

TABLE SAW 2000W-250MM
POWX07595

1 APPLICATION

The device is designed to cleave and-cross-cut solid wood, laminated wood, chipboard, wood core plywood and similar wooden materials. Round pieces may not be sawed as the rotating saw blade may cause them to roll. Only those materials may be processed for which the particular saw blade is designed. Only saw blades suitable for the unit (carbide and chrome vanadium blades) may be used. The use of high-speed steel blades and cutting wheels of any type is not permitted. The unit may not be used in areas where there is an explosion hazard. Not suitable for professional use.

WARNING! For your own safety, read this manual and the general safety instructions carefully before using the appliance. Your power tool should only be given to other users together with these instructions.

2 DESCRIPTION (FIG. A)

1. On switch I (green)/ Off switch 0 (red)/ emergency stop
2. Saw blade height and tilt angle adjustment (crank)
3. Locking knob of the saw blade (rotary knob)
4. Cut angle indicator
5. Extraction hose
6. Table extension
7. Saw blade guard
8. Cleaving wedge
9. Bracket
10. Locking lever for parallel stop
11. Mitre angle stop
12. Parallel stop
13. Base frame
14. Push stick
15. Open-ended spanner
16. Tilt protection
17. Rubber feet
18. Overload protection
19. Measuring scale

3 PACKAGE CONTENT LIST

- Remove all packaging.
- Remove remaining packing and packing inserts (if included).
- Check that the package contents are complete.
- Check the appliance, the power cord, the power plug and all accessories for transportation damage.
- Keep the packaging until expiration of the warranty period. Then take it to your local waste disposal system.

WARNING: Packaging materials are not toys! Children must not play with plastic bags! There is a danger of suffocation!

Table saw 2000W
Saw blade mounted
Blade guard
3 saw bench extenders
8 brackets
Parallel fence
Angle fence
Push-stick
2 spanners for blade change
Bag with small parts
Vacuum hose
Hose nozzle
2 tilt protection devices
4 supporting legs
Operating Instructions
Hex key

If any parts are missing or damaged, please contact your dealer.

4 DDITIONAL SAFETY INSTRUCTIONS

4.1 Guard related warnings

- Keep guards in place. Guards must be in working order and be properly mounted.
- Always use saw blade guard, riving knife for every through–cutting operation.
- Immediately reattach the guarding system after completing an operation (such as resawing cuts) which requires removal of the guard, riving knife.
- Make sure the saw blade is not contacting the guard, riving knife or the workpiece before the switch is turned on.
- Adjust the riving knife as described in this instruction manual.
- For the riving knife to work, they must be engaged in the workpiece.
- Use the appropriate saw blade for the riving knife.

4.2 Cutting procedures warnings

Never place your fingers or hands in the vicinity or in line with the saw blade.

- Feed the workpiece into the saw blade or cutter only against the direction of rotation.
- Never use the mitre gauge to feed the workpiece when ripping and do not use the rip fence as a length stop when cross cutting with the mitre gauge.
- When ripping, always apply the workpiece feeding force between the fence and the saw blade. Use a push stick when the distance between the fence and the saw blade is less than 150 mm, and use a push block when this distance is less than 50 mm.
- Use only the push stick provided by the manufacturer or constructed in accordance with the instructions.
- Never use a damaged or cut push stick.
- Do not perform any operation “freehand”. Always use either the rip fence or the mitre gauge to position and guide the workpiece.
- Never reach around or over a rotating saw blade.
- Provide auxiliary workpiece support to the rear and/or sides of the saw table for long and/or wide workpieces to keep them level.
- Feed workpiece at an even pace. Do not bend or twist the workpiece. If jamming occurs, turn the tool off immediately, unplug the tool then clear the jam.
- Do not remove pieces of cut-off material while the saw is running.
- Use an auxiliary fence in contact with the table top when ripping workpieces less than 2 mm thick..

4.3 Kickback causes and related warnings

Kickback is a sudden reaction of the workpiece due to a pinched, jammed saw blade or misaligned line of cut in the workpiece with respect to the saw blade or when a part of the workpiece binds between the saw blade and the rip fence or other fixed object.
Most frequently during kickback, the workpiece is lifted from the table by the rear portion of the saw blade and is propelled towards the operator.
Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- Never stand directly in line with the saw blade. Always position your body on the same side of the saw blade as the fence.
- Never reach over or in back of the saw blade to pull or to support the workpiece.
- Never hold and press the workpiece that is being cut off against the rotating saw blade..
- Align the fence to be parallel with the saw blade..
- Use a featherboard to guide the workpiece against the table and fence when making non-through cuts such as resawing cuts.

- Use extra caution when making a cut into blind areas of assembled workpieces.
- Support large panels to minimise the risk of saw blade pinching and kickback..
- Use extra caution when cutting a workpiece that is twisted, knotted, warped or does not have a straight edge to guide it with a mitre gauge or along the fence.
- Never cut more than one workpiece, stacked vertically or horizontally.
- When restarting the saw with the saw blade in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged in the material..
- Keep saw blades clean, sharp, and with sufficient set. Never use warped saw blades or saw blades with cracked or broken teeth.

4.4 Table saw operating procedure warnings

- Turn off the table saw and disconnect the power cord when removing the table insert, changing the saw blade or making adjustments to the riving knife or saw blade guard, and when the machine is left unattended.
- Never leave the table saw running unattended. Turn it off and don't leave the tool until it comes to a complete stop.
- Locate the table saw in a well-lit and level area where you can maintain good footing and balance. It should be installed in an area that provides enough room to easily handle the size of your workpiece.
- Frequently clean and remove sawdust from under the saw table and/or the dust collection device.
- The table saw must be secured.
- Remove tools, wood scraps, etc. from the table before the table saw is turned on.
- Always use saw blades with correct size and shape (diamond versus round) of arbour holes.
- Never use damaged or incorrect saw blade mounting means such as flanges, saw blade washers, bolts or nuts.
- Never stand on the table saw, do not use it as a stepping stool.
- Make sure that the saw blade is installed to rotate in the proper direction. Do not use grinding wheels, wire brushes, or abrasive wheels on a table saw.

5 SAFETY EQUIPMENT

5.1 Cleaving wedge

The cleaving wedge (8) prevents a workpiece being caught by the ascending teeth and being thrown against the operator. The cleaving wedge must remain in place during operation.

5.2 Saw blade protector

The saw blade guard (7) protects the user from accidentally touching the saw blade and from flying splinters. The saw blade protector must always remain in place during operation.

5.3 Push stick

The push stick (14) serves as an extension of the hand and protects the user from accidentally touching the saw blade. The push stick must always be used when the gap between the stop and the saw blade is less than 120 mm.

6 UNPACKING AND ASSEMBLY

Unpack the unit and make sure all of the pieces are there.
Lower the saw blade underneath the table surface (see 8.4 Setting cutting height)
Turn the saw table up-side down

Note: If any of the parts is missing or damaged contact the retailer.

Assembly parts packed in carton box under machine motor!!!

6.1 Assembly (Fig. 1)

First attach left, right and rear table extensions to the table saw (without the brackets)
Mount the base frame and attach it to the table saw
The base frame (13) consists of four table legs with cross braces that must be mounted.
Required tools:
2 combination spanners

- Attach the four table legs (19) to the corners of the saw table. Note that the legs on the rear must be mounted so that the holes for the assembly of the tilt protection devices face the rear of the machine.
- Mount the cross braces A on the front and rear between legs (13).
- Mount the cross braces A on the sides between legs (13).

Do this by attaching each cross brace on the inside to each table leg with two screws, washers and locking nuts.

- Push the rubber feet (17) onto the supporting legs.
- Finally, fit the four brackets (21) with the table extension and the table legs.

The brackets (21) are fitted through the screw holes in the housing.

Note: Only place the device on a level, skid-proof surface. The device must not wobble.

6.2 Attaching the tilt protection (Fig. 2)

- Bolt the tilt protection to the rear supporting legs using bolts (A), washers, spring washers and nuts.

6.3 Fitting the parallel fence (Fig. 3)

Insert the parallel fence (12) into the rail of the measuring scale. Check the setting at the window. Push the locking lever (10) downwards to lock the parallel fence (12) into place. In order to obtain a perfectly parallel cut, you should check the gap between the fence and the saw blade at two positions using a meter rule.

6.4 Mounting mitre angle stop (Fig. 4)

The mitre angle stop (11) consists of two parts - the stop plate (A) and the angle adjustment (B) that must be assembled together.

- Insert the stop plate (A) into the gaps of the angle adjustment (B) with both adjusting screws (C), push into the required position and tighten the adjusting screws.

Push the gliding bar (D) of the mitre angle stop into the required bar of the table surface.

Right-handed operators prefer to push the mitre angle stop into the left bar of the table surface.

6.5 Mounting the saw blade guard (Fig. 5)

Risk of injury! The saw blade must be at least set to 30mm height.

- First, mount the crank (2).
- Put the blade in the highest position.
- Position the saw blade protection on the cleaving wedge (8) so that bolt (22) engages in the hole. Push and at the same time tighten the bolt..

6.6 Mounting the extraction hose (Fig. 6)

- Place the vacuum hose (5) on the connecting piece of the saw blade guard (7).
- Put the vacuum hose (5) on the vacuum connecting piece (23) on the rear of the device

7 OPERATION

Risk of injury! In the event of a functional fault, immediately press the red button 0 on the On / Off switch and unplug.

7.1 Check before starting the device!

Risk of injury! The device may only be put into operation if there are no defects. If a part is defective danger it must be replaced before the device is used again.

Check to make sure the device is in safe operating condition:
- Check to make sure there are no visible defects.
- Check to make sure all device components are correctly mounted.
- Check to make sure the safety equipment is functioning properly.
- Check to make sure that the saw blade runs freely.
- Check whether the adjusting screw for setting the angle of tilt is tightened.

7.2 Operating elements

7.2.1 On/off switch

- Switching on: Pressing the green button I on the On / Off switch (1) switches on the saw. Before starting to saw, wait until the blade has reached maximum speed.
- Switching off: Pressing the red button 0 on the On / Off switch (1) switches off the saw.

7.2.2 Overload Protection (18)

The machine is fitted with an overload protection (18). Allow the machine to cool down for at least 30 minutes before switching it on again. For this first press the black button next to the switch, then press the green button (1) to restart the machine.

7.2.3 Setting mechanism for the tilt angle

The saw blade can be adjusted to any angle between 0° and 45°. Loosen the locking knob (3), press the lever (2) and turn to the desired tilt angle and tighten the locking knob (3).

7.2.4 Hand crank for setting the cutting height

The cutting height of the saw blade must be adjusted to the height of the workpiece. The saw blade must always be set to one blade tooth higher than the workpiece. You can set this by turning the hand crank to left or right.

Note: In order to make use of the full range of 45° settings, the cutting height must be reduced accordingly.

7.3 Workpiece stops

7.3.1 Mitre angle stop

The stop can be adjusted by a maximum of 120 mm for mitre cutting.

Risk of injury! Do not push the stop (Fig. 4 A) too far in the direction of the saw blade. The gap between the stop (Fig. 4 A) and the saw blade should be approximately 2 cm.

7.3.2 Mitre cuts (Fig. 7)

- Push the mitre angle stop (11) into the required slot of the table surface.
- Loosen adjusting screw (A), set the required angle and then tighten the adjusting screw again.
- If necessary, push the stop plate backwards or forwards. For this, loosen both adjusting screws (B), push stop plate (C) and then retighten adjusting screws (B).

7.3.3 Setting the stop rail of the parallel stop

The stop rail can be removed and repositioned after both wing nuts have been loosened:
High stop edge:

- To saw tall workpieces.

Low stop edge:

- To saw flat workpieces.
- If the saw blade is angled.

7.3.4 Parallel stop

- Loosen the locking lever (10) by turning the knob.
- Set the parallel stop to the required cutting width by pushing on the scale.
- Press down the locking lever (10).

7.4 Setting the cutting height (Fig. 8)

Risk of injury! Parts of the body or objects located in the adjustment area may be caught by the operating saw blade! Only adjust the cutting height when the saw blade is at a standstill!

- Adjust the cutting depth by turning the hand crank (A).
- Turning the hand crank counterclockwise reduces the cutting depth. Turning the hand crank clockwise Increases the cutting depth.

Note: To balance out play in the cutting height setting, always raise the saw blade from below to the required position.

The cutting depth is optimally set when the saw blade is one blade tooth higher than the wofkpiece.

7.5 Setting the saw blade angle (Fig. 8)

Risk of injury! Parts of the body or objects located in the adjustment area may be caught by the operating saw blade! Only adjust the blade angle when the saw blade is at a standstill!

- Loosen the fixing screw (3).
- Set the required angle of tilt.
- The set tilt angle can be read from the scale (4).
- Tighten the fixing screw (3).

Notes: In order to make use of the full range of 44° settings, the cutting height must be reduced accordlngry.

7.6 Sawing

Risk of injury! If the gap between the parallel stop and the saw blade is less than 120 mm, the push stick must be used.

Risk of injury! Always hold the guided workpiece, not the section of workpiece that is being cut off.

Machine damage

Check the wood to be processed carefully. Foreign objects such as nails, screws and other similar objects may seriously damage the unit

- Set the required gap of the parallel stop to the saw blade
- Set the required angle of the cross stop.
- Set the saw blade cutting height.
- Set the required tilt angle of the saw blade.
- Place the workpiece up against the cross stop.
- Switch the circular saw bench on by pressing the green button I on the On / Off switch (1).
- Push the workpiece evenly towards the back and saw in a single process. Make sure that the saw Is not overloaded.
- Use the red button 0 on the On / Off switch (1) to switch the unit off if you are not going to continue working immediately.

8 CLEANING AND MAINTENANCE

8.1 Cleaning and maintenance overview

Prior to each use

What?	**How?**
Check the saw blade to ensure it is correctly positioned and fixed in place.	Changing the saw blade
Check the saw blade protector box for wood chippings/saw dust Remove chippings if necessary.	Use compressed air to blast the chippings/dust out or use a brush.
Check that the gap between the saw blade and the cleaving wedge is set to 3 to 5 mm; correct if necessary.	Adjusting the cleaving wedge
Check the connection cable for any signs of damage	Conduct a visual inspection and have the cable replaced by an electrician if necessary.
Regularly and according to operating conditions	
What?	How?
Screw connections	Check all screw connections and tighten if necessary.
Clean the ventilation slots on the motor to remove dust	Use a vacuum or a brush to remove the chippings/dust.

8.2 Cleaning the device

Risk of electric shock! Never splash with water or expose to water. Never use detergents or solvents to clean. These may cause irreparable damage to the unit The plastic pieces may be corroded by the chemicals.

Careful treatment and regular cleaning will ensure that the unit remains functional and performs well for a long time.

- Remove dirt with a brush.
- Wipe the tool with a damp cloth.
- Keep ventilation slots clean and free of dust

8.3 Unit maintenance

Risk of injury! Before conducting any maintenance work make sure the device is unplugged (disconnect the power supply).

Risk of injury! Shortly after sawing, the saw blade may be very hot. Allow a hot blade to cool down. Never dean a hot saw blade with flammable liquids.

A still saw blade can cause injury! Use gloves to change the saw blade.

8.3.1 Fitting and changing the saw blade (Fig. 9)

Caution! Unplug from power source.

Caution! Ensure that the saw housing is well lit.

- Remove the screw (24) of the front of the table insert.
- Remove the table insert
- Use the crank and turn to the left to bring the saw blade as far up as it will go.
- Use the spanners (15) to remove the screw on the saw blade (Fig. 9) and exchange the blade with a suitable replacement. Watch the direction of operation! See the arrow on the saw blade. The teeth must point towards the on/off switch (1).

8.3.2 Adjusting the cleaving wedge (Fig. 10)

The gap between the external edge of the saw blade and the cleaving wedge (8) must be between three and five millimetres.

- Bring saw blade angle to the 0° position and tighten.
- Bring the saw blade into the upper position.
- Remove the saw blade protector.
- Remove the table surface.
- Loosen the screw (A) slightly with a suitable combination spanner until the cleaving wedge (8) is released (do not remove screw)
- Set the cleaving wedge lower or higher by pushing upward or downward in the long hole.
- Mount all dismantled parts in reverse sequence.

9 STORAGE, TRANSPORTATION

9.1 Storage

Risk of injury! Store the unit in such a way that it cannot be started by unauthorised persons. Ensure that no one is able to injury themselves on the stored unit.

Machine damage! Do not store unprotected in a damp environment.

9.2 Transportation

Note: Only lift the unit using the handles.

- Crank the saw blade down as far as it will go.
- Parts that extend beyond the saw should be removed.
- Transport the unit with the assistance of another person and use the handles.
- When dispatching, try to use the original packaging, if possible.

10 TECHNICAL DATA

Rated Voltage	220-240 V
Rated Frequency	50 Hz
Rated Power	S1:1800W S6 25% 2000W
Protection class	II
Rotation speed	5000 min-1
Diameter of saw blade (external)	250 mm
Saw blade hole (internal)	30 mm
Saw blade thickness	2.8 mm
Number of teeth	24T
Max. cutting depth at 90°	85 mm
Max. cutting depth at 45°	63 mm
Table size	563 x 583 mm
Table height (+stand)	820 mm
Dust extraction outlet	Ø 35.5mm