



Xo 55 R duo

**Original Operating Instructions
Electronic Hand-Mixer double-spindle**

110 volts - UK-plug

Technical data

Rated power/Current consumption:	1450 W /
Power supply:	110-125 V
Frequency:	50/60 Hz
No-load speed, first gear	- 640 min ⁻¹
Rpm under load, first gear	- 430 min ⁻¹
Tool connection:	HEXAFIX
Mixing tool:	MKD 140 HF
Weight w/o mixing tool:	6,9 kg / 15.2 lbs
Protection class:	□ / II

Xo 55 R duo

Machine components

- 1 Release button for ON/OFF switch
- 2 ON/OFF switch
- 3 Handle frame with rubber buffer
- 4 Handle
- 5 Holes for machine mounting
- 6 Ventilation slits
- 7 Mixing shaft
- 8 Mixing shaft marking
- 9 HEXAFIX coupling
- 10 Mixing tool (with HEXAFIX-shaft)
- 11 Protective caps

Noise/vibration levels

Measured values determined in accordance with EN 62841. The A-weighted noise level of the machine is typically:

	Sound pressure level L_{pA} [dB(A)]	Sound power level L_{WA} [dB(A)]
Xo 55 R duo	88 dB(a)	99 dB(A)
	Uncertainty K = 3 dB	

Overall vibration level (for mixing of mineral materials)

	Emission level a_n [m/s ²]
Xo 55 R duo	1,8 m/s ²
	Uncertainty K = 1,5 m/s ²

WARNING:

The measured values which are provided apply to new machines. Noise and vibration levels change with day-to-day use.

NOTE

The vibration level given in these instructions was measured in accordance with a standardized method of measurement as defined in EN 62841 and can be used for the purposes of comparing electrical tools with each other. It is also suitable for a preliminary estimation of vibration strain. The vibration level which is given represents vibration level for the primary use of the electrical tool. If, however, the electrical tool is used for any other purposes, with different plug-in tools or with insufficient maintenance, the vibration level may vary. This can result in a significantly higher level of vibration strain over the work period as a whole.

For a precise estimation of the vibration strain the times when the machine is switched off have to be taken into account as well, as do the times when it is running but is not actually being used. This can result in a significantly reduced level of vibration strain over the work period as a whole.

CE Declaration of Conformity

We declare, with sole responsibility, that this product complies with the following standards or normative products: EN 55014-1:2017, EN 55014-2:2015, EN 61000-3-2:2014, 61000-3-3:2013, EN 62841-1:2015+AC:2015, EN 62841-2-10:2017 in accordance with the provisions of directives 2014/30/EC, 2006/42 EC, 2011/65/EC.



Gaimersheim, 2019-05-28
Alexander Essing
Managing Director

Technical documentation can be requested from:

Collomix GmbH
Abt. Technische Entwicklung
Daimlerstr. 9, 85080 Gaimersheim, Germany

Machine-specific safety instructions

⚠ WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

To be able to use the machine safely it is essential that you read the operating instructions and the safety instructions thoroughly and comply with all of them. The machine is to be used only by persons who have read the operating instructions and who are acquainted with the occupational safety and accident prevention regulations in force in your country.

⚠ In addition, you must also comply with the general safety instructions also included with the machine.

- ▶ Take care to ensure that the mains power supply corresponds to the specifications on the rating plate.
- ▶ Hold the power tool with both hands by the handles provided. Loss of control may result in injury.
- ▶ To avoid a dangerous atmosphere, ensure adequate ventilation when mixing flammable substances. Vapours formed may be inhaled or ignited by sparks generated by the power tool.
- ▶ Do not stir any food. Power tools and their insert tools are not designed for processing food.
- ▶ Keep the power cord away from the working area. The mains cable may get caught in the stirring basket.
- ▶ Ensure that the mixing bucket is firmly and safely positioned. An improperly secured bucket may move unexpectedly.
- ▶ Make sure that no liquid splashes against the housing of the power tool. Liquid entering the power tool can cause damage and electric shock.
- ▶ Follow the instructions and safety instructions for the material to be mixed. The material to be mixed may be harmful to health.
- ▶ If the power tool falls into the material to be mixed, immediately unplug the power plug and have the power tool checked by qualified personnel. Reaching into the bucket with the power tool still hanging from the socket inside it can lead to an electric shock.
- ▶ Do not reach into the stirring container with your hands or insert any other objects while stirring. Contact with the paddle can cause serious injury.
- ▶ Only let the power tool run on and off in the stirring bucket. The paddle can spin around or bend in an uncontrolled manner.

Further safety instructions:

- ▶ Do not wind cables or leads around any parts of your body.
- ▶ Do not use the machine with a damaged cable. Do not touch the cable and pull out the power plug immediately. There is an increased risk of electric shock from damaged cables. If the mains power cable has to be replaced (because of damage or similar), ensure that it is replaced by the manufacturer or an authorized representative of the manufacturer (electrician) in order to avoid any risk to safety.
- ▶ Hold the machine by the insulated grip surfaces when carrying out work where it may be possible for the plug-in tool to come into contact with concealed power cables or the machine's own mains power cable. Contact with a live cable may make metal components of the machine live as well and could cause an electric shock.
- ▶ Before starting up, check that the mixing rod is securely attached and rotates without a hitch.
- ▶ Only operate the machine and the mixing tool in perfect condition. Do not use damaged, bent or worn paddles.
- ▶ If the sound pressure level should exceed 85 dB (A) where you are working, use ear protection!
- ▶ We recommend that you wear work gloves and protective goggles when using the mixer. Regulations require that you wear close-fitting clothing.
- ▶ Always connect machines via a residual current device (RCD) with a rated residual current of 30 mA or less.



Read and observe the operating instructions for the machine before you start it up!



Always wear protective goggles and ear protection while working.



It is advisable to wear a dust mask whenever working with materials which generate large amounts of dust.



Always wear protective gloves while working.



Wear safety shoes with steel caps during operation

Proper use

The machine is designed for mixing liquid, granular and powder-based building products such as paints, mortar, concrete, adhesives, plaster, mixes containing silica sand, thermosetting resin and similar substances. Use the right mixing tool for the consistency of the material and the quantity to be mixed.

Please refer to the information in the technical data when choosing the size of mixing tool (diameter/mixing action). If the wrong mixing action or mixing tool diameter is selected, this may cause the machine/gear unit to become overloaded and lead to damage as a result. Please remember that a mixing tool with a mixing action from the top down puts a greater strain on the electrical tool than one with the reverse mixing action.

Given the high torque levels generated by the machine, it must not be used as a power drill.

The machine must not be used for the preparation of foodstuffs.

The machine is not suitable for mixing materials containing graphite dust, brine or slurry. Mixing of these materials or substances may damage the machine beyond repair.

Assembly

► **Always pull the power plug out of the socket outlet before carrying out any work on the machine.**

Fitting the stirrer / tool change-over (Fig. A):

Insert the mixing tool with the HEXAFIX mount in the coupling until it locks. Make sure that the markings on the mixing attachments match those of the respective mixing shaft when you fit them (I + II). For trouble-free operation the markings must match up. In addition, the stirrers can only be fitted in certain positions. This is to ensure that they do not come into contact with each other.

To release or change the mixing tools, simply pull back the handle-collar on the coupling and this releases the mixing tool.

Switching the mixing tools over allows the mixing action to be reversed. This can be an advantage for liquid materials. Please note, however: This places greater strain on the drive unit. The supplied protective caps are designed to prevent the HEXAFIX coupling getting dirty and help contribute to trouble-free operation.

Operation

► **Check that the power supply shown on the rating plate is the same as the mains power supply.**

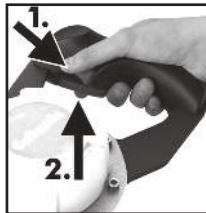
Always hold the machine with both hands.



Press the starting lockout button (1).

Press the ON/OFF switch (2).

The more pressure you apply to the ON/OFF switch, the faster the machine will run. **The ON/OFF switch cannot be locked!**



Always work with the ON/OFF switch fully pressed.

To stop working, release the ON/OFF switch.

Tips for safe working:

Always reduce the speed when submerging the mixing tool in the mixing material or lifting it out. Once the mixing tool is fully submerged, increase the speed again to ensure that the motor is adequately cooled.

During mixing you should guide the machine around the mixing container. Continue mixing until all of the mixing material is completely mixed. Please follow the processing instructions of the manufacturer of the material.

You work better and safer when the mixing tool used is clean, free of material residues and in perfect condition.

The greater the viscosity of the material, the greater the impact of the torque forces on the machine, so you should be prepared for this when you carry out your work.

If the mixing tool comes into contact with a surface (e.g. the bottom of the tub) while running, it may kick back.

Set the machine down resting on the guard handle after you have finished your mixing work.

Care and maintenance

- **Before you carry out any operations on the machine, and especially when changing the mixing tool, always pull out the power plug out first.**

Clean the machine and the mixing tool immediately after use. We recommend that you use the Collomix MIXER CLEAN cleaning bucket for cleaning.



Keep the HEXAFIX coupling clean and freely moving at all times.

Take the mixing tool out of the coupling after you have finished your work.

Grease the hexagon mount of the **coupling at regular intervals with suitable grease.**

Keep the ventilation slits clean and clear at all times so that the machine can be properly cooled. Blocked ventilation slits will lead to irreparable damage to the machine.

Make sure that the ON/OFF switch moves and releases smoothly at all times.

The machine is equipped with self-deactivating carbon brushes. This means that the machine will shut itself down once a certain level of wear is reached. The carbon brushes can be replaced by the authorized customer service center or by the Collomix Service center.

Have repairs carried out only by an approved workshop or by your Collomix Service.

Only use original Collomix accessories and replacement parts.

For exploded drawings, lists of replacement parts and the form for repair orders, please refer to: <http://www.collomix.com>

Disposal

The device, accessories and packaging should all be consigned for environment-friendly recycling.

Electrical tools which have come to the end of their service lives must be made unusable by removing the mains power cable.

For EU countries only:

Do not dispose of electrical tools with household waste.



In accordance with EU Directive 2002/96/EC concerned with used electrical and electronic equipment and the incorporation of the requirements of the directive in national legislation, unusable electrical equipment must be collected separately and consigned

for environment-friendly recycling.

Content

- 1x Mixing machine with Hexafix couplings
- 1x pair of mixing paddles MKD
- 1x Manual
- 1x General safety notes

Warranty

The manufacturer provides a warranty within the framework of his terms and conditions of delivery in accordance with the requirements of statutory/country-specific provisions. Should you need to make a claim under the warranty, please provide us with your invoice or delivery note.

On no account will any warranty claims be accepted if any repairs are carried out by third parties. In the event of any irregularities, please send the machine to us. **Complaints can only be accepted if the device is sent to the Collomix Service center undismantled.**

The warranty does not apply to damages caused by normal wear, overloading, improper handling, unsuitable accessories or inadequate maintenance.

Any structural or functional modifications to the machine which are made without our agreement shall render the warranty and the Declaration of Conformity null and void.

Subject to change.

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