

MORTON®

HIGH SPEED PRECISION LATHE



車床頭 Head stock



主軸 Spindle

****FHL-1740**

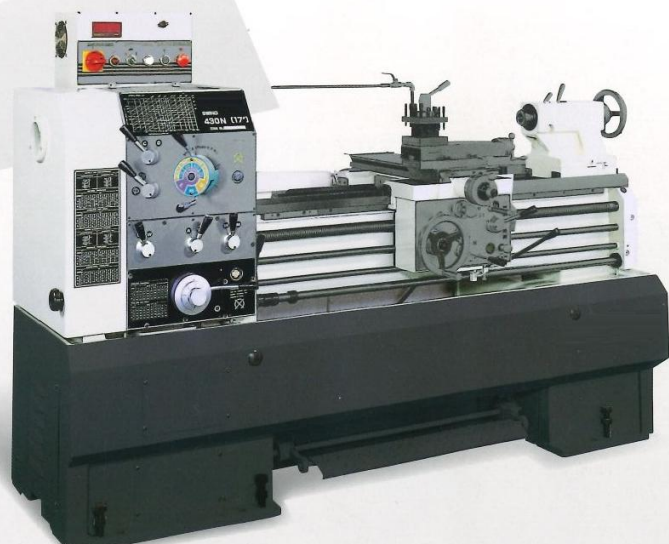
FEATURE

- ◆ 12 steps spindle speed to shorten the processing time of all size workpieces. (3 steps for variable series)
- ◆ 58mm spindle bore which allows larger mandrels to be machined.
- ◆ Stand-alone electrical box with overload protection device is easier to maintain and safety.
- ◆ No need to exchange the gear while switching the system by using this common use gearbox which also has advantages like with low noise, safety cutting protection device on gear and using cycling lubrication system.
- ◆ All the gears in headstock are carburized by heat treatment and grinded accurately in order to extend life of lathe.
- ◆ Strong tailstock with larger shaft diameter, special design center and anti-stroke device to prevent the tailstock sleeve dropping off.
- ◆ Closed-type oil immersion system which provides better lubricating results in Apron.
- ◆ Longer tool holder travel to meet the processing needs.
- ◆ Foundation bed is made by one piece molding and the bed is grinded accurately and made by high-frequency heat treatment.
- ◆ Foot emergency stop device which could also cut off the main power at the same time to ensure the safety of the operator and lathe.
- ◆ Gap could be removed accordingly to machining larger workpieces.

FHL-1740EVS/FHL-1760EVS

FEATURE

- ◆ Ground and hardened gears and bed way.
- ◆ 3 precision bearings supported spindle driven by single speed motor delivers full power at all 3 steps by INVERTER.
- ◆ Dual gear box for easy switch of inch and metric threads.
- ◆ Mechanical overload device in carriage.
- ◆ Auto spray and forced feed lube system in headstock and carriage.
- ◆ Low voltage controls for extra safety operation.



項目 ITEMS		機種 MODEL	單位 Unit	FHL-1730 (EVS)	FHL-1740 (EVS)	FHL-1760 (EVS)	FHL-1780 (EVS)	FHL-2040 (EVS)	FHL-2060 (EVS)	FHL-2080 (EVS)
機器 Lathe	中心高度 Center height	mm	215					250		
	床面旋徑 Swing over bed	mm	430					500		
	凹口旋徑 Swing over gap	mm	660					730		
	鞍面旋徑 Swing over cross slide	mm	245					280		
	兩心距離 Distance between centers	mm	750	1,000	1,500	2,000	1,000	1,500	2,000	
	床面寬度 Bed width	mm	300							
	床面長度 Bed length	mm	1,600	1,950	2,440	2,960	1,950	2,440	2,960	
主軸 Spindle	主軸孔徑 Spindle bore diameter	mm	58							
	主軸鼻端 Spindle nose		A 1-6 or D1-6							
	主軸孔內徑錐度 Spindle taper		MT#6							
	主軸轉速 Spindle speed	RPM	20~2,000 (十二段變速) / (12 steps)							
	主軸轉速* 變頻系列 Spindle speed* Variable series	RPM	高：586~2,300、中：157~586、低：20~157 (三段變速) / H：586~2,300、M：157~586、L：20~157 (3 steps)							
鞍座 Carriage	橫向行程 Cross slide travel	mm	250							
	複式刀座行程 Tool holder travel	mm	180							
	切削刀具尺寸 Cutting tool size	mm	25 x 25							
尾座 Tailstock	主軸直徑 Spindle diameter	mm	58							
	主軸行程 Spindle travel	mm	150							
	中心錐度 Center taper		MT#4							
車牙及進給 Threading & Feeding	系統 System		公制、英制、混合制 / Metric、Inch、Mixed							
	導螺桿直徑 Dia. of leadscrew	Ø	35							
	公制導螺桿牙距 (Metric) pitch of leadscrew	mm / pitch	6							
	英制導螺桿牙距 (Inch) pitch of leadscrew	TPI	4							
	公制牙範圍 Metric pitch threads	mm	0.5~7 (22kinds)							
	英制牙範圍 Inch pitch threads	TPI	4~56 (36kinds)							
	模數牙範圍 Module pitch threads	M.P.	0.5~3.5 (12kinds)							
	車牙直徑 Pitch thread diameter	D.P.	8~56 (21kinds)							
	橫向進給 Cross feeds	mm / rev.	0.05~0.70							
馬達 Motor	主馬達 Main motor	HP	5				7.5			
	變頻馬達* 變頻系列 Inverter motor* Variable series	HP	7.5				10			
	冷卻泵馬達 Coolant pump motor	HP	1/8							
	占地面積 (正面 x 深度) Floor space (Length x Width)		cm	182*110	210*110	265*110	320*110	210*110	265*110	320*110
淨重 Net weight		kgs	1,500	1,600	1,700	2,300	1,700	2,100	2,400	
底板尺寸 (長 x 寬 x 高) Pallet size (Length x Width x Height)		cm	200*103*172	227*103*172	271*103*172	331*109*173	227*119*172	273*118*200	330*118*179	

※規格若有變更，恕不另行通知。Specification is subject to change without prior notice.

選購配件 Optional Accessories

- ◆ 四爪夾頭 / 4-jaw chuck
- ◆ 大擋板 / Full length splash guard
- ◆ 活動頂針 MT#4 / Rotation center MT#4
- ◆ 花盤 / Face plate
- ◆ 驅動盤 / Drive plate
- ◆ 斜度附件 / Taper attachment
- ◆ 跟刀架 / Follow rest
- ◆ CE裝置 / CE device
- ◆ 光學尺 / DRO
- ◆ 快換刀架 / Quick change tool post
- ◆ 四位停止器 / 4-Position bed stop