



MANDATORY



**INDICATION
INFORMATION
INSTRUCTION**



WARNING



PROHIBITION

**These signs will give
advice for your safety.**



**Before leaving our factory every machine is
thoroughly tested.**

**Follow our instructions strictly and your machine will
give you long service in normal operating conditions.**

1 FEATURES

Use: Water cooled cutting of tile materials.

Blade Capacity: Rim 8" (200 mm) - Bore 5/8" (15.9mm)

Depths of Cut (Maximum): 1" (25mm) @ 90°;
0.7" (17mm) @45°

Cutting Width With Guide At 90°: 6" (15 cm)

Length of Cut: Unlimited

Blade RPM: 3400 (6500 maximum, no load)

Power: 3/4 HP (560W)

F.L. Amps: 9A @ 115V and 4.5A @ 230V

Motor Protection: Thermal overload with manual
reset.

Weight: 35 lbs (16 kg)

Dimensions (L x W x H):

14.5" (37 cm) x 13.5" (34 cm) x 10.25" (26 cm)

Cutting Table: 12" x 13" (31 cm x 33 cm)

Tank Capacity: 1.2 Quarts (1 litre)

Blade Cooling: Partial immersion of blade in water

(For information, contact your Felker supplier)



**Before starting up the machine, make sure you
read this entire manual and are familiar with
the operation of this machine.**



**The working area must be completely clear,
well lit and all safety hazards removed.**



**The operator must wear
protective clothing
appropriate to the work he
is doing.**



**Any persons not involved in the work should
leave the area.**



**Use only blades marked with a maximum
operating speed greater than the blade shaft
speed.**

2 MACHINE SET-UP PROCEDURES

**Your Tile Magic™ tile saw is factory assembled prior to
shipment to ensure accurate cuts when the saw is
delivered. However, since FELKER cannot control
rough handling during shipping, it is suggested that the
following procedures be followed:**

- Remove the saw from the shipping carton
- Check the carton and all packing filler for any loose
parts.

3 MOUNTING THE BLADE

1. Disconnect the saw from power source.
2. Remove the splash guard (Item 16) by loosening the
knob (Item 18) and sliding the guard up and off.
3. Loosen the two table locking knobs (Item 24), then
remove the table assembly (Item 19).
4. Before mounting the diamond blade, verify that the
flanges (Item 11) are free from dirt and grease.



**IMPORTANT: Make sure the blade is properly
installed. Failure to do so will result in
damage to the blade.**

5. Install the blade for counterclockwise (CCW) rotation.
Check the blade for the direction arrow.
6. With the blade properly seated (pushed against the
inner flange), install the outer flange and tighten with a
wrench. Never hand tighten!
7. To reassemble, simply reverse the steps 2 and 3
above.

4 OPERATING PROCEDURE

1. Fill the tank with clean water through the hole in the
cutting table. Check the water level through the
overflow hole in the tank side.
2. During the operation, set the blade guard as close to
the material as possible in order to avoid water
splash.
3. Plug the power cord into the proper current outlet
using as short of a cord as needed to avoid
unnecessary voltage drop. No. 16 gauge or larger is
recommended.



**WARNING: Keep the water clean and make
certain the water level is up to the overflow
hole.**

NOTE: Follow the blade manufacturer's recommendations for dry or wet cutting. Only blades specifically designed for dry cutting can be run without coolant. Wet cutting blades can be damaged or destroyed without sufficient water.

5 MAKING STRAIGHT CUTS

1. Loosen the knobs (item 26) and position the rip guide (item 25) at the distance required. Use the scale on the front. Retighten the knobs.
2. Position the tile and push it into the cutting blade while holding it firmly against the guide in order to ensure a good, clean cut.
3. Pass the material slowly under the splash guard into the blade, without overly forcing it. This will enhance the diamond blade lifetime and prevent overheating the motor. Lighten the cutting pressure when approaching the end of the cut in order to prevent the tile from splitting.
4. The new blade needs a chance to "break-in" or "wear-in" slightly for best cutting. This may take several cuts. If the blade closes up or "glazes over", it can be opened back up with a conditioning stone.

6 MAKING BEVEL CUTS

1. Use the same procedure as for straight cuts, except position the rip guide about 5/8" back from the blade.

7 MAINTENANCE PROCEDURES

1. Unplug the tile saw before performing any maintenance.
2. Keep the table top clean and free of cuttings. Flush with water.
3. Drain, clean and refill the tank frequently. flush with plenty of water, then drain and refill the tank with clean water.
4. It is necessary to clean the machine after each day's use. Clean out the tank and drain the water.
5. Store your machine in a dry place.

8 THERMAL PROTECTOR - MANUAL RESET OPERATION

The motor has a manual reset thermal protector (Item 37). If the motor overheats, the red button "pops out" to open the motor circuit. If this occurs, turn the motor "ON-OFF" switch to "OFF" and after the motor cools, push in the red button. When the button stays in, the motor can be restarted.

9 REPAIRS

We carry out all repairs in the shortest possible time and at the most economical prices. (See front page for address and phone numbers) Contact your authorized Felker® dealer concerning maintenance and repairs.

10 SPARE PARTS

For quick supply of spare parts and to avoid any lost time, it is essential to quote the data on the manufacturers plate fixed to the machine and the part number(s) and description to be replaced with every order.

The instructions for use and spare parts found in this document are for information only and are not binding. As part of our product quality improvement policy, we reserve the right to make any and all technical modifications without prior notice.