

Hydraulic Hacksaw Machine



Blade Selection Chart

Material	Teeth Per Inch			Strokes/ min.	Force (kg.)	Coolant
	Below 1"	Below 2"	Above 1"			
Aluminium Alloy	10	6	4	120/130	25	Yes
Brass	10	6	4	100/120	25	Yes
Bronze	10	6	4	70/90	55	No
Cast Iron	10	6	4	70/90	55	No
Copper	14	10	6	70/90	55	No
Mild Steel Tube	14	10	6	120/130	25	Yes
Steel Channels	14	10	6	100/120	25	Yes
Steel Rails	14	10	6	100/120	25	Yes
High Tensile CI	14	10	6	70/90	55	No
HSS & Tool Steel	14	10	6	70/75	65	Yes
HCHCr, Ti Alloy	14	10	6	40	65	No



BED : The bed is of rigid casting with wide through for collection of coolant, swarf and also houses the V-Belts drive. Bed is single piece casting.

SAWFRAME : The saw Frame is of rigid construction and runs in Prismatic guide ensuring a square and parallel cut and this cut takes place on the backward (pull) stroke. The blade is hydraulically lifted out of contact with the work piece on the forward stroke to prevent wear of the blade.

THE DRIVE : The Drive is given to the machine through V-Pullys with provision to adjust fully the tension of the V-Belt. The shafts are fitted with Taper and Ball-bearings which eliminate friction.

SPEEDS : Two Speeds has been provided in order to make it suitable for all metals. High Speed for metals like mild street, brass, copper etc. and Low Speed for cast iron etc.

FEED SAW : Feed Saw is controlled hydraulically by two levers provided at the dash-pot. One controls the rate of feed. while the other enables the bow slide to be raised or lowered and the motor gets switched off on completion of the cut.

VICE : The Vice is rigid construction. The one jaw remains fixed while other can be adjusted according to the size of the material to be cut.

COOLANT : The Coolant tank is totally enclosed in the machine base with a constant speed pump which continuously supplies coolant to the Saw blade.

ELECTRICAL : Push button starter is fitted with an adjustable trip mechanism which stops the machine soon after the blade is clear from the work.

Model	M-8	M-10	M-12	M-16	M-20	M-24
Cap. of Round Bars	200	250	300	400	500	600
Cap. of Square Bar	150	200	250	325	350	425
Stroke	135	140	140	135	150	150
Strokes Per Min.(approx.)	100-120	85-100	85-100	70-85	70-85	70-85
Blade Size	14"-16"	16"-18"	18"-20"	18"-24"	24"-32"	30"-36"
Electric Motor	1 H.P.	2 H.P.	2 H.P.	3 H.P.	5 H.P.	5 H.P.
RPM of Motor	1440	1440	1440	1440	960	960
Length	1000	1150	1250	1500	1650	1750
Width	600	625	650	675	700	725
height	800	1000	1000	1200	1300	1400
Weight(approx.)	335 Kg.	450 Kg.	550 Kg.	750 Kg.	1100 Kg.	1200 Kg.
Weight with packing	450 Kg.	550 Kg.	650 Kg.	900 Kg.	1300 Kg.	1400 Kg.
V-Belt Required	4 Pcs.	4 Pcs.	4 Pcs.	5 Pcs.	6 Pcs.	6 Pcs.