

1. Technical of the Machine HTC40B/500



● 机床的主要技术参数: The main technical parameters of the machine

Item		Unit	Specification	Remarks
Max. swing diameter over bed		mm	600	
Max. swing diameter over saddle		mm	320	
Max. cutting length		mm	500	
Standard turning diameter of workpiece		mm	260	
Spindle nose type and code			A2-8	
Spindle bore diameter		mm	80	
Max. spindle speed		r/min	3500	
Max. power of main motor (continuous/15 minutes)		kW	11/15	
Chuck diameter		Inch	8"	
X-axis rapid speed		m/min	30	
Z-axis rapid speed		m/min	30	
X-axis travel		mm	200	
Z-axis travel		mm	550	
Tailstock travel		mm	350	
Tailstock center		Morse	5#	
Travel of tailstock sleeve		Mm	100	
Diameter of tailstock sleeve		Mm	100	
Turret Tool quantity			8 station	
Tool size	Outer annulus cutting tool	mm	25×25	
	Diameter of boring tool rod	mm	Φ40/Φ32/Φ25/Φ20	
Type of chip conveyor			Chain-plate type	
Weight of the machine	Total weight	kg	4200	
Overall dimensions of machine	L×W×H	mm	2700 ×1900×2000	Excluding chip conveyor
Total power		kVA	20	

● 机床精度标准 Machine accuracy standard

机床精度贯彻 GB/T16462-2007《数控卧式车床 精度检测》标准。The accuracy of the machine tool complies with the standard of GB/T16462-2007 "Accuracy Testing of CNC Horizontal Lathes".

检 验 项 目 Test items		Standard
加工精度 Precision		IT6
加工工件圆度 Roundness of turned workpiece		0.0025mm/Φ75
加工工件圆柱度 Cylindricity of turned workpiece		0.01mm / 150mm
加工工件平面度 Flatness of turned workpiece		0.01mm/Φ200mm
定位精度 positioning accuracy	X 轴	0.008mm
	Z 轴	0.008mm
重复定位精度 Repeatability	X 轴	0.004mm
	Z 轴	0.004mm

● 机床标准配置及主要外购件： Machine standard configuration and main purchased parts

名称 Name	规格型号 Specification & Model	Remark
数控系统 CNC system	FANUC Oi-TF	
主 电 机 Main motor	Servo LDH13-2-105-11/15	Domestic
X 轴电机 X axis motor	β iSc12/3000-B	
Z 轴电机 Z axis motor	β iSc12/3000-B	
主轴轴承 Spindle bearing	Front Ø120mm, back Ø110mm	Import
X 轴滚珠丝杠 X axis ball screw	Φ 32×12-635	Import
Z 轴滚珠丝杠 Z-axis ball screw	Φ 32×12-1042	Import
X & Z 轴丝杠轴承 X & Z axis screw bearing	25X62X15 (mm)	Import
X & Z 轴导轨 Linear Guide Way of X & Z axis	Ball type 35mm width	Import
尾座导轨 Guide way of Tailstock	HARDEN	
液压卡盘 Hydraulic chuck	8"中空 Hollow type with soft jaws	Taiwan
刀架 Tool turret	卧式 8 工位伺服刀架 Horizontal 8-station servo turret	IEEPO
尾座 Tailstock	尾座套筒程控伸缩 Programmable Powered Movement quill	

● 机床随机附件： Standard accessories

No.	附件名称 item	型号规格 model	QTY	Remark
1	地脚垫铁 Pad iron		1 set	
2	刀夹 Tool Seat	外圆刀夹 25x25mm	3 pics	
		镗孔刀夹 Φ 32mm Boring tool holder	3 pics	
		刀套 Sleeve Φ32, Φ25, Φ20mm	Each 1 pic	

● 选配附件： Optional Item

No.	Name	Price	Remark
-----	------	-------	--------

No.	Name	Price	Remark
1	Replace chip collected box to chip conveyor with trolley	+ USD1350	

CONVENTIONAL LATHE	CW6293B/5000				

Bed guide width and quenching hardness	mm	600, HRC52		
Spindle bore and nose	mm	104, A11		
Taper in spindle nose and center	mm	120, 1:20		
Steps and range of spindle speeds	rpm	18 speeds 7.5-1000		
Steps and range of longitudinal feeds	Mm/r	64 feeds 0.05-24.3		
Range 1:1	Mm/r	0.1-1.52		
Range 16:1	Mm/r	1.6-24.3		
Range of fine feed with change gears	Mm/r	0.05-0.912		
Longitudinal and cross feed rate		1/2		
Rapid speed of carriage	Mm/m in	2000/4000		
Pitch of leadscrew	mm	12(Metric); 1/2"(Inch system)		
Number, range of metric thread	mm	50 kinds thread 1-240		
Number, range of whitworth thread	TPI	26 kinds 14-1		
Number, range of module thread	mm	53 kinds 0.5-120		
Number, range of diametral thread	DP	24 kinds 28-1		
Max. cross travel of lower slide	mm	450		
Max. travel of top slide	mm	200		
Max. travel of tailstock quill	mm	250		
Diameter of tailstock quill	mm	Ø100		
Taper of tailstock quill		Morse NO.5		
Main motor power	kw	11		
Rapid motor power	kw	1.1		
Power of coolant pump motor	w	120		
Machine W×H/packing W×H	mm	1450×/1790	1450×1630	
Machine length	Max. length of workpiece	1000	mm	3160
		1500	mm	3660
		2000	Mm	4160
		3000	mm	5160
		4000	mm	6200
		5000	mm	7300

Weight of machine	Max. length of workpiece	1000	mm	4500	4000
		1500	mm	5100	4600
		2000	mm	5700	5200
		3000	mm	6300	5800
		4000	mm	6900	6400
		5000	mm	7500	7000
Max. weight of workpiece			kg	2500	

ii. Standard Accessories

7	Square spanner 17 S92-5	
8	Oil gun YQ100	

For 750mm/1500mm length machine, follow rest and steady rest are not supplied as standard accessories.

iii. Optional Accessories

Item	Remark
2 axis DRO	
Larger steady rest $\phi 160 \sim \phi 350$ mm for CW6263B	
4-jaw chuck $\phi 400$ mm	
4-jaw chuck $\phi 500$ mm	
4-jaw chuck $\phi 630$ mm	
Live center (Morse5)	
Adjustable pads	
Thread cutting dial	

Economic&Technological Development Zone, Liaoning China.

1.

NAME OF COMMODITY	MODEL :
-------------------	---------

No.	CW6263B	CW6293B	Remark
1	3-jaw chuck $\phi 315$ (A11)	3-jaw chuck $\phi 400$ (A11)	
2	Steady rest $\phi 20 \sim \phi 250$ mm	Steady rest $\phi 30 \sim \phi 420$ mm	Only For above 2 meter length lathe
3	Follow rest $\phi 20 \sim \phi 130$ mm	Follow rest $\phi 30 \sim \phi 180$ mm	Only For above 2 meter length lathe
4	Cooling device		
5	Foundation bolts GB/T799-1988 M24×400		
6	Centre 5 S25-2		

CONVENTIONAL LATHE	CA6261B/A-2000
--------------------	----------------

✓ Main Technical Specification

Item	Model	Unit	CA6261B/A-2000
Max. swing dia over bed		mm	Ø610
Max. swing dia over carriage		mm	Ø370
Max. swing dia over gap / width of gap		mm	Ø830 × 210

Max. turning length of bed		mm	2000/1900
Section of turning tools		mm	25×25
Width of bed / hardness mm			400mm / RC52
Spindle speed range		r/min	FORWARD 10 – 1400(24), REVERSE 14 – 1580(12)
Spindle bore and nose		mm	Ø80 D8
Taper of spindle nose			Ø90 (1:20)
Main motor		kW	7.5
Rapid motor		kW	0.25
Rapid travel carriage		m/min	4
Rapid travel of cross slide		m/min	2
Range of longitudinal feed		mm/r	0.028- 0.11, 0.11-1.6, 1.76 -6.4 (64 feeds)
Rang of cross feed		mm/r	0.014-0.05 0.05-0.8 0.88-3.2 (64 feeds)
Range of threads	Metric	mm	1-192 (44 kinds)
	Module	mm	0.25-48 (30 kinds)
	Whitworth	TPI	1/2-24 (28 kinds)
	Dimetral pitch	D.P	1/2-96 (38 kinds)
Pitch of longitudinal leadscrew		Mm	12
Travel of cross slide / top turret travel		mm	320 / 140
Swiveling angle of compound slide			± 90°
Tool post		position	4
Tool section		mm	25x25
Travel of tailstock sleeve		mm	150
Diameter of tailstock sleeve		mm	Ø75
Taper of tailstock sleeve ID			Morse No. 5
Coolant pump		w	90

New weight of machine	2000mm	KG	2800
Overall dimensions(L×W×H)	2000mm	mm	3670×1100×1350

✓ Standard accessories

Nut	M20
Steady rest	Ø20 - Ø125mm
Follow rest	Ø20 - Ø80mm

✓ Optional

No.	Item	Price
1	4 jaws independent chuck Ø400mm	\$250
2	2 axis DRO	\$460
3	Steady rest Ø40-Ø200mm (roller type)	\$120
4	Typar attachment	\$1250

✓ Package dimension and Weight

Item	Packing dimension (MM)	N.W./G.W. (kg)	Remark
CA6261B/A-2000	3660×1130×2200	2800/3400	

&Technological Development Zone, Liaoning China.

Name	Specification
3-jaw chuck	Φ 250 K11250/A28
Spanner of tool post	17x240
Center	II5 S 25-2
Cooling device	
Foundation bolt	M20x400