

# Clarke®



## VENTILATION FAN

MODEL NO: CAM200B, 250B & 300B

PART NO: 3230442, 3230452 & 3230462

## OPERATION & MAINTENANCE INSTRUCTIONS

UK  
CA | CE



ORIGINAL INSTRUCTIONS

DL0722 - ISS 3

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## INTRODUCTION

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Thank you for purchasing this CLARKE Ventilation Fan which is designed for indoor use in an industrial environment.

Read this manual carefully, in doing so you guarantee the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

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## SAFETY RULES

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Make sure that you read, understand and comply with the following rules.

### POSITIONING

- This fan is designed for indoor use only.
- Be aware that the suction capability is considerable. Do not position the fan where it will blow dust, chips or hazardous fumes at people.
- DO NOT place the fan close to any wet surface. DO NOT place against any surface such as a wall, door or furniture etc.
- DO NOT place the fan on a raised surface or anywhere it could topple over.
- Only use the fan in a level position.
- Take care to ensure that the intake grille cannot be blocked by curtains or other fabrics. Do not allow loose clothing, long hair, jewellery etc. to be drawn into the intake side of the fan.
- Do not operate the fan in explosive atmospheres such as in the presence of flammable liquids, gasses or dust such as in a paint spray booth. Electric motors create sparks which may ignite dust or fumes.
- DO NOT cover the fan or obstruct the air inlet and outlet sections of the ventilator.
- DO NOT get the fan wet or use in areas of high condensation.
- DO NOT allow the power cable to touch hot surfaces.
- Do not use this fan with a programmable timer used to switch it on automatically.

### PERSONNEL SAFETY

- DO NOT use the fan when you are tired or under the influence of alcohol, drugs or intoxicating medication.

- DO NOT stand on the fan.
- DO NOT use the fan with wet hands or when there is water on the power cable.
- Young children must be kept away unless continuously supervised.

## **ELECTRICAL SAFETY**

- Inspect the power cable / plug for damage/looseness. Do not use the fan if the power cable is damaged.
- Make sure that the voltage on the product label is the same as the voltage of the power supply. If in doubt, consult a qualified electrician.
- Do not abuse the electrical cable. Do not use the cable for pulling or unplugging the fan.
- Keep the cable away from sources of heat, oil, sharp edges or moving parts. Damaged or tangled cables increase the risk of electric shock.
- Do not use extension cables with this fan.

## **SERVICE & REPAIRS**

- Check that the fan is in good working order. Take immediate action to have it repaired or any damaged parts replaced.
- DO NOT attempt to repair the fan yourself. Always contact the Clarke service department who will use recommended parts only. Unapproved parts may be dangerous and will invalidate your warranty.

## **ENVIRONMENTAL RECYCLING POLICY**



Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be discarded with general household waste but according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognized disposal facility.

## **GUARANTEE**

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase. This guarantee is invalid if the product is found to have been abused, tampered with, or not used for the purpose for which it was intended.

Faulty goods must be returned to their place of purchase, no product can be returned to us without prior permission. This guarantee does not effect your statutory rights.

# ELECTRICAL CONNECTIONS



**WARNING! READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY.**

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230VAC 50Hz. Connecting it to any other power source may cause damage.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.

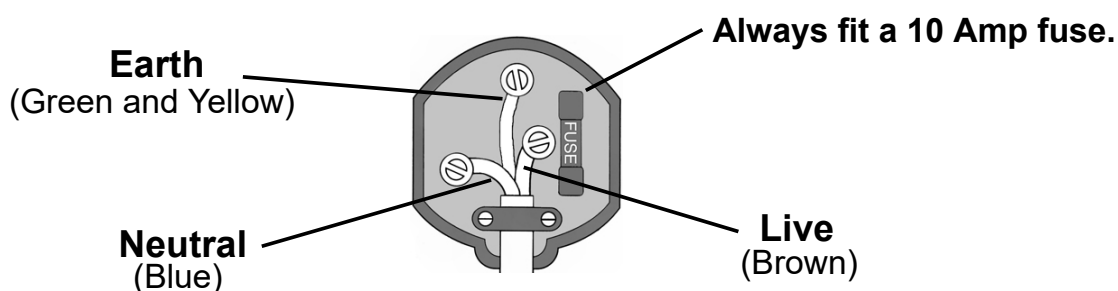


**WARNING! THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:  
Blue = Neutral    Brown = Live    Yellow and Green = Earth**

If the colours of the wires in the power cable of this product do not correspond with the markings on the terminals of your plug, proceed as follows.

- The wire which is coloured **Blue** must be connected to the terminal which is marked **N** or coloured **Black**.
- The wire which is coloured **Brown** must be connected to the terminal which is marked **L** or coloured **Red**.
- The wire which is coloured **Yellow and Green** must be connected to the terminal which is marked **E** or  or coloured **Green**.

**Plug must be BS1363/A approved.**



**Ensure that the outer sheath of the cable is firmly held by the clamp**

We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD)

If in any doubt, consult a qualified electrician. DO NOT attempt any repairs yourself.

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## CONNECTING DUCTWORK

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These ventilation fans will be used with Clarke retractable ducting available in 5 metre lengths as follows.

| To fit model | Diameter | Part No |
|--------------|----------|---------|
| CAM200B      | 8"       | 3230443 |
| CAM250B      | 10"      | 3230453 |
| CAM300B      | 12"      | 3230463 |

1. Before use, attach the ducting to the discharge end of the ventilation fan as shown, secured with the tie cord provided.
2. Place the ventilation fan in a level position on a flat surface and at a safe distance from flammable materials.
3. The ventilation fan is operated by the ON/OFF switch located under the handle.
4. Connect the ventilation fan to a suitable power supply.



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## MAINTENANCE

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**WARNING: ALWAYS DISCONNECT FROM THE POWER SUPPLY BEFORE PERFORMING ANY CLEANING OR MAINTENANCE TASKS. THIS SHOULD BE CARRIED OUT BY THE CLARKE SERVICE DEPARTMENT.**

- Clean the with a soft damp cloth, Do not use solvents or abrasives.
- If used in spaces with high dust content, clean the guards and fan blades by vacuuming or wiping. Remove the end guard to gain access to the blades.
- REPLACE GUARDS BEFORE RE-CONNECTING TO MAINS SUPPLY.
- No other maintenance is required, should you discover any problem with the ventilation fan return it to the Clarke service department for repair.

## FAILURE TO OPERATE

| Problem                                                     | Possible Cause                      | Remedy                                                                                           |
|-------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------|
| Fan does not operate although plugged in with the switch on | Plug is loose/bad connection        | Pull the plug out & check the connection of the plug and socket                                  |
|                                                             | Fuse blown or circuit breaker trips | Replace if necessary and investigate cause. If fuse blows repeatedly, consult your Clarke dealer |
|                                                             | No power at socket outlet           | Insert the plug in a functioning power socket                                                    |
| Abnormal noise                                              | Fan is not level                    | Stand fan on a level surface                                                                     |

## SPECIFICATIONS

| Model                           | CAM200B                | CAM250B                | CAM300B                |
|---------------------------------|------------------------|------------------------|------------------------|
| Air Inlet Size                  | 8 inch                 | 10 inch                | 12 inch                |
| Power supply                    | 230V/50Hz              | 230V/50Hz              | 230V/50Hz              |
| Air Output: (m <sup>3</sup> /h) | 1500 m <sup>3</sup> /h | 2700 m <sup>3</sup> /h | 3900 m <sup>3</sup> /h |
| Total Pressure                  | 245 Pa                 | 295 Pa                 | 385 Pa                 |
| Duty Cycle Classification:      | S1 (continuous)        | S1 (continuous)        | S1 (continuous)        |
| Electrical Insulation Class     | I                      | I                      | I                      |
| Product Weight                  | 9.4 kg                 | 11.2 kg                | 15.3 kg                |
| Sound Pressure Level            | 65 dB(A)               | 71 dB(A)               | 74.1 dB(A)             |
| Rpm                             | 2800                   | 2800                   | 2800                   |
| Rated pressure                  | 1.2 MPa                | 1.2 MPa                | 1.2 MPa                |
| Rated flow rate                 | 879 m <sup>3</sup> /h  | 1698 m <sup>3</sup> /h | 2379 m <sup>3</sup> /h |
| Rated motor input power         | 180W                   | 300W                   | 500W                   |
| Specific Ratio (EU no 327/2011) | 0.805                  | 0.88                   | 0.83                   |

# DECLARATION OF CONFORMITY



Hennell Street, Epping, Essex CM16 4LG

## DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following statutory requirement(s):

Electromagnetic Compatibility Regulations 2016.  
Electrical Equipment (Safety) Regulations 2016.  
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012.  
The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2020.

The following standards have been applied to the product(s):

EN 60034-1:2010, EN 60034-5:2001+A1:2007, EN 55014-1:2006/A2:2011, EN 55014-1:2017,  
EN 55014-2:1997/A2:2008, EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-3:2013,  
EN ISO 12100:2010, IEC 62321-3-1:2013, IEC 62321-6:2015, IEC 62321-7-1:2015,  
IEC 62321-7-2:2017, EN ISO 17075-1:2017.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2022

**Product Description:** 8inch, 10inch, 12inch Ventilators  
**Model number(s):** CAM200B, CAM250B, CAM300B  
**Serial / batch Number:** N/A  
**Date of issue:** 22/06/2022

Signed:

J.A. Clarke  
Director

CAM200B UKCA Clarke DDC 062222

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Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

## DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2014/30/EU Electromagnetic Compatibility Directive.  
2014/35/EU Low Voltage Equipment Directive.  
2011/65/EU Restriction of Hazardous Substances (RoHS).  
2009/125/EC Eco-design Requirements Directive.

The following standards have been applied to the product(s):

EN 60034-1:2010, EN 60034-5:2001+A1:2007, EN 55014-1:2006/A2:2011, EN 55014-1:2017,  
EN 55014-2:1997/A2:2008, EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-3:2013,  
EN ISO 12100:2010, IEC 62321-3-1:2013, IEC 62321-6:2015, IEC 62321-7-1:2015,  
IEC 62321-7-2:2017, EN ISO 17075-1:2017.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2017

**Product Description:** 8inch, 10inch, 12inch - Ventilators  
**Model number(s):** CAM200B, CAM250B, CAM300B  
**Serial / batch Number:** N/A  
**Date of issue:** 21/06/2022

Signed:

J.A. Clarke  
Director

CAM200B CE Clarke DDC 062122

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# Clarke®

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## PARTS & SERVICE:

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