EC Aura II

Document No: 210-OMI14337
Issue No: 2
Part No: EC Aura 2
Manufacturer: ebm-papst UK Ltd

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Safety

- **WARNING DANGER OF ELECTRIC SHOCK**
- Manual handling limits must be observed when using this appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons to avoid a hazard.

Warning

Risks involved with this appliance are:

- Electrical
- Moving Parts

Specification

Part Number	EC Aura2
Class	Class I Stationary Appliance with a type Y attachment
Degree of Protection	IP40
Current	2.9A
Voltage	230V (200-277V)
Frequency	50/60Hz
Power	650W
Weight	22.5kg
Ambient Temperature	Min: -25°C, Max: +60°C

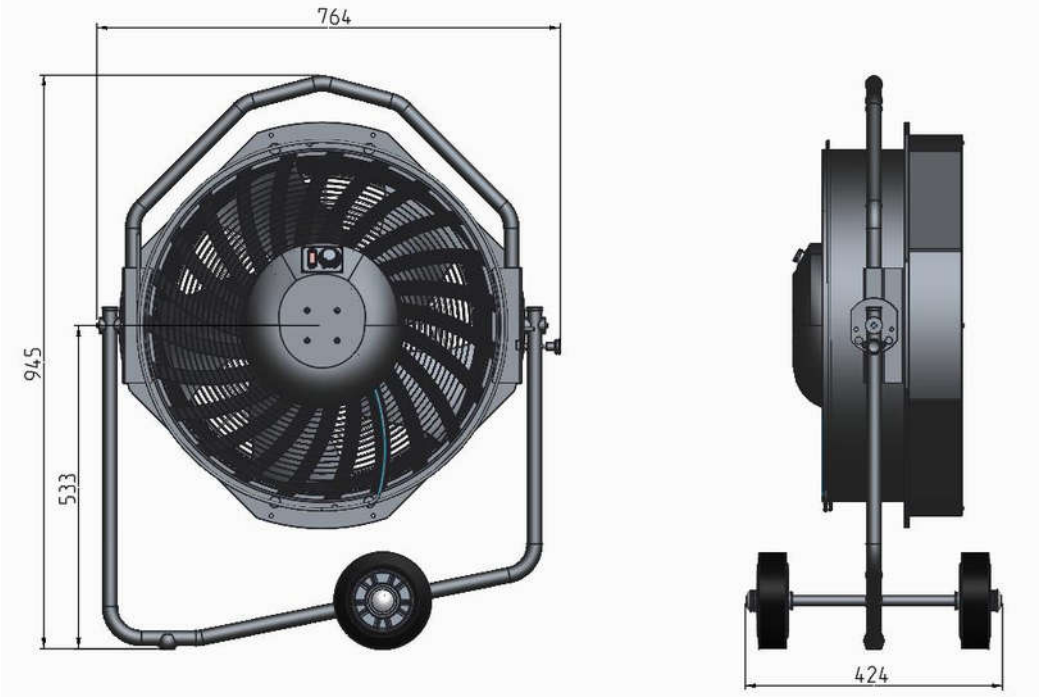


Figure 1: Outline Dimensions

Eco-Design Regulations for Fans 327/2011

		Actual	Target (2015)
01	Overall efficiency η_{es} (%)	52.4	32.4
02	Measurement category	A	
03	Efficiency category	Static	
04	Efficient grade N	60	40
05	Variable speed drive	Yes	
06	Date of Manufacture	Date of Manufacture on identification label of appliance denoted as: WW/YY	
07	Manufacturer	ebm-papst UK Ltd 3 Springfield Lyons Approach Chelmsford Business Park Chelmsford Essex CM2 5EZ United Kingdom	
08	Product Model Number	W3G500-ZM03-I1	
09_1	Power consumption P_{ed} (kW)	0.63	
09_2	Airflow q_v (m^3hr)	5,895	
09_3	Pressure increase p_{fs} Pa	184	
10	Speed (rpm) n (min^{-1})	1,330	
11	Specific ratio	1.00	
12	Disassembly, recycling and disposal at end-of-life	Information is provided within the Operation & Maintenance Instructions.	
13	Maintenance	Information is provided within the Operation & Maintenance Instructions.	
14	Additional components	No additional components where used when determining the efficiency of the fan.	

Table 1: Data according to fan datasheet

Overview

This product is a stand-alone wheel mounted EC fan. The base fan is a W3G500-ZM03-I1 – a 500mm Axi-Eco fan mounted in a housing with a guard grille and is fitted onto a bespoke trolley and fan frame. The product is fitted with a power lead wired directly into the motor and is speed controlled via a knob attached to a potentiometer.

Part of the design includes the ability to change the position of the fan. This is done with the use of a spring-loaded locking pin attached to a knob. When the knob is pulled, the fan can rotate 45° forwards and back, with 5 total locking positions.

Use of Connection Converter Plug

General

The appliance is supplied fitted with a supply cord and plug. The plug is a ‘schuko’ type plug to DIN VDE 0620 with a converter plug fitted over the ‘schuko’ plug for connection to a standard UK socket to BS 1363(see figure 2).



Figure 2: Converter Plug

If the appliance is to be used in a country that has mains socket suitable for use with a ‘schuko’ plug, then the converter plug can be removed with simple tools.

Warning

The converter plug should not be removed whilst connected to a mains socket.

Removal of Converter Plug

The appliance is supplied with the converter plug fitted over the ‘schuko’ plug.

- Loosen screws off converter plug shown in figure 3.



Figure 3: Loosen screws



Figure 4: Release barbed clips

- Insert small screwdriver to release barbed clips holding housing together.
- Lift top housing, allowing removal of ‘schuko’ plug.

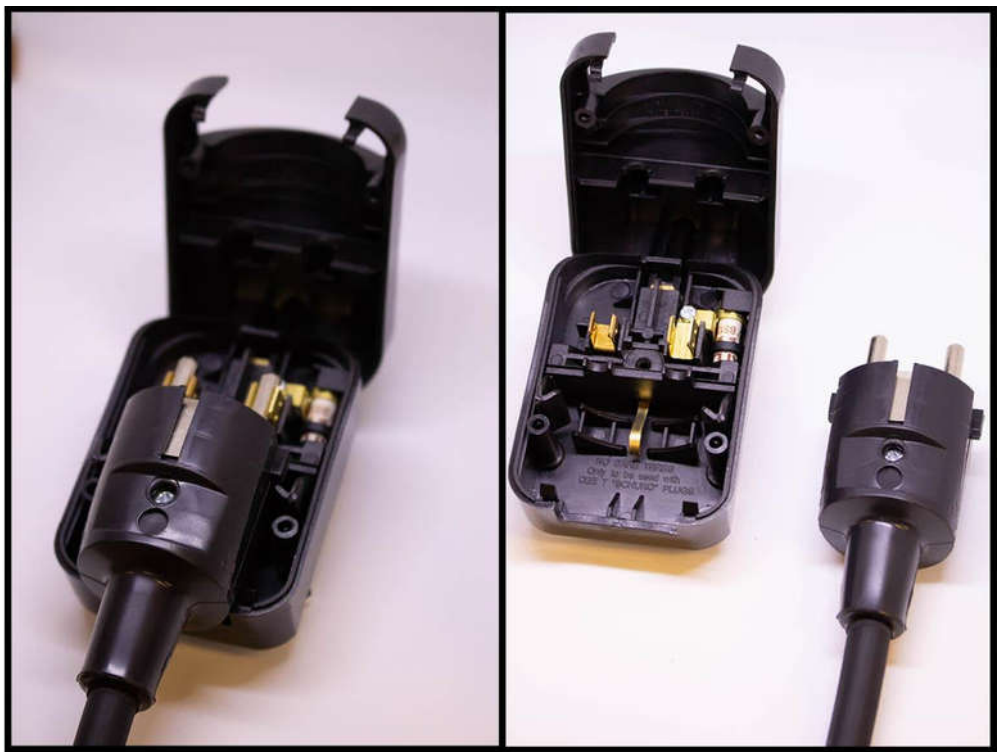


Figure 5: Removal of housing

Operating Instructions

- This product is an appliance to assist cooling by blowing a jet of air. The appliance shall be connected to a mating mains socket and power turned on.
- There is a switch to turn the appliance on and off on the top of the motor cover. **Warning! This does not isolate the appliance. To isolate the appliance, disconnect the plug and supply cord from the mains supply socket.**
- When the switch is placed in the “On” position, the speed of the fan and the volume of air moved is adjusted by rotating the knob on the motor cover.
- The appliance can be tilted to angle the airflow up or down. This is done by pulling the knob on the side of the appliance and retracting the locking pin. The appliance can then be moved by up to two points of rotation forward and backward. **Warning! Ensure supply cord does not become jammed.**
- The appliance can be moved using the fixed wheels. **Warning! Do not move appliance during operation.**

Maintenance

- Electric Strength Test: the regular high-voltage test must be undertaken with a DC voltage to avoid damaging internal electronic components.
- A replaceable 5A fuse is fitted in the plug.
- This appliance contains no user serviceable parts.
- Clean with damp cloth only. **Warning! Do not jet or power wash.**
- **Warning! Guards are not removed for cleaning purposes.**
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons to avoid a hazard.

WEEE

ebm-papst UK Ltd complies with the Waste Electrical and Electronic Equipment (WEEE) regulations through membership of a producer compliance scheme (PCS) as a B2B producer. WEEE Producer registration number: WEEE/CA0209WR

End of Life

This product has been designed to consider re-use and end-of-life disposal. The parts likely to wear during use, such as the spring pin mechanism, electric motor/fan and speed control unit are designed for easy repair or replacement. The manufacturer should undertake the repair of the components, but a suitably qualified and competent person can undertake replacement of the components, enabling the life of the product to be extended.

Take Back Policy

As part of our commitment to minimise the disposal of Waste Electrical and Electronic Equipment (WEEE) customers can return the product at the end of its life. Please contact us on 01245 468555 for details and issue of an end-of-life RMA number.

Trolley Assembly

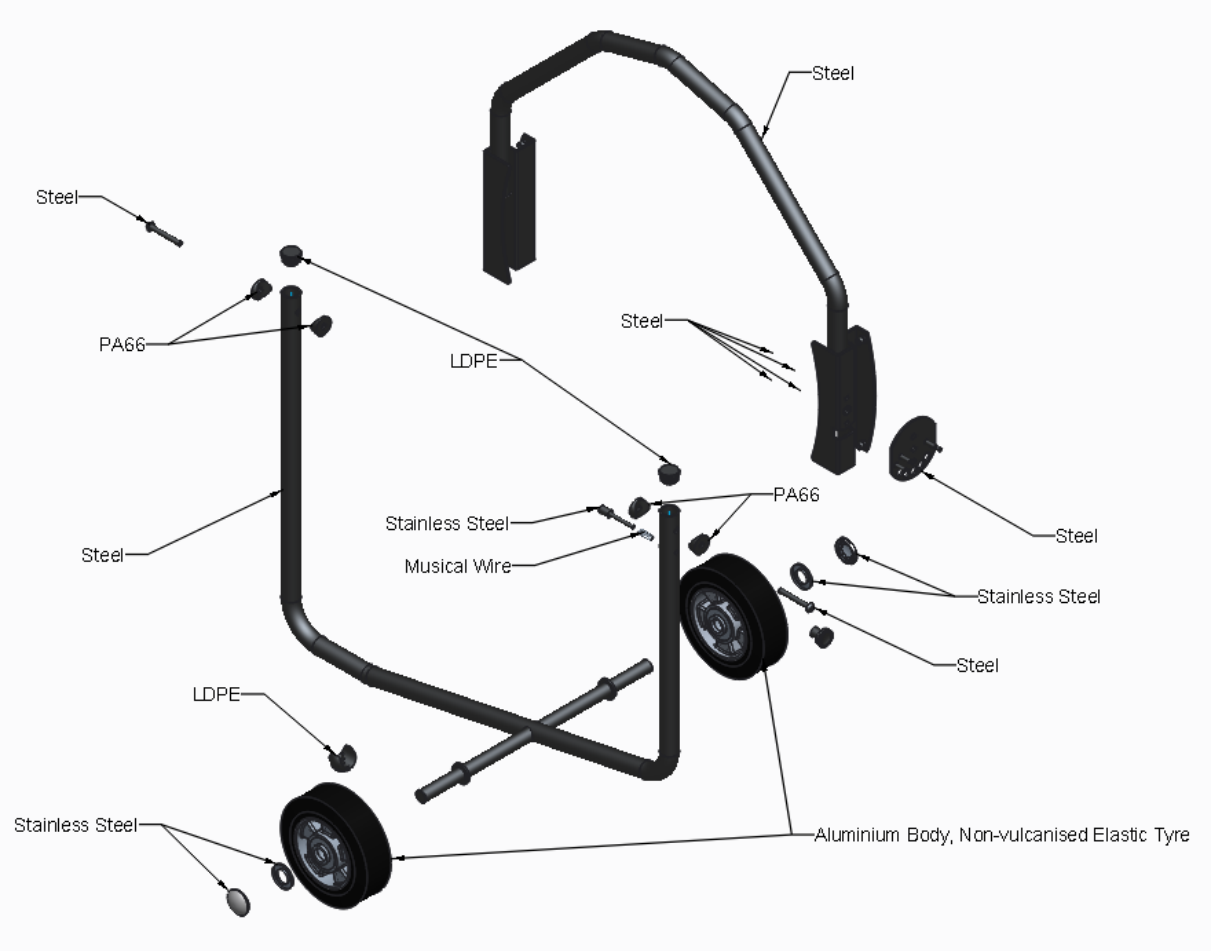


Figure 6: Trolley Assembly

Fan Assembly

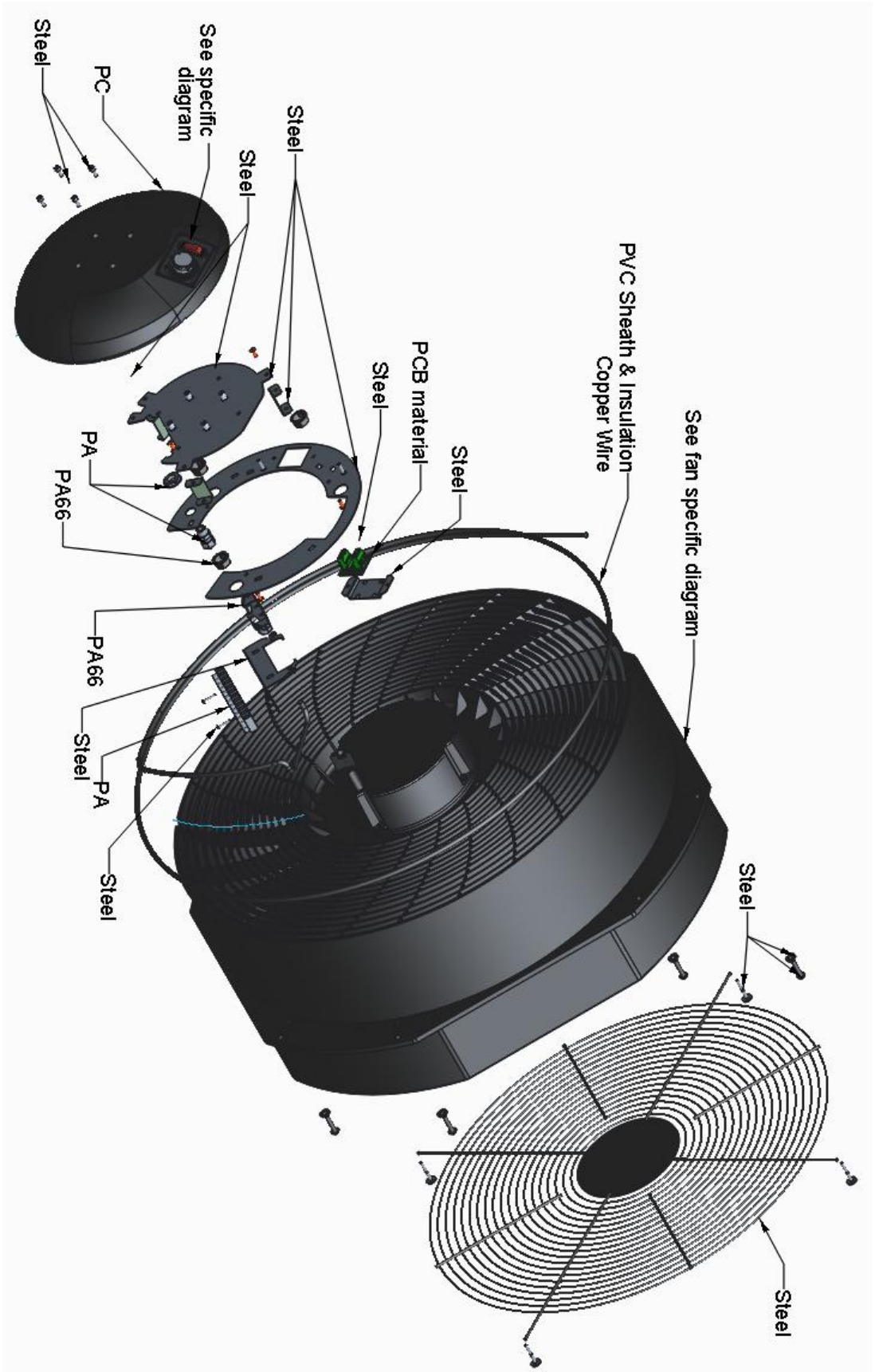


Figure 7: Fan Assembly

Fan Housing



Figure 8: Fan Housing

Control Assembly

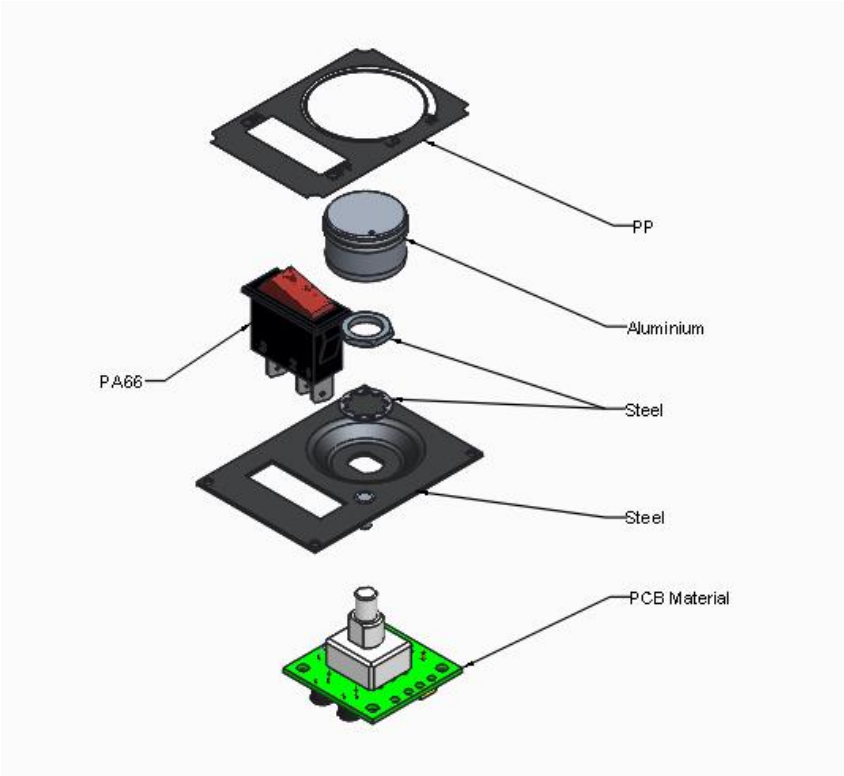


Figure 9: Control Assembly

OMI-ECAURAII-2025-05-V02

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