 54 when using fine filter mats and fan-and-filter sealing frames IP X5 when using filter mats and hose-proof hoods (see accessories)			
3325.200			

Special voltages available on request. Technical modifications reserved. To order in RAL 7035, change the final digit to a 7. Delivery times on request.

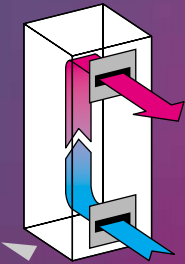
Accessories	P. of
Spare filter mats	5
Fine filter mats	5
Fan-and-filter sealing frame	5
Thermostat	1
Temperature indicator with switch contact	1
Speed control	1
Hose-proof hood	1

				Page
3172.100				568
3182.100				568
3192.100				569
3110.000				571
3114.100	3114.115	3114.024	-	570
3120.000	3120.115	-	-	572
3324.800				570

* Delivery times on request
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DESIGNER FAN-AND-FILTER UNITS

Air throughput 230 m³/h



Fan-and-filter units

Air throughput	230 m ³ /h			
Axial fan	DC motor		Self-starting shaded pole motor	
Voltage	24 V (DC)	48 V (DC)	115 V	230 V
Model No. SK	3325.024	3325.048	3325.115	3325.100

German registered design
no. M 93 04 846

Approvals for all
designer fan-and-filter units,
see page 540/541.



Temperature-dependent
speed control for fan-and-filter
units, for noise reduction.



Filter mats are easily
changed.

Designer fan-and-filter units 500 m³/h to 700 m³/h

The two new designer fan-and-filter units were designed with a view to air throughput, noise generation and assembly-friendliness.

Technical description:

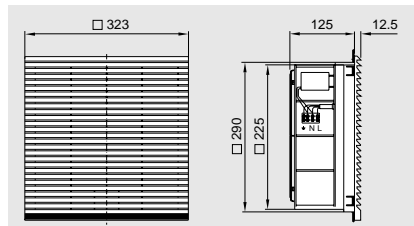
- Quick fastening system without screws. Simply lock into position and voilà!
- Fan-and-filter units to circulate large volumes of air in bayed enclosure suites, etc.
- Square mounting cutout.
- Super-slimline grille design.
- The air direction (extracting or blowing) is selected by simply rotating the fan.
- The protection category IP 43 can be upgraded to IP 54 or IP 55. Complies with NEMA 1. May be upgraded to NEMA 12 by using the sealing frame and a fine filter mat.
- Speed control is possible (see accessories, page 572).
- The fan-and-filter enclosures are manufactured from heat-resistant plastic and are self-extinguishing to UL 94-V0.

Colour:

RAL 7032. To order fan-and-filter units and outlet filters in RAL 7035, change the final digit of the order number to a 7.

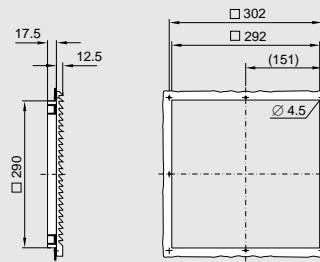
Supply includes:

Fan-and-filter unit ready for installation, including filter mats.

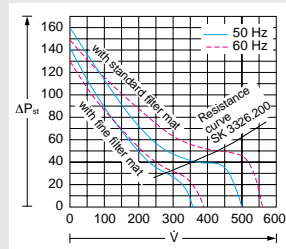


Outlet filter
SK 3326.200

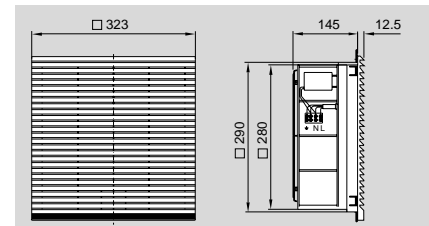
Mounting cutout
SK 3326....



Performance diagram
SK 3326....

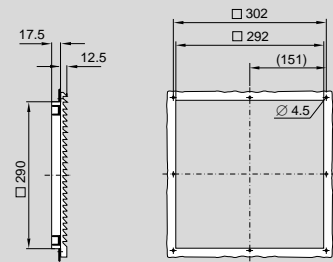


\dot{V} = Volume flow (m³/h)
 ΔP_{st} = Stat. pressure difference (Pa)

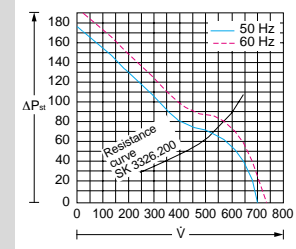


Outlet filter
SK 3326.200

Mounting cutout
SK 3327....



Performance diagram
SK 3327....



\dot{V} = Volume flow (m³/h)
 ΔP_{st} = Stat. pressure difference (Pa)

Model No. Fan-and-filter unit SK	
Rated operating voltage Volt/Hz	230/50/60
Air throughput, unimpeded air flow	
Air throughput with outlet filter including standard filter mat	500/560 m ³ /h
Axial fan	Capacitor motor
Rated current max.	0.29 A 0.35 A
Power	64 W/80 W
Noise level	59/61 dB (A)
Temperature range	- 10 °C to + 55 °C
Protection category to EN 60 529/10.91	IP 43 standard/IP 54 when using fine filter mats and fan-and-filter sealing frames IP X5 when using filter mats and hose-proof hoods (see accessories)
Model No. Outlet filter SK	
	3326.200

3326.100	3326.115
230/50/60	115/50/60
500/560 m³/h	
1 x SK 3326.200: 360/390 m ³ /h	
2 x SK 3326.200: 440/495 m ³ /h	
Rated current max.	0.58 A 0.70 A
Power	64 W/80 W
Noise level	59/61 dB (A)
Temperature range	- 10 °C to + 55 °C
Protection category to EN 60 529/10.91	IP 43 standard/IP 54 when using fine filter mats and fan-and-filter sealing frames IP X5 when using filter mats and hose-proof hoods (see accessories)
	3326.200

3327.100	3327.115	3327.140
230/50/60	115/50/60	400, 3 ~/50/60
700/720 m³/h		
1 x SK 3326.200: 525/575 m ³ /h		
Rated current max.	0.65 A 0.95 A	1.5 A 2.0 A
Power	155 W/212 W	167 W/230 W
Noise level	75/76 dB (A)	146 W/205 W
Temperature range	- 10 °C to + 55 °C	
Protection category to EN 60 529/10.91	IP 43 standard when using fine filter mats and fan-and-filter sealing frames IP X5 when using filter mats and hose-proof hoods (see accessories)	
	3326.200	

Special voltages available on request. Technical modifications reserved. To order in RAL 7035, change the final digit to a 7. Delivery times on request.

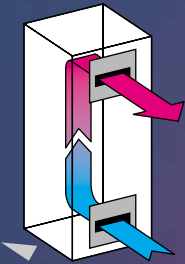
Accessories	P. of
Spare filter mats	5
Fine filter mats	5
Fan-and-filter sealing frame	5
Thermostat	1
Temperature indicator with switching contact	1
Speed control	1
Hose-proof hood	1

3173.100	
3183.100	
3193.100	
3110.000	
3114.100	3114.115
3120.000	3120.115
3326.800	

3327.700		Page
3183.100		568
3193.100		569
3110.000		571
3114.100	3114.115	570
3120.000		572
3326.800		570

DESIGNER FAN-AND-FILTER UNITS

Air throughput 500/700 m³/h



Fan-and-filter units

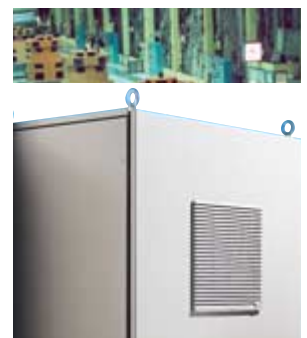
Air throughput	500 m ³ /h		700 m ³ /h		
Axial fan	Capacitor motor		Capacitor motor		Rotary current motor
Voltage	115 V	230 V	115 V	230 V	400 V
Model No. SK	3326.115	3326.100	3327.115	3327.100	3327.140

German registered design
no. M 93 04 846

Approvals for all
designer fan-and-filter units,
see page 540/541.



Hose-proof hood to increase
the protection category with
fan-and-filter units and outlet
filters.



These powerful fan-and-filter
units are ideally suited for use
in bayed enclosure suites.