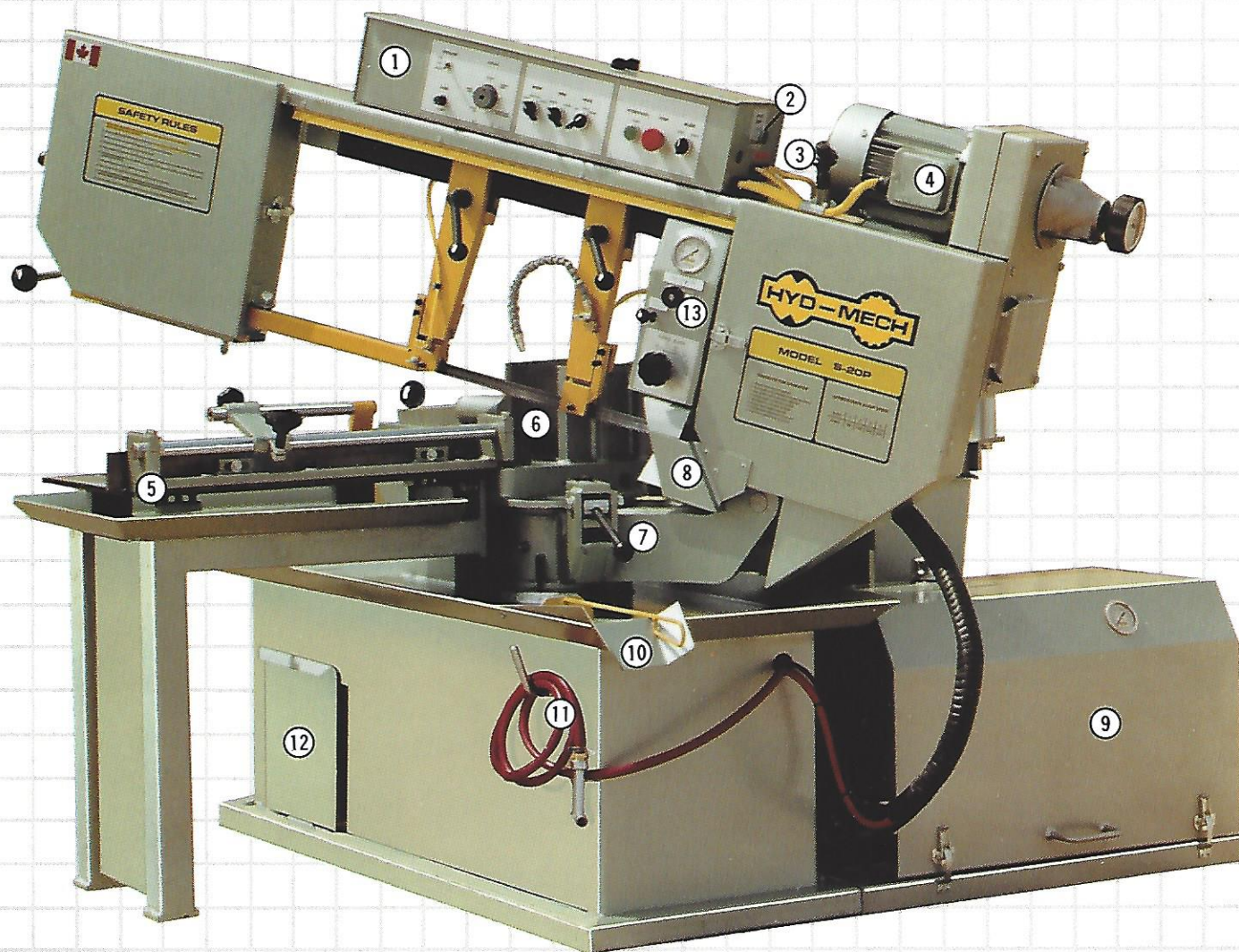


S-20P SEMI-AUTOMATIC CUT-OFF SAW



- ① All function control box.
- ② Semi-automatic cycle initiator button.
- ③ Head up limit setting knob.
- ④ 3 h.p. variable speed drive assembly.
- ⑤ The outfeed table has a coolant return tray and an indexable and calibrated length stop that provides a drop surface for cut parts and also allows the operator to set up for "one-off" situations without using a measuring tape.
- ⑥ Hydraulic vise.
- ⑦ Cam-lock "angle of cut" brake.
- ⑧ Powered blade brush.
- ⑨ Hydraulic power-pack — at back of saw.
- ⑩ Chip removal ramp with perforated bottom for coolant return.
- ⑪ Coolant washdown hose.
- ⑫ Coolant tank with submersible "Little Giant" pump.
- ⑬ Hydraulic "positive downfeed" with independent control of feed force and feed rate, complete with a fast approach.

HYD-MECH SAWS LTD.

P.O. BOX 1030 / WOODSTOCK, ONTARIO N4S 8A4 • PHONE (519) 539-6341 / FAX (519) 539-5126



SPECIFICATIONS

STANDARD FEATURES

MOTORS

Blade drive:
3 h.p.
Hydraulic drive
2 h.p.
Coolant
150 Watts

BLADE

1" x .032" x 13'6"

CAPACITY

13" high
18" wide
12" diameter @ 45°

WORK TABLE HEIGHT

30"

MACHINE WEIGHT

1730 lbs.

MACHINE DIMENSIONS

78" wide
70" long
55" high

HYDRAULIC PUMP

Pressure compensating —
constant pressure
variable flow
(6.5 GPM max.)

COOLANT RESERVOIR

6 gallons

COOLANT PUMP CAPACITY

3.5 GPM

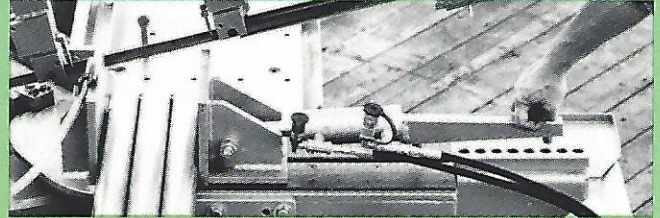
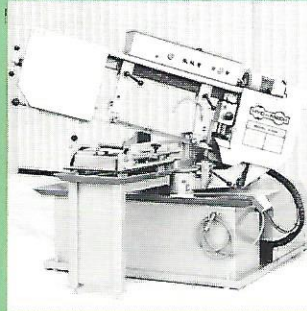
BLADE WHEEL

16" diameter

BLADE SPEED SELECTION

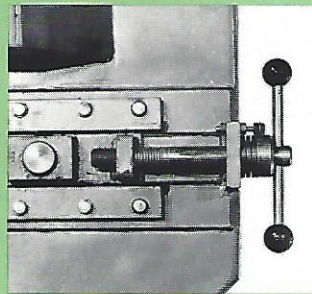
75-400 SFM infinitely
variable blade speed

The S-20P is the ideal saw for tool room or structural fabrication requirements. The controls include a pre-programmed semi-automatic cycle which enables the operator to initiate, with the push of ONE Button, the following functions: vise close, blade start, coolant start, head frame down, coolant stop, blade stop, head frame up, and finally, vise open. This semi-automatic cycle simulates the functions of an NC Machine, where the operator loads, initiates the work cycle, and unloads the machine. This system has proven to be a great time saver, especially when actual cutting times are short, compared to material handling times.

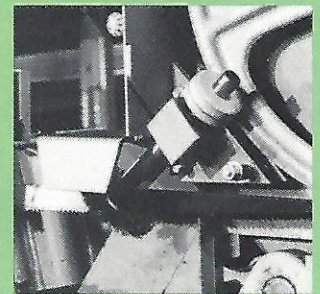


Vises are easily adjusted to accommodate stock size by sliding the open vise up against the stock and then pulling it back until the pin falls into the first hole. This design results in a quick, positive, and trouble-free vising system.

Make angle cuts without cumbersome vise resetting and without swinging long stock across costly production area. Cutting angle is accurately set by large scale and pointer, and easily locked in place by depressing the cam-lock brake.



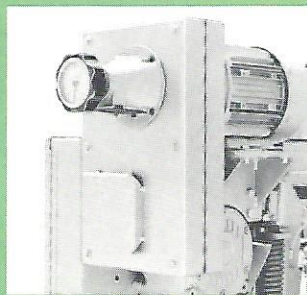
Blade tension indicator ensures correct blade tension, thereby improving blade life and cutting performance.



Powered blade brush cleans blade gullets to ensure proper blade utilization.



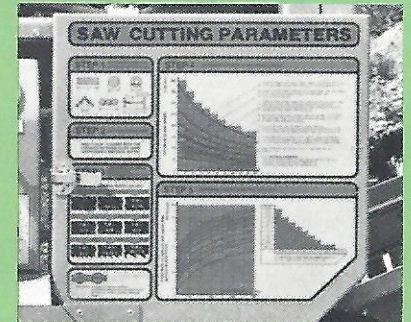
Carbide blade guides provide long life, consistent accuracy and reduced vibration.



(A) 3 h.p. Variable speed drive assembly



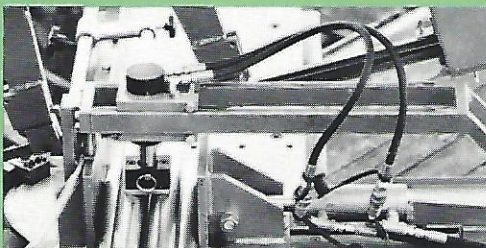
(B) Hydraulic positive downfeed



(C) Saw cutting parameters chart

As shown above the S-20P comes standard with a 3 h.p. infinitely variable speed drive with a blade speed range between 75-400 SFM & Hydraulic positive downfeed with independent control of feed force and feed rate complete with a fast approach. Also standard is a saw cutting parameters door chart that allows the operator to correctly select the proper blade pitch, blade speed, feed force limit and feed rate limit.

AVAILABLE OPTIONS



Hydraulic overhead bundling is a valuable and time saving addition which will securely hold bundles of stock. The bundling fixture can easily be removed when not in use.

HYD-MECH ALSO OFFERS A VARIETY OF ADDITIONAL OPTIONS. CONTACT YOUR LOCAL HYD-MECH DISTRIBUTOR FOR MORE INFORMATION.