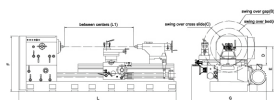


LAYOUT

HL-HK	L1	2000	3000	4000	5000	6000	8000	7000	8000
HL	L	4100	6100	8100	11000	13000	15000	18000	10100
HL	L	4740	6740	8740	11740	13740	15740	18740	10740
ITEM	A	B	C	D	E	F	G	H	I
HL	860	1360	1860	2360	2860	3360	3860	4360	4860
HL	1120	1620	2120	2620	3120	3620	4120	4620	5120
HL	860	1360	1860	2360	2860	3360	3860	4360	4860
HL	1120	1620	2120	2620	3120	3620	4120	4620	5120



SPECIFICATION

Unit: mm / inch

MODEL / WIDTH OF BED 24" (610)		HL-960		HL-1120		HL-1130-1600		
MODEL / WIDTH OF BED 32" (810)		HK-960		HK-1120		HK-1130-1600		
MODEL		3000	3000	4000	5000	6000	7000	8000
CAPACITY	Swing over bed	860 (37.8")		1120 (44")		1130 (45")~1800 (63")		
	Swing over cross slide	HL 650 (25.6")		HL 610 (24")		620 (24.4")~1260 (50.0")		
	Swing over gap	HL 1360 (54.7")		1550 (61.2")		1560 (61.7")~2000 (78.7")		
	Distance between centers	HL 2000 (80.0")		2400 (95.1")		1410 (55.5")~1880 (74.0")		
BED	Height from floor to the spindle center	HL-960 1160 (45.7")		HL-1120 1245 (49.0")		1160 (45.7")		
	Width of bed	HL-960 1120 (44.0")		HL-1120 1245 (49.0")		1160 (45.7")		
	Width of gap (Spindle end face)	HL-960 610 (24.4")		HL-1120 610 (24.4")		610 (24.4")		
	Length of bed	3500 (134")		4800 (189")		5900 (232")		6900 (272")
HEADSTOCK	Height from floor to the spindle center	HL-960 1160 (45.7")		HL-1120 1245 (49.0")		1160 (45.7")		
	Width of bed	HL-960 1120 (44.0")		HL-1120 1245 (49.0")		1160 (45.7")		
	Width of gap (Spindle end face)	HL-960 610 (24.4")		HL-1120 610 (24.4")		610 (24.4")		
	Length of bed	4300 (172.8")		5300 (212.2")		6300 (251.9")		7300 (291.3")
CARTRIDGE	Spindle bore diameter	ø150 (IP)		ø150 (IP)		ø150 (IP)		
	Spindle nose	A2-11 / OP A2-15		A2-15 / OP A2-20		A2-20		
	Number of spindle speeds	18 steps		18 steps		18 steps		
	Range of spindle speeds	4-420 r.p.m.		4-420 r.p.m.		4-420 r.p.m.		
TAILSTOCK	Width of carriage	860 (31.5")		860 (31.5")		860 (31.5")		
	Cross slide travel	860 (31.5")		860 (31.5")		860 (31.5")		
	Compound rest travel	860 (31.5")		860 (31.5")		860 (31.5")		
	Max. size cutting size	40 x 40 (1.57 x 1.57")		40 x 40 (1.57 x 1.57")		40 x 40 (1.57 x 1.57")		
THREADS	Width of carriage	860 (31.5")		860 (31.5")		860 (31.5")		
	Cross slide travel	860 (31.5")		860 (31.5")		860 (31.5")		
	Compound rest travel	860 (31.5")		860 (31.5")		860 (31.5")		
	Max. size cutting size	40 x 40 (1.57 x 1.57")		40 x 40 (1.57 x 1.57")		40 x 40 (1.57 x 1.57")		
FEEDS	Diameter of barrel	ø115 (4.53")		ø115 (4.53")		ø115 (4.53")		
	Travel of barrel	OP ø150 (5.91") / 200 (7.87")		325 (12.8")		325 (12.8")		
	Taper of barrel	MT 8		MT 7		MT 8		
	Lead screw diameter and pitch	Da 50mm Pitch 12mm / Da 2.362x2 T.P.I.		Da 50mm Pitch 12mm / Da 2.362x2 T.P.I.		Da 50mm Pitch 12mm / Da 2.362x2 T.P.I.		
MOTOR	Range of metric pitches	1~120mm (82 Nos)		1~120mm (82 Nos)		1~120mm (82 Nos)		
	Range of inch pitches	0.2530 T.P.I. (70 Nos)		0.2530 T.P.I. (70 Nos)		0.2530 T.P.I. (70 Nos)		
	Range of diametral pitches	1-120 D.P. (70 Nos)		1-120 D.P. (70 Nos)		1-120 D.P. (70 Nos)		
	Range of module pitches	0.25~3.0 M.P. (53 Nos)		0.25~3.0 M.P. (53 Nos)		0.25~3.0 M.P. (53 Nos)		
MEASUREMENT	Feed rod diameter	32 (1.26")		32 (1.26")		32 (1.26")		
	Range of longitudinal feeds	0.06~7.04 mm / rev (0.0024~0.28 in / rev)		0.06~7.04 mm / rev (0.0024~0.28 in / rev)		0.06~7.04 mm / rev (0.0024~0.28 in / rev)		
	Range of cross feeds	0.03~0.52 mm / rev (0.0012~0.14 in / rev)		0.03~0.52 mm / rev (0.0012~0.14 in / rev)		0.03~0.52 mm / rev (0.0012~0.14 in / rev)		
	Main spindle motor	20HP (15kW) for HL-2000~5000		30HP (22.5kW) for HL-6000~8000		30HP (22.5kW) for HL-9000~1600		
MACHINE SIZE	Constant pump motor	1/8HP (0.15kW)		1/8HP (0.15kW)		1/8HP (0.15kW)		
	Constant pump motor	1/8HP (0.15kW)		1/8HP (0.15kW)		1/8HP (0.15kW)		
	N.W. / G.W. (approx) kgs	HL-960 8000/8800		HL-1120 8300/9100		HL-1130-1600 8300/9100		
	Machine size (LxWxH)	HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		
SHAPE DIMENSIONS	Shaping dimensions (LxWxH)	HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		
	Shipping dimensions (LxWxH)	HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		HL 4100 / 5100 / 8100 / 7100 / 8100 / 10100 X 2050 X 1480 (HL-960) ~ 1540 (HL-1120)		
	Standard color	Upper part:RAL7035 light gray / lower parts:RAL0015 blue		Upper part:RAL7035 light gray / lower parts:RAL0015 blue		Upper part:RAL7035 light gray / lower parts:RAL0015 blue		

- We reserve the right to modify and improve our products without notice.
- Welcome to check with us for other specification and special purpose of functions, which is accepted to be customized.

ACCESSORIES



STANDARD ACCESSORIES:

- Lubricating device for headstock
- Spindle motor 20HP
- Electromagnetic brake
- Meters / inch gear box
- Longitudinal & cross rapid feeding
- Latent two steps device
- Digital readout
- X-Z axes auto lubrication system
- Back splash guard
- Steady rest ø16"
- Face plate with 4-jaw 40"
- Dead center
- Center Sleeve MT-6
- Toolpost screw wrench
- Level plate
- Tools & Tool Box
- Operation manual

Actual standard accessories shall be subject to the quotation sheet.

OPTIONAL ACCESSORIES:

- Coolant device
- Follow rest
- 4-jaw independent chuck 40" / 50"
- 3-jaw chuck (strong type) 20", 25"
- Steady rest ø16", ø24"
- Latent two steps device
- Digital readout
- Back splash guard
- Quick change tool post (instead of tool post)
- CE equipment
11. Taper turning attachment
12. Grinder
13. Hydraulic copy attachment
14. Automated rapid tool post
15. Longitudinal adjustable position feed stop
16. Five position carriage stop
17. Toolstock with quill dis. 150 / 200mm
18. Toolstock with self-rotary quill
19. Boring attachment
20. Rear tool post

Actual standard accessories shall be subject to the quotation sheet.

Agent:

YAMARIS MACHINERY PTE LTD
 No. 15 Pioneer Sector 3 Singapore 62K348
 Tel: (65) 6862 9768 Fax: (65) 6862 8917
 Email: yamaris@singnet.sg
 Website: www.yamaris.com.sg

DENVER

HEAVY DUTY LATHE

HL / HK series

Efficiency

Precision

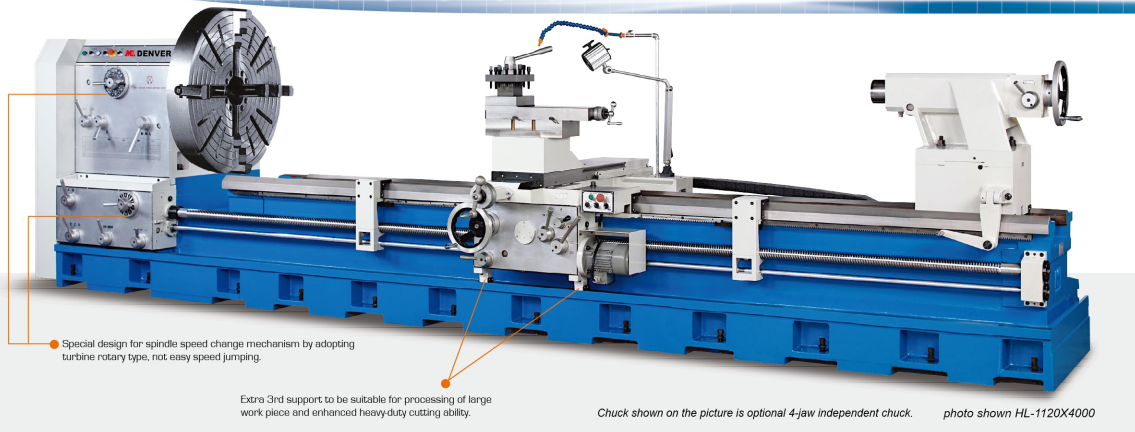
Quality



<http://www.topdenver.com>

HL / HK series 960, 1120, 1130~1600 < 38", 44", 45"~63" > X 2000, 3000, 4000, 5000, 6000, 7000, 8000 < 80", 120", 160", 200", 240", 280", 315" >

<http://www.topdenver.com>



SPINDLE BORE : 6" , 9" , 12"

BED WIDTH : 24" [HL series] / 32" [HK series]

- Swing over bed above 1130~1600 mm is available to be customized on request.
- Distance between centers above 8 meter is available to be customized on request.

FEATURES : It is suitable for turning and cutting of large work piece and steel rod materials for heavy industries like oil pipe network, aerospace and heavy-duty shaft processing.



Spindle & headstock

- Bore 6", 9", 12", turbine speed change mechanism with on easy speed jumping and three-point support for the box.
- Fitted with adjustable, electromagnetic brake for easy braking adjustment according to different work piece materials and speed.
- Gear and shaft are made of super alloy material with bearings to offer durable cutting and low production noise.
- Sealed oil bath lubrication system with enforced oil supply by mechanical pump to achieve better lubrication effects.



Electric component :

20HP/30HP motor, 2 stage safety start-up device and overloading power cut system.



Gear box :

Adopt quick-change universal metric/inch gearbox for inch, metric, DP, MP, threading and multiple threads, all function is reached without any change gear, wide and complete range of threads and operating easily to improve production efficiency.

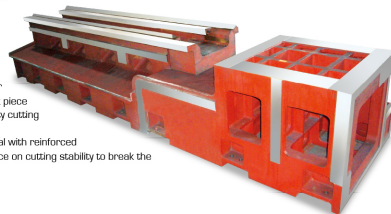


Apron :

Equipment with rapid feeding, rapid transmission, forward and reverse movement and safety device matched with sealed oil bath auto-lubricating system.

Base :

- One piece casting work with reinforced inner structure, extra 3rd support to be suitable for processing of large work piece and enhanced heavy-duty cutting ability.
- The gap part base special with reinforced structure, it is no influence on cutting stability to break the gap for necessary.



Saddle :

Anti-friction processed surface with regular oil injection, lubricated and friction endurable.

Casting :

FC-30 steel are used for main structures like base, spindle, saddle and tailstock, which are annealed and have no deformation.

Processing :

Base, spindle, saddle, dovetail slot surface of cross slide, top slide and tailstock quill are high frequency treated, precision ground for extending service life.

Tailstock :

Two stage feeding device, swing arm movement to have smooth and labor saving operation.