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Truper 16277

TRUPER SCI-10 10" Band Saw Instruction Manual

Model: SCI-10 (Part Number: 16277) | Brand: Truper

Introduction

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your TRUPER SCI-10 10" Band Saw. Designed for industrial and professional wood cutting, this band saw features a dual motor for easy voltage change, a steel base for reduced vibration, and a tilting worktable for versatile cuts. Please read this manual thoroughly before initial use.

Important Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep work area clean and well-lit. Do not operate power tools in explosive atmospheres. Keep children and bystanders away. Wear appropriate personal protective equipment, including eye protection, hearing protection, and dust masks. Disconnect power before making adjustments or changing accessories.

Setup and Assembly

1. Unpacking

Carefully remove the band saw and all components from the packaging. Inspect for any shipping damage. Retain packaging for future transport or storage.



Image: The TRUPER SCI-10 Band Saw packaged in its cardboard box, indicating how it will appear upon delivery.

2. Assembly of the Stand

Assemble the steel base (stand) according to the included hardware. Ensure all bolts are securely tightened to provide a stable foundation for the saw. The steel base is designed to reduce vibration during operation.





Image: The TRUPER SCI-10 Band Saw fully assembled on its steel stand, ready for use.

3. Power Connection

This band saw features a dual motor, allowing for easy voltage change between 120V and 220V. Ensure the saw is configured for your local power supply before plugging it in. Refer to the motor housing for voltage selection instructions. The rated power is 1/3 HP (250W).

4. Worktable Adjustment

The worktable can be tilted from 0° to 45° for angled cuts. Loosen the locking knob beneath the table, adjust to the desired angle, and then securely tighten the knob. The table dimensions are approximately 11.5" x 11.5".



Image: A close-up of the TRUPER Band Saw's worktable, demonstrating its ability to tilt up to 45 degrees for angled cuts.

5. Blade Tension

Adjust the blade tension using the knob located at the top of the saw. Proper blade tension is crucial for accurate cuts and blade longevity. Refer to the markings on the saw for recommended tension settings.

Operating Instructions

1. Power On/Off

To turn on the band saw, press the green "ON" button. To turn off, press the red "OFF" button. Always ensure the work area is clear before starting the saw.

2. Using the Side Guide and Angle Guide

For greater precision in cuts, utilize the side guide and angle guide. The side guide helps maintain straight cuts, while the angle guide (miter gauge) allows for precise angled cuts. Secure both guides firmly before cutting.



Image: The TRUPER Band Saw with its miter guide (angle guide) in place on the worktable, used for precise angled cuts.

3. Wood Cutting

The TRUPER SCI-10 is ideal for industrial and professional wood cutting. Ensure the workpiece is properly supported and

guided. Feed the material slowly and steadily into the blade. The maximum cutting height at 90° is 3 1/8" to 10" (8 to 25 cm).

4. Blade Capacity

This band saw accommodates tape capacities from 1/4" to 1/2" in width and 67 5/16" (171 cm) in length.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your band saw. Always disconnect the power supply before performing any maintenance.

1. Blade Replacement

To replace the blade, release the blade tension, open the blade guards, carefully remove the old blade, and install the new one. Ensure the teeth are pointing in the correct direction. Re-tension the blade after installation.

2. Cleaning

Regularly clean sawdust and debris from the worktable, blade guides, and inside the saw housing. A vacuum cleaner or compressed air can be used. Keep the motor vents clear to prevent overheating.

3. Lubrication

Periodically lubricate moving parts as indicated in the saw's internal diagrams (if available, otherwise general advice). Do not over-lubricate.

4. Vibration Reduction

The steel base is designed to reduce vibration. Ensure the saw is placed on a stable, level surface. Check all fasteners periodically and tighten if necessary to maintain stability and minimize vibration.

Troubleshooting

Problem	Possible Cause	Solution
Saw does not start	No power supply; incorrect voltage setting; tripped circuit breaker	Check power cord and outlet; verify voltage setting (120V/220V); reset circuit breaker
Blade wanders or cuts inaccurately	Incorrect blade tension; dull blade; worn blade guides	Adjust blade tension; replace blade; inspect and adjust/replace blade guides
Excessive vibration	Loose fasteners; unstable surface; unbalanced blade	Tighten all assembly fasteners; ensure saw is on a level, stable surface; replace blade if bent or damaged
Motor overheating	Blocked ventilation; continuous heavy use	Clear motor vents; allow motor to cool down; reduce load during operation

Specifications

Model: SCI-10

Part Number: 16277

Rated Power: 1/3 HP (250W)

Voltage: 120V / 220V (Dual Motor)

Frequency: 60Hz

Current: 3.2A / 1.7A

Motor Speed: 1,720 rpm

Feed Speed: 850 m/min

Cutting Height at 90°: 3 1/8" to 10" (8 to 25 cm)

Work Table Dimensions: 11 1/2" x 11 1/2" (approx. 29.2 cm x 29.2 cm)

Table Height: 39" (100 cm)

Table Tilt: 0° to 45°

Tape Capacity (Width): 1/4" to 1/2" (6 to 13 mm)

Tape Capacity (Length): 67 5/16" (171 cm)

Item Weight: 30 kg (approx. 66.1 lbs)

Blade Material: High Speed Steel

Color: Orange

Power Source: Corded Electric

Warranty Information

The TRUPER SCI-10 Band Saw comes with a limited warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration. Retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, parts, or service inquiries, please contact Truper customer support. Visit the official Truper website for contact details and additional resources. Always have your model number (SCI-10) and part number (16277) ready when contacting support.

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