

Specification:

Item	Specification	Unit	BL-HK63B	BL-HK80B
Capacity	Guideway width	mm	560	
	Max. swing dia. over bed	mm	Φ630	Φ800
	Max. swing dia. over slide	mm	Φ360	Φ500
	Max. turning dia. (vertical 4T/horizontal 6T tool turret)	mm	Φ630/500	Φ740/610
	Center distance	mm	1000/1500/2000/3000(vertical 4T tool turret) 900/1400/1900/2900(horizontal 6T tool turret)	
Spindle	Max. workpiece weight	kg	1200(standard);1500(max.)	
	Spindle bore	mm	Φ105	
	Spindle head type	/	A1-11	
	Spindle speed	rpm	3 class gears H:112~1120 M:37~373 L:20~210	
	Spindle motor	kw	11(servo)	
	Spindle max. torque	Nm	1265	
	Chuck size	/	Φ315(manual 3-jaw chuck)	
X/Z axes	X axes travel	mm	370	390
	Z axes travel	mm	760/1310/1810/2810(vertical 4T tool turret) 660/1210/1710/2710(horizontal 6T tool turret)	
	X/Z axes motor	kw	1.4/2.5(FANUC)	
	X/Z axes rapid speed	m/min	6/7	
	X axes ball screw O.D./pitch	mm	Φ40/5	
	Z axes ball screw O.D./pitch	mm	Φ50/8(1000,1500mm);Φ63/8(2000,3000mm)	
Tool post	Tool turret type	/	Vertical 4/Horizontal 6 station	
	Tool shank size	mm	32×32,Φ32	
Tailstock	Tailstock quill dia.	mm	Φ100	
	Tailstock quill travel	mm	250(150 for hydraulic tailstock&6 station tool turret)	
	Tailstock quill taper	/	MT5#	
Accuracy	X/Z axes positioning accuracy	mm	0.026/0.032(1000),0.040(1500,2000,3000)	
	X/Z axes repeatability positioning accuracy	mm	0.007/0.009(1000),0.014(1500,2000,3000)	
	Turning workpiece roundness	mm	0.004	
	Total power	KVA	30	
Others	N.W.	kg	4600/5100/5600/6100	4800/5300/5800/6400
	Overall size(L×W×H)	mm	3550/4000/4500/5600×2000×1850	3700/4100/5000/5600×2000×2000

* The marked accuracy just follows CHINA national standard GB/T 25659.1, actual accuracy is much higher

Main parts list:

Item	Brand
Spindle bearing	CHINA top-CSC/ZWZ
Ball screw bearing	CHINA top-CSC
Ball screw	CHINA top
Lubrication pump	JAPAN-LUBE

Standard configuration:

- FANUC Oi TF CNC Controller
- Manual chuck
- 4 station tool post
- Manual tailstock

Optional configuration:

- SIEMENS 808D/GSK980TDi
- Hydraulic chuck
- 6 station tool turret
- Hydraulic tailstock
- Steady rest
- Follow rest