

DOUBLE MITER BAND SAWS



- ### OPERATOR SAFETY RULES
1. This handbook should only be consulted according to the specifications of the saw. Read carefully and practice by reading and understanding the operation and maintenance manual before operating the machine.
 2. Keep a safe distance from all moving parts whenever the blade motor or hydraulic are running especially the blade and arm.
 3. Never separate the saw unless all guards and covers are in place.
 4. Force movable blade guide arm close to work.
 5. Never attempt to dislodge or move stock while the blade is moving. Take time to stop the saw blade, remove any electrical lines, and reset the blade.
 6. Never touch any part of the saw while setting up or operating the saw. Safety glasses should be worn at all times.
 7. The saw uses long hair, loose clothing, gloves or jewelry while setting up or operating the saw. Safety glasses should be worn at all times.
 8. Keep the saw clear in a safe position and maintain proper adjustment of blade tension, blade guides and blade bearings.
 9. Never load stock into the machine while the blade is running.
 10. Work piece should be held firmly against the table. Provide mechanical support where long or heavy stock overhangs the machine. When there is potential for stock falling off the machine, provide adequate safety guards.
 11. Always disconnect and lock out the power supply when performing any maintenance on the machine. Power back on and repair should only be attempted by a qualified technician.

HYDMECH

DM-10 DM-12/15



QUICK RELEASE CAST-IRON VISE

Easily positioned to either left or right side of the head. The vise is operated by means of a rotary handle and also features a “quick and easy” adjustment lever for opening and closing the vise for various sizes and shapes of material to be cut.

REPLACEABLE BLADE BRUSH

Driven off the blade drive wheel the blade brush keeps the blade gullets clean, helping to maximize blade performance and life.

ROTATING TABLE WITH CUT LINE

A rotating table with single cut line allows head and blade groove to move together for smooth, accurate mitering.





These versatile saws save operator set-up time and their compact design makes the DM machines ideal for use in tight working spaces.

Cast iron head and vises are designed for rigidity, absorbing vibrations and ensuring accuracy during cutting.

STANDARD FEATURES

- Manually operated easy swing, cast saw head
- Quick release cast-iron vise with dovetail ways
- Rotating table with cut line
- Band tension indicator
- Manual gravity head feed
- Replaceable blade brush
- Small footprint
- Robust steel base
- Easy to read angle scale
- Adjustable guide arm

- Replaceable carbide guide inserts
- Mechanical blade tensioning
- Safety door interlocks
- Flood coolant
- Work stop
- Storage in saw base (DM-12/15 only)
- Direct variable frequency drive - no belts/pulleys (DM-12/15 only)

OPTIONAL FEATURES DM-10

- Mist lubrication
- Pneumatic vise with foot pedal
- Single phase (Note: limits user to high blade speed only)
- K110 5' infeed/out feed roller

OPTIONAL FEATURES DM-12/15

- Mist lubrication
- Idler conveyor



STANDARD FEATURES:

- 60° Mitering in both directions
- Heavy duty cast iron saw head
- 5.5 HP true direct blade drive - no belts/pulleys
- On-demand hydraulics save energy
- Quick release, hydraulic cast-iron vise on linear ways
- Rotating table with cut line
- Mechanical band tensioning with digital readout
- Gravity head feed
- Automatic hydraulic head lifting in semi-automatic mode
- Swing away, semi-automatic control
- Replaceable blade brush
- Robust steel base

- Easy to read angle scale
- Digital angle display
- Adjustable guide arm
- Replaceable carbide guide inserts
- Mechanical blade tensioning
- Safety door interlocks
- Flood coolant
- Laser light

OPTIONAL FEATURES

- Mist lubrication
- Work light
- Variable vise pressure
- Idler conveyors

DM-1318P

CONTROL CONSOLE - DM-1318P

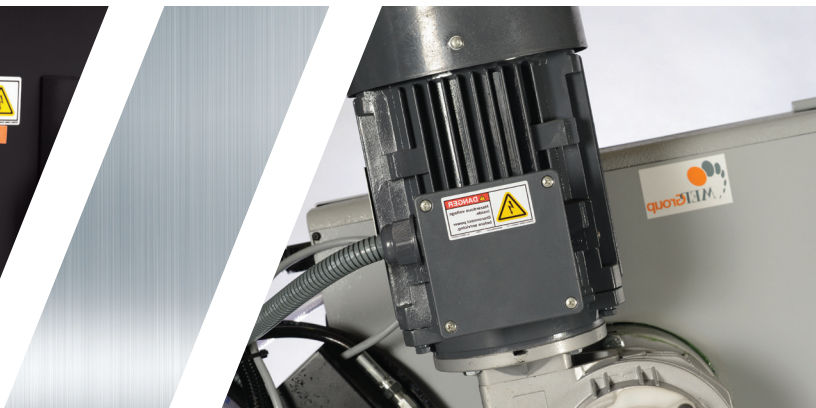
The DM-1318P is also equipped with a digital LCD display which shows machine mode, pieces cut, blade speed, blade tension, amperage draw of blade motor, cut duration, overall machine run time, head position language selection. Hydraulic head height selection using an encoder is controlled from the machine console.

OPTIONAL MIST LUBRICATION

An alternative to the standard flood coolant system, mist lubrication is an air mist system providing blade lubrication and cooling. No recovery is required as the mist dissipates.

5.5 HP TRUE DIRECT BLADE DRIVE

Heavy-duty 2-stage gearbox and motor is controlled by an AC inverter drive. Blade speed is easily adjusted with a wide range of band speeds. Less moving parts compared to belt and pulley drive machines.



Photos may show optional equipment.



SPECIFICATIONS

| | | DM-10 | DM-12/15 | DM-1318P |
|---------------------------------|-----------|-----------------------------------|------------------------------------|--|
| Rectangular Capacity (h x w) | 90° | 9 1/2" x 11" / 241 mm x 279 mm | 10 1/4" x 15" / 260 mm x 381 mm | 13" x 17 3/4" / 330 mm x 451 mm |
| | 45° left | 6 1/4" x 4 1/2" / 159 mm x 114 mm | 7 7/8" x 10 1/4" / 200 mm x 260 mm | 11 3/4" x 11 3/4" / 298 mm x 298 mm |
| | 45° right | 8 1/4" x 7" / 210 mm x 1728 mm | 7 7/8" x 11 3/7" / 200 mm x 290 mm | 11 3/4" x 11 3/4" / 298 mm x 298 mm |
| | 30° left | n/a | n/a | 7 3/4" x 7 3/4" / 197 mm x 197 mm |
| | 30° right | 5" x 4 1/2" / 127 mm x 114 mm | 7 7/8" x 11 3/5" / 200 mm x 295 mm | 7 3/4" x 7 3/4" / 197 mm x 197 mm |
| Round Capacity | 90° | 10" / 254 mm | 12" / 304 mm | 13" / 330 mm |
| | 45° left | 5 3/4" / 146 mm | 10 5/8" / 270 mm | 11 3/4" / 298 mm |
| | 45° right | 7 1/4" / 184 mm | 11 3/7" / 290 mm | 11 3/4" / 298 mm |
| | 30° left | n/a | n/a | 7 3/4" / 197 mm |
| | 30° right | 4" / 101 mm | 7 7/8" / 200 mm | 7 3/4" / 197 mm |
| Square Capacity | 90° | 9" / 228 mm | 10 1/4" / 260 mm | 13" / 330 mm |
| | 45° left | 4 1/2" / 114 mm | 9 4/9" / 240 mm | 11 3/4" / 298 mm |
| | 45° right | 7" / 178 mm | 10 1/4" / 260 mm | 11 3/4" / 298 mm |
| | 30° left | n/a | n/a | 7 3/4" / 197 mm |
| | 30° right | 5" / 127 mm | 6 3/5" / 168 mm | 7 3/4" / 197 mm |
| Blade Drive | | 2/2.5 HP VFD / 1.5/1.8 kW VFD | 3 HP VFD / 2.2 kW VFD | 5.5 HP VFD / 4 kW VFD |
| Blade Speed | | 165-325 SFM / 50-99 MPM | 49-377 SFM / 15-115 MPM | 65-330 SFM / 20-101 MPM |
| Blade Size | | 1" x 9' 8" / 25.4 mm x 2946.4 mm | 1" x 12' 4" / 25.4 mm x 3759.2 mm | 1 1/4" x 14' 10" / 31.7 mm x 4521.2 mm |
| Coolant Tank Capacity | | 3.5 Gal. / 13 ltr | 16 Gal. / 61 ltr | 21 Gal. / 79 ltr |
| Table Height | | 34" / 864 mm | 34 1/8" / 867 mm | 35" / 889 mm |
| Voltages Available | | 208, 240, 480, or 575 | 240 or 480 | 240, 480 (208, 575 n/c trans.) |
| Weight | | 970 lbs. / 440 kg | 1,740 lbs. / 789 kg | 2,515 lbs. / 1141 kg |
| Dimensions | Width | 28" / 711 mm | 48" / 1219 mm | 130" / 3302 mm |
| | Length | 65" / 1651 mm | 88" / 2235 mm | 69" / 1752 mm |
| | Height | 58" / 1473 mm | 83" / 2108 mm | 89" / 2260 mm |

In line with HYDMECH's policy of on-going product improvement, we reserve the right to modify features and specifications.



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Dealer Information:

