



BOX COLUMN DRILLING MACHINE
BC - 540 AUTO FEED

SPECIFICATIONS

(All dimensions are in mm)

MODEL		BC 540 AUTO FEED	
Drilling capacity in steel (60 kg/mm ²)	: 50	Table	
Drilling capacity in cast iron	: 60	Table with Coolant Gutter	: 650 x 780
Tapping capacity in steel	: M 39	Working Surface	: 500 x 630
Tapping capacity in cast iron	: M 48	No. of T slots	: 3
Morse taper in spindle	: MT5	Width of T slots	: 18
Spindle traverse on vertical	: 280	Distance between T slots	: 160
Vertical adjustment of spindle head	: 280	Max. Distance between spindle & Table	: 750
Distance between spindle and upright	: 355	Base	
Number of spindle speeds	: 12	Base with Coolant Gutter	: 1150 x 630
Range of spindle speeds (rpm)	: 32-1400	Working surface	: 490 x 530
Number of power feeds	: 9	No. of 'T' Slots	: 2
Range of feeds (mm/rev)	: 0.11 - 1.73	Width of 'T' Slots	: 18
Power of main motor	: 5/7.5 HP, 720/1440 rpm 415 V,AC, 3 Ph 50 Hz	Distance between 'T' slots	: 315
		Max. distance between spindle & Base	: 1200
		Space Occupied	
Power of elevating motor	: 1 HP, 1400 rpm, 415 V,AC, 3 Ph 50 Hz	Length	: 1600
		Breadth	: 770
		Height	: 3000
		Net Weight	: 1700 Kg
		Gross Weight	: 2500 Kg

Standard Accessories

1) Built in tapping attachment 2) Coolant Pump 3) Machine Lamp 4) Hand Crank.

Optional Accessories

1) Machine Vice 2) Drill chuck with arbor 3) Quick - Change chuck 4) Reduction Sleeves.

Main Features

- ❖ This is a heavy duty machine of robust construction and designed to meet the severest demands of multi-shift operation. Within its capacity range it will do continuously any drilling, counter sinking, reaming and tapping job without putting any strain on the machine. Built of high grade alloy steel each EIFCO BC 540 Drilling machine is manufactured under strict quality control surveillance and exhaustively tested at every stage of manufacture and assembly.
- ❖ The robust and streamlined construction enables it to with-stand and absorb heavy cutting forces. Power is transmitted directly from the flange mounted vertical motor to the spindle by sliding gears of high grade alloy steel. Provision of flexible clutch between main motor and gears prevents excessive wear of the gears.
- ❖ Wide range of spindle speeds and feeds to optimise the cutting speed for various kinds of materials, diameters of holes and processes. Both automatic and hand feeds are incorporated. Single lever control of the speed and of nine feeds.
- ❖ Starting and stopping of the power feed, and accurate setting of vertical feed traverse with automatic tripping are by adjustable stop.
- ❖ Starting and stopping of spindle and the vertical adjustment of spindle head are effected by means of push button which are easily accessible in the front of the machine. The electrical reversing mechanism facilitates the automatic spindle reversal when tapping.
- ❖ The spindle is mounted in antifriction bearings and is guided in a honed bore, ensuring the maximum accuracy. Accurate and automatic tripping-off feed at the time of over load prevents the machine from possible damages. Provision of tool ejector enables convenient exchange of tools.

Note : In view of continuous development, we reserve the right to change the designs and/or dimensions without notice.



Manufactured by

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