

# Clarke®



## 14" HIGH VELOCITY DRUM FAN

MODEL NO: CAM14HV

PART NO: 3230235

### OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

GC0820 - ISS 2

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## INTRODUCTION

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Thank you for purchasing this CLARKE Drum Fan which is designed for indoor use. 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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## SPECIFICATIONS

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<b>Model</b>	<b>CAM14HV</b>
Product dimensions	530 x 220 x 520 mm
Drum diameter	480 mm
Fan diameter	395 mm
Swivel/tilt range	360°
Product weight	6.5 kg
Operating temperature	10 - 40°C
Power supply	230V/50Hz
Duty cycle classification:	S1 (continuous)
Ingress protection class	IPX0
Electrical insulation class	I
Rated speed settings	1 - 1100 rpm 2 - 1200 rpm 3- 1260 rpm
Rated fan flow rate: (m <sup>3</sup> /h)	66.2 m <sup>3</sup> /m
Fan power input	107.9 W
Service value	0.6 m <sup>3</sup> /m/W
Standby power consumption	0
Seasonal electricity consumption	34.5 kWh/a
Guaranteed sound power level	71 dB
Maximum air velocity	4.9 m/s

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## ENVIRONMENTAL RECYCLING POLICY

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By purchasing this product, the customer is taking on the obligation to deal with its safe disposal in accordance with the Waste Electrical and Electronic Equipment regulations (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.

If disposing of this product or any damaged components, do not dispose of with general waste. This product contains valuable raw materials. Metal products should be taken to your local civic amenity site for recycling of metal products.

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## GUARANTEE

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This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required 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.

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## SAFETY RULES

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

### POSITIONING

1. This fan is designed for indoor use only.
2. Be aware that the suction capability is considerable. DO NOT position the fan where it will blow dust, chippings or hazardous fumes at people.
3. DO NOT place the fan close to any wet surface. DO NOT place against any surface such as a wall, door or furniture etc.
4. DO NOT place the fan on a raised surface or anywhere it could topple over.
5. Only use in a level position.

6. Take care that the intake grille cannot be blocked by curtains or other fabrics. DO NOT allow loose clothing, long hair etc. to be drawn to the intake side of the fan and ensure the outlet is clear.
7. DO NOT operate the fan in explosive atmospheres such as in the presence of flammable liquids, gases or dust such as in a paint spray booth. Electric motors create sparks which may ignite dust or fumes.
8. DO NOT get the fan wet or use in areas of high condensation.
9. DO NOT operate without the safety grills secured in position.
10. DO NOT leave the fan running unattended over night.

## **PERSONNEL SAFETY**

1. DO NOT use the fan when you are tired or under the influence of alcohol, drugs or intoxicating medication.
2. DO NOT stand on the fan.
3. DO NOT use with wet hands or when there is water on the power cable.
4. Young children must be kept away unless continuously supervised.

## **ELECTRICAL SAFETY**

1. Inspect the power cable/plug for damage/looseness. DO NOT use the fan if the power cable is damaged.
2. 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.
3. DO NOT abuse the electrical cable. Do not use the cable for pulling or unplugging the fan.
4. Keep the cable away from sources of heat, oil, sharp edges or moving parts. Damaged or tangled cables increase the risk of electric shock.
5. DO NOT use extension cables with this fan.

## **SERVICE & REPAIRS**

1. Check that the fan is in good working order. Take immediate action to have it repaired or any damaged parts replaced.
2. 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.

## ELECTRICAL CONNECTIONS



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

Connect the mains lead to a standard, 230 Volt (50Hz) electrical supply through an approved BS 1363 plug or a suitably fused isolator switch.

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

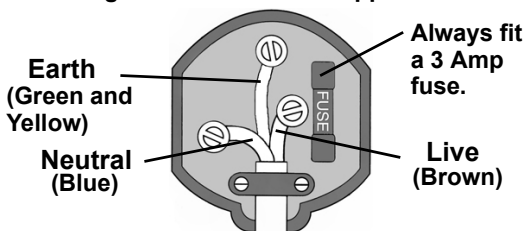


**WARNING: THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:  
BLUE = NEUTRAL    BROWN = LIVE    YELLOW AND GREEN = EARTH**

If the colours of the wires in the power cable do not agree with the markings on the plug.

- Connect the BLUE wire to the terminal marked N.
- Connect the BROWN wire to the terminal marked L.
- Connect the YELLOW AND GREEN wire to the terminal marked E or  $\perp$ .

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



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

**AN APPROVED RESIDUAL CURRENT DEVICE (RCD) WHICH HAS A TRIPPING CURRENT OF LESS THAN 30 mA MUST BE USED.**

If you are not sure, consult a qualified electrician. DO NOT try to do any repairs yourself.

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## BEFORE USE

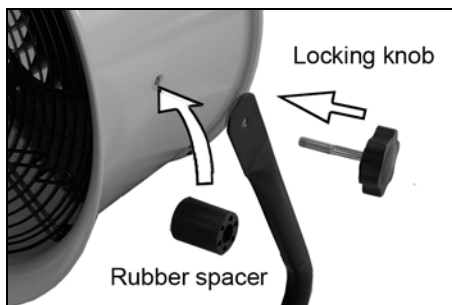
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Before assembly, check for damage and or shortages etc, any damage or shortage should be reported to your CLARKE dealer where the fan was purchased.

Your fan should be supplied with the following parts:

- 1 x frame
- 2 x rubber spacers
- 2 x locking knobs

Join the frame to the fan assembly using the locking knobs and rubber spaces as shown.



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## OPERATION

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1. Place on a flat surface and at a safe distance from flammable materials.
2. Connect the fan to a suitable power outlet.
  - The fan is operated by the ON/OFF switch.
3. Select your speed setting as follows:
  - 0 - Off
  - 1 - 1100 rpm,
  - 2 - 1200 rpm,
  - 3 - 1260 rpm.
4. Set the desired angle of tilt and tighten the locking knobs.



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## CARE & MAINTENANCE

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

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1. Clean with a soft damp cloth. Do not use solvents or abrasives.

2. Clean the guards by vacuuming or wiping. If excess dust is found on the blades/interior, the end guard can be removed to gain access by removing the four securing screws.

REPLACE GUARDS BEFORE RE-CONNECTING TO MAINS SUPPLY.

No other maintenance is required. Should you discover any problem with the fan return it to the CLARKE service department for repair.

Should the fan fail to operate, check the power supply and that the fuse in the plug has not blown. Abnormal noise while the fan is running could occur if the fan is not standing on a level surface.

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## DECLARATION OF CONFORMITY

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	 Harnnoll Street, Epping, Essex CM16 4LG
<b>DECLARATION OF CONFORMITY</b> This is an important document and should be retained.	
<b>We hereby declare that this product(s) complies with the following directive(s):</b>	
2014/30/EU	Electromagnetic Compatibility Directive.
2014/35/EU	Low Voltage Equipment Directive.
2011/65/EU	Restriction of Hazardous Substances.
2009/125/EC	Eco-Design Directive ((EU) No 206/2012 + (EU) 2016/2282).
<b>The following standards have been applied to the product(s):</b>	
EN 61000-3-2:2014, EN 62233:2008, EN 55014-1:2017, EN 55014-2:2015, EN 61000-3-3:2013, EN 60335-1:2012+A11:2014+A13:2017, EN 60335-2-80:2003+A1:2004+A2:2009, EN 50564:2011, EN 60704-1:2010+A11:2012, EN 60704-2-7:1998, IEC 60879:1986.	
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: 2020	
<b>Product Description:</b>	14" High Velocity Drum Fan (230V)
<b>Model number(s):</b>	CAM14HV
<b>Serial / batch Number:</b>	N/A
<b>Date of issue:</b>	11/03/2020
<b>Signed:</b>	 .....
	J.A. Clarke Director
18-0464 High Velocity Drum Fan D O C (rev 6)	Page 1 of 1

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