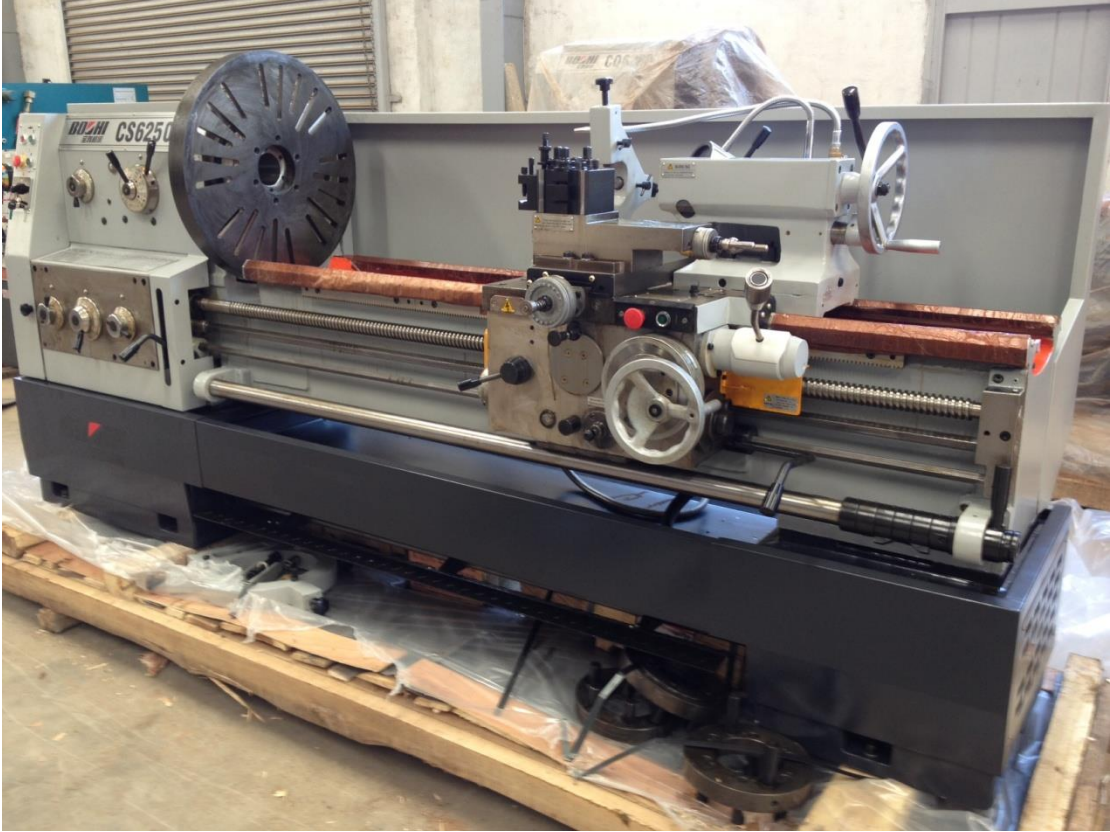


BOCHI



MACHINE SPECIFICATION

CS6140, CS6140B Series Turning machine Instructions

3 Technical data

Table 3-1 Technical data

Data Item	Model	CS6140	CS16"	CS6150	CS20"	CS6166	CS26"
		CS6140B	CS16"B	CS6150B	CS20"B	CS6166B	CS26"B
		CS6240	CS16"G	CS6250	CS20"G	CS6266	CS26"G
		CS6240B	CS16"GB	CS6250B	CS20"GB	CS6266B	CS26"GB
Max. swing over bed		Ø400(16")		Ø500(20")		Ø660(26")	
Max. swing over slide		Ø220(8")		Ø300(12")		Ø420(17")	
Max. swing over gap		Ø630(25")		Ø710(28")		Ø870(34")	
Effective length in gap		240(9")					
Max. workpiece length		750/1000/1500/2000/2500/3000(30"/40"/60"/80"/100"/120")					
Max. turning length		700/950/1450/1950/2450/2950(28"/38"/58"/75"/96"/116")					
Spindle thru-hole		Ø52(2 3/64") B series Ø82(3 15/64")					
Dia. and taper of spindle bore		MT.No.6 B series Ø90 1:20(3 35/64" 1:20)					
Spindle nose		ISO 702/III No.6 bayonet type B series ISO 702/II No 8 short cam-lock type					
Spindle speeds		24-step 9—1600r/min					
Max. output torque of spindle		1400N.m(1013 lbf.ft)				1200N.m(885 lbf.ft)	
Number and range of long. feeds							
Standard		0.063-2.52mm/r 65 sorts, (0.0023-0.0937in/r,65)					
Decreased		0.028-0.056mm/r 13 sorts, (0.0010-0.0021in/r,13)					
Increased		2.86-6.43mm/r 15 sorts, (0.1064-0.2392in/r,15)					
Number and range of cross feeds							
Standard		0.027-1.07mm/r 65 sorts, (0.0011-0.0404in/r,65)					
Decreased		0.012-0.026mm/r 13 sorts, (0.0004-0.0010in/r,13)					
Increased		1.21-2.73mm/r 15 sorts, (0.0457-0.1032in/r,15)					
Number and range of threading							
Metric threads		0.5-224 48 sorts					
Inch threads		72-1/8tpi 46 sorts					
Module threads		0.5-112 42 sorts					
D.P. threads		56-1/4DP 45 sorts					
Longitudinal rapid traverse		4.5m/min(15ft/min)50Hz		5.4m/min(18ft/min)60Hz			
Cross rapid traverse		1.9m/min(6.37ft/min)50Hz		2.3m/min(7.67ft/min)60Hz			
Pitch of leadscrew		12(2tpi)					
Height of spindle to bearing surface of tool		28(1 3/32")					
Tool section		25mm×25mm(1"×1")					
Swivel angle of fourway tool post		±90°					

CS6140, CS6140B Series Turning machine Instructions

Data Item	Model		CS6140	CS16"	CS6150	CS20"	CS6166	CS26"
			CS6140B	CS16"B	CS6150B	CS20"B	CS6166B	CS26"B
			CS6240	CS16"G	CS6250	CS20"G	CS6266	CS26"G
			CS6240B	CS16"GB	CS6250B	CS20"GB	CS6266B	CS26"GB
Max. travel of compound rest	145 (5 3/4")							
Max. travel of cross slide	320 (12 5/8")					310 (12 1/8")		
Max. permissible cutting force(Pz)	14000N(3086 lbf)					12000N(2643 lbf)		
Max. permissible feeding force(Px)	3500N (772 lbf)							
Tailstock quill diameter	75(2 61/64)"							
Taper of tailstock quill	MT No.5							
Max. travel of quill	150 (5 29/32")							
Cross move of tailstock	±15 (±19/32")							
Main motor type, power and speed	Y132M , 7.5kW(10HP) 1450r/min(50Hz), 1750r/min(60Hz)							
Rapid traverse motor type, power and speed	2AOS, 5632, 250W(0.34HP), 1360r/min(50Hz), 1750r/min(60Hz)							
Coolant pump type, power and flow	50L/min(11gal/min)							
V-belt	B2108 4 pieces		B2184 4 pieces		B2337 4 pieces			
Machine net weight								
750(30")	1975kg(4354 lb)		2052kg(4520 lb)		2150kg(4735 lb)			
1000(40")	2050kg(4520 lb)		2100kg(4630 lb)		2200kg(4845 lb)			
1500(60")	2250kg(4960 lb)		2300kg(5070 lb)		2400kg(5286 lb)			
2000(80")	2450kg(5400 lb)		2500kg(5510 lb)		2600kg(5727 lb)			
2500(100")	2650kg(5840 lb)		2700kg(5950 lb)		2800kg(6168 lb)			
3000(120")	2850kg(6280 lb)		2900kg(6390 lb)		3000kg(6610 lb)			
Machine dimensions(L×W×H)								
750(30")	2382×975×1230		2382×975×1270		2382×975×1350			
	94"×38 3/8"×48 7/16"		94"×38 3/8"×50"		94"×38 3/8"×53"			
1000(40")	2632×975×1230		2632×975×1270		2632×975×1350			
	104"×38 3/8"×48 7/16"		104"×38 3/8"×50"		104"×38 3/8"×53"			
1500(60")	3132×975×1230		3132×975×1270		3132×975×1350			
	123"×38 3/8"×48 7/16"		123"×38 3/8"×50"		123"×38 3/8"×53"			
2000(80")	3632×975×1230		3632×975×1270		3632×975×1350			
	143"×38 3/8"×48 7/16"		143"×38 3/8"×50"		143"×38 3/8"×53"			
2500(100")	4132×975×1230		4132×975×1270		4132×975×1350			
	163"×38 3/8"×48 7/16"		163"×38 3/8"×50"		163"×38 3/8"×53"			
3000(120")	4632×975×1230		4632×975×1270		4632×975×1350			
	183"×38 3/8"×48 7/16"		183"×38 3/8"×50"		183"×38 3/8"×53"			