



T

180 - 215 - 250

Ininitely variable spindle speeds (Inverter)



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T / Features

Technical Specifications		180	215	250
Height of centres	mm	180	215	250
Swing over bed	mm	360	430	500
Swing over cross slide	mm	190	240	300
Distance between centres	mm	1000-1500		
Bed width	mm	290		
Spindle bore	mm	52		
Spindle nose	Camlock	6"		
Infinitely variable spindle speeds (Inverter)	rpm	N. 6 ranges from 60 up to 2000 rpm		
Main motor power	Kw	4 (5.5)	5.5 (7.5)	
Range of longitudinal feeds	mm/rev	(38) 0.05 - 1.50		
Range of transversal feeds	mm/rev	(38) 0.025 - 0.75		
Range of threads Metric	mm	(30) 0.45 - 20		
Range of threads Whitworth	T.P.I.	(35) 80 - 1 ^{3/4}		
Range of threads Module	mm	(25) 0.25 - 10		
Range of threads Diametral Pitch	DP	(30) 160 - 3 ^{1/2}		
Cross slide travel	mm	240		
Top slide travel	mm	130		
Tailstock quill diameter	mm	60		
Tailstock quill travel	mm	130		
Tailstock quill taper	Morse	4		

Weigth		180	215	250
T x 1000	Kg	2000	2100	2300
T x 1500	Kg	2300	2400	2600

T / Equipment

Standard equipment

- **Infinitely variable spindle speeds (inverter + potentiometre to increase/decrease spindle speed + rpm-counter display)**
- **Air device on the tailstock to ease the displacement along bed**
- Bed – Legs – Headstock – Tailstock – Carriages made of cast iron
- Bed guideways are induction hardened and ground
- Headstock with induction hardened and ground gears; spindle is assembled on high accuracy bearings
- Electric plant with low voltage control panel; it is placed in a suitable airtight cabinet. Make of components is Siemens and/or Schneider
- Spindle reduction sleeve
- 2 Dead centres
- **Safety protections according to EC standards:** plexiglas safety chuck guard with microswitch – turret plexiglas safety guard – **rear protection along full length of the machine** – protection of leadscrew and feed bars – emergency mushroom button
- Chip tank on wheels
- Cooling system with electro-pump
- Central lubrication of guideways with **automatic pump**
- **Steady rest and follow rest**
- Service tools and wrenches – Test certificate – Full electric diagram – Operation and maintenance book – Machine built according EC standards

Optional equipment

- Manual tool holder turret: Squared (4-way tool post) – Quick change turret – Indexing turret – Multifix turret
- 3 or 4 jaw self centering chuck
- 4-jaw independent chuck
- Live centre
- 2 or 3 axis digital readout
- 6 position longitudinal stop
- Thread chasing dial
- Work area lighting
- Cutting Surface Speed
- Taper turning attachment
- Grinding equipment
- Levelling and anchoring pads