

# TRITON ECO ROOF FAN



## Roof fan for Radon Gas Extraction

### Triton Eco Roof Fans:

- Energy efficient roof fan with EC Motor
- For the ventilation of homes, offices, commercial premises, public buildings – wherever fresh air is required.
- Provides low level continuous ventilation to control condensation and pollutants
- Will extract radon gas or ventilate an ecological toilet
- Motor speed controlled by potentiometer
- Low running costs
- Compliant with Building Regulations Parts L1 2010 and F2010



### GENERAL FEATURES

- Energy efficient roof fans with EC motor
- Can be used in homes to extract from bathrooms and kitchens (will exhaust **Radon Gas**).
- Can also be used to remove polluted and humid air from offices, commercial premises, workshops, public buildings
- Is ideal for ventilation in lift shafts
- Will help basement areas, garages and store-rooms to stay dry and pollutant free
- Continuous air movement ensures that any condensation quickly evaporates
- Runs continuously and energy efficiently
- Speed is controlled by a potentiometer located in link box in cowl of fan
- The **Triton ECO Roof 190** model can be used with a 0-10v motor controller
- **Extremely low running costs**
- Low carbon footprint

### TECHNICAL FEATURES

- Corrosion, weather and impact resistant, solid coloured polypropylene
- UV protected
- Chemically neutral – does not harm the environment
- Available in: Black, Green, Grey, Red, Brick Red or Light Grey

### COMPLIES WITH

- Part L1 2010 of Building Regulations for enhanced energy saving capability
- Part F 2010 of Building Regulations for reliable, efficient ventilation
- IEC 60335-2-80, BT 2006/95/CE and EMC 2004/108/CE European Directive against radio interference and electro-magnetic compatibility
- CE marked
- ErP Directive 2015 Compliant

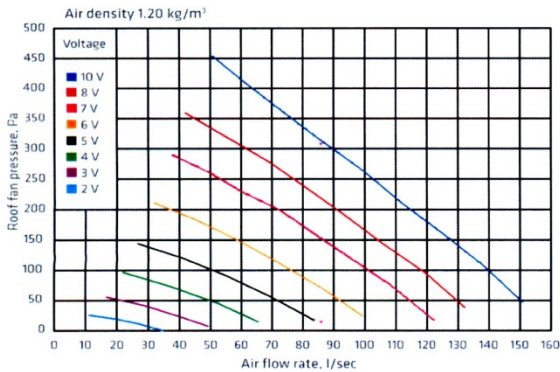
### MODELS AVAILABLE

- **TRITON Eco Roof 110P** – for installing on a roof
- **TRITON Eco Roof 110S** – for installing on a flat surface (either directly or with optional 250 x 250mm installation kit)
- **TRITON Eco Roof 110C** – cone model for installation inside a sheet steel cone
- **TRITON Eco Roof 190P** – for installing on a roof. Incorporates 50mm insulation which absorbs sound (inner pipe for galvanised, perforated sheet metal with lip seal)
- **TRITON Eco Roof 190S** – for installing on a flat surface (either directly or with optional 300 x 300mm installation kit)

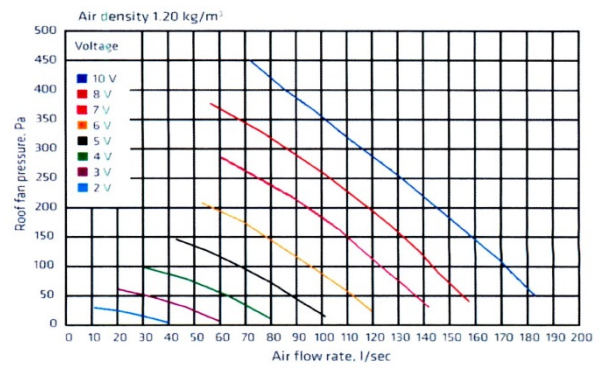


Model	Power	Current	Volts	R.P.M	Speed Control
TRITON Eco 110	83W	0.75 A	230V / 50Hz	3200	Potentiometer
TRITON Eco 190	83W	0.75 A	230V/50Hz	3200	0-10V signal or PWM

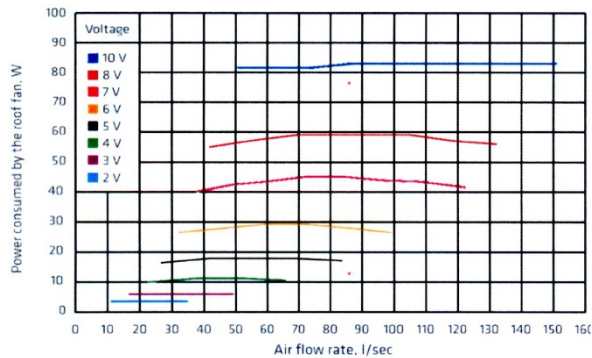
Performance – Triton Eco Roof 110



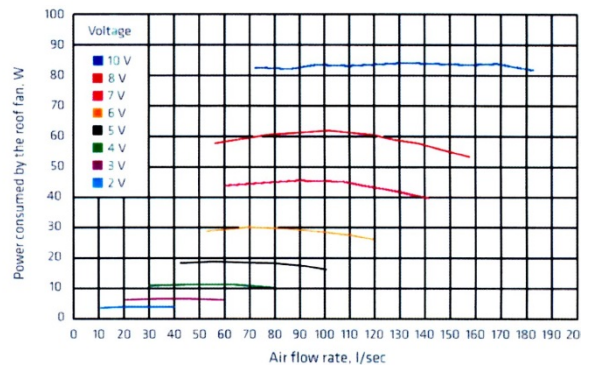
Performance – Triton Eco Roof 190



Power – Triton Eco Roof 110



Power – Triton Eco Roof 190



Flow and Sound – Triton Eco Roof 110

U	V	2	3	4	5	6	7	8	10
qv	l/s	10.9	28.6	36.9	54.7	59.2	72.7	80.6	99.8
pF	Pa	26.3	40.8	74.3	91.9	14	198	239	263
Pe	W	3.9	6.5	11	17.9	28.5	44.4	58.7	83.9
N	1/min	772	1099	1452	1771	2113	2477	2731	3049
LW63	dB	55.6	59.1	63.8	66.1	57.5	69.4	71	72.9
LW125	dB	54.9	59.2	63.7	66.4	70.5	73.7	74.1	76.8
LW250	dB	52.6	58.2	62	66.3	73	72.9	77.2	76.8
LW500	dB	44.3	51.2	57.3	60.8	64.4	67.5	70.1	73.8
LW1000	dB	38.6	47.4	54.5	58.2	62	65.4	67.4	69.5
LW2000	dB	26.9	38.3	45.6	50.7	54.7	58.5	60.6	62.9
LW4000	dB	*	21.8	32.7	39.7	45.5	50.2	53.1	56.3
LW8000	dB	*	*	21.6	31	38.7	44.5	48.	51.5
LW	dB	59.5	64	68.6	71.7	76.2	77.9	80.3	81.8
LWA	dB(A)	47.2	53.7	59.3	63	67.9	70.2	73.4	74.7

Flow and Sound – Triton Eco Roof 190

U	V	2	3	4	5	6	7	8	10
qv	l/s	10.8	20.5	46.8	67.6	84	707	20	132
pF	Pa	30.6	61.2	79.7	102	135	164	196	251
Pe	W	4	6.6	11.6	19	29.6	45	60.6	84.2
N	1/min	807	1155	1474	1818	2161	2536	2810	3122
LW63	dB	*	55.5	54.6	58.6	61.6	63.9	78.9	67
LW125	dB	40.5	53.5	53.5	58.1	62.1	65.9	67.1	68.4
LW250	dB	37.2	43.5	48.1	57	59.5	64.7	65.3	66.9
LW500	dB	21.4	30.8	37.5	44.8	50	54.4	56.7	59.8
LW1000	dB	*	16.9	24.4	33.8	41.7	41.1	49.7	52.4
LW2000	dB	*	*	13.9	25.5	33.5	41.6	44.9	49.5
LW4000	dB	*	*	*	15	27.7	36.6	40.3	44.2
LW8000	dB	*	*	*	*	21	28.9	33.8	38
LW	dB	42.2	57.8	57.6	62.8	66.1	69.8	79.4	72.6
LWA	dB(A)	29.6	39	42.1	49.2	53.2	58.9	60.1	61.7

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