

CROMMELINS™

MACHINERY

CROMMELINS™ ELECTRIC BRICKSAW

OPERATION & INSTRUCTION MANUAL

Thank you for choosing a CROMMELINS Electric Bricksaw.

This Operation Manual explains its use, installation, safety and maintenance. CROMMELINS suggest that you retain this manual for ready reference regarding proper handling of CROMMELINS Generator.



PARTS HOTLINE: 1300 554 524
spareparts@crommelins.com.au

Thank you very much for purchasing a CROMMELINS™ Bricksaw. This manual covers operation and maintenance of the CROMMELINS™ Bricksaw.

The CROMMELINS™ Bricksaw can be used in the construction, hire industries and general DIY Applications. Never use this Bricksaw for any other purpose.

Please take a moment to familiarise yourself with the proper operation and maintenance procedures in order to maximise the safe and efficient use of this product.

Keep this owner's manual at hand, so that you can refer to it at anytime.

Due to constant efforts to improve our products, certain procedures and specifications are subject to change without notice.

When ordering spare parts please have handy your products model number and serial number.

Please fill in the following blanks after checking the model number and serial number on your product. (The location of these numbers, vary depending on product).

MODEL NO.

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SERIAL NO.

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1. GENERAL SAFETY RULES

This manual contains important information on how to use a CROMMELINS™ electric Bricksaw model CBS114E correctly and safely. Please read through this manual before you attempt to operate the machine.

This electric Bricksaw is designed to give safe and dependable service if operated according to the instructions.

1. Maintain good footing to avoid slipping or losing control when starting or operating the machine.
2. The appropriate diamond blade and bore should always be used, contact CROMMELINS Machinery for this information on 1300 554 524.
3. Jamming material into the blade is dangerous and must be avoided.
4. When operating this saw always wear safety goggles or another protective eye wear.
5. Appropriate hearing protection is to be worn whenever operating this machine.
6. Ensure clothing, jewellery and hair does not become caught in machine.
7. Protective guards should always be in place.
8. Motor operation switch should be turned off and the power cord unplugged before removing or refitting the diamond blade or making any adjustment to v-belt tension.
9. Hands and feet should be kept clear of all moving parts as serious injury could occur.
10. Always set-up and use on a level surface.
11. Do not leave the machine running unattended.
12. Use only impregnated diamond blades. Do not use abrasive or wood cutting blades.
13. Never lift or move machine without the handles or tray body locked in place by pins
14. Do not cut any materials without using the sliding tray.

To prevent injury wear the following protective items: Ear plugs, safety glasses, work boots and any other protective item required by job conditions.



2. GENERAL INFORMATION

- The saw is manufactured to the highest standard of strength for medium/heavy duty operation.
- Machine parts are kept to a minimum and standardised, to allow for easy maintenance.
- Frame, cutting head and conveyor cart are aligned by manufacturer. Misalignment can occur through handling damage or moving saw. This will dramatically shorten blade life.
- Cutting head is positioned at required cutting depth by pivot point bearings with a locking lever.
- Full power transmission by dual belt drive.
- Mitre guide on conveyor cart allows accurate repeat cutting.

3. SPECIFICATIONS

CROMMELINS ELECTRIC BRICKSAW		
MODEL	CBS350E	CBS114E
BLADE CAPACITY	350mm (14")	
BLADE CUTTING DEPTH	120mm	
CUTTING TABLE (LxW)	860x440mm	
SLIDING TRAY SIZE (LxW)	280x460mm	
MOTOR	1.7kw CMG Motor	
MOTOR DETAILS	Single phase, 9.6 Amp	
MOTOR RPM	2880rpm	
POWER SOURCE	240v – 50Hz	
POWER CORD	Double insulated	
DIMENSIONS ASSEMBLED (LxWxH)	1200x780x1620mm	
DIMENSIONS PACKAGED	1400x800x1200mm	
WARRANTY	12 months	12 months
WEIGHT (kg)	109kg (Including stand)	

4. FEATURES

- Foot control allows greater control for difficult jobs
- Water cooled cutting
- Detachable and foldable stand
- Extendable handles for transport, loading and un-loading
- Spring loaded cutting head with locking option
- Improved centre of balance when moving saw onsite
- Motor capacitor crash plate protects capacitor from rear impact
- Mounted hose connection
- Large never flat wheels provide easy movement and stability onsite
- Improved weight distribution for two-person lift

5. PROPER LIFTING & HANDLING

This machine is a two person or crane assisted lift. Do not attempt a single person lift.

- When lifting use the lifting handles/bar provided on each end of the machine, do not lift from any other point. **NOTE: Extending handles must be locked with pins before lifting.**
- Ensure Bricksaw is placed correctly onto Leg Stand/base frame and the locking pin engaged.
- Never lift saw body without using the extendable handles and handle bar as injury may occur



6. HOW TO OPERATE THE BRICKSAW

CONNECTING WATER

1. Attach water hose to rear of the bricksaw.
2. Check water flow at regular intervals in case mains supply has been interrupted and tray is not choked with sediment.

SLIDING TRAY

1. The sliding tray should be aligned on both rails and should be able to move freely.

BLADES AND BLADE SETTING

1. Ensure the blade is fitted in the correct direction.
2. The blade should be mounted solidly and firmly to prevent pounding which can seriously damage blade.
3. Always check blade depth before commencing work so that sliding tray does not come into contact with blade.
4. Blade cutting height can be set by locking hand knob onto arm fitted to left side of machine. Release and lock the hand knob for blade height.
5. Keep wet cutting diamond blades cool whilst cutting.
6. Check the blade on regular basis for fissures, it is free of stress cracks, is not warped or lost any diamond segments and does not show signs of excessive wear.
7. IMPORTANT! – Keep an adequate flow of water on both sides of blade. A blade that is allowed to become dry even for a short time may become damaged or ruined. Too little water is evident when steam is seen rising from cutting area.
8. Diamond blades are easily damaged, so ensure they are adequately protected if being transported.
9. If in doubt, contact CROMMELINS Machinery for correct selection of diamond blades.

TO OPERATE THE MACHINE

1. Do not use heavy duty extension cords longer than 20m in length.
2. Before turning on machine, material to be cut should rest securely on table up against fence or adjustable work guide away from diamond blade
3. Water supply should be connected (See section on connecting water on page 5).
4. Switch on electric motor by turning button on the motor to 'ON'. Single-phase motor has a thermal overload protection device located under switch. In the event that motor stops, turn machine to 'OFF' position, try to rectify problem, allow motor to cool and then press re-set button. If motor does not restart, check power supply, fuses/circuit breakers and leads.
5. Push the sliding tray with cutting piece gently towards the blade. Do not use excessive force.
6. To prevent freshly cut material binding and fouling the blade, remove material after the cut is completed.

7. MAINTAINING THE BRICKSAW

CLEANING

1. The reservoir trays to be cleaned at least once a day with clean water (twice a day during heavy use) as accumulated waste is abrasive. The drain hole is located at the bottom of tray at rear which has a removable rubber plug.
2. Clean and grease all moving parts once a day.
3. Bearings should be cleaned with grease or equivalent once a day.

BELT TENSION

1. Always keep drive belts tight. To attain the right tension. Loosen the four bolts that secure the motor to frame. Adjust the tension and belt alignment by tightening. **NOTE: The belts have been properly tensioned at manufacturing process.**
2. When changing belts, use a v-belt tester to ensure correct v-belt setting.
3. Apply load at the centre of belt span. Deflection should be 8mm for 1-1.5kg load.
4. Regularly check belts for wear or cracking.

8. MAINTENANCE SCHEDULE

DAILY	<ul style="list-style-type: none">• The reservoir tray to be cleaned with clean water (twice a day during heavy use)• Clean all moving parts
MONTHLY	<ul style="list-style-type: none">• Check drive v-belts for tension and/or wear• Check and grease all bearings• Check bearings on Sliding Tray
SLIDING TRAY	<ul style="list-style-type: none">• Check tray runner bearings for loose or sideways movement• Worn bearings will reduce cutting accuracy and safety

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