

Feature	Standard accessories	Optional accessories	Specifications 1500-3000	Specifications 4000-5000	Specifications 6000-8000
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※ SPINDLE BORE: 9", 10",12", 15", 20" only fit to swing over bed over 1120mm.

※ Swing over bed above 1220 ~ 1620 / 2000 mm is available to be customized on request.

※ Distance between centers above 8 meters is available to be customized on request.

Unit: mm / inch

Model / Width of Bed 24" (610)		HL-960 , HL-1120, HL-1220-1620				
Model		1500	2000	3000		
Capacity	Swing over bed	960 (37.8")	1120 (44")	1220 (48") ~ 1620 (63.8")		
	Swing over cross slide	650 (25.6")	810 (32")	910 (35.83") ~ 1310 (51.6")		
	Swing over gap	1390 (54.72")	1550 (61.02")	1640 (64.96") ~ 2050 (80.7")		
	Distance between centers	1500 (59")	2000 (80")	3000 (120")		
Bed	height from floor to the spindle center	HL-960	1165 (45.87")			
		HL-1120	1245 (49.02")			
	Width of Bed	610 (24")				
	Width of gap (Spindle end face)	400 (15.75") actual turning diameter changed by different chuck size				
	Length of Bed	3450 (135.83")	3950 (155.51")	4950 (194.88")		
Headstock	Spindle bore diameter	ø152 (6")	OP: 230 (9")	OP:255(10")	OP:305(12")	OP:380(15")
	Spindle nose	A2-11/ OP: A2-15	A2-15 /OP: A2-20	A2-15 /OP: A2-20	A2-20	A2-20
	Number of spindle speeds	16 steps	12 steps	12 steps	12 steps	12 steps
	Range of spindle speeds	4-420 r.p.m.	8-291 r.p.m.	8-291 r.p.m.	7-264rpm	7-264 rpm
Carriage	Width of Carriage	800 (31.5")				
	Cross slide travel	530 (20.87")				
	Compound rest travel	370 (14.57")				
	Max. size cutting size	32 x 32 (1.26" x 1.26")				
Tailstock	Diameter of barrel	HL-Ø125 (4.92") OP:Ø150 (5.91")				
	Travel of barrel	300(11.8")				
	Taper of barrel	MT 6				
Threads	Lead screw diameter and pitch	Dia.60mm Pitch 12mm / Dia 2.36"x2 T.P.I.				
	Range of metric pitches	1~120mm (62 Nos)				
	Range of inch pitches	0.25-30 T.P.I (70 Nos)				
	Range of diametrical pitches	1-120 D.P. (70 Nos)				
	Range of module pitches	0.25~30 M.P. (53 Nos)				
Feeds	Feed rod diameter	32 (1.26")				
	Range of longitudinal Feeds	0.072-8.680 mm / rev				
	Range of cross Feeds	0.036-4.34 mm / rev				
Motor	Main spindle Motor	20HP (15KW) for HF-2000~5000 30HP (22.5KW) for HL-6000~8000 OP: 30HP (22.5KW) / 40HP (30KW) / 50HP (37.5KW)				
	Coolant pump Motor (Optional)	1/8HP (0.1kw)				
	Rapid Pump Motor	1HP (0.75kw)				
Measurement	N.W. / G.W. (approx) kgs	HL-960	7500/8100	8000/8800	9000/9900	
		HL-1120	7800/8400	8300/9100	9300/10200	
	Machine size (LxWxH)	3650 / 4150 / 5150 X 2050 X 1460 (HL-960) - 1540 (HL-1120) 143.7" / 163.4" / 202.8" X 81" X 57.5" - 60.6"				
	Shipping dimensions (LxWxH)	(L) 4100 / 4600 / 5600 x (W) 2100 x (H) 2200 (L) 162" / 181" / 220" x (W) (83") x (H) 79"				
	Standard color	Upper part :RAL-7035 light gray + lower parts :RAL-5015 blue"				

\* We reserve the right to modify and improve our products without notice.