

# Champion®

## CONTRACTOR®



### CEMENT MIXER

MODEL NO: CCM134L

PART NO: 3400862

## OPERATION & MAINTENANCE INSTRUCTIONS



GC0514

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## INTRODUCTION

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Thank you for purchasing this CLARKE Cement Mixer.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure 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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## 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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## SPECIFICATION

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Max Drum capacity	134 Litre
Max Mixing Capacity	100 Litre
Drum Speed	23 rpm
Weight	60 kg
Dimensions: Length x Width x Height	1380 x 1100 x 620 mm
Power Cable Length	3 m
IP Rating	IP44
Sound Pressure	74.3 dB(A)
Sound Power Measured	90.0 dB LWA
Sound Power Guaranteed	90.0 dB LWA

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## GENERAL SAFETY PRECAUTIONS

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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 and bystanders away while operating a power tool. Distractions can cause loss of control.
3. Always stay alert & do not use a machine while you are tired or under the influence of medication or alcohol.
4. Always wear suitable protective clothing and eye protection including industrial gloves, ear defenders & approved impact resistant safety glasses. (Eye glasses are NOT safety glasses). Wear a dust mask if handling cement dust.
5. Never over-reach. Keep your proper footing and balance at all times to enable better control of the machine in unexpected situations.
6. Never stand on the machine. Injury could occur from a fall.
7. Always store machines out of reach of children.
8. Always read and become familiar with the entire operating manual.
9. Never allow persons unfamiliar with this manual to operate this machine.
10. Always maintain the machine with care and keep it clean for best / safest performance.
11. Never use this machine if any part is damaged. Have it inspected and repaired by a competent technician.
12. Never modify this machine in any way. Use it only for the purpose for which it is designed.
13. Always ensure the electrical cable is fully protected and there is no danger of damage from equipment or materials. Always inspect the cable before use and replace if any damage is apparent.
14. Avoid inhaling cement dust while loading the mixer. Avoid contact with cement or any mixing additives being used. Wear gloves/face mask if necessary.
15. Always disconnect the machine from the power supply when not in use, and before carrying out any maintenance.
16. Never leave the machine running unattended or leave the machine until it comes to a complete stop.
17. Always keep your hands well clear of the rotating drum at all times. NEVER put your hands inside the drum when the machine is switched on.

18. Never put any tools or other objects in or around the drum while it is rotating.
19. Never wear jewellery or loose clothing that could be snagged by any part of the rotating drum.
20. Never load the drum when the machine is switched off. Always switch on and ensure the drum is rotating before loading.
21. Do not operate this machine on a steep gradient. Always stand the mixer on firm, level ground where it cannot tip over.
22. Always switch off and disconnect from the power supply before moving the machine around the work site.
23. Never use the mixer if the power cable or other important parts of the machine are damaged.
24. If an extension cable is used, the cable and plug must be of watertight construction. Inadequate extension cables can be dangerous.

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## SAFETY SYMBOLS

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The following symbols are shown on the product or it's packaging.

	Read instruction manual before use		CE Mark
	Class 2 Double Insulated		Falls within Waste Electrical Equipment (WEEE) Directive
	Wear Gloves		Wear eye protection
	Wear protective footwear		Wear protective head wear
	Sound Power Rating label		

# 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.

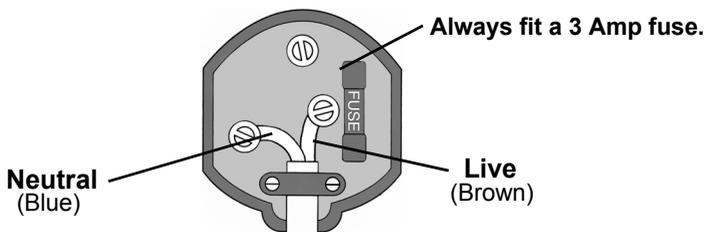
If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.



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

- 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**.

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



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

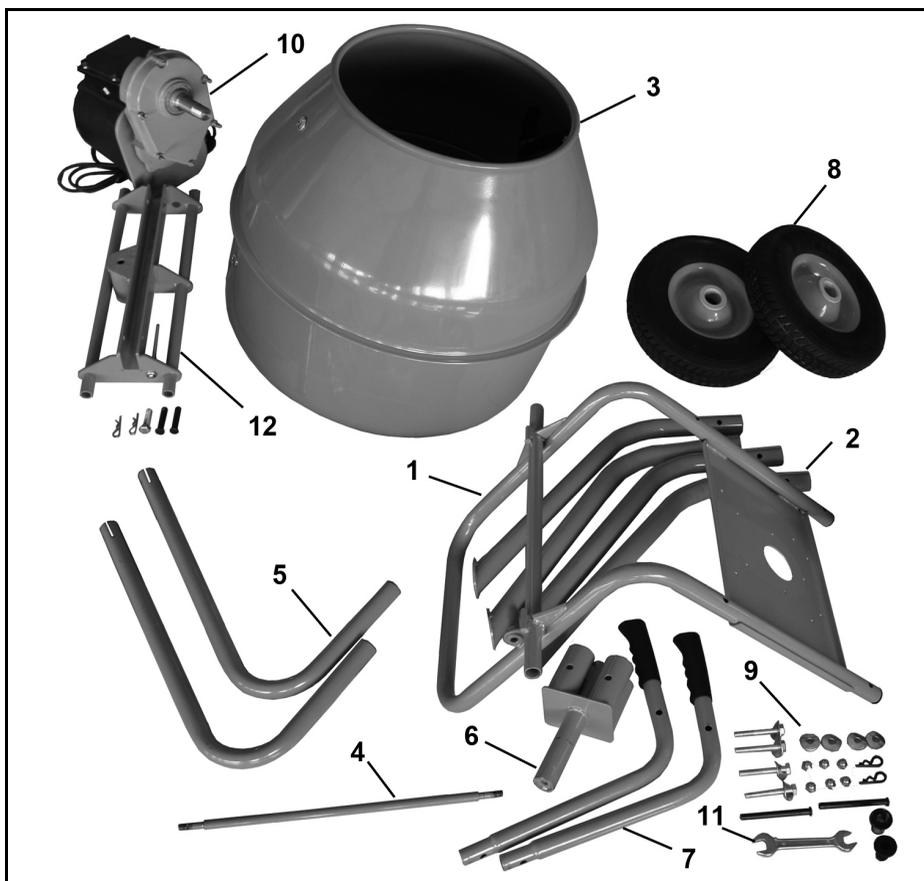
**WE STRONGLY RECOMMEND THAT THIS MACHINE IS CONNECTED TO THE MAINS SUPPLY VIA A RESIDUAL CURRENT DEVICE (RCD).**

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



This symbol indicates that this is a class II product and does not require an earth connection.

## UNPACKING & PRE-ASSEMBLY CHECK

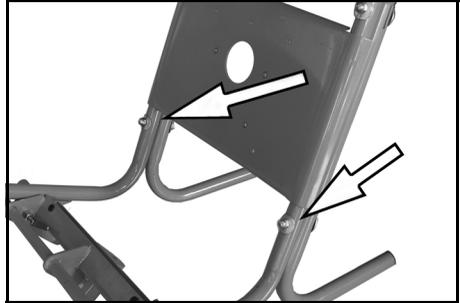


Remove all components from the packing case and lay them out so that they can be identified and checked for any possible damage during transit. Should any component be found to be damaged or missing, please contact your CLARKE dealer immediately. Check the components against the following list.

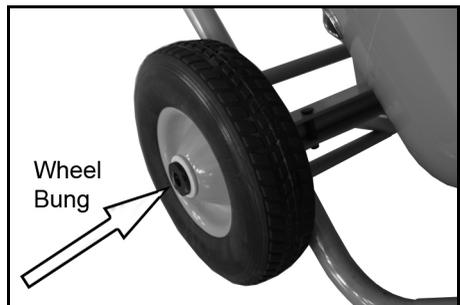
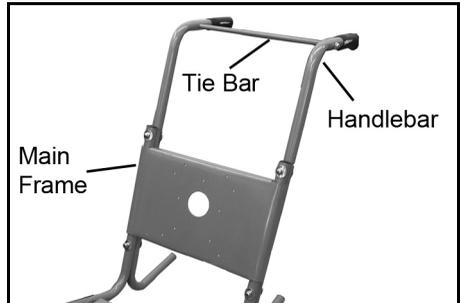
1. Main Frame	7. 2 x Handlebars
2. 4 x Stand Legs	8. 2 x Wheels
3. 1 x Drum assembly c/w mixing blades	9. 1 x Fixings Kit
4. 1 x Tie bar	10. 1 x Motor/gearbox assembly
5. 2 x Rear Stands	11. 1 x Combination Spanner
6. 1 x Stand Connector	12. 1 x Stand tilt/swivel unit

# ASSEMBLY

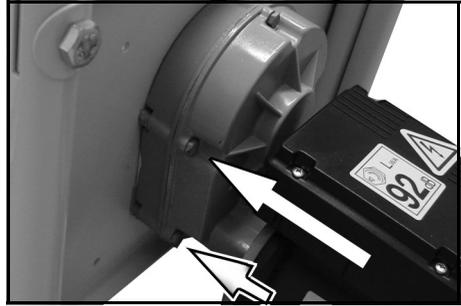
1. Bolt the rear supports to the main frame using the first pair of nuts & bolts supplied.
  - Do not fully tighten at this stage.



2. Insert the left and right handlebars into the main frame brackets.
3. Connect the tie bar to the two handlebars and secure tie bar with nuts/washers supplied.
4. Bolt the handlebars to the main frame using the second pair of bolts/washers/dome nuts supplied.
5. Tighten all fastenings using the spanner supplied.
6. Tip the assembly over so that it stand on the handles and rear supports.
7. Slide the wheels onto the axles and secure by driving in the wheel bungs supplied using a hammer or mallet.



8. Attach the motor and gearbox assembly to the main frame, by passing the four studs through their holes in the main frame, (ensuring the on/off switch assembly is at the top, with the machine the correct way up) and secure with nuts and washers from the fixing kit.

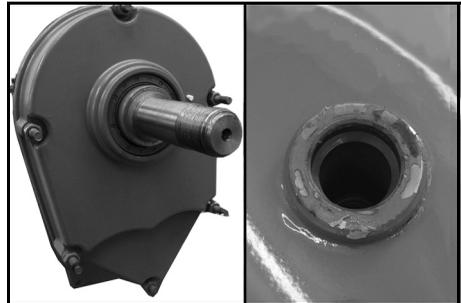


9. Tighten all the nuts fully.

10. Mount the mixing drum assembly onto the gearbox shaft by screwing it onto the thread of the gearbox drive shaft.

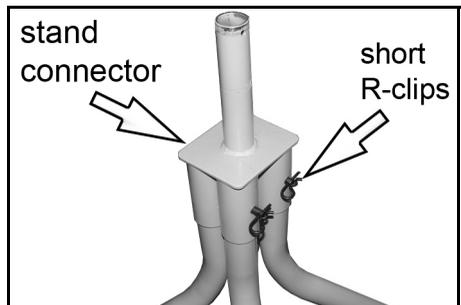
- An assistant may be helpful in doing this.

11. Check all components including nuts, bolts and pins are secure.



12. Assemble the stand by sliding the locating pins through the stand connector and each pair of legs. Fasten in place with the short R-clips provided.

- Locate the Tilt/Swivel unit onto the stand and secure with the bolt provided. Do not over-tighten as this needs to move freely.

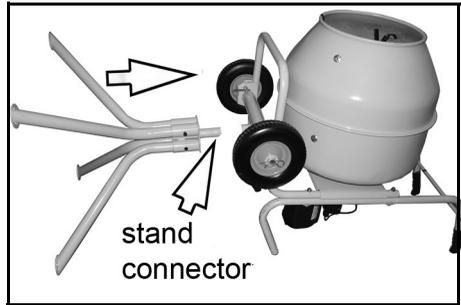


- The assistance of another person will be required to do this.



CAUTION: OWING TO THE WEIGHT OF THE MACHINE, TWO PEOPLE WILL BE REQUIRED TO LIFT THE MIXER UPRIGHT.

13. With the machine laying on the handlebars and rear supports, insert the slot in the Stand/Swivel unit over the axle and secure with the two pins and R-clips provided.
14. With assistance, lift the complete assembly to the upright position.

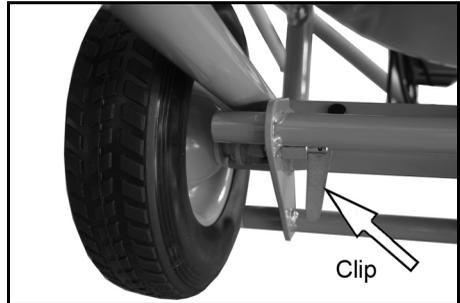


# OPERATION

1. Switch the machine on by pressing the green (I) switch on the motor. Stop by pressing the red (O) switch.
2. Introduce water first, to prevent the mixer from clogging.
3. Add cement as required.
4. Add aggregate etc.



- Do not load the drum when the machine is switched off. Always set the machine running before filling.
  - Do not stop and start the mixer while there is a heavy weight of material inside the drum as the extra strain could be harmful to the motor and gearbox.
  - Keep the drum rotating while emptying the mixture.
5. When emptying, grip both handles firmly and tip the mixer forward.
  6. Lock it in the forward position by engaging the axle clip shown.
    - Only discharge the mixer when a suitable receptacle for the material is in position.
    - Do not operate this machine on a steep gradient. Always stand the mixer on firm, level ground where it cannot tip over.



**WARNING: REMEMBER, THE CENTRE OF GRAVITY OF THE LOADED MIXER MAY PRESENT A HAZARD WHEN OPERATING ON UNEVEN GROUND.**

- Always keep water well away from the motor and other electrical components.

It is essential that the mixer is kept clean. Dried cement inside the drum will be very difficult to remove. For the mixer to perform at its best it must be thoroughly cleaned after every use.

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# CARE AND MAINTENANCE

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## BEFORE STARTING WORK

Inspect the power cable and ensure it is free from damage and is not in danger of being damaged by vehicles, equipment or other operations taking place on the work site.

## AFTER USE

It is essential that the machine is hosed down thoroughly with clean water, being sure to remove all traces of cement mix especially from around the mixing blades. Take care to prevent water from entering the motor housing and if necessary, wrap a polythene sheet or bag over it during cleaning.

## PERIODICALLY

After extensive use, inspect the paintwork and remove any rust that may be apparent before touching up where necessary with a rust resistant paint.

## STORAGE

The stand components can be stored separately after removing the short R-clips and separating the legs from the stand connector. Store the pins and clips in their usual holes in the stand connector.

The wheels can still be used for mobility. Always store the mixer in a dry place out of reach of children.



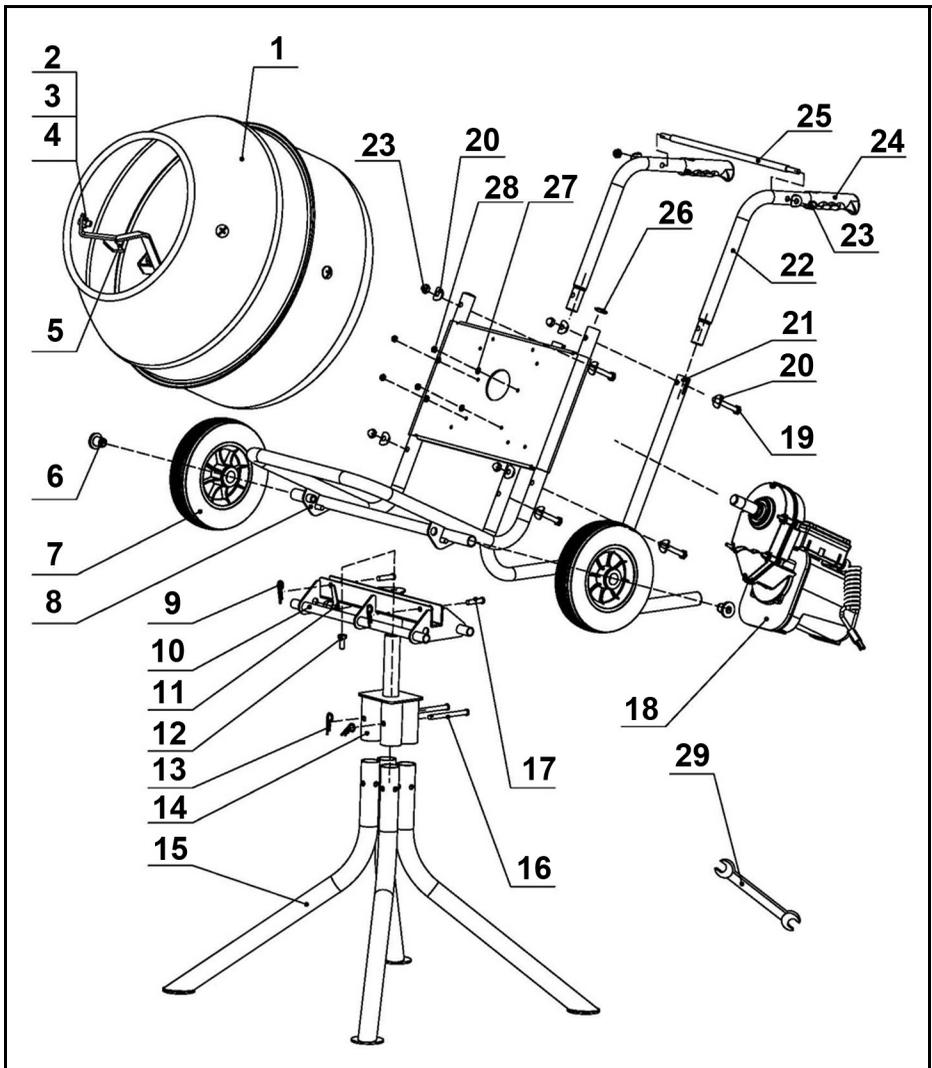
CAUTION: OWING TO THE WEIGHT OF THE MACHINE, TWO PEOPLE WILL BE REQUIRED TO LAY THE MIXER DOWN AND REMOVE IT FROM THE STAND.



Through the purchase of this product, the customer is taking on the obligation to deal with the Waste Electrical/Electronic Equipment (WEEE) in accordance with the WEEE regulations in relation to the treatment, recycling/recovery and environmentally sound disposal of WEEE.

If disposing of this product or any broken parts, do not dispose of with general waste. It must be disposed of according to the laws governing Waste Electrical and Electronic equipment at a recognized disposal facility.

# PARTS DIAGRAM



## PARTS LIST

ID	DESCRIPTION
1	Mixing Drum
2	Nut M12
3	Washer 12 dia
4	Screw M12 x 21
5	Mixing Paddle
6	Wheel Bungs
7	Wheel /tyre 2.75 x 10
8	Chassis
9	R-Clip (small)
10	Lock Pins
11	Lock Pin
12	Bolt M12 x 25
13	R-Clip
14	Stand Connector

ID	DESCRIPTION
15	Stand
16	Axle Pin
17	Pin
18	Motor & Gearbox Assembly
19	Bolt M10 x 75
20	Washer
21	Rear Stand
22	Handle
23	Cover Nut
24	Handle Grip
25	Reinforcing Pole
26	Tube Plug
27	Washer 6 dia
28	Nut M6
29	Spanner

# DECLARATION OF CONFORMITY



**Clarke**<sup>®</sup>  
**INTERNATIONAL**

Hemnal Street, Epping, Essex CM16 4LG

## DECLARATION OF CONFORMITY

This is an important document and should be retained.

**Product Description:** Cement Mixer  
**Model number(s):** CCM134L  
**Serial / batch Number:** N/A  
**Date of Issue:** 01/10/2013  
*(Noise Conformity)*  
**Notified Body:** N/A

**Technical Documentation Holder:** A.R. Pond  
Clarke International  
2a Shrubland Road  
London E10 7RB  
UK

**Conformity Assessment Procedure:** to 2000/14/EC Annex V  
**Manufacturer:** Clarke International  
**Noise Related Value:** 0.134 m<sup>3</sup>  
**Measured Sound Power Level:** 90 dB  
**Guaranteed Sound Power Level:** 90 dB

# DECLARATION OF CONFORMITY



**Clarke**<sup>®</sup>  
**INTERNATIONAL**

Hemnal 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 directive(s):

- 2004/108/EC *Electromagnetic Compatibility Directive.*
- 2006/42/EC *Machinery Directive.*
- 2011/65/EU *Restriction of Hazardous substances.*
- 2000/14/EC *Noise Emissions Directive, (amended by 2005/88/EC).*

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

- EN 55014-1:2006 +A1:2009 +A2:2011, EN 12151:2007, EN61000-3-2:2006 +A1:2009 +A2:2009,*
- EN 60204-1:2006 +A1:2009, EN ISO 12100:2010, EN55014-2:1997+A1:2001 +A2:2008,*
- EN61000-3-3:2008.*

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: 2009

Signed:

J.A. Clarke  
Director

# A SELECTION FROM THE VAST RANGE OF

# Clarke®

## QUALITY PRODUCTS

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