3 Technical data

Table 3-1 Technical data

Model / Data / Item	CS6150C	CS6250C	CS6166C	CS6266C ✓
	CS20"C	CS20"GC	CS26"C	CS26"GC
Max. swing over bed	Φ500mm(20")		Φ660mm(26") √	
Max. swing over slide	Φ300(12")		Φ420mm(17") √	
Max. swing over gap		Φ710mm(28")		Φ870mm(34") √
Effective length in gap		240mm(9")		240mm(9") √
Max. workpiece length	750mm/1000mm/1500mm/2000mm/3000mm(30"/40"/60"/80"/118")			
Max. turning length	700mm/950mm/1450mm/1950mm/2950mm(28"/38"/58"/78"/116")			
Spindle thru-hole	Φ105mm(4") √			
Dia. and taper of spindle bore	Φ113 1:20 (4 1/2". 1:20) √			
Spindle nose	Cam lock type √			
Spindle speeds	12 steps 36—1600r/min			
Number and range of long. feeds	65 sorts 0.063-2.52mm/r(0.0023-0.0937in/r)			
Number and range of cross feeds	65 sorts 0.027-1.07mm/r(0.0011-0.0404in/r)			
Number and range of threading				
Metric threads	1-14mm, 22 sorts			
Inch threads	28-2 tpi 25 sorts			
Module threads	0.5-7mm, 18 sorts			
D.P. threads	56-4DP, 24 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	12mm(2tpi)			
Height of spindle to bearing surface of tool	28mm(1^3/32")			
Tool section	25mm×25mm (1"×1")			
Swivel angle of fourway tool post	±90°			
Max. travel of compound rest	145mm (5 3/4")			
Max. travel of cross slide	320 (12 1/8")		310 (12 3/32")	
Tailstock quill diameter	75 (2 61/64")			
Taper of tailstock quill	MT No.5			
Max. travel of quill	150mm (5 29/32")			
Cross move of tailstock	±15mm (±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 5634 300W(0.4HP)1360r/min 50Hz(1750r/min 60Hz)			

Item \ Model	CS6150C	CS6250C	CS6166C	CS6266C
Data	CS20"C	CS20"GC	CS26"C	CS26"GC
Coolant pump type, power and flow	AOB-25,120W(0.16HP),50L/min(11gal/min)			
V-belt	B2311 4 pieces		B2464 4 pieces	
Machine net weight				
750 (30")	2050kg (4520lb)		2150kg (4735lb)	
1000 (40")	2100kg (4630lb)		2200kg (4845lb)	
1500 (60")	2300kg (5070lb)		2400kg (5286lb)	
2000 (80")	2500kg (5510lb)		2600kg (5727lb)	
3000 (120")	2900kg (6390lb)		3000kg (6610lb)	
Machine dimensions(L×W×H)				
750 (30")	2382mm×975mm×1270mm (94"×38 3/8"×50")		2382mm×975mm×1450mm (94"×38 3/8"×55")	
1000 (40")	2632mm×975mm×1270mm (104"×38 3/8"×50")		2632mm×975mm×1450mm (104"×38 3/8"×55")	
1500 (60")	3132mm×975mm×1270mm (123"×38 3/8"×50")		3132mm×975mm×1450mm (123"×38 3/8"×55")	
2000 (80")	3632mm×975mm×1270mm (143"×38 3/8"×50")		3632mm×975mm×1450mm (143"×38 3/8"×55")	
3000 (120")	4632mm×975mm×1270mm (183"×38 3/8"×50")		4632mm×975mm×1450mm (183"×38 3/8"×55")	