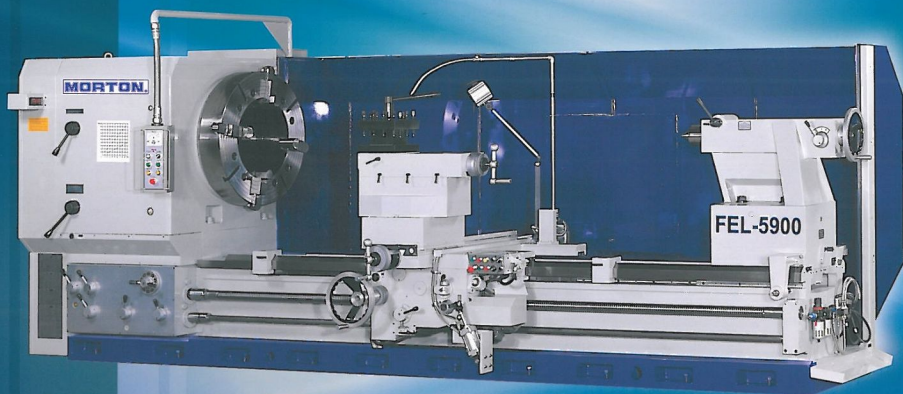


MORTON®

HEAVY DUTY PRECISION LATHE



THE LEADER IN QUALITY AND RELIABILITY
~ SINCE 1973 ~

MAIN FEATURES..

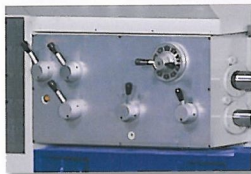
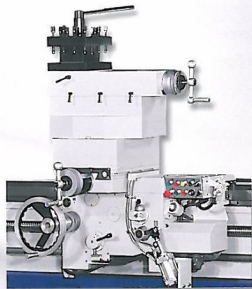
HEADSTOCK

The spindle is supported by high precision bearings suitable for both heavy and precision cutting. The speeds of spindle have 12 steps and designed on theoretical base. All gears and shafts are made of Ni-Cr-Mo steel and carbonize and ground. Control of main drive through electrom-agnetic brake, and automatic forced lubrication.



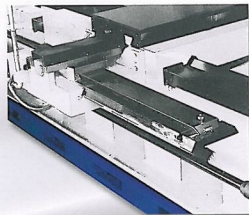
CARRIAGE & APRON

The compound rest can be fixed the cross-slide anywhere, convenient cutting work application. The apron gave automatic lubrication and locked-safe device protect threads and feeding same as operation. Rapid traverse drive for longitudinal- cross feeding and forward & reverse feed are operating very light and conv-enience.



GEAR BOX

The gear box is entirely enclosed contruction and provide a large of feedings or thread cuttings (inch, metric, module pitch and diametral pitch). Inch and Metric threading with out changing gear. Oil both lubricatio and built in safety clutch safeguard the continuous and proper operation of the universal gear box.



TAPER ATTACHMENT

The taper attachment was designed for easy operate and rapid cut taper in high accuracy, the device will produce a ± 10 angles. Electric cable in steel cover to protect wire from chips and preventing trouble with electric wires.

SPECIFICATION..

CAPACITY	FEL-5900	FEL-6500	FEL-6100	FEL-7300
Swing Over Bed	1500mm (59")	1650mm (65")	1550mm (61")	1850mm (73")
Swing Over Cross Slide	1200mm (47")	1350mm (53")	1220mm (48")	1520mm (60")
Swing over Gap	2050mm (80")	2200mm (86")	2100mm (82")	2400mm (94")
Width of Gap	508mm (20")		560mm (22")	
Distance Between Centers	3000mm(120")	4000mm(160")	5000mm(200")	6000mm(240")
			7000mm(275")	8000mm(315")
				9000mm(354")
				10000mm(395")

HEAD STOCK

Spindle Bore	153mm (6") * 230/305/up to 530mm (9"/12" to 21") (Opt)		
Spindle Nose	ASA-A2-15 / *A2-20 Special		
Taper of Spindle Center	Morse Taper no.6		Morse Taper no.7
Number of Spindle Speed	12 steps		
Range of Spindle Speeds	2.5-250 rpm		1.7-170 rpm

FEEDS & THREADS CUTTING

Leadscrew Diameter	57mm (2-1/4")	65mm (2-1/2")
Leadscrew Pitch	2 TPI / * 12mm PITCH (Opt)	
Imperial Threads Cutting	1/2-30 TPI (60 kinds)	
Metric Threads Cutting	1-60mm (52 kinds)	
Module Threads Cutting	0.25-30 M.P. (53 kinds)	
Diameter Threads Cutting	1-120mm DP (70 kinds)	
Longitudinal Feeds	0.08-5.0 mm/rv. (0.004-0.20 Inch/rev.)	
Cross Feeds	0.042-2.5 mm/rev. (0.002-0.10 Inch/rev.)	

CARRIAGE

Cross Slide Travel	750mm (30") / * 800mm (31.5") (Opt)	950mm (37.4") / * 1000mm (39.4") (Opt)
Compound Slide Travel	400mm (15")	450mm (17.7")
Rapid Travel Speed to Carriage	2000mm/min. (80"/min.)	

TAILSTOCK

Quill Diameter	145mm (5.7") / * 180mm (7") (Opt)	155mm (6.1")
Quill Travel	330mm (13")	380mm (15")
Taper of Spindle Center	M.T. NO.7	

BED

Width of Bed	850mm (33")				1016mm (40")			
Length of Bed—FEL-5900/6500	5100mm (200.7")	6100mm (240")	7100mm (279.5")	8100mm (318.8")	9100mm (358")	10100mm (397.6")	11100mm (437")	12100mm (476.3")
Length of Bed—FEL-6100/7300	5600mm (220.5")	6600mm (260")	7600mm (299.2")	8600mm (338.5")	9600mm (378")	10600mm (417.3")	11600mm (456.7")	12600mm (496")

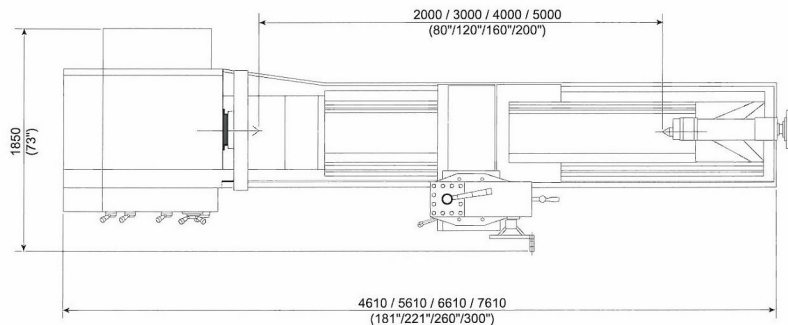
Main Spindle Motor	15 KW (20HP) / * 18.5 KW (25HP)	18.5 KW (25HP) / * 22 KW (30HP)
Rapid Travel Motor	0.75 KW (1HP)	
Coolant motor	0.375 KW (1/2HP)	

Net weight: will provide with our quotation.

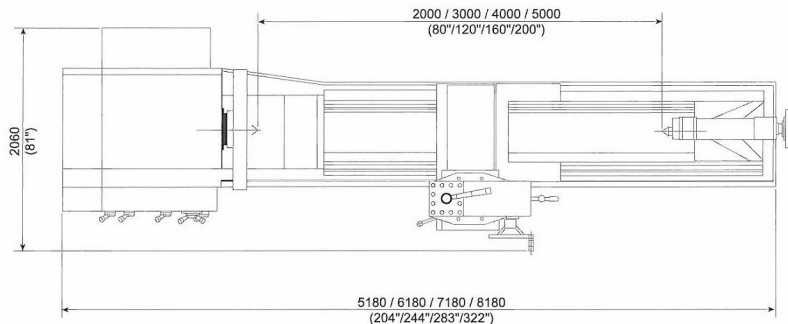
✖The descriptions, illustrations and specifications given here are subject to alteration without notice and thus without any obligation.

LATHE FOOTPRINT..

FEL-5900/6500



FEL-6100/7300



STANDARD ACCESSORIES

1. Steady rest —1 PC
2. Center —2 PCS
3. Tool Post Wrench —1 PC
4. Tool Box & Tool —1 SET

OPTIONAL ACCESSORIES

1. 3-Jaw Scroll Chuck
2. 4-Jaw Independent Chuck
3. Follow Rest
4. Taper Turning Attachment
5. Coolant Pump



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