

## COLUMN DRILLING MACHINE WITH HYDRAULIC FEED UNIT

Feed control is with hydraulic feed unit with power pack, controls and fittings. The hydraulic feed rack is engaged with pinion and it is actuated by the cylinder rod. It transmits the motion to the pinion shaft and the quill will come down. Stroke control and rapid to feedrate switchover and return is by limit switches.



### FEATURES :

- ▶ Rapid feed upto a set depth (setting by limit switch) and rapid return to home position after finishing drilling. Hence, cycle time is minimised.
- ▶ Fine depth adjustment by adjusting the knurled knob with fine adjustment stud.
- ▶ Variable feed by regulation of control valve.
- ▶ Depth control can be achieved within  $\pm 0.15$ mm by means of mechanical stopper which will also take care of backlash.
- ▶ Provision of dwell for spot facing and smooth finishing.
- ▶ Counterweight arrangement not required for multi heads.
- ▶ Peck feed drilling with the help of PLC system for deep hole drilling.

All Dimensions are in mm

MODEL	12 - 02	12 - 31	12 - 44
Max. drilling capacity of steel in dia (mm)	23	40	50
Spindle motor (KW)	1.3 / 1.6	3.2 / 4	3.6 / 4.5
No. of spindle speeds	8	8	8
Spindle speed range (rpm)	90, 180, 250, 355, 500, 710, 1000, 2000	56, 112, 160, 224 315, 450, 630, 1250	56, 112, 160, 224 315, 450, 630, 1250
Feed	Hydraulic	Hydraulic	Hydraulic
Feed range (mm/rev)	Variable	Variable	Variable
Taper in spindle	MT3	MT4	MT4
Quill traverse (mm)	150	150 (240-optional)	150 (240-optional)
Distance between table and spindle nose	45 - 740	25 - 900	25 - 900
No. of T-slots	3	3	3
Nett weight (kg)	1100	1450	1475

All specifications subject to change. We reserve the right to change product specifications as part of product improvement

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# PREWO®

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