

# Clarke®

## WOODWORKER



**DUST EXTRACTOR**

**MODEL No: CDE7B**

Part No:6470305

**OPERATING & MAINTENANCE  
INSTRUCTIONS**



GC0514

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## INTRODUCTION

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Thank you for purchasing this CLARKE Dust Extractor which is intended to keep work areas free from dust particles & wood shavings etc.

Please read this manual thoroughly and follow the instructions carefully. Before attempting to use the product, thoroughly familiarise yourself with the product & its operation. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to the product giving you long and satisfactory service.

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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 or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should 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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## SPARE PARTS & SERVICING CONTACTS

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For parts & Servicing, please contact your nearest dealer, or CLARKE International, on one of the following numbers.

**PARTS & SERVICE TEL: 020 8988 7400**

**PARTS & SERVICE FAX: 020 8558 3622**

**or e-mail as follows:**

**PARTS: [Parts@clarkeinternational.com](mailto:Parts@clarkeinternational.com)**

**SERVICE: [Service@clarkeinternational.com](mailto:Service@clarkeinternational.com)**

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## TECHNICAL SPECIFICATION

Specification	
Weight	27 kg
Dimensions (d x h)	710 x 510 X 1520 mm
Input Voltage	230v / 50 Hz
Power rating	1 HP (750 W)
Fuse Rating	13 A
Motor Speed	2970 rpm
Noise level	52-65 dB(A)
Dust /Filter bags	5 micron
Bag Capacity	114 litres
Inlet Dia	100 mm
Operating Temperature	-10 - 40 deg C

Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice.

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# SAFETY PRECAUTIONS

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## WORK AREA

1. **ALWAYS** keep the work area clean and well lit. Floors should always be kept clear. Cluttered or dark areas invite accidents.
2. **ALWAYS** keep children away and keep visitors at a safe distance from the work area, especially whilst operating the machine.

## PERSONAL SAFETY

1. **ALWAYS** stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a machine while you are tired or under the influence of medication, drugs or alcohol.
2. **NEVER** over-reach. Keep your proper footing and balance at all times to enable better control of the machine in unexpected situations.
3. **ALWAYS** wear safety goggles, manufactured to the latest European Safety Standards. Everyday eyeglasses do not have impact resistant lenses and are not safety glasses.
4. **ALWAYS** concentrate on the job in hand, no matter how trivial it may seem. Accidents are caused by carelessness due to familiarity.
5. **ALWAYS** keep your proper footing and balance at all times. For best footing, wear rubber soled shoes. Keep floor clear of oil, scrap wood, etc.

## GENERAL USE AND CARE

1. **ALWAYS** ensure that the machine cannot be started inadvertently by using the ON/OFF switch cover whenever carrying out maintenance.
2. **ALWAYS** maintain in top condition. Keep machines clean for the best and safest performance. Follow maintenance instructions.
3. **NEVER** modify this machine in any way. Use it only for the purpose for which it is designed.
4. **ALWAYS** check for damage that may affect the machine's operation before use. Any damage should be properly repaired or the part replaced. If in doubt, **DO NOT** use the machine. Consult your Clarke dealer.
5. **ALWAYS** keep the mains cable well away from any machinery and ensure an adequate electrical supply is close to hand so that the operation is not restricted by the length of cable.
6. **NEVER** drag the machine by its power cable, or pull the cable to disconnect it from the power supply.
7. **ALWAYS** ensure the switch is off before plugging into mains. Avoid accidental starting.

8. **NEVER** use if the ON/OFF switch does not turn it on and off. A machine that cannot be controlled with the switch is dangerous and must be repaired.
9. **ALWAYS** store out of reach of children and do not allow persons unfamiliar with these instructions to operate this machine.

## DUST EXTRACTOR SAFETY INSTRUCTIONS

1. **ALWAYS** ensure that the dust extractor is properly positioned where necessary to prevent it from moving during use and that the immediate area is kept clear.
2. **ALWAYS** use a face or dust mask if operation is particularly dusty such as when disposing of the contents of the collecting bag.
3. **ALWAYS** disconnect the dust extractor from the power supply before cleaning or removing & emptying the collecting bag etc.
4. **NEVER** leave the dust extractor running unattended. Turn power off and wait for the machine to come to a complete stop before leaving.
5. **DO NOT** pick up flammable or readily combustible material, hot ashes, coals, burning cigarettes or other smoking substances etc. or use in the presence of explosive liquids or vapours.
6. **DO NOT** use in enclosed areas where flammable, explosive or toxic vapours are given off, by oil based paints, paint thinner, petrol etc.
7. **DO NOT** use if the power cable, plug, collection bag or the motor is in poor condition.
8. **ALWAYS** use in an upright position.

## SERVICING

1. If necessary, have your machine repaired by a qualified person using identical replacement parts. This will ensure that the safety of the machine is maintained.

**Please keep these instructions in a safe place for future reference.**

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## ENVIRONMENTAL RECYCLING POLICY

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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 disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

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# ELECTRICAL CONNECTIONS

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This product is provided with a 13 amp BS 1363 plug, fitted with a 13amp fuse and MUST be connected to a standard, 230 Volt (50Hz) electrical supply, preferably through an approved plug, or a suitably fused isolator switch.



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**WARNING: THIS APPLIANCE MUST BE EARTHED**

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**IMPORTANT: The wires in the mains lead should be wired up in accordance with the following colour code:**

Green & Yellow - Earth

Blue - Neutral

Brown - Live

As the colours of the flexible cable of this appliance may not correspond with the coloured markings identifying terminals in your plug, proceed as follows:

- Connect the GREEN & YELLOW coloured cord to the plug terminal marked with a letter E or Earth symbol "⏏" or coloured GREEN or GREEN & YELLOW.
- Connect the BROWN coloured cord to the plug terminal marked a letter "L" or coloured RED.
- Connect the BLUE coloured cord to the plug terminal marked a letter "N" or coloured BLACK

If this appliance is found to be fitted with a plug which is moulded on to the electric cable (i.e. non-rewireable) please note:

1. The plug must be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
2. Never use the plug without the fuse cover fitted.
3. Should you wish to replace a detachable fuse carrier, ensure that the correct replacement is used (as indicated by marking or colour code).
4. Replacement fuse covers can be obtained from your local Clarke dealer or most electrical stockists.

## FUSE RATING

The fuse in the plug must be replaced with one of the same rating and this replacement must be ASTA approved to BS1362.

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

## UNPACKING

When unpacking please check contents and advise your dealer immediately if any parts are missing. The component parts of the machine are as follows. The numbers in brackets refer to the parts diagram on page 15.

- 1 off Operating Instructions.
- 1 off Collector Support, (35).
- 1 off Collector Body & Motor, (11 & 18).
- 1 off Collector, (23).
- 1 off Base Plate, (4).
- 4 off Castors, (1).
- 1 off Cloth Filter Bag, (25).
- 1 off Cloth Dust Bag, (24).
- 1 off Gasket, (22).
- 2 off Bag Support Rods, (31).
- 1 off Adapter, (37).
- 1 off Plastic bag containing fittings.



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# ASSEMBLY

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## TOOLS REQUIRED

Phillips screwdriver

Flat-bladed screwdriver

8mm spanner

10mm spanner

13mm spanner

To assemble your Dust Collector proceed as follows:

1. Lay components out neatly.
2. Place the base plate (4), upside down and fit the four castors (1), using screws, washers and nuts supplied. Fit all screws etc finger tight only at first. Once all screws are in place, proceed to tighten them using a screwdriver and spanner. (DO NOT OVERTIGHTEN).
3. Attach column and motor plate, (20) to the base plate using bolts and washers supplied, (DO NOT OVERTIGHTEN). When viewed from the back, ensure threaded holes in side of the motor plate are on the right hand side, (see Fig 1).

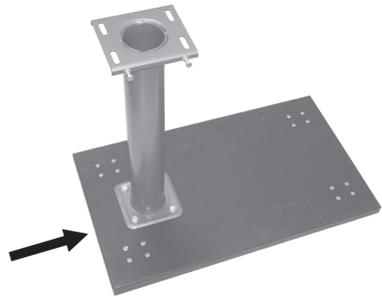


FIG 1



FIG 2

### NOTE :

Before installing the motor and collector body, (11 & 18) ensure the two hex head screws and lock-nuts are fitted to motor plate, (see Fig 2), It is important that the bolt heads do not protrude more than 20mm at this stage, leaving them loose for adjustment later.

- Attach the motor and collector body, (11 & 18) to the motor plate (see Fig 3), using nuts, bolts and washers supplied, Centralise the motor in both directions before lightly tightening the nuts and bolts. Adjust the bolts, ref Fig. 2 so that the heads butt up to the collector body, tighten the locknuts.

Fit the hose adapter, (37) onto the inlet cover using the screws supplied, (see Fig 3a). This is a safety requirement and must be adhered to, as this part also prevents finger access into the impellor.



FIG 3a

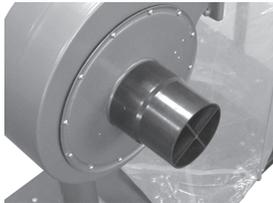


FIG 3

- Attach the collector, (23) to the collector body as shown in Fig 4, using 6 hex head screws and washers, (supplied), (DO NOT OVERTIGHTEN). Ensure the gasket, (22) is fitted between the two units.



FIG 4



FIG 5

- Attach the two bag support rods, (31) using screws, nuts and washers supplied, one on either side of the collector, (see Fig 5). It may be necessary to reposition the motor to align the rods vertically etc. Once the rods are in place and secured, retighten the nuts and bolts securing the motor to the motor plate.

7. Attach the collector support, (35) using the screws and washers supplied, (see Fig 6).



**FIG 6**

Fit the cloth filter bag to the top of the collector by hanging the loop onto the top of the collector support and fasten around the top rim of the collector with one of the straps, (see Fig 7).

NOTE: The strap should be threaded through bag rim first.

Fit the collection bag onto the bottom rim of the collector using the second strap as above, (see Fig 7).



**FIG 7**

Your dust collector is now ready for use.

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## ACCESSORIES

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The Clarke Dust Extractor Kit, model: **'CDE Kit'**, Part No: 6470312 can be used with the CDE7B.

It consists of:

1. Hose 2.5metres (94") Long X 102mm (4") ID
2. Adapter/ 2" Reducer

Both items fit directly onto the safety adapter already fitted to the dust extractor inlet cover. NEVER remove this adapter, as this is a safety requirement.

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## OPERATION

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### DO NOT OPERATE WITHOUT ALL PARTS IN PLACE!

Do not attempt to clean, remove/attach dust bags or carry out any servicing to the unit whilst it is in operation. ALWAYS ensure it is switched off and isolated from the mains by removing the plug from the socket.



**CAUTION : THE BLOWER HOUSING CONTAINS A HIGH SPEED FAN BLADE THAT COULD AMPUTATE FINGERS, GRAB LOOSE CLOTHING AND NECK-TIES ETC, AND PROPEL DUST AT VERY HIGH VELOCITIES.**

A suitable length of flexible hose can be fitted to the collector inlet using the adapter supplied, (item No 37 in the parts list on page 15). The collector can also be connected directly to the woodworking machine being used, using the appropriate hose and adapters which can be purchased separately from your nearest Clarke dealer.

To switch ON, press the switch cover (see fig. 8) down and slide in direction of arrow and lift up, this will expose the ON/OFF buttons, (see fig 9 ) Push the ON button, (green button 'I'). DO NOT close the cover as this will switch the machine OFF again.

Take care never to suck in foreign objects such as screws, nails, large pieces of plastic or wood.

**NOTE: In case of emergency, close the switch cover quickly, cover will latch down and motor will be switched OFF. To switch OFF normally, press OFF button, (red button 'O'), always close cover to prevent accidental starting.**



FIG 8



FIG 9

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## MAINTENANCE

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Always inspect the machine before use and ensure it is in top condition.

Regularly inspect the filter for damage before use and replace if necessary. Regularly check the tightness of the filter, filter bag and locking ring.

Excessive dust in the motor can cause overheating. Ensure all air vents are clear. To avoid eye injury or adverse reaction to dust, clean the machine by cleaning out the air vents using a vacuum cleaner.

Check the power cable to ensure it is sound and free from cracks, bare wires etc. avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents.

All bearings etc, in this machine are lubricated with a sufficient amount of high grade lubricant for the machine's lifetime under normal operating conditions, therefore no further lubrication is required.

Occasionally it may be necessary to manually clean the impellor, to do this proceed as follows.

1. Switch OFF and unplug the machine from the electrical supply.
2. Remove 12 screws securing the inlet cover, (6), and remove cover to expose the impellor.
3. Clean impellor using a brush, cleaning cloth and vacuum cleaner

**CAUTION:** Beware of sharp edges.

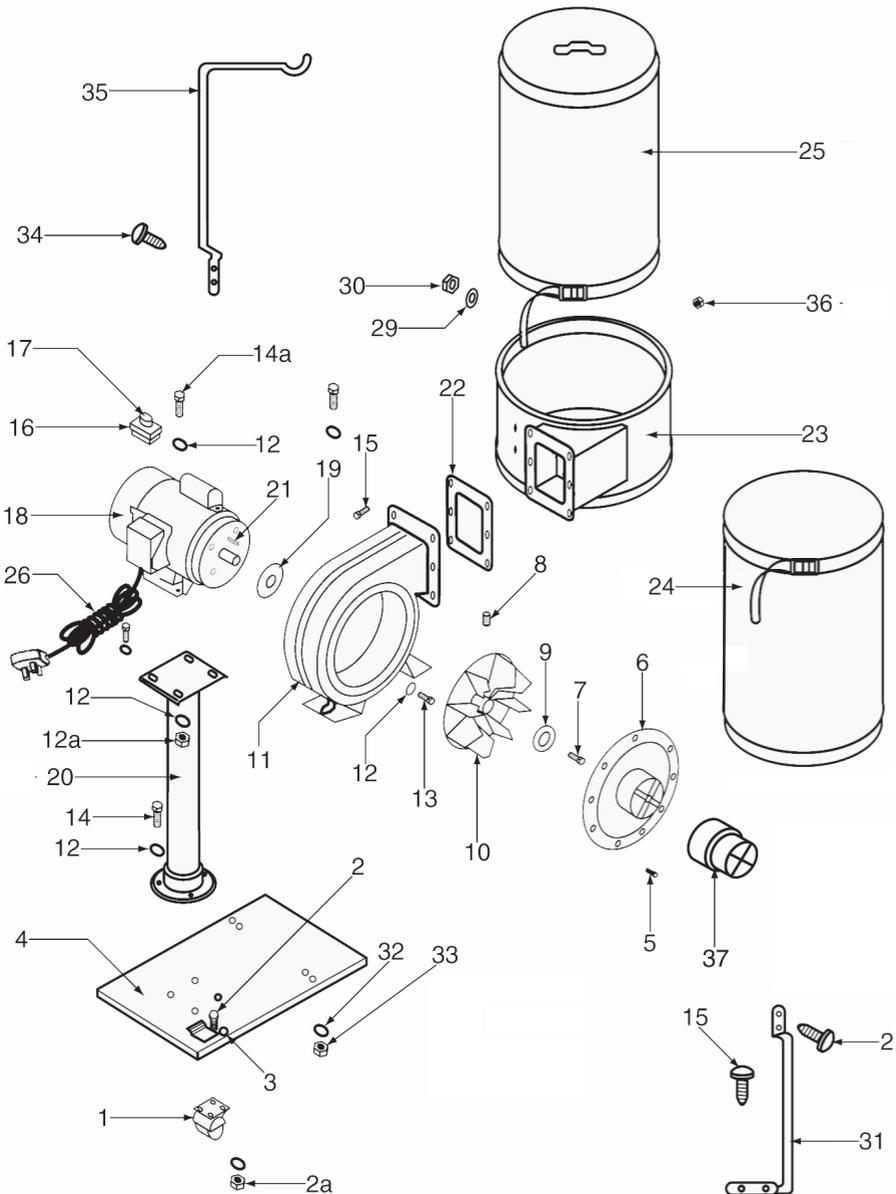
If any repairs (other than the above cleaning) become necessary, it should be carried out by an authorised service centre.

## TROUBLESHOOTING

Problem	Probable cause	Suggested remedy
Motor will not run.	Defective cable, switch or motor.	Check electrical connections to components. If unsuccessful, consult your Clarke dealer.
Excessive dust in the air.	Loose locking strap or exhaust hose. Collecting bag damaged.	Tighten connections. Replace bag.
Unexpected noise from fan/motor.	Loose components rubbing. Dust build-up inside housing.	Switch off and isolate from mains. Consult your Clarke dealer.
Excessive noise	Defective motor.	Have unit repaired by your Clarke dealer.
Machine runs but fails to reach full speed.	Low voltage. Motor damaged or worn.	Have unit repaired by your Clarke dealer.
Motor fails to develop full power.	Supply circuit overloaded. Extension lead undersize or too long.	Use different circuit. Replace extension lead.
Motor does not start when ON switch is pressed.	Switch contacts burnt. Start capacitor faulty.	Have switch or capacitor replaced by your Clarke dealer.

**DO NOT attempt to carry out repairs yourself, unless you are fully competent, all work must be carried out by a qualified technician**

# PARTS DIAGRAM



## PARTS LIST

Item	Part No	Description	Qty
1	QB70001	Castor	4
2	QB70002	Pan Head Screw~M6 x 16	16
2a	QB70002a	Nut	16
3	QB70003	Spring Washer~Ø6	16
4	QB70004	Base Plate	1
5	QB70005	Pan Head Screw~M5 x 10	12
6	QB70006	Inlet Cover	1
7	QB70007	Socket Head Screw~M6 x 20	1
8	QB70008	Set Screw~M8 x 10	2
9	QB70009	Washer	1
10	QB70010	Turbo Fan	1
11	QB70011	Collector Body	1
12	QB70012	Washer~Ø8	18
12a	QB70012a	Nut~M8	6
13	QB70013	Hex Head Screw	6
14	QB70014	Hex Head Screw	12
14a	QB70014a	Hex Head Screw	8
15	QB70015	Hex Head Screw	6
16	QB70016	Switch	1
17	QB70017	Key Switch	1
18	QB70018	Motor	1
19	QB70019	Gasket	1
20	QB70020	Column & Motor Plate	1
21	QB70021	Key~5 x 5 x 30	1
22	QB70022	Packing	1
23	QB70023	Collector	1
24	QB70024	Collection Bag	1
25	QB70025	Filter Bag	1
26	QB70026	Power Cable	1
29	QB70029	Spring Washer	1
30	QB70030	Nut	1
31	QB70031	Bracket	1
32	QB70032	Washer	2
33	QB70033	Nut	2
34	QB70034	Screw	2
35	QB70035	Pole	1
36	QB70036	Nut	2
37	QB70037	Adaptor	1

### IMPORTANT:

The use of parts other than CLARKE replacement parts may result in safety hazards, decreased tool performance and may invalidate your warranty.

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