

DOUBLE MITER BAND SAWS

PARAMETERS
STEP 5

OPERATOR SAFETY RULES

- 1. Read and understand the safety instructions before operating the machine.
- 2. Do not operate the machine if you are tired, under the influence of alcohol or drugs, or if you are wearing jewelry or loose clothing.
- 3. Always use proper cutting technique and keep your hands and feet clear of the blade.
- 4. Do not reach into the machine to adjust or clear the blade while it is running.
- 5. Stop the machine immediately if you notice any unusual sounds or vibrations.
- 6. Do not touch the blade or the workpiece until the machine has completely stopped.
- 7. Always use the correct cutting speed and feed rate for the material being cut.
- 8. Do not cut materials that are not recommended for use with the machine.
- 9. Do not cut materials that are too large or too thick for the machine.
- 10. Do not cut materials that are too hard for the blade.
- 11. Do not cut materials that are too brittle for the blade.
- 12. Do not cut materials that are too soft for the blade.
- 13. Do not cut materials that are too thin for the blade.
- 14. Do not cut materials that are too wide for the blade.
- 15. Do not cut materials that are too long for the machine.
- 16. Do not cut materials that are too short for the machine.
- 17. Do not cut materials that are too curved for the machine.
- 18. Do not cut materials that are too irregular for the machine.
- 19. Do not cut materials that are too rough for the machine.
- 20. Do not cut materials that are too smooth for the machine.



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	15" 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	15" / 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	15" / 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 / 1.5/1.8 kW	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:

