

[View larger image](#)

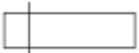


[Printer Friendly Version](#)

## Manual Swivel Head Mitering

- Model Number : **MH-460M**
- Design Style : **Single Side Swivel/Hinge Type**



### Specifications

Angle		 0°	 -45°	 -60°
Max. Capacity	Round	250 mm (10")	230 mm (9")	110 mm (4.3")
	Rectangular(H x W)	230 x 460 mm (9" x 18.1")	230 x 230 mm (9" x 9")	230 x 110 mm (9" x 4.3")
Saw Blade	Speed(60Hz)	29,46,65,98 m/min (95,150,213,321 fpm)		
	Size (LxWxT)	3505L x 27W x 0.9Tmm (138" x 1" x 0.035")		
	Tension	Manual		
Motor Output	Saw Blade	2 HP (1.5 KW)		
	Hydraulic	---		
	Coolant pump	1/8 HP (0.09 KW)		
Tank Capacity	Hydraulic	---		
	Coolant	40 L (10.4 gal)		
Work Bed Height	645 mm (25.4")			
Net Weight	550 kgs (1210 lbs)			
Gross Weight	650 kgs (1430 lbs)			
Floor Space(LxWxH)	1400 x 1900 x 1700 mm (55" x 74.8" x 66.9")			
Shipping Space(LxWxH)	1855 x 1220 x 1170 mm (73" x 48" x 46")			

### Machine Features

#### Machine Structure & Design:

- Heavy-duty hydraulic cylinder plus precision ground hinge support and guide the rugged saw frame through the entire cutting cycle. Special wear resistant DU bushing is used to ensure durability and long use life.
- *Specially designed heavy-duty cast iron swivel center* features straight and miter cuts from 0 to 60 deg (backwards) with quick

setting and precise positioning. It enables smooth turning of the saw frame for each angle viable via the large easy-to-read mitering scale.

- *Large rugged base* with built-in coolant & hydraulic systems offers both sound stability & all-in-one convenience.

### **Blade Drive:**

- A 2 hp motor, heavy-duty reducer, and variable step drive assembly with excellent mechanical design feature the essentials for production cutting.
- The 4-speed transmission is equipped with the best worm gear speed reducer. The worm shaft is hardened and ground. Together, they provide quiet, powerful, and trouble-free drive.

### **Blade Guidance & Lubrication System:**

- *Carbide blade guides with roller bearings* pre-align the blade before entering carbide blade guides. This feature reduces wear on blade guides and blade, thus enhancing blade life.
- The *rigid guide arms* are mounted on an extra wide *precision ground dovetail slide* for more solid and supportive surface. This rigid design owes to use of superior cast-iron which greatly reduces vibration and achieves better cutting result.
- Two *additional guides* located on a central axis support the blade from the top, giving it extra penetrating force. The carbide guides are relieved to allow coolant flow to lubricate and cool the blade as well as work piece.
- *Integral coolant system.*
- Blade brush to remove chips from blade gullet.

### **Control & Automation:**

- *Down feed rate & cutting pressure control.* The feed rate may be adjusted by setting the dial between 0 and 10 via the hydraulic down feed valve. The vast range of adjustment allows proper setting which results in longer blade life, shorter cutting times, and better finishes.
- The control panel is clearly arranged and conveniently located on front of the machine, eliminating the need for the operator to reach over a moving blade.

### **Material Clamping & Feeding:**

- *Cast iron vises* with replaceable extension plate
- *Secure clamping* via a dependable manual lead screw system with anti-slip hand wheel.

 Floor plan

Close 