

Num: ELDON_200712_16

RFU Roof Filterfan Unit
REU Roof Exhaust Unit



Save time and money on installation!

On average, 75% of the total cost for an electrical automation and control enclosure is labor. To help save time and money in the workshop, Eldon introduces a new range of roof units.

These new units pack a set of unique features to suit your needs:

- Modern design
- Time saving, Click-and-Fit installation without screws
- Wide range of air flow capacities, from 350 m³/h to 1000 m³/h
- Square model that can be turned to shorten wiring and save time.
- Highest IP rating in the market, up to IP54
- One cut-out dimension for the whole range, to make upgrading easy

All models are cUL approved. Available voltages are 115VAC, 50/60Hz and 230VAC, 50/60Hz.

The new Eldon RFU roof units will replace the current range of RVU roof units. The REU01 will be replaced with the REU03 (IP33) and the REU05 (IP54).

All models will be delivered in RAL7035. To easily show the colour change, all article numbers will end with "R5", e.g. RFU5005R5.

The new RFU and REU are available from stock.

H	W	D	Installation depth	Cutout dimension	Air flow free flow	Air flow comb. w. exhaust filter	Voltage	IP rating	Art no
125	430	430	50	291 x 291	500	260	230VAC, 50/60Hz	IP33	RFU5003R5
125	430	430	50	291 x 291	350	230	230VAC, 50/60Hz	IP54	RFU5005R5
140	470	470	50	291 x 291	700	400	230VAC, 50/60Hz	IP33	RFU7003R5
140	470	470	50	291 x 291	550	350	230VAC, 50/60Hz	IP54	RFU7005R5
140	470	470	50	291 x 291	1000	550	230VAC, 50/60Hz	IP33	RFU10003R5
140	470	470	50	291 x 291	750	470	230VAC, 50/60Hz	IP54	RFU10005R5
125	430	430	50	291 x 291	500	260	115VAC, 50/60Hz	IP33	RFU5013R5
125	430	430	50	291 x 291	350	230	115VAC, 50/60Hz	IP54	RFU5015R5
140	470	470	50	291 x 291	700	400	115VAC, 50/60Hz	IP33	RFU7013R5
140	470	470	50	291 x 291	550	350	115VAC, 50/60Hz	IP54	RFU7015R5
140	470	470	50	291 x 291	1000	550	115VAC, 50/60Hz	IP33	RFU10013R5
140	470	470	50	291 x 291	750	470	115VAC, 50/60Hz	IP54	RFU10015R5
110	430	430	35	291 x 291	-	-	-	IP33	REU03R5
110	430	430	35	291 x 291	-	-	-	IP54	REU05R5

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The new RFU/REU Eldon Filterfan unit combines modern design, unequalled protection rate (up to IP54!) and time saving installation (just Click and fit). Air flows from 350 up to 1000 m³/h make sure your equipment is kept cool to safeguard your operations. And all sizes are interchangeable with only one cut-out dimension.



Airflow data	RFU50x3	RFU50x5	RFU70x3	RFU70x5	RFU100x3	RFU100x5	REU03	REU05
IP rating	IP33	IP54	IP33	IP54	IP33	IP54	IP33	IP54
Airflow free flow (m ³ /h)	500	350	700	550	1000	750	-	-
Heat removal capacity free flow	161 W/K	113 W/K	226 W/K	177 W/K	323 W/K	242 W/K	-	-
Airflow in combination with exhaust filter (m ³ /h)	260	230	400	350	550	470	-	-
Heat removal capacity in combination with exhaust filter	84 W/K	74 W/K	129 W/K	113 W/K	177 W/K	152 W/K	-	-
Maximum static pressure (airflow = 0 m ³ /h)	71 Pa		88 Pa		158 Pa		-	-
Filtration efficiency	-	81%	-	81%	-	81%	-	81%
Filter material grade	-	G 3	-	G 3	-	G 3	-	G 3
Duty cycle	100%						-	-
Noise level dB(A)	67		69		77		-	-

"x" is depending on version and voltage. All units are supplied in RAL7035. This is designated by adding a "R5" to the article number, e.g. RFU5003R5

Technical data	RFU50xx	RFU70xx	RFU100xx	REU0x
H x W x D x Installation depth (mm)	125 x 430 x 430 x 50	140 x 470 x 470 x 50	140 x 470 x 470 x 50	110 x 430 x 430 x 35
Construction material	metal chassis, cover powder coated; snap-in body of sprayed thermoplastic (ABS-FR) self extinguishing, UL-94 VO			
Weight	5,5 kg	5,8 kg	6,0 kg	3,1 kg
Colour	RAL7035, other colours on request			
Type of connection	Terminal strip			-

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230VAC versions

Electrical data	RFU5003	RFU5005	RFU7003	RFU7005	RFU10003	RFU10005
Rated voltage	230V 50/60 Hz +/- 10%					
IP rating	IP33	IP54	IP33	IP54	IP33	IP54
Power consumption 230VAC	4x28/24 W	4x28/24 W	65 / 80 W	65 / 80 W	115 / 150 W	115 / 150 W

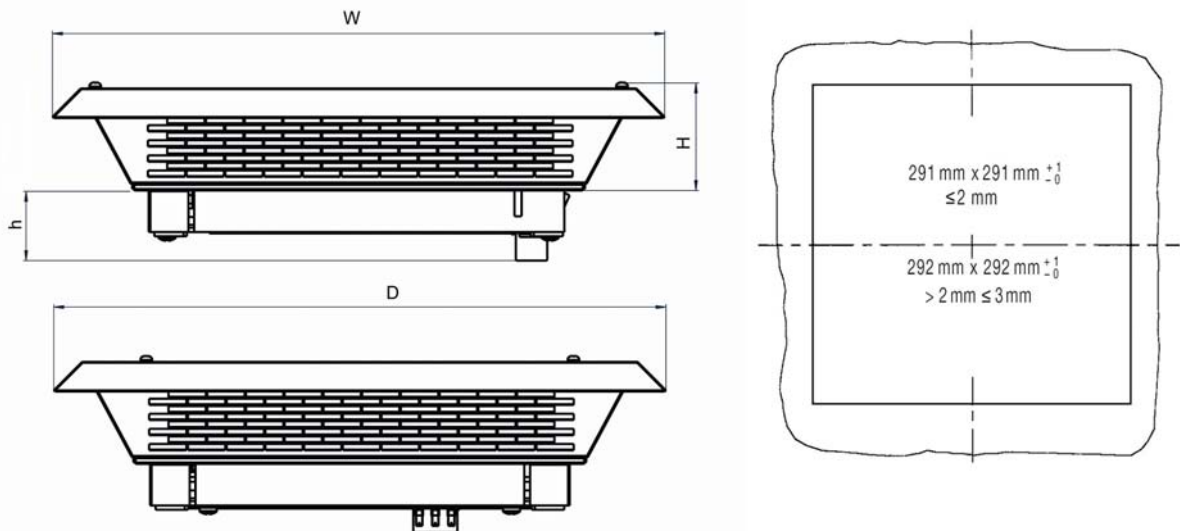
115VAC versions

Electrical data	RFU5013	RFU5015	RFU7013	RFU7015	RFU10013	RFU10015
Rated voltage	115V 50/60 Hz +/- 10%					
IP rating	IP33	IP54	IP33	IP54	IP33	IP54
Power consumption 115VAC	4x29 /24 W	4 x29/24 W	75 / 90 W	75 / 90 W	110 / 170 W	110 / 170 W

All parts are standard supplied in RAL7035. The colour is shown by adding "R5" to the article number, e.g. RFU5003R5.

Supplementary data	RFU50xx	RFU70xx	RFU100xx	REU0x
Operating temperature	-10°C to +55°C			
Storage temperature	-20°C to +70°C			
Maximum relative humidity	90%			
Protection rating	IP 33, IP54 (EN 60529), when used as recommended			
Accessories	radiant heater, fan heater, thermostat			filterfan
Tolerances installation cut-out	291 ⁺¹ / ₀ thickness of material to 2mm; 292 ⁺¹ / ₀ thickness of material > 2mm ≤3mm			
Approvals	cUL approval			

Dimensions and cut-out:



W = D, for H, W, D and h (=installation depth) see tables

For more information contact your local Eldon Distributor or go to www.eldon.com