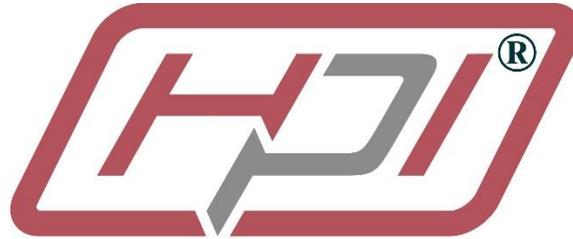


WIDDER® TOOLS



Industrial Manufacturing Solutions

18900 Marine Service Hydraulic Power Hacksaw



PRODUCT INFORMATION AND OPERATING INSTRUCTIONS:

Description: The **18900** Marine Service Hydraulic Power Hacksaw is a hydraulic powered, heavy-duty hack saw for cutting and demolition. This model is specifically designed for marine and underwater applications.

Cutting Capacity: 6-½” under blade length with standard **WIDDER®** Clamp
Underwater Marine Service Large Pipe Clamp **20263** recommended

Specifications: 1.5HP @ 5 GPM @ 1700 PSI 2-3/8” stroke
Variable Speed (0-400 Strokes/Minute)

Weight: 24 lbs.

IMPORTANT: FOR YOUR SAFETY BEFORE OPERATING THIS UNIT, READ THIS OPERATOR’S MANUAL CAREFULLY AND COMPLETELY. LEARN THE OPERATION, APPLICATIONS, AND POTENTIAL HAZARDS PARTICULAR TO THIS TOOL.

UNDERWATER USE: See underwater use maintenance at end of this manual for proper use. Failure to keep tool clean, free of salt water, and properly greased after each underwater use will result in a reduction in tool performance and tool life.

SAFETY PRECAUTIONS:

Warning: When using air tools, basic safety precautions should always be followed to reduce the risk of injury, including the following:

1. **Avoid accidental starting.**
 - Keep throttle shutoff closed when transporting or repositioning
2. **Disconnect Machine.**
 - This tool should be disconnected when not in use. If air is shutoff, tool should be discharged of any stored air pressure.
3. **Maximum Air Pressure**
 - Maximum air pressure is 135 PSI.
 - Use clean, lubricated, regulated air.
4. **Protect Airlines**
 - Avoid using excessive length airlines. Extended airlines reduce tool power and are a working hazard.
 - Inspect all airlines for safe condition before use.
5. **Maintain Tool.**
 - Use sharp blades and keep Saw clean for optimum performance.
 - Keep handles clean, dry and free from oil and grease.
 - This tool, like all air tools, will provide best performance with lubrication.
 - Use **WIDDER®** Air Tool Lube for best performance
6. **Do not force tool.**
 - Use tool pressed firmly against reaction plate.
 - Cut should be performed with adequate force to develop chips during cutting but not so as to stall the tool under load.
7. **Support work piece**
 - Be sure to support the work piece on both sides of any cut. An unsupported work piece can sag, pinching the blade and causing the blade to break or shatter.
8. **Dress properly.**
 - Do not wear loose clothing or jewelry as they can be caught in moving parts.
 - Work gloves and non-skid footwear are recommended.
 - Wear ear protection.
 - Wear safety glasses.
9. **Maintenance.**
 - Maintenance should be performed by a **WIDDER®** Factory Authorized Service Representative.
10. **Replacement Parts.**
 - When servicing, use only genuine **WIDDER®** replacement parts from an authorized distributor.

OPERATING INSTRUCTIONS:

Warning: Operator should be thoroughly familiar with safety precautions before attempting to operate this tool.

1. Install saw blade firmly with Lock plate and pin engaged with blade.
2. Optional lever bar may be installed into motor flange by removing the pipe plug in the flange, inserting lever bar and tightening- be SURE to tighten additional locknut (on bar). Pipe plug MUST be re-installed if bar is removed.
3. Be sure saw is firmly mounted on **WIDDER®** Pipe Clamp. Close needle valve.
4. Hook up hoses – be sure Input hose is to port marked “IN” – This is a fluid bypass valve and will pass fluid back to power source when tool is idle.
5. Start power source.
6. Adjust needle valve to desired speed (**needle CANNOT be adjusted while tool is running**).
7. Depress lock-out button and rotate control knob ¼ turn counter clock-wise. Control valve will detent in ON position – to turn off rotate control knob ¼ turn clock-wise
8. Manually feed blade into cut, applying enough pressure to produce chips shaped like small 6 or 9 shaped pieces. Adjust saw speed to compensate for load if required.
9. Where applicable, apply lubricant, water, or air blast to cut. This will extend blade life, speed cutting time, and keep the blade and work piece cool.
10. **CAUTION:** No steel cutting blade can cut without the chance of heat or sparks. Do not use tool in explosive environments with out following all industry accepted practices for safe power tool and metal working operation.

UNDERWATER USE: After every use underwater the following maintenance is required:

1. Rinse tool with fresh water
2. If any sign of water infiltration or severe grease loss:
 - a. Open main case, wipe dry any water drops and top off with grease.*
 - b. Open flange/gear case joint, wipe dry any water drops and top of with grease.*
 - c. Reassemble tool using silicone sealant on all metal to metal joints.

* **Use HI-TACK Marine Grease Only.** Grease should be sufficient to displace all air gaps. Air gaps will fill with water in underwater use.