

FF 42 54/230V GY**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

The filter fans combine a safe and profitable cabinet cooling due to their low energy consumption by maximum air flow. The fluted filter mat of the IP 55 version extends the service life by up to 300% in comparison to conventional filter mats.

General ordering data

Version	Filter fan, IP54, grey
Order No.	2556750000
Type	FF 42 54/230V GY
GTIN (EAN)	4050118567373
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2025-12-31

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Technical data

Dimensions and weights

Depth	103 mm	Depth (inches)	4.055 inch
Height	252 mm	Height (inches)	9.921 inch
Width	252 mm	Width (inches)	9.921 inch
Net weight	1,180 g		

Temperatures

Operating temperature range	-40...55 °C
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General data

Colour	grey		
Current consumption	Mains frequency	50 Hz	
	Current	0.12 A	
	Mains frequency	60 Hz	
	Current	0.1 A	
EMC version	No		
Fan type	Roof fan		
Filter class	G 4		
Fuse	6 A		
Height of installation cut-outs	223 mm		
MTBF	40,000 h		
Mounting depth	97 mm		
Mounting height	6 mm		
Noise emission	40 dB(A)		
Operating temperature range	-40...55 °C		
Power	Mains frequency	50 Hz	
	nominal	18 W	
	Mains frequency	60 Hz	
	nominal	17 W	
Protection class (UL)	Type 12		
Rated AC voltage	230 V		
Rated voltage	230 V AC $\pm$ 10%		
Size	4		
Type of connection	Spring contact		
Type of mounting	Snap-on		
UL 94 flammability rating	V-0		
Volume flow with exhaust filter	Mains frequency	50 Hz	
	Volume flow	93 m ³ /h	
	Exhaust filter	IP54	
	Mains frequency	60 Hz	
	Volume flow	102 m ³ /h	
	Exhaust filter	IP54	
Volume flow, free-blowing	Mains frequency	50 Hz	
	Volume flow	125 m ³ /h	
	Mains frequency	60 Hz	
	Volume flow	138 m ³ /h	
Volume flow, free-blowing at 50 Hz	125 m ³ /h		
Volume flow, free-blowing at 60 Hz	138 m ³ /h		
Width of installation cut-outs	223 mm		
With filter	Yes		
With protective cover	Yes		

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Classifications

ETIM 6.0	EC000320	ETIM 7.0	EC000320
ETIM 8.0	EC000320	ETIM 9.0	EC000320
ETIM 10.0	EC000320	ECLASS 9.1	27-18-07-16
ECLASS 10.0	27-18-07-16	ECLASS 11.0	27-18-07-16
ECLASS 12.0	27-18-07-16	ECLASS 13.0	27-18-07-16
ECLASS 14.0	27-18-07-16	ECLASS 15.0	27-18-07-16

Approvals

Approvals



Approvals MAMID https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/

ROHS Conform
 UL File Number Search UL Website
 Certificate No. (cURus) E252704

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
 REACH SVHC No SVHC above 0.1 wt%

Downloads

Approval/Certificate/Document of Conformity [EU Declaration of Conformity](#)
 Engineering Data [CAD data – STEP](#)
 User Documentation [Installation- and operating instructions](#)
 Catalogues [Catalogues in PDF-format](#)

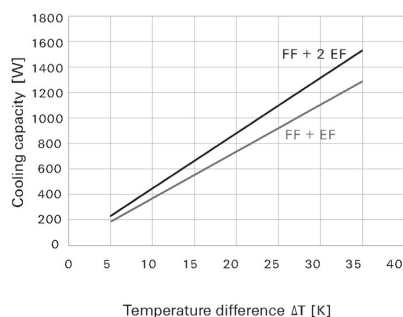
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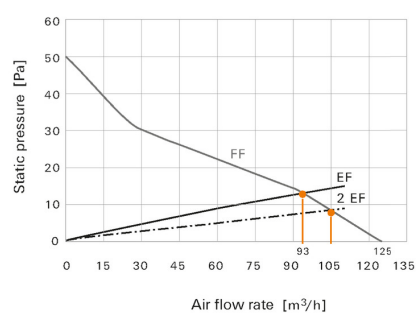
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Drawings

Graph



Graph



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Accessories

Filter fan



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General ordering data

Type	FF-FIMT 4X 55	Version
Order No.	2556800000	Filter mat, IP55, white
GTIN (EAN)	4050118567427	
Qty.	5 pc(s).	
Type	FF-FIMT 4X 54	Version
Order No.	2556790000	Filter mat, IP54, white
GTIN (EAN)	4050118567410	
Qty.	5 pc(s).	

Exhaust filter



The fluted filter mat of the IP 55 version extends the service life by up to 300% in comparison to conventional filter mats. Thought out details as the functional flap cover enable a fast and tool-less change of the filter mats which saves time and money.

General ordering data

Type	EF 40 54 BK	Version
Order No.	2557180000	Exhaust filter, IP54, black
GTIN (EAN)	4050118567816	
Qty.	1 pc(s).	
Type	EF 40 54 GY	Version
Order No.	2557170000	Exhaust filter, IP54, grey
GTIN (EAN)	4050118567809	
Qty.	1 pc(s).	
Type	EF 40 55 BK	Version
Order No.	2557200000	Exhaust filter, IP55, black
GTIN (EAN)	4050118567830	
Qty.	1 pc(s).	
Type	EF 40 55 GY	Version
Order No.	2557190000	Exhaust filter, IP55, grey
GTIN (EAN)	4050118567823	
Qty.	1 pc(s).	