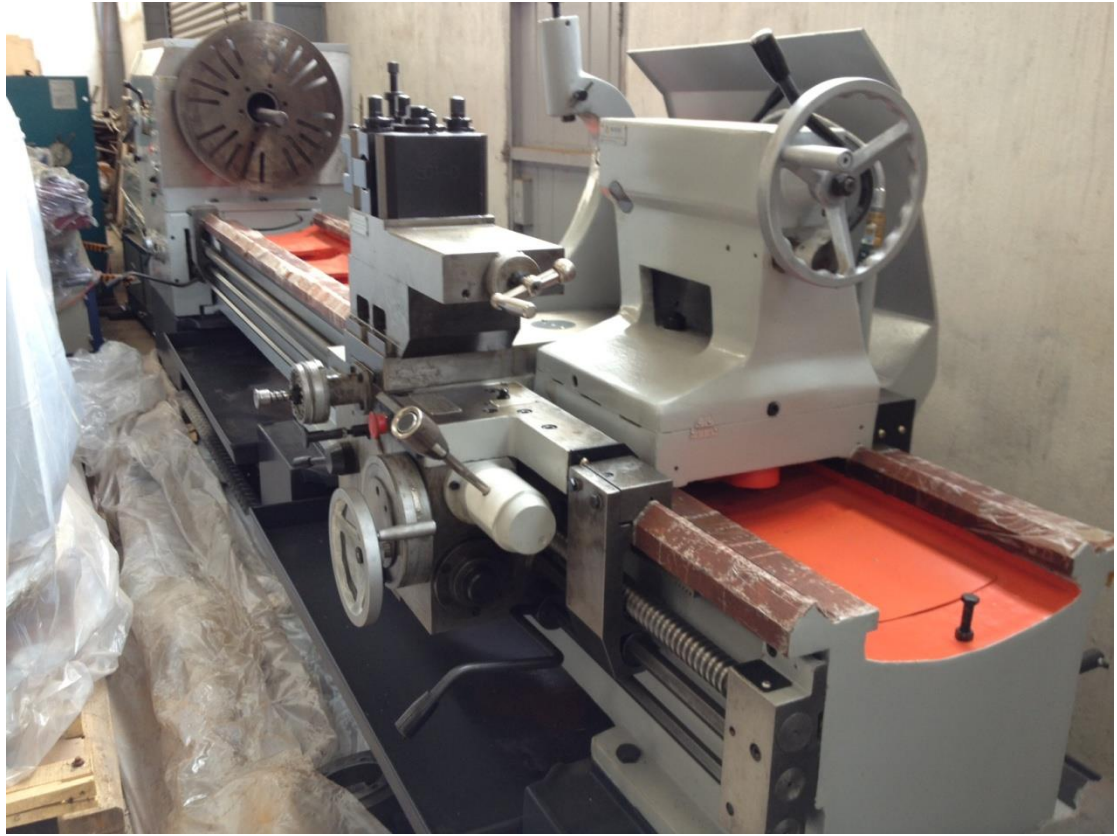


BOCHI





MACHINE SPECIFICATION

CQ680 Series Horizontal Lathe Instructions

Table2-2 Technical data of CQ6 $\frac{1}{2}$ 80C

Data Item	Model	
	CQ6180C	CQ6280C
Max. swing dia.over bed	? 800 (31.5")	
Max. swing dia.over cross slide	? 560 (22")	
Max. turning dia.	? 580 (23")	
Max. swing dia.and length in gap	? 1000×240(40"×9.5")	
Max. workpiece length	1000/1500/2000/3000(40"/60"/80"/120")	
Max. turning length	950/1450/1950/2950(38"/58"/75"/118")	
Spindle thru-hole	? 105 (4")	
Dia. and taper of spindle bore	? 113 1:20 (4 1/2" 1:20)	
Spindle nose	ISO 702/ II No.8 short cam-lock type	
Spindle speeds	12 step 30—1400r/min	
Max. output torque of spindle	1400Nm(1032 lb.ft)	
Number and range of long. feeds	65 kinds 0.063-2.52mm/r(0.0023-0.0937in/r)	
Number and range of cross feeds	65 kinds 0.027-1.07mm/r(0.0011-0.0404in/r)	
Number and range of threading		
Metric threads	1-14 22 kinds	
Inch threads	20-2 tpi 25 kinds	
Module threads	0.5-7 18 kinds	
D.P. threads	56-4 DP 24 kinds	
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	
Lead screw pitch	12 (2tpi)	
Height of spindle axis to bearing surface of tool	28 (1 1/10")	
Tool section	25mm×25mm (1"×1")	
Swivel angle of fourway tool post	±90°	
Max. travel of compound rest	145 (5 3/4")	
Max. travel of cross slide	320 (12 5/8")	
Max. permissible cutting force(Pz)	12000N (2698 lb)	
Max. permissible feeding force(Px)	3500N (787 lb)	
Tailstock quill diameter	90 (3 35/64")	
Taper of tailstock quill	Morse taper No.5	
Max. travel of quill	150 (5 29/32")	

CQ6180 Series Horizontal Lathe Instructions

Item	Model	
	CQ6180C	CQ6280C
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	AS56, LBJ, 370W(0.49HP), 1360r/min, 50Hz, 1650r/min, 60Hz	
Coolant pump flow	50L/min (11gal/min)	
V-belt	B2642 4 pieces	
Machine net weight		
1000 (40")		
1500 (60")		
2000 (80")	3150 kg (6945 lb)	
3000 (120")	3450kg (7606 lb)	
Machine dimensions(L×W×H)		
1000 (40")	2565×1340×1490 (101"×53"×59")	
1500 (60")	3065×1340×1490 (121"×53"×59")	
2000 (80")	3565×1340×1490 (141"×53"×59")	
3000 (120")	4565×1340×1490 (180"×53"×59")	