

Specification:

Item	Specification	Unit	BL-HL-B40	BL-HL-B50	BL-HL-B66	BL-HL-B80
Capacity	Guideway width	mm	390			
	Max. swing dia. over bed	mm	Φ400	Φ500	Φ660	Φ800
	Max. swing dia. over cross slide	mm	Φ220	Φ300	Φ420	Φ560
	Max. swing dia. over gap	mm	Φ630	Φ710	Φ870	Φ1000
	Max. effective length in gap	mm	240			
	Center distance	mm	750/1000/1500/2000/3000			
	Max. turning length	mm	700/950/1450/1950/2950			
	Max. feeding force	Nm	3500			
Spindle	Spindle bore	mm	Φ52(Opt.:Φ82,Φ105)			Φ82(Opt.:Φ105)
	Spindle hole taper	/	MT6#(Φ52mm bore),Φ90 1:20(Φ82mm bore),Φ113 1:20(Φ105mm bore)			
	Spindle nose	/	ISO 702/III NO.6(Φ52mm bore), ISO 702/II NO.8(Φ82,105mm bore)			ISO 702/III NO.6(Φ82mm bore), ISO 702/II NO.8(105mm bore)
	Spindle speed range	rpm	9~1600(24 steps,for Φ52,82mm bore), 36~1600(12steps, for Φ105mm bore)			8~1400(24 steps,for Φ82mm bore), 30~1400(12steps, for Φ105mm bore)
	Spindle max. output torque	Nm	1400	1400	1200	/
Feeding	Longitudinal rapid moving speed	m/min	50hz:4.5,60hz:5.4			
	Cross rapid moving speed	m/min	50hz:1.9,60hz:2.3			
	Longitudinal basical feeding	mm/r	0.063~2.52(65kinds)			0.028~6.43(93 kinds)(for 82mm bore); 0.063~2.52(65kinds)(for 105mm bore)
	Longitudinal reduce feeding	mm/r	0.028~0.056(13 kinds)			
	Longitudinal enlarge feeding	mm/r	2.86~6.43(15 kinds)			
	Cross basical feeding	mm/r	0.027~1.07(65 kinds)			0.012~2.73(93 kinds)(for 82mm bore); 0.027~1.07(65 kinds)(for 105mm bore)
	Cross reduce feeding	mm/r	0.012~0.026(13 kinds)			
	Cross enlarge feeding	mm/r	1.21~2.73(15 kinds)			
Tool post	Upper tool post travel	mm	145			
	Lower tool post travel	mm	320	320	310	320
	Tool qty	/	4			
	Toolshank size	mm	25×25			
	Distance from spindle center to tool support face	mm	28			
	Max rotary angle scale of square tool post	/	±90°			
Thread	Metric thread	mm	0.5~224(48kinds)(for Φ52,82mm bore),1~14(22kinds)(for Φ105mm bore)			
	Inch thread	TPI	72~1/8(46kinds)(for Φ52,82mm bore),28~2(25kinds)(for Φ105mm bore)			
	Module thread	M.P.	0.5~112(42kinds)(for Φ52,82mm bore),0.5~7(18kinds)(for Φ105mm bore)			
	Diametrical pitch thread	D.P.	56~1/4(45kinds)(for Φ52,82mm bore),56~4(24kinds)(for Φ105mm bore)			
	Travel of tailstock quill	mm	150			
Tailstock	Dia. of tailstock quill	mm	Φ75			Φ90
	Taper of tailstock quill	/	MT5#			
	Tailstock cross movement	mm	±15			
Motor	Spindle motor power/speed	/	7.5kw, 1450r/min(50Hz);1750r/min(60Hz)			
	Rapid movement motor power	/	0.3kw,1360r/min(50Hz), 1750r/min(60Hz)			
	Coolant motor power	kw	0.15			
Others	Coolant pump flow	L/min	25			
	Weight	kg	1975/2050/2250/ 2450/2850	2050/2100/2300/ 2500/2900	2150/2200/2400/ 2600/3000	3300/3700
	Machine length	mm	2380/2630/3130/3630/4630			3365/4365
	Machine width×height	mm	975×1230	975×1270	975×1350	1340×1490


MACHINERY DIVISION
