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. Always consult the machine's data plate.

Component Check List (figures in brackets refer to parts list on page 12)

- 1 x Plastic bag containing fittings.
- 1 off Adaptor (37).
- 2 off Bag Support Rods (31).
- 1 off Collector (22).
- 1 off Cleaner Dust Bag (24).
- 1 off Cleaner Filter Bag (25).
- 4 off Fittings (1).
- 1 off Base Plate (4).
- 1 off Collector (22).
- 1 off Collector Body & Motor (11 & 18).
- 1 off Collector Support (35).
- 1 off Operating Instructions.

Checklist

- IMPORTANT

Before commencing please check contents and advise immediately of any shortages.

IMPORTANT
Please read these instructions carefully before operating the tool.

**IMPORTANT:**

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

**Specfications**

- Model: CDE7B
- Part No: 6470305
- Voltage: 230 vac
- Power Rating: 1HP
- Fuse Rating: 13amp
- Motor Speed: 2970 RPM
- Noise Level: 72~95 dB(A)
- Dust Bag: 5 micron
- Weight: 27kg
- Dimensions: 650x420x450mm

**Contents**

- Safety Precautions
- Electrical Connections
- Assembly
- Operation
- Maintenance
- Trouble Shooting
- Parts List & Diagram
- Specifications

**Trouble Shooting**

1. Power Lead or Cord
2. Motor
3. Switch
4. Cord
5. Motor
6. Switch
7. Key Switch
8. Motor
9. Switch
10. Key Switch
11. Motor
12. Switch
13. Motor
14. Switch
15. Motor
16. Switch
17. Motor
18. Switch
19. Motor
20. Switch
21. Motor
22. Switch
23. Motor
24. Switch
25. Motor
26. Switch
27. Motor
28. Switch
29. Motor
30. Switch
31. Motor
32. Switch
33. Motor
34. Switch
35. Motor
36. Switch
37. Motor
38. Switch
39. Motor
40. Switch
41. Motor
42. Switch
43. Motor
44. Switch
45. Motor
46. Switch
47. Motor
48. Switch
49. Motor
50. Switch

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 affect your statutory rights.

Please read these instructions carefully before operating the tool.
Safety Precautions

WARNING: As with all machinery, there are certain hazards involved with their operation and use. Exercising respect and caution are essential to prevent personal injury. However, normal safety precautions are overlooked or not followed. Inadequate personal protection may result in personal injury to the operator or damage to property. May result in accidental damage.

1. ALWAYS keep the machine, application, instructions, and the machine's potential hazards explained in the manual.

2. ALWAYS read all instructions before using the machine.

3. ALWAYS check the machine before using the machine. Ensure all parts are in good condition.

4. ALWAYS disconnect the power source from the machine before servicing or changing accessories.

5. ALWAYS wear safety goggles manufactured to the latest European Safety Standards. Everyday eyeglasses do not have impact resistant lenses, they are not safety glasses.

6. ALWAYS keep work area clean. Cluttered areas and benches invite accidents.

7. ALWAYS ensure that adequate lighting is available. A minimum intensity of 300 lux should be provided. Ensure that lighting is placed so that you will not be working in your own shadow.

8. ALWAYS keep children away. All visitors should be kept a safe distance from the work area, especially whilst operating the machine.


10. ALWAYS remove and empty dust bags etc. when changing accessories or removing the machine. Ensure the switch is off before plugging in to mains. Avoid accidental starting.

11. ALWAYS concentrate on the job in hand, no matter how trivial it may seem. Be aware that accidents are caused by carelessness due to familiarity.

12. ALWAYS handle with extreme care. Do not carry the tool/machine by its' electric cable, or yank the cable to disconnect it from the power supply.

13. ALWAYS ensure your personal protective equipment is adequate and balanced for all tasks.

14. ALWAYS observe the manufacturer's instructions for the machine. This manual is intended to be used as a guide.

Parts Diagram

Parts: Service@clarkeinternational.com

Service: Parts@clarkeinternational.com

PARTS & SERVICE TEL: 020 8988 7400
14. **ALWAYS** wear proper apparel; loose clothing or jewellery may get caught in moving parts, wear protective hair covering to contain long hair.

15. **ALWAYS** use recommended accessories; the use of improper accessories could be hazardous.

16. **ALWAYS** remove plug from electrical outlet when adjusting, changing parts, or working on the machine.

17. **NEVER** operate machine while under the influence of drugs, alcohol or any medication.

18. **NEVER** leave machine running unattended; turn power off. Do not leave the machine until it comes to a complete stop.

19. **NEVER** force the machine; it will do a better and safer job at the rate for which it was designed.

20. **NEVER** use power tools in damp or wet locations or expose them to rain. Keep your work area well illuminated. Do not use in explosive atmosphere (around paint, flammable liquids, etc.). Avoid dangerous environments.

### Additional Safety Precautions

1. **Do not** use if the electric cable, plug, collection bag or the motor is in poor condition.

2. **Do not** pick up flammable or readily combustible material, hot ashes, coals, etc., or use in the presence of explosive liquids or vapour.

3. **Do not** use in enclosed areas where flammable, explosive or toxic vapours are given off, by oil-based paints, paint thinner, petrol, etc.

4. **Do not** pick up burning cigarettes or other smoking substances.

5. **Do not** change or clean the dust bag, or carry out any servicing, without first disconnecting the machine from the mains supply.

6. **Do not** allow the ventilation slots in the motor to become blocked.

7. **Always** keep Guards/Covers in place and in a serviceable condition.

8. **Always** keep the mains cable well away from the machine and ensure an adequate electrical supply is close to hand so that the operation is not restricted by the length of cable.

9. **Always** switch the machine off immediately the task is completed. Ensure the electric cable and hose is stowed away and not left as a hazard, i.e., for others to trip over.

10. **Never** leave machines running unattended. Turn power off and wait until the machine has come to a full stop before leaving.

11. **Always** earth all machines. If the machine is equipped with a three-pin plug, it should be plugged into a three-pin earthed socket. **Never** remove the earth pin.

Additionally, please keep these instructions in a safe place for future reference.

### Trouble Shooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Suggested Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor runs slowly or fails to reach full speed</td>
<td>1. Low voltage 2. Windings burned out or open circuit</td>
<td>1. Request voltage check from power company. 2. Have motor repaired or replaced.</td>
</tr>
<tr>
<td>Motor vibrates or runs with a grating noise</td>
<td>2. Loose or impeller rubbing 1. Impeller dirty or clogged</td>
<td>1. Switch OFF and motor. 2. Remove impeller and rubbing.</td>
</tr>
<tr>
<td>Excessive impeller noise</td>
<td>2. Loose or impeller rubbing 1. Impeller dirty or clogged</td>
<td>1. Remove impeller and rubbing. 2. Tighten connections.</td>
</tr>
<tr>
<td>Excessive vibration</td>
<td>2. Loose or impeller rubbing 1. Impeller dirty or clogged</td>
<td>1. Remove impeller and rubbing. 2. Tighten connections.</td>
</tr>
<tr>
<td>Excessive extension lead</td>
<td>2. Loose or impeller rubbing 1. Impeller dirty or clogged</td>
<td>1. Remove impeller and rubbing. 2. Tighten connections.</td>
</tr>
<tr>
<td>Excessive impeller noise</td>
<td>2. Loose or impeller rubbing 1. Impeller dirty or clogged</td>
<td>1. Remove impeller and rubbing. 2. Tighten connections.</td>
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<td>1. Remove impeller and rubbing. 2. Tighten connections.</td>
</tr>
</tbody>
</table>
Electrical Connections

This appliance is fitted with a standard, 230 Volt (50Hz) BS 1363 approved 13 amp plug, for connection to a standard domestic 13 Amp electrical supply. We strongly recommend that connection be via a Residual Current Device (RCD).

**WARNING! THIS APPLIANCE MUST BE EARTHED**

**IMPORTANT:**

Should the plug be replaced, it is important to note that the wires in the mains lead are coloured in accordance with the following code:

- Green & Yellow ................................................. Earth
- Blue................................................................... Neutral
- Brown ............................................................... Live

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

1. Connect GREEN & YELLOW coloured cord to plug terminal marked with a letter “E” or Earth symbol “      “ or coloured GREEN or GREEN & YELLOW.
2. Connect BROWN coloured cord to plug terminal marked with a letter “L “ or coloured RED. Connect BLUE coloured cord to plug terminal marked with a letter “N“ or coloured BLACK.

If this appliance is fitted with a plug which is moulded onto the electric cable (i.e. non-rewirable) 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).

**Fuse Rating**

The fuse in the plug must be replaced with one of the same rating (13 amps) and this replacement must be ASTA approved to BS1362.

**Operation**

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 neckties 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 12). 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.

**Maintenance**

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

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 blowing out the air vents using low pressure compressed air, where possible.

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 solvents.

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

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

1. Switch OFF and isolate from the main electrical supply by removing the plug from the socket, ensure it is not possible to be plugged back in accidentally by somebody else by tying up etc, attach a warning label.
2. Remove 12 screws securing the inlet cover, (6), and remove cover to expose the impellor.
3. Clean impellor using a brush, cleaning cloth, vacuum cleaner and/or low pressure compressed air.

**CAUTION:** Beware of sharp edges.

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

**NOTE:** The speed of this motor cannot be regulated or changed.

**NEVER leave unattended with cover removed.**

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.
Assembly (Figures In Brackets Refer To Parts List On Page 12)

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 motor plate are on the right hand side, (see Fig. 1).

![Fig. 1](image1.png)

NOTE:
Before installing the motor and collector body, (11 & 18), ensure the two hex head screws and locknuts are fitted to motor (20). It is important that the motor needs to be mounted in both directions before tightening the nuts and bolts, (see Fig. 2). When viewed from the rear, the screw holes and lockwashers need to be aligned to the motor plate. Before attaching the motor and collector body, (11 & 18), ensure the motor plate is on the right hand side, (see Fig. 1).

4. 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 bolts, (see Fig. 2). When viewed from the rear, screws and lockwashers need to be fitted to the motor plate.

5. 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 gasket (22), is fitted between the two units.

![Fig. 4](image2.png)

NOTE:
When viewed from the rear screws and lockwashers need to be fitted to the motor plate.

6. Attach the two bag support rods, (31), using screws and nuts, bolts and washers supplied, (see Fig. 5).

![Fig. 5](image3.png)

NOTE:
To assemble your dust collector proceed as follows:

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

7. Attach 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 metal straps, (see Fig. 7).

![Fig. 7](image4.png)

NOTE:
The filter bag may be fitted to the collector by hanging the loop onto the top of the collector support, and fastening around the top rim of the collector with one of the metal straps, (see Fig. 7).

8. Your dust collector is now ready for use.