Thermal Control - Ventilation
Filter Vents & Fans

12VDC TO 230VAC | 26M3/H TO 700M3/H | IP54 (IP55 OPTIONAL)

IP Enclosures range of filter fans and vents feature a modern Italian grille design with minimal external projection. The front-opening grille allows filters to be easily maintained from the outside of the enclosure.

Features & Specifications

IP Enclosures provide a wide range of ventilation products for electrical enclosures. The front-opening grille allows filters to be easily maintained from the outside of the enclosure. All molded parts are made of highly resistant and self-extinguishing ABS. IP Enclosures ventilation products are manufactured to the highest quality in Italy.

STANDARD
Protection: IP54
Standards (& Conformities): EN60335-1, EN55014, EN6100-3-2, EN60529, Compliant to relevant Australian Standards, CE
Material: ABS, Self-extinguishing UL94V-0, RAL7035 Grey
Standard Filter: Self-extinguishing G3 synthetic fibre mat.
Flow Direction: Reversible

OUTDOOR UV Range
Protection: IP55
Standards (& Conformities): EN60335-1, EN55014, EN6100-3-2, EN60529, Compliant to relevant Australian Standards, CE
Material: Polycarbonate, UV Protection, RAL7035 Grey
High Efficiency Filter: Self-extinguishing G3-G4 synthetic fibre mat.
Flow Direction: Reversible

CE UKCA

FEATURES

Modern Design: A positive visual impact is provided by the modern grille design and minimal external projection. All molded parts are made of highly resistant and self-extinguishing ABS, UL94 VO grade. The standard colour is RAL7035.

Easy Maintenance: Filter mats can be easily maintained from outside of the enclosure due to the front-opening grille. Replacement of soiled filter mats takes only a few seconds without the use of tools.

Wide Range of Air Flow Ratings: 26m3/h to 700m3/h

Optimal Enclosure Protection: The special configuration of the grille, foam seal gasket and filter mat ensures an IP54 protection of the enclosure.

Quick Electrical Connection: Fitted with spring terminals for faster and safer wiring. Default terminal position is above the fan but can be easily changed to bottom of fan to suit wiring needs without tools.

Reversible Fan: Default air flow direction is from outside to inside of the enclosure. If required, air flow can be reversed due to quick release fan lock system without the use of tools.

Fast Installation: Installation is fast due to the simple square cutout on the enclosure and the snap-in fixing system. No fasteners are required.

Vent Hoods: To obtain IP55 protection, use in conjunction with IP Enclosures vent hoods. Hinged vent hoods are available to provide operator access to easily maintain filters from the outside of the enclosure.

Easy Maintenance due to Front Opening Grille

Step 1: Open Grille

Step 2: Remove Filter

Step 1: Insert Filter

Step 2: Close Grille

350W Wall Mounted Air Conditioner		Vent	Outdoor UV Vent	230V Fan		115V Fan	12VDC Fan	24VDC Fan
Part Number	SKU	IP-V1000	IP-V1000-UV	IP-V1100	IP-V1100-UV	IP-V1101	IP-V1112	IP-V1124
Air flow rate (free blow)	m3/h	-	-	26 (30)			26	
Air flow rate with exit filter	m3/h	-	-	15 (18)			15	
Power supply	V/Hz	-	-	230 / 50-60		115 / 50-60	12DC	24DC
Dimensions HxWxD	mm	114x114x27		114x114x73			114x114x73	
Power consumption	W	-	-	13 (12)			3	4
Current consumption	A	-	-	0.10 (0.08)		0.14 (0.12)	0.25	0.16
Overcurrent protection	-	-	-	impedance				
Electrical connection	-	-	-	3-poles spring terminals*			2-poles spring terminals*	
Duty cycle	-	-	-	100%				
Operating temperature	-	-10 / +70 (+14/+158)						
Protection degree I Class	-	IP54	IP55 / Class I	IP54 / Class I	IP55 / Class I		IP54 / Class I	
Noise level	dB(A)	-	-	30 (35)			35	
Flow direction	-	-	-	reversible, default factory setting outside-in				
Bearing	-	-	-	ball				
Filter mat EN779	-	G2	G4	G2	G4		G2	
Cut-out Dimensions	mm	92x92	92x92	92x92				
Material	-	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035		
Replacement Filter Mat	-	IP-VF1	IP-VF1	IP-VF1		-	-	-
High Efficiency Filter Mat (G3)	-	IP-VF1X	IP-VF1X	IP-VF1X		-	-	-

150mm x 150mm 58m3/hr		Vent	Outdoor UV Vent	230V Fan		24VDC Fan	48VDC Fan
Part Number	SKU	IP-V2000*	IP-V2000-UV	IP-V2200*	IP-V2200-UV	IP-V2224	IP-V2248
Air flow rate (free blow)	m3/h	-	-	58(64)	44 (48)	58	
Air flow rate with exit filter	m3/h	-	-	43(48)	29 (32)	43	
Power supply	V/Hz	-	-	230 / 50-60		24DC	48DC
Dimensions HxWxD	mm	150x150x37		150x150x86			
Power consumption	W	-	-	22 (21)		9	13
Current consumption	A	-	-	0.14 (0.12)		0.37	0.27
Overcurrent protection	-	-	-	impedance			
Electrical connection	-	-	-	3-poles spring terminals*		2-poles spring terminals	
Duty cycle	-	-	-	100%			
Operating temperature	°C (°F)	-10 / +70 (+14/+158)					
Protection degree | Class	-	IP54	IP55 / Class I	IP54 / Class I	IP55 / Class I	IP54 / Class I	
Protection degree | Class	dB(A)	-	-	43 (49)		45	
Flow direction	-	-	-	reversible, default factory setting outside-in			
Bearing	-	-	-	ball			
Filter mat EN779	-	G3	G4	G3	G4	G3	
Cut-out Dimensions	mm	124x124	124x124	124x124			
Material	-	ABS UL94V-0 color RAL7035*	Polycarbonate; Colour RAL703	ABS UL94V-0 color RAL7035*	Polycarbonate; Colour RAL703	ABS UL94V-0 color RAL7035*	
Replacement Filter Mat	-	IP-VF2	IP-VF2	IP-VF2		-	-
High Efficiency Filter Mat (G4)	-	IP-VF2X	IP-VF2	IP-VF2X		-	-

*Available in Black IP-V2000-BLK; IP-V2200-BLK

204mm x 204mm 115m3/hr		Vent	Outdoor UV Vent	230V Fan		24VDC Fan	48VDC Fan
Part Number	SKU	IP-V3000*	IP-V3000-UV	IP-V3200	IP-V3200-UV	IP-V3224	IP-V3248
Air flow rate (free blow)	m3/h	-	-	115 (125)	94 (102)	115	
Air flow rate with exit filter	m3/h	-	-	84 (97)	62 (71)	84	
Power supply	V/Hz	-	-	230 I 50-60		24DC	48DC
Dimensions HxWxD	mm	204x204x37		204x204x104			
Power consumption	W	-	-	22 (21)		9	13
Current consumption	A	-	-	0.14 (0.12)		0.37	0.27
Overcurrent protection	-	-	-	impedance			
Electrical connection	-	-	-	3-poles spring terminals*		2-poles spring terminals*	
Duty cycle	-	-	-	100%			
Operating temperature	°C (°F)	-10 / +70 (+14/+158)					
Protection degree | Class	-	IP54	IP55 / Class I	IP54 / Class I	IP55 / Class I	IP54 / Class I	
Protection degree | Class	dB(A)	-	-	43 (49)		45	
Flow direction	-	-	-	reversible, default factory setting outside-in			
Bearing	-	-	-	ball			
Filter mat EN779	-	G3	G4	G3	G4	G3	
Cut-out Dimensions	mm	177x177	177x177	177x177			
Material	-	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035	
Replacement Filter Mat	-	IP-VF3	IP-VF3	IP-VF3		-	-
High Efficiency Filter Mat (G4)	-	IP-VF3X	IP-VF3X	IP-VF3X		-	-

Note: Filter Vents and Fans are also available in Black colour upon request.

250mm x 250mm 125m3/hr

250mm x 250mm 125m3/hr		Vent	Outdoor UV Vent	230V Fan		24VDC Fan	48VDC Fan
Part Number	SKU	IP-V4000*	IP-V4000-UV	IP-V4200	IP-V4200-UV	IP-V4224	IP-V4248
Air flow rate (free blow)	m3/h	-	-	125 (135)	110 (120)	125	
Air flow rate with exit filter	m3/h	-	-	102(112)	90 (100)	102	
Power supply	V/Hz	-	-	230 I 50-60		24DC	48DC
Dimensions HxWxD	mm	250x250x38		250x250x107			
Power consumption	W	-	-	22 (21)		9	13
Current consumption	A	-	-	0.14 (0.12)		0.37	0.27
Overcurrent protection	-	-	-	impedance			
Electrical connection	-	-	-	3-poles spring terminals*		2-poles spring terminals*	
Duty cycle	-	-	-	100%			
Operating temperature	°C (°F)	-10 / +70 (+14/+158)					
Protection degree I Class	-	IP54	IP55 / Class I	IP54 / Class I			
Protection degree I Class	dB(A)	-	-	43 (49)		45	
Flow direction	-	-	-	reversible, default factory setting outside-in			
Bearing	-	-	-	ball			
Filter mat EN779	-	G3	G4	G3	G4	G3	
Cut-out Dimensions	mm	224x224					
Material	-	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035	
Replacement Filter Mat	-	IP-VF4	IP-VF4	IP-VF4		-	-
High Efficiency Filter Mat (G4)	-	IP-VF4X	IP-VF4X	IP-VF4X		-	-

250mm x 250mm 255m3/hr to 410m3/hr

250mm x 250mm 255m3/hr to 410m3/hr		Vent	Outdoor UV Vent	230V		115V	24VDC	48VDC	230V		115V	400V
Part Number	SKU	IP-V4000	IP-V4000-UV	IP-V4300	IP-V4300-UV	IP-V4301	IP-V4324	IP-V4348	IP-V4400	IP-V4400-UV	-	IP-V4440
Air flow rate (free blow)	m3/h	-	-	255(290)	210 (240)	255(290)	25		410 (445)	340 (365)	410 (445)	
Air flow rate with exit filter	m3/h	-	-	202(235)	166 (190)	202(235)	202		280 (302)	230 (250)	280 (302)	
Power supply	V/Hz	-	-	230 I 50-60		115 / 50-60	24DC	48DC	230 / 50-60		115/50-60	400 / 50-60
Dimensions HxWxD	mm	250x250x38		250x250x107					250x250x136			
Power consumption	W	-	-	40 (38)			26	33	70 (90)			60 (70)
Current consumption	A	-	-	0.17 (0.16)		0.34 (0.32)	1.08	0.68	0.40 (0.38)		0.80 (0.76)	0.18 (0.15)
Overcurrent protection	-	-	-	thermal			impedance		thermal			
Electrical connection	-	-	-	3-poles spring terminals*			2-poles spring terminals*		3-poles spring terminals*			4-p st*
Duty cycle	-	-	-	100%								
Operating temperature	°C (°F)	-10 / +70 (+14/+158)										
Protection degree I Class	-	IP54	IP55 / Class I	IP54 / Class I	IP55 / Class I	IP54 / Class I				IP55 / Class I		IP54 / Class I
Protection degree I Class	dB(A)	-	-	53 (58)			61		65 (68)			
Flow direction	-	-	-	reversible, default factory setting outside-in								
Bearing	-	-	-	ball								
Filter mat EN779	-	G3	G4	G3	G4	G3				G4		G3
Cut-out Dimensions	mm	224x224										
Material	-	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035				Polycarbonate; Colour RAL7035		ABS UL94V-0 color RAL7035
Replacement Filter Mat	-	IP-VF4	IP-VF4	IP-VF4			-	-	IP-VF4		-	-
High Efficiency Filter Mat (G4)	-	IP-VF4X	IP-VF4X	IP-VF4X			-	-	IP-VF4X		-	-

325mm x 325mm 550m3/hr to 700m3/hr

325mm x 325mm 550m3/hr to 700m3/hr		Vent	Outdoor UV Vent	230V Fan		230V Fan		115V Fan
Part Number	SKU	IP-V5000	IP-V5000-UV	IP-V5400	IP-V5400-UV	IP-V5500	IP-V5500-UV	IP-V5501
Air flow rate (free blow)	m3/h	-	-	550 (620)	440 (490)	700 (770)	595 (655)	700 (770)
Air flow rate with exit filter	m3/h	-	-	405 (450)	325 (360)	520 (575)	440 (490)	520 (575)
Power supply	V/Hz	-	-	230 I 50-60		230 / 50-60		115 / 50-60
Dimensions HxWxD	mm	325x325x42		325x325x140		325x325x154		
Power consumption	W	-	-	70 (90)		130 (180)		
Current consumption	A	-	-	0.40 (0.38)		0.55 (0.81)		1.10 (1.62)
Overcurrent protection	-	-	-	thermal				
Electrical connection	-	-	-	3-poles spring terminals*		3-poles spring terminals*		
Duty cycle	-	-	-	100%				
Operating temperature	°C (°F)	-10 / +70 (+14/+158)						
Protection degree I Class	-	IP54	IP55 / Class I	IP54 / Class I	IP55 / Class I	IP54 / Class I	IP55 / Class I	IP54 / Class I
Protection degree I Class	dB(A)	-	-	65 (68)		72 (73)		
Flow direction	-	-	-	reversible, default factory setting outside-in				
Bearing	-	-	-	ball				
Filter mat EN779	-	G3	G4	G3	G4	G3	G4	G3
Cut-out Dimensions	mm	291x291	291x291	291x291				
Material	-	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035	Polycarbonate; Colour RAL7035	ABS UL94V-0 color RAL7035
Replacement Filter Mat	-	IP-VF5	IP-VF5	IP-VF5		IP-VF5		-
High Efficiency Filter Mat (G4)	-	IP-VF5X	IP-VF5X	IP-VF5X		IP-VF5X		-

Note: Filter Vents and Fans are also available in Black colour upon request.

Thermal Control - Ventilation
Roof Vents & Roof Fans

RV/RFV

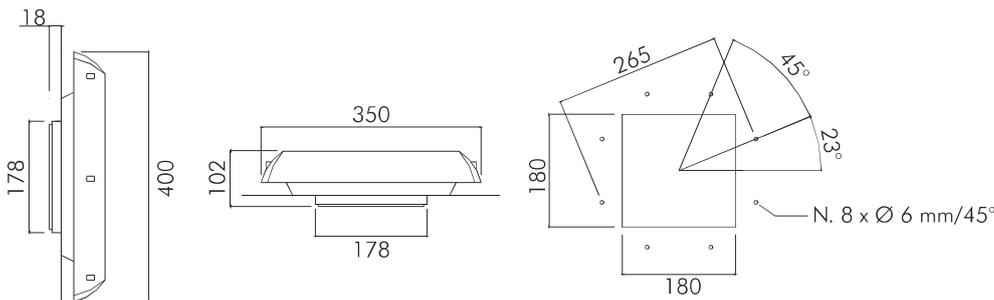## 230VAC | 600M3/H TO 1500M3/H | IP44, IP54

Features & Specifications

IP Enclosures provide a wide range of ventilation products for electrical enclosures. All molded parts are made of highly resistant and self-extinguishing ABS. IP Enclosures ventilation products are manufactured to the highest quality in Italy.

Protection: IP44

Standards (& Conformities): CE UKCA

Material: ABS UL94V-0 color RAL7035 | Steel Color RAL7035

Features	Unit	Roof Vent IP-RV1	600m3 Fan IP-RFV1	800m3 Fan IP-RFV2	1000m3 Fan IP-RFV3	Roof Vent IP-RV4	1500m3 Fan IP-RFV4
Air flow rate (free blow)	m3/h	-	600/(625)	860/(950)	1000/(1050)	-	1500/(1550)
Flow rate with filter fan	m3/h	-	430/(450)	580/(640)	700/(720)	-	900/(950)
Power supply	V/Hz	-	230-50/60	230-50/60	230-50/60	-	230-50/60
Dimensions HxWxD	mm	400x350x102				540x390x150	540x390x128
Power consumption	W	-	70/(90)	85/(115)	120/(170)	-	160/(215)
Current consumption	A	-	0.32/(0.40)	0.43/(0.50)	0.50/(0.75)	-	0.70/(0.98)
Overcurrent protection	-		thermal			-	thermal
Electric connection	-	-	4-pole terminal 2.5 mm²			-	4-pole terminal 2.5 mm²
Duty cycle	-	-	100%			-	100%
Operating temperature	°C(°F)	-10/+70 (+14/+158)				-20/+50 (-4/+22)	-10/+70 (+14/+158)
Protection degree enclosure side	-			IP44			
Protection class	-	-	Class I			-	Class I
Noise level	dB(A)	-	64(65)	72(73)	72(73)	-	74(75)
Flow direction	-	-	inside-out			-	inside-out
Bearing	-	-	ball			-	ball
Service life (at 40°C)	hr	-	50.000			-	50.000
Material	-	ABS UL94V-0 Color RAL7035				Steel Color RAL7035	
Gasket	-	Self Adhesive					PVC
Weight (with packaging)	kg	2.30(2.50)	3.65(3.85)	4.00(4.20)	4.75(4.95)	5.2(5.5)	11.3(12.3)
Package dimensions	mm	410x360x130				550x400x140	
Mounting	-			Screws			
Conformity/Certifications	-			CE			