

Filter Ventilator 109x109x62mm (19m³/h), IP54



SCHRACK-Info

- Filter ventilators and exhaust filters are injection-moulded from thermoplastic material, self-extinguishing according to UL94VO, UV-resistant
- Toolless mounting with patented 4-corner-catching
- Simple exchange of filter mat thanks to patented and service-friendly hinge system
- Variable direction of air conveyance via 180° rotation of fan-motor assembly, standard as delivered is directing towards the enclosure (not possible for **IUNKF1523A**)
- Fast electrical connection via spring-type terminals
- Degree of protection: IP54 with standard filter mat, IP55 can be reached by using fluted filter mat **IUKM4x20** (not possible for **IUKNF1523A**)
- Color: RAL7035 (Light grey)



Technical Data

Net width (mm)	109,00
Net height (mm)	109,00
Netto depth (mm)	62,00
Net weight (kg)	0,55
Min. ambient temperature (°C)	-40
Max. ambient temperature (°C)	55
IP Rating	IP54
Rated voltage	230V-AC
Colour	RAL 7035 (Light grey)
Cooling output with downstream filter IP54 (W/K)	4,6
Product category	Ventilator

Technical Data - continued

Cut-out size (mm)	92x92
Mounting Depth mm (mm)	62
Air flow rate IP54 (m³/h)	19

Technical Data Filter Fans

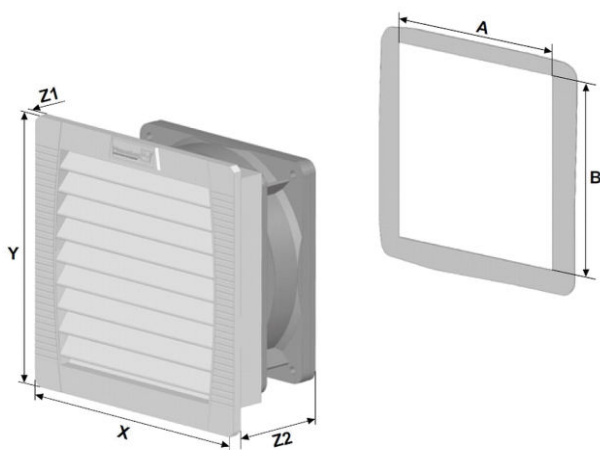
Data	IP	Unit	IUKNF							
			1523A	2523A	3523A	4523A	5523A	6523A	7523A	8523A
Rated voltage ±10%		V	AC 50 / 60Hz							
			230							
Unimpeded airflow	IP54	m³/h	19 / 24	61 / 70	110 / 125	125 / 138	223 / 247	480 / 480	640 / 653	845 / 875
	IP55*		-	56 / 64	100 / 110	145 / 160	233 / 265	505 / 505	770 / 785	925 / 950
Airflow rate in combination with exhaust filter IUKNExxx	IP54	m³/h	12 / 14	44 / 52	82 / 93	93 / 102	201 / 223	370 / 370	445 / 445	560 / 625
	IP55*		-	40 / 46	55 / 64	109 / 113	180 / 207	380 / 380	490 / 501	570 / 625
Power consumption		W	12 / 11	19 / 18		18 / 17	45 / 39	80 / 100	120 / 160	140 / 197
Current consumption		A	0.07 / 0.06	0.12 / 0.18		0.12 / 0.10	0.32 / 0.26	0.35 / 0.45	0.53 / 0.72	0.62 / 0.86
Noise level acc. to EN ISO 3741		dB (A)	33 / 33	44 / 44	40 / 40	40 / 43	53	54 / 52	63 / 64	66 / 69
Weight		kg	0.55	0.70	0.87	1.18	1.67	3.20		3.70
Type of connection			Cable	Terminal strip		Spring-type terminal				
Fuse		A	6							
Degree of protection	IP54		NEMA type 12 - standard filter							
acc. to EN 60529 / UL 50	IP55*		-	NEMA type 12 - fluted filter						
Filtration efficiency	IP54	%	88					91		
	IP55*		-	91						
Filter mat quality class	IP54		G 3					G 4		
according to EN 779	IP55*		-	G 4						
Duty cycle		%	100							
Bearing type			Sleeve bearing				Ball bearing			
Service life L10 (+40 °C) ¹		h	52500	37500		40000				
Temperature range		°C (°F)	-40 ... +55°C (-40 ... +131°F)							
Design (housing and protection against accidental contact)	IP54		made of injection-moulded thermoplastic, self-extinguishing, UL 94 VO							
	IP55*		-	additional: UV-resistant						
Color			RAL 7035 (Light grey)							

Fields containing two values (e.g.: 19 / 24) refer to 50 / 60Hz

* Can be reached with IP55 fluted filter mat IUKM4x20

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

Dimensions Filter Fans



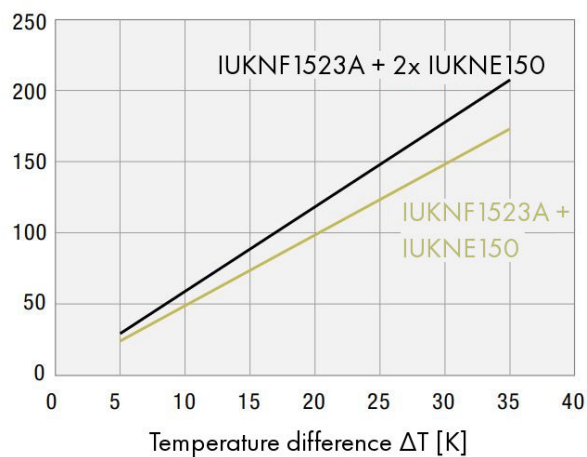
Dimensions

Article number	X [mm]	Y [mm]	Z1 [mm]	Z2 [mm]	A* [mm]	B* [mm]
Filter fans						
IUKNF1523A	109	109	4	62	92	92
IUKNF2523A	145	145	5	70	125	125
IUKNF3523A	202	202	6	87	177	177
IUKNF4523A	252	252	6	97	223	223
IUKNF5523A	252	252	6	113	223	223
IUKNF6523A	320	320	7	150	292	292
IUKNF7523A	320	320	7	150	292	292
IUKNF8523A	320	320	7	150	292	292
Exhaust filter						
IUKNE150	109	109	4	19	92	92
IUKNE250	145	145	5	26	125	125
IUKNE350	202	202	6	34	177	177
IUKNE450	252	252	6	38	223	223
IUKNE550	320	320	7	39	292	292

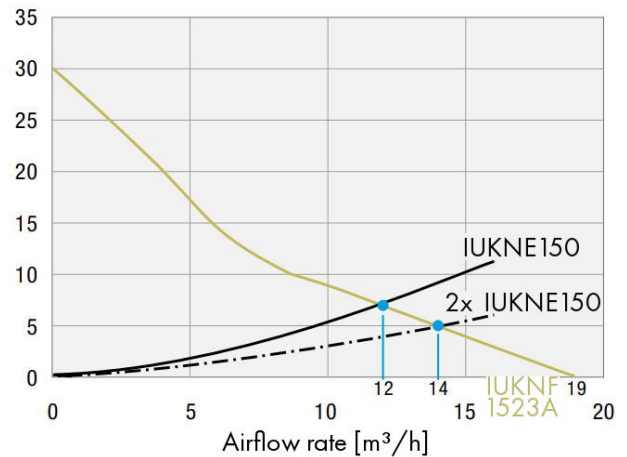
*For material thickness up to 2mm, +1mm for material thickness >2mm ≤3mm

IUKNF1523A Performance Curves: Cooling Capacity (Left) and Static Pressure (Right)

Cooling capacity [W]



Static Pressure [Pa]



Article Table

DESCRIPTION	Order No.
Filter Ventilator 109x109x62mm (19m³/h), IP54	IUKNF1523A
Necessary Accessories	
Exhaust Filter 109x109x19mm, IP54 for IUKNF1523A	IUKNE150
Ventilation thermostat 1 NO switch, blue, 0°-60°C	IUK08566
Optional Accessories	
Spare filter for filter fan 109x109mm, IP54 for filter fan IUKNF1523A, PU=5 pcs.	IUKM4510