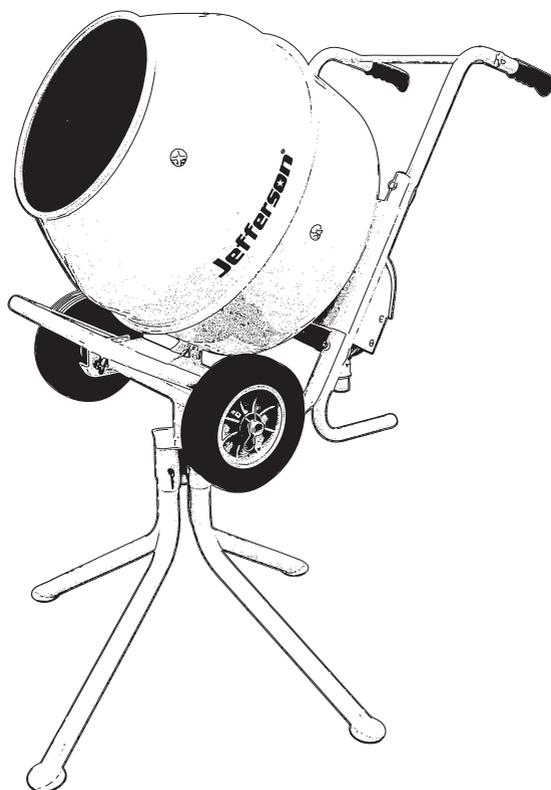


Jefferson®



110V / 230 Electric Cement Mixer

JEFCEM1100 / JEFCEM1240

User Manual

v.1.1



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Important: This manual is an essential part of this Jefferson product and should be kept safe with the product for future reference. This manual outlines the purpose for which the product has been designed and contains important information to ensure its correct and safe use. It is essential that you read and understand the information in this manual before operating this equipment.

1. General Safety

This equipment should only be operated by qualified and responsible individuals who have read and understood the information and guidelines described in this document. In particular, the following safety instructions should be followed to reduce the risk of injury to the operator and members of the public.

1. Familiarise yourself with this equipment and its operation before use - **read this user manual carefully before use.** Save for future reference.
2. This appliance is for outdoor use only. Ensure that all bystanders are kept at a safe distance and that animals and children are kept from the work area.
3. Never use this equipment if any part or accessory is damaged or malfunctioning.
4. Always shut the equipment off completely when not in use and if left unattended.
5. Ensure that the equipment is completely shutdown and disconnected from the mains before carrying out any servicing or repairs.
6. Only Jefferson approved engineers should carry out repairs and maintenance on this equipment. Only use Jefferson-approved replacement parts to repair this equipment. Never modify the equipment in anyway. Ensure that the equipment is kept in good working order and cleaned and serviced regularly. Check the external nuts and fixings regularly to ensure that they have not loosened from vibration during use.
7. Ensure that the electrical cable is fully protected and there is no danger of damage for equipment or materials. Always inspect the cable before use and replace if any damage is apparent.
8. Do not wear jewellery or loose clothing that could be snagged by the rotating drum.
9. Keep your hands clear of the rotating drum at all times. Never put your hands inside of the drum when the machine is running.
10. Ensure that the guards are always used.
11. This equipment is heavy and requires two people to lift and assemble.
12. Ensure that the equipment is operated from a stable even surface.

14. Do not load the drum when the machine is switched off. Always ensure that the drum is rotating before gradually adding the mix. This will help to preserve the motor and gearbox.

15. Do not allow water to come into contact with the motor or electrical components.

16. Do not operate under the influence of alcohol or drugs.

17. Keep the drum free from debris and mortar build up (clean after every use).

18. Keep all moving parts (wheel axles, swivel brackets etc.) lightly greased.

Electrical Safety

WARNING: *Electricity can kill. Please read the safety instructions before using this equipment.*



All portable electrical appliances are dangerous if used incorrectly.

Check to ensure that the machine is operating on the correct supply voltage as indicated on the rating label for this equipment.

Always use a Residual Current Device (RCD) plugged directly into the socket. If you are using an extension cable, ensure that it is plugged directly into the RCD.

If you are using an extension cable ensure that it is no more than 30M (100ft) in length with 1.5mm² core. Ensure that the cable is fully unwound.

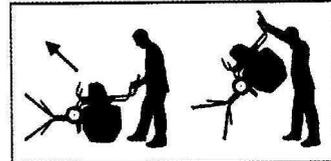
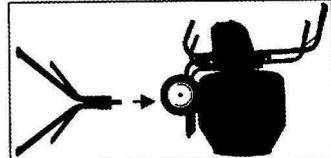
Ensure that the extension cable is carefully laid out avoiding liquids and sharp objects. Ensure that it cannot become a tripping hazard or be run over by vehicles and other mobile equipment.

When not in use store in a dry locked place.

This equipment is fitted with a no-voltage release switch. If power supply fails the machine will stop. You can restart the mixer by pressing the green button.

2. Unpacking & Assembly

1. Insert the left handlebar into the lower stand bracket and align the fixing hole. Repeat this process for the right hand side.
2. Place the main frame on a level surface, secure the two handle-bar sections into the rear of the main frame with four nuts & bolts using the spanner included in the fixing kit.
3. Slide the wheels onto the main frame axle and secure with the cotter pins included in the fixing kit.
4. Attach the motor and gearbox unit onto the four studs on the main frame (making sure that the switch is at the top). Secure with the nuts and washers included in the kit.
5. Fit the motor inspection lid and side covers using the screws supplied in the fixing kit to the main frame.



6. Mount the drum onto the motor shaft, turn the drum in a clockwise direction until it is tight and secure.
7. Secure the mixing blades to the inner drum with the nuts and bolts included in the assembly kit. Assemble with the bolt head on the outside of the drum.
8. Before operating the mixer, always check that the cotter pins are in place and that all nuts, bolts and screws are tight and secure.
9. Assemble the stand and fit to the mixer as shown on the decals fixed to the motor side plate.

Important: Ensure that the axle securing clip is engaged before lifting or lowering the mixer.

3. Basic Operation

1. Operate the mixer by turning it **on** with the GREEN button and turning it **off** with the RED button.

Mixing Guidelines:

1. Start the mixer and ensure that the drum is rotating
2. Add water to prevent contents sticking to the drum.
3. Add the cement.
4. Add the aggregate



Important: After unpacking, inspect the equipment carefully and ensure that the product is in perfect condition without any defects or no damaged or worn parts. Please dispose of all the packaging materials appropriately, recycling all materials where facilities are available.

4. Specifications

SPECIFICATIONS

Motor:	0.5HP Single Phase
Speed:	1440rpm
Voltage:	110V / 230V (50Hz)*
Drum Diameter:	61cm
Drum Capacity:	130L / 5ft³
Batch Output:	70L / 2.5ft³
Discharge Outlet Height:	104cm
Wheel Size:	25.5 x 6.5cm
Weight:	72 kg
Operating Dimensions:	138cm x 110cm x 62cm
Storage Dimensions:	72cm x 66cm x 66cm
Protection Rating:	IP44
Guaranteed Sound Power Level:	90Lwa

**Voltage (110V or 230V) indicated on the mixer*

5. Maintenance & Storage

Before Each Use:

Inspect the power cable to ensure that it is completely free from damage and that all fittings are tight and secure.

Periodically

Inject a few drops of light oil onto the moving parts (wheel axles, swivel brackets etc.)

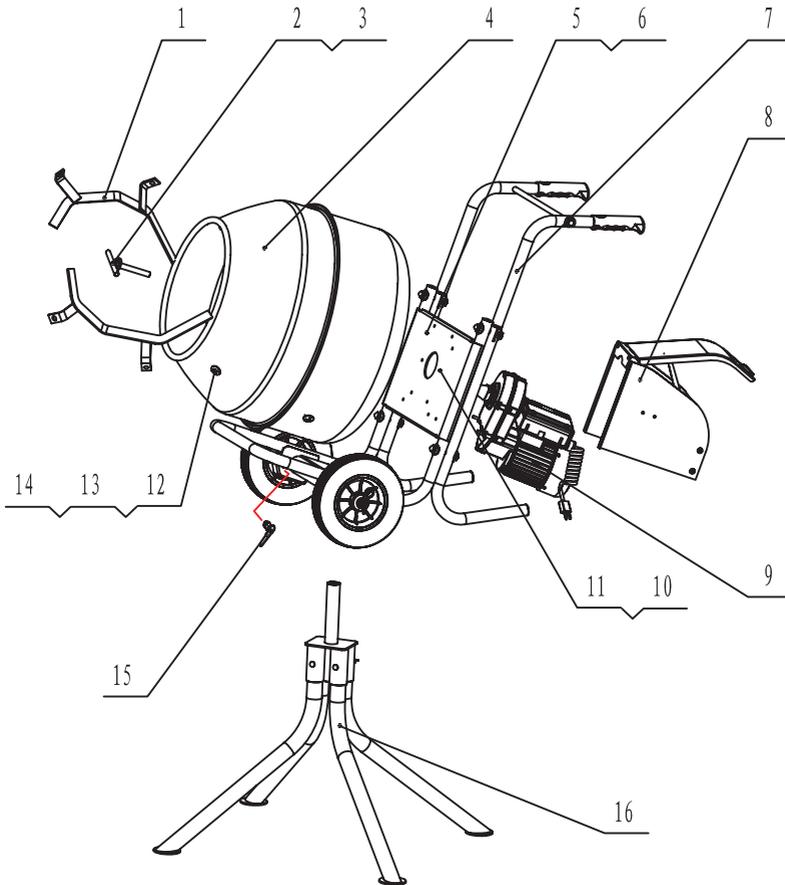
After each use

Hose down the drum and stand with clean water. Take care to prevent any water entering the motor housing and electrical components by protecting them with waterproof covering during the cleaning process.

Storage

Store in a safe dry environment away from children and animals.

6. Parts List & Diagram



No.	Code	Qty
1	XH-PCM5-HEA	2
2	XH-PCM5-HDC-02	1
3	XH-PCM5-HDC-03	1
4	XH-PCM5-HDC	1
5	M6X12	6
6	GB/T6177.1 M6	6
7	XH-PCM5-HAD	1
8	XH-PCM5-HCD	1

No.	Code	Qty
9	XH-PCM5-HBA (E)	1
10	GB/T97.16	4
11	GB/T899.1 M6	4
12	M12x25	4
13	GB/T93 12	4
14	GB/T61780 M12	4
15	XH-PCM5-H-01	1
16	XH-PCM5-H-02	1

Limited Warranty Statement

Jefferson Professional Tools & Equipment, or hereafter "Jefferson" warrants its customers that its products will be free of defects in workmanship or material. Jefferson shall, upon suitable notification, correct any defects, by repair or replacement, of any parts or components of this product that are determined by Jefferson to be faulty or defective.

This warranty is void if the equipment has been subjected to improper installation, storage, alteration, abnormal operations, improper care, unauthorised service or repair.

Warranty Period

Jefferson will assume both the parts and labour expense of correcting defects during the stated warranty periods below.

All warranty periods start from the date of purchase from an authorised Jefferson dealer. If proof of purchase is unavailable from the end user, then the date of purchase will be deemed to be 3 months after the initial sale to the distributor.

1 Year

- All Jefferson Cement Mixers

90 Days

- All replacement parts purchased outside of the warranty period

Important: All parts used in the repair or replacement of warranty covered equipment will be subject to a minimum of 90 days cover or the remaining duration of the warranty period from the original date of purchase.

Warranty Registration / Activation

You can register and activate your warranty by visiting the Jefferson Tools website using the following address: www.jeffersonstools.com/warranty and completing the online form. Online warranty registration is recommended as it eliminates the need to provide proof of purchase should a warranty claim be necessary.

Warranty Repair

Should Jefferson confirm the existence of any defect covered by this warranty the defect will be corrected by repair or replacement at an authorized Jefferson dealer or repair centre.

Packaging & Freight Costs

The customer is responsible for the packaging of the equipment and making it ready for collection, **together with a proof of purchase**. Jefferson will arrange collection and transportation of any equipment returned under warranty. Upon inspection of the equipment, if no defect can be found or the equipment is not covered under the terms of the Jefferson warranty, the customer will be liable for any labour and return transportation costs incurred.

These costs will be agreed with the customer before the machine is returned.

* Jefferson reserve the right to void any warranty for damages identified as being caused through misuse

Warranty Limitations

Jefferson will not accept responsibility or liability for repairs made by unauthorised technicians or engineers. Jefferson's liability under this warranty will not exceed the cost of correcting the defect of the Jefferson products.

Jefferson will not be liable for incidental or consequential damages (such as loss of business or hire of substitute equipment etc.) caused by the defect or the time involved to correct the defect. This written warranty is the only express warranty provided by Jefferson with respect to its products.

Any warranties of merchantability are limited to the duration of this limited warranty for the equipment involved.

Jefferson is not responsible for cable wear due to flexing and abrasion. The end user is responsible for routine inspection of cables for possible wear and to correct any issues prior to cable failure.

Important: *Jefferson Tools will be unable to process any warranty coverage applications without a copy of the proof of purchase.*

Claiming Warranty Coverage

The end user must contact Jefferson Professional Tools & Equipment (**Tel:** +44 (0) 1244 646 048) or their nearest authorised Jefferson dealer where final determination of the warranty coverage can be ascertained.

Step 1 - Reporting the Defect

Online Method:

- Visit our website www.jeffersonstools.com/warranty and complete the Warranty Returns form. You can complete the form online and submit it to us directly or download the form to print out and return by post.

Telephone Method:

Contact your Jefferson dealer or sales representative with the following information:

- Model number
- Serial number (usually located on the specification plate)
- Date of purchase

A Warranty Returns form will be sent to you for completion and return by post or fax, together with details of your nearest authorised Jefferson repair centre. On receipt of this form Jefferson will arrange to collect the equipment from you at the earliest convenience.

Step 2 - Returning the Equipment

It is the customer's responsibility to ensure that the equipment is appropriately and securely packaged for collection. Please ensure that you include a copy of your proof of purchase. Please note that Jefferson cannot assume any responsibility for any damage incurred to equipment during transit. Any claims against a third party courier will be dealt with under the terms & conditions of their road haulage association directives.

Step 3 - Assessment and Repair

On receipt, the equipment will be assessed by an authorised Jefferson engineer and it will be determined if the equipment is defective and in need of repair and any repairs needed are covered by the warranty policy. In order to qualify for warranty cover all equipment presented must have been used, serviced and maintained as instructed in the user manual.

Where repair is not covered by the warranty a quotation for repair, labour costs and return delivery will be sent to the customer (normally within 7 working days).

Note: *If the repair quotation is not accepted Jefferson Professional Tools & Equipment will invoice 1 hour labour time at £30 per hour plus return carriage costs (plus VAT).*

In cases where no fault can be found with the equipment, or, if incorrect operation of the equipment is identified as the cause of the problem, a minimum of 1 hour labour at £30 per hour plus carriage costs will be required before the equipment will be despatched back to the customer.

Any equipment repaired or replaced under warranty will normally be ready for shipment back to the customer within 7 working days upon receipt of the equipment at an authorised Jefferson Repair centre (subject to part availability). Where parts are not immediately available Jefferson will contact you with a revised date for completion of the repair.

General Warranty Enquiries

For any further information relating to Jefferson warranty cover please call **+44 (0) 1244 646 048** or send your enquiry via email to **warranty@jeffersontools.com**.

Jefferson®

Parts & Servicing

For Jefferson approved replacement parts contact your nearest dealer or contact Jefferson tools

Telephone: +44 (0)1244 646 048

Fax: +44 (0)1244 241 191

Email: warranty@jeffersontools.com

Disclaimer:

The information in this document is to the best of our knowledge true and accurate, but all recommendations or suggestions are made without guarantee. Since the conditions of use are beyond their control, Jefferson Tools® disclaim any liability for loss or damage suffered from the use of this data or suggestions. Furthermore, no liability is accepted if use of any product in accordance with this data or suggestions infringes any patent. Jefferson Tools® reserve the right to change product specifications and warranty statements without further notification. All images are for illustration purposes only.

EC Declaration of Conformity

We, Jefferson Professional Tools & Equipment, as the authorised European Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following Directives:

2000/14/EC (as amended)	Noise Emission in the Environment by Equipment for Use Outdoors
2004/108/EC (as amended)	Electromagnetic Compatibility
2006/42/EC (as amended)	Machinery Directive

Equipment Category: Electric Concrete Mixer (Item 11)

Product Name/Model: JEFCEM1100 / JEFCEM1240

The conformity assessment procedure followed was in accordance with Annex V of the Outdoor Noise Directive.

Measured Sound Power Level: 89.96dB

Guaranteed Sound Power Level: 90.4dB

A copy of this certificate has been submitted to the European Commission and to the EU Member State, United Kingdom

Signed by: Stephen McIntyre
Position in the company: Operations Director
Date: 23rd December 2014



This technical document is held by: Jimmy Hemphill

Technical file holder's address as shown below

Name and address of manufacturer or authorised representative:



IMPORTANT! SAFETY FIRST!

Before attempting to use this product please read all the safety precautions and operating instructions outlined in this manual to reduce the risk of fire, electric shock or personal injury.

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