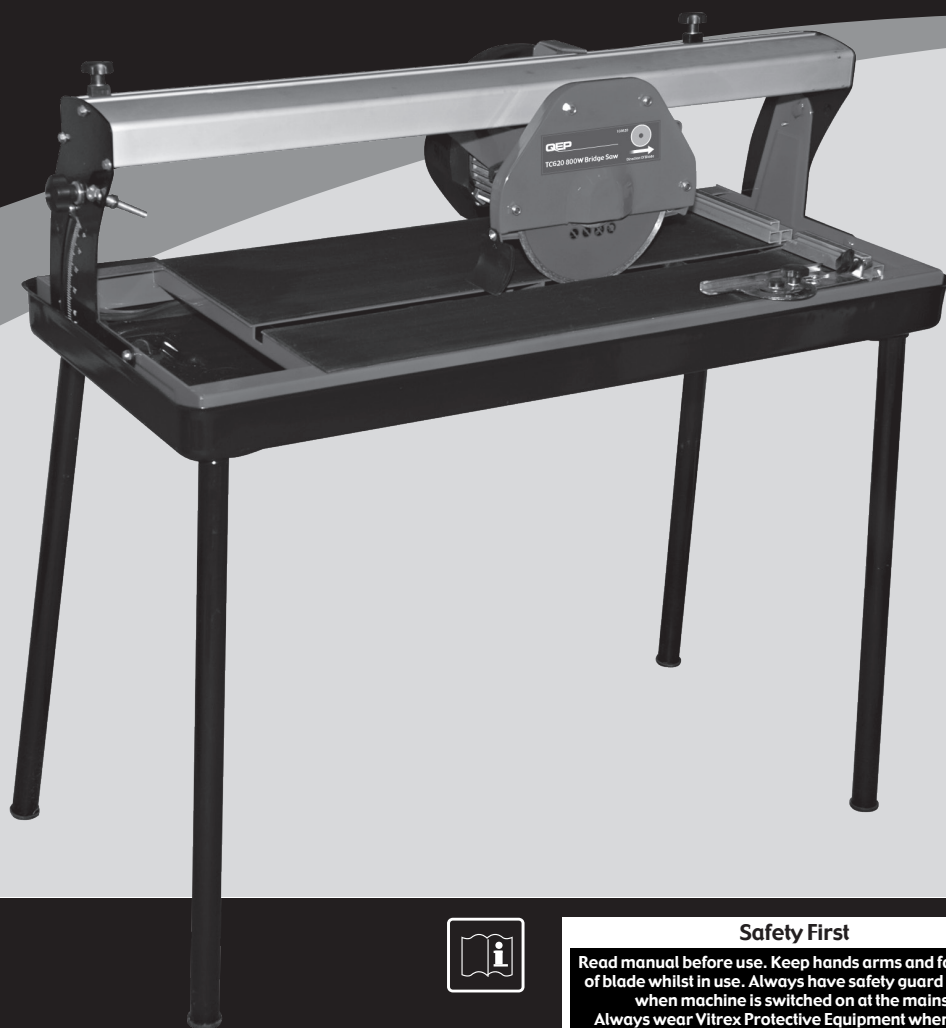




103620

# TC620 - 800W Bridge Saw

## Owner's Safety and Operating Manual



### Safety First

Read manual before use. Keep hands arms and face clear of blade whilst in use. Always have safety guard in place when machine is switched on at the mains. Always wear Vitrex Protective Equipment when using hand or power tools.



brand of **QEP**



# **TC620 - 800W Bridge Saw**

## **Owner's Safety and Operating Manual**

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# TC620 - 800W Bridge Saw

## Safety Instructions

To use this tool correctly, you must observe the Safety Regulations, the Assembly Instructions and the Operation Instructions contained in this Manual.

All persons who use and service the machine must be acquainted with this Manual and must be informed about any potential hazards.

Children and infirm people must not use this tool. Children must be supervised at all times if they are in the area in which the tool is being used.

It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

- Make sure that the cutting disc is correctly screened by the guard.
- Never remove the riving knife. The distance between the cutting disc and the riving knife should not exceed 5 mm.
- Do not use cutting discs which are bent, deformed or otherwise damaged.
- Do not use cutting discs which do not comply with the specifications stated in this manual.
- Never start cutting tiles before the machine reaches full speed.
- Never attempt to cut extremely small workpieces.
- Do not leave the work area until the machine has been switched off and the cutting disc has come to a complete standstill.
- Never attempt to stop the cutting disc by exerting pressure on the side of the disc.
- Before use check the pump for damage. Should the pump be damaged, it must not be used.
- Never let the pump run dry.

- Never lift the pump by the mains cable or hose, but only by the housing.

- Always unplug the machine before performing any maintenance.

- Do not use the machine before it has been completely assembled and installed according to the instructions.

- Do not perform any design, assembly or construction activities on the table while the machine is switched on.

- Unplug the machine and clean the table before leaving the work area.



## Machine Specification & Electrical Requirements

Power Supply	230v/50Hz
Motor	800W
RPM (No load)	2950 RPM
Maximum Sound Level*	84.2 dB (A)
Blade size	200mm x 22.2mm bore
Maximum Depth of Cut (with new blade)	35mm
Maximum Depth of Cut at 45° (with new blade)	30mm
Mitre Cutting Angle	0°–45° degrees
Cutting Angles	0°–45° degrees
Machine & Accessories packed weight	34.5 kg

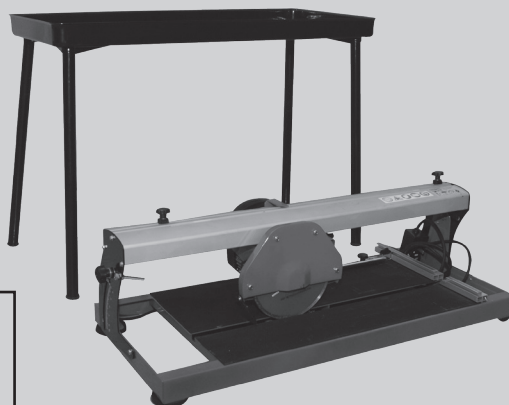
\* Note: If the sound intensity level exceeds 85 db (A) ear protection should be worn by the operator.

- Ensure that the mains voltage corresponds to the instruction plate – a single phase socket with two contacts and an earth is obligatory.
- Use an approved RCD circuit breaker between the machine and the electrical power point.
- To reduce the risk of unintentional starting, make sure that the switch is in the OFF position before plugging in.
- Repair or replace damaged or worn cable immediately after first disconnecting from mains supply.
- Electrical faults must only be carried out by a qualified electrician.
- Immediately switch off the saw in the case of:
  - Excessive sparking of the brushes
  - Malfunction of the main plug, socket or damaged cables
  - Broken switch
  - Smoke or smell caused by scorched insulation

• **WARNING** – To reduce the risk of electrocution, keep all connections dry. Do not touch the plug with wet hands. Ensure that water cannot run back along the cable from the machine and into the plug socket.

The contents of the box should include the following:

- TC620 – 800W Bridge Saw
- 200mm Diamond Blade
- Wrenches
- Water Pump and Tray
- Owner's Safety & Operating Manual



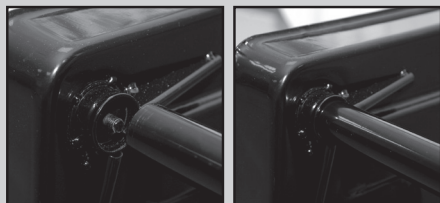
### IMPORTANT

For best results with your new TC620 – 800W Bridge Saw allow the blade to do the work, rather than forcing the tile through the machine. Should the blade stop, simply ease the tile away and then continue cutting using slightly less pressure.

# TC620 - 800W Bridge Saw

## Assembly & Operation

Remove the saw from its carton, lay carefully on its side.

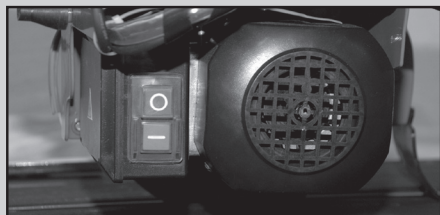


Always use the following procedure, in the order given, when assembling the water reservoir. Mount the first table leg in place. Mount the first cushion in the leg. Mount the water reservoir. Mount the other 3 legs according to the same instructions. Tighten all parts.



Put the water reservoir straight up.

### Switching on and off

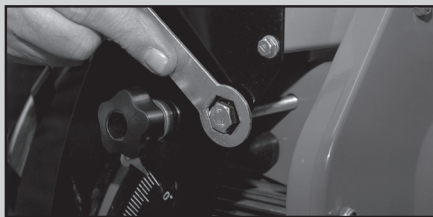


To switch the machine on, set the on/off switch to 'I'.

To switch the machine off, set the on/off switch to 'O'.

## Operating Instructions

### Straight Cuts



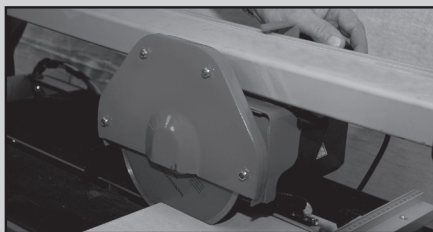
Unfasten blade carriage retaining bolt.



Push the blade carriage to its furthest point away from the operator. Place the tile in position on the cutting table so that it rests against the measuring scale and mitre guide.

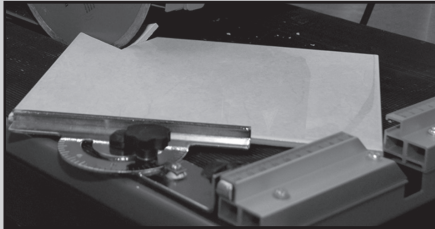


Set the size of cut required on the measuring scale and lock the mitre guide. Switch on the machine.

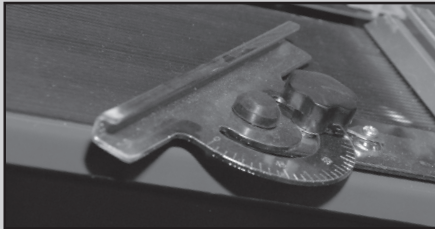


Pull the blade carriage steadily towards you, cutting through the tile. When the cut is complete, switch off the machine, removing the cut tile pieces and any debris.

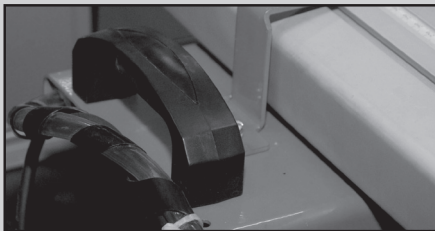
## Angular Cuts



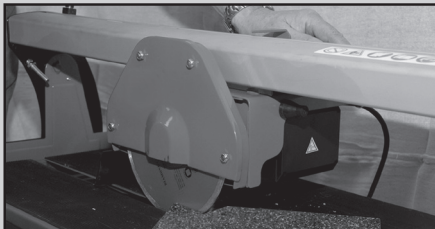
Place the tile in position on the cutting table so that it rests against the measuring scale and the mitre guide.



Loosen the winged screw on the mitre guide and set the angle of cut required.

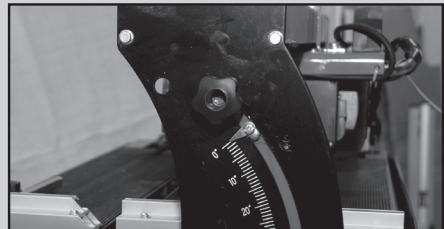


Pull the blade carriage steadily towards you, cutting through the tile.

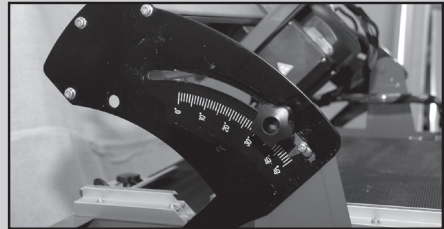


When the cut is complete, switch off the machine, removing the cut tile pieces and any debris.

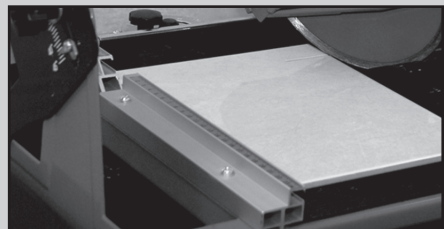
## Mitre Cuts



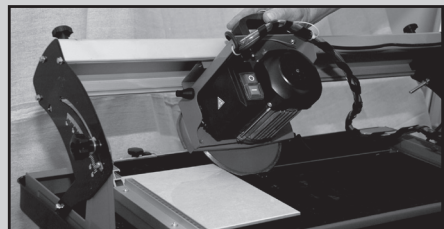
Loosen the two knobs at either end of the bridge



Tilt the bridge to the desired angle (up to 45°) and re-tighten.



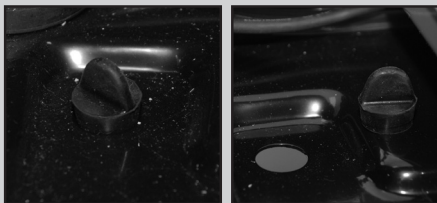
Place the tile in position on the cutting table so that it rests against the measuring scale and mitre guide.



Switch on the machine. Pull the blade carriage steadily towards you, cutting through the tile. When the cut is complete, switch off the machine, removing the cut tile pieces and any debris.

# TC620 - 800W Bridge Saw

## Emptying water from tray



To empty the water remove the plug at the bottom of the water tray.

## Blade Replacement



Remove the cover retaining screws and take off the blade guard.



Whilst holding the shaft with the spanner wrench, turn the blade retaining nut clockwise to release using the hex wrench.

Ensure that the new blade is correctly seated against the shaft and that the directional arrow matches that on the blade guard. Replace the flange and nut, taking care not to overtighten.

Rotate blade to ensure correct alignment.

Replace the blade guard and tighten all parts.

## Maintenance

- The machine does not require any special maintenance.
- Regularly remove grindings from the housing and the covers.
- The unit must not be operated if the mains connection lead is not in perfect condition.
- Replacement mains connection leads must not differ from the versions indicated by the manufacturer Mains connection cable: (H05 RN-F 3x1.0 mm<sup>2</sup>).
- Do not operate a defective unit.
- Servicing only by an authorized after-sales service point.
- Use only for operations for which the unit is intended.



## Consumer Advice

- Do not dispose of electrical products with your normal household waste.
- Always use recycling facilities whenever possible.
- Additional recycling information can be found through your local Authority or Retailer.



- For further information or advice, please call the Technical Helpline on +44 (0) 1253 789180.

This electric tile cutter has been manufactured to a high quality standard. It is guaranteed against faulty materials and workmanship for 12 months from the date of purchase. Any claim must be accompanied by a valid till receipt as proof of purchase. A faulty machine will either be repaired or replaced free of charge. If a direct replacement is not available, an alternative of the same or greater value/specification will be offered.

This guarantee does not cover machine defects caused by or resulting from:

- a) Misuse, abuse or neglect, b) Trade, Professional or hire use, c) Repairs attempted by anyone other than our authorised repair agent, d) Ingress of foreign objects, substances or accident

In the unlikely event of a fault occurring, contact should be made through the Vitrex Technical Helpline +44 (0) 1253 789180

The above guarantee is only valid within the UK and does not affect your statutory rights.

The guarantor is Q.E.P. Co. UK Ltd., Everest Road, Lytham St. Annes, Lancashire, FY8 3AZ (Registered No. 04988177 England).

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