

All Geared Lathe Machine All Geared Heavy Duty Lathe

Model No: DI-014



Technical Specifications

MODEL	DI-017A	DI-017B	DI-017C	DI-017D
Drilling capacity	ø 20mm	ø32mm	ø40mm	ø45mm
Face milling capacity	ø63mm	ø80mm	ø80mm	ø80mm
End milling capacity	ø20mm	ø20mm	ø32mm	ø32mm
Distance from spindle nose to table	439mm	440mm	440mm	440mm
Min.distance from spindle axis to column	197.5mm	272.5mm	272.5mm	272.5mm
Spindle travel	85mm	130mm	130mm	130mm
Spindle taper	M.T.3	M.T.4	M.T.4	M.T.4
Step of spindle speed	6	6	6	6
Range of (spindle speed 50Hz	95-1420 r.p.m	80-1250 r.p.m	80-1250 r.p.m	80-1250 r.p.m
Swivel angle of head stock horizontally	360°	360°	360°	360°
perpendicularly	±90°	±90°	±90°	±90°
Table size	520x160mm	800x240mm	800 x 240mm	800 x 240mm
Forward and backward travel of table	140mm	175mm	175mm	175mm
Left and right travel of table	290mm	500mm	500mm	500mm
Motor power	0.37KW	0.75KW	1.1 KW	1.5KW
Net weight	130kgs/190kgs	315kgs/365kgs	318kgs/368kgs	318kgs/368kgs
Dimension	680x750x1000mm	770x880x1160mm	770x880x1160mm	770x880x1160mm

SIZE		DI-003A	DI-003B	DI-003C	DI-003D	DI-003E	DI-003F	
Length of bed	mm	2130	2730	3030	3630	4230	4830	5430
Admit between centers	mm	900	1500	1800	2400	3000	3600	4200
Motor	HP	5	5	5	7.5	7.5	7.5	7.5
Floor space L x W	mm	3050x 1300	3650x 1300	3950x 1300	4550x 1300	5150x 1300	5750x 1300	6350x 1300
Net weight	Kg	1800	2000	2200	2600	3000	3400	3800
Gross weight	Kg	2000	2200	2400	2800	3200	3600	4000

Features

- High Tensile Casting
- Head Stock Latest Design
- Bed & Spindle are Hardened & Ground

Accessories

Standard Accessories :

- Chuck Plate
- Gear Set
- Centre Adaptor Dead Centres
- Dial Indicator
- Square Tool Post
- Electrical Fittings
- Tool Post Key

Optional Accessories :

- Steady Rest
- Follow Rest
- Face Plate
- True Chuck & Dog Chuck
- Rear Tool Post
- Quick Change Tool Post Tapper Turning Attachment
- Coolant Pump with Tank & Fittings Machine Lamp
- Key Way Milling Attachment
- Tool Post Grinder

Accessories

- Lathe bed is of grade 20 castings, duly flame hardened & ground with Brinel hardness over 300 BHN
- Head stock gears are of special alloy case hardening steel and are duly hardened and profile ground.
- Head stock spindle is ground and runs in one anti friction taper roller bearings and one needle roller bearings (32222 & N 222) in front wall of head stock and one taper roller bearing (32220) in rear side wall of head stock.
- Head stock , universal Norton gear box and apron gear box are oil bath and gears are splash lubricated.
- Universal Norton gear box provides for wide range of British and Metric threads
- Accuracy tested as per IS : 1878 (part – 1) 1971
- Lead screw , starting shafts are different.
- Control panel for on / off the machine , reverse / off / forward start handle is given along with apron gear box for easy control.

Technical Specifications

MODEL	DI-067A
Type of bed	Flat & V (Gap Bed)
Width of bed	375 mm
Height of center	330 mm
Swing over bed	630 mm
Swing over saddle	500 mm
Swing over cross slide	440 mm
Swing in gap	920 mm
Length of gap in front of face plate	220 mm
No. of spindle speed	8
Spindle speed range	20 - 835 rpm
Spindle bore	80 mm
Spindle nose	A2 Size 8
Lead screw diameter / pitch	38.1 mm/4 TPI
Tail stock spindle diameter	75 mm
Taper in tail stock quill	MT-4
Cross slide travel	330 mm
Compound slide travel	180 mm
Tool post square	150 x 150 mm
Tool shank size	32 x 32 mm