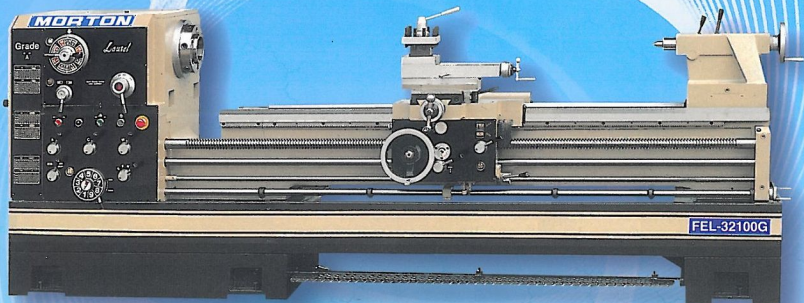


MORTON



105MM (4¹/₈") SPINDLE BORE.830MM (32") SWING 15HP MOTOR

FEATURES:

HEADSTOCK-Housing made by high tensile-stress relieved cast iron (FC30).Gears and shafts are made by high tensile steel with induction hardened.Dynamically balanced spindle made of forge steel,with induction hardened and precision internal and external ground.All gears,shafts and bearings are perfect assembled.Spindle support by 2 precision taper roller bearings and one ball bearing.

Spindle nose Cam-lock D1-11 or A2-11 meet quick-change lathe chucks system.12 steps speed from 15-1000 RPM /.Spindle bar passage 105mm (4¹/₈")-Optional 153mm (6") bore available.

BED-460mm (18¹/₈") width -made of "MEEHANITE CAST IRON" induction hardened and precision ground. Removable gap block precisely hand scraped,Bed mounted on ONE-PIECE pedestal case iron stand.

GEAR BOX-Thread cut range-Inch/2-28 TPI, metric/0.4-18mm pitch,diametrical-4-56mm DP and module-0.5-7mm MP.Lead-screw-45mm (1³/₄") dia.x 2TPI or 12mm pitch.

APRON-Integrated automatic control for longitudinal and cross feeds,forward and reverse feeds.In a snap.Forward-off-reverse spindle control provided by gated lever at apron.adjustable overload safety device on hand-wheel.

CARRIAGE & SLIDE-Meticulously scraped taper jibs fitted for the cross slide top, slide and saddle.Standard bedway wipers.Anti-float design.Backlash eliminator fitted in cross slide nut.Manual or automatic lubrication for slide ways.

TAILSTOCK- 80mm Dia. (3¹/₈"), travel 230mm (9") and knock tang,Morse taper No.5.

HEAVY DUTY PRECISION ENGINE LATHE

SPEIFICATION	INCH	FEL-2840/28200	FEL-3240/32200
SWING OVER BED	mm (in.)	730 (28)	830 (32)
SWING IN GAP	mm (in.)	1000 (40)	1100 (44)
GAP IN FRONT OF FACEPLATE	mm (in.)		
SWING OVER CROSS SLIDE	mm (in.)	500 (20)	600 (24)
DISTANCE BETWEEN CENTRE	mm (in.)	1000/1500/2000/2500/3000/4000/5000	40/60/80/100/120/160/200
MAIN SPINDLE			
TYPE OF SPINDLE NOSE		ASA A2-11/D1-11	
MAIN SPINDLE BORE	mm (in.)	105 (4) OPT 153 (6)	
TAPER OF SPINDLE SLEEVE		MT#7X#5	
SPINDLE SPEEDS		High:15-1000RPM Low:10-700 RPM	
NUMBER OF SPINDLE SPEEDS	steps	12 (H+L)	
CARRIAGE			
LENGTH ON BED	mm (in.)		
WIDTH OF BRIDGE	mm (in.)		
CROSS SLIDE TRAVEL	mm (in.)	425 (16 1/2)	
TOP SLIDE TRAVEL	mm (in.)	250 (10)	
THREADS AND FEEDS			
LEADSCREW DIAMETER/PITCH	mm (in.)	45 (1 3/4) x2TPI or 12mm PITCH	
METRIC PITCH CUTTING		0.8-14 PITCH	
WHITWORTHS THREADS CUTTING		2-28 TPI	
MODULE PITCH CUTTING		4-56 mm	
DIAMETRIC PITCH CUTTING		0.8-14 mm DP	
RANGE OF LONGITUDINAL FEED/REV	mm/rev	0.05-0.7 (0.002-0.0275)	
PANGE OF CROSS FEED/REV	mm/rev	0.025-0.35 (0.001-0.01375)	
TAILSTOCK			
QUILL DIAMETER	mm (in.)	80 (3 1/8)	
QUILL TRAVEL	mm (in.)	230 (9)	
TAPER OF CENTRE		MT#5	
BED WIDTH	mm (in.)	460 (18 1/8)	
MAIN DRIVE MOTOR		10HP	
NET WEIGHT	kgs (lbs)	3300/3600/4000/4300/4900/5500 (7273/7935/8818/9477/10800/12122)	
GROSS WEIGHT-APPROX	kgs (lbs)	3700/4000/4400/4700/5300/5900 (8155/8816/9698/10360/11681/13004)	
PACKING SIZE-LENGTH	mm (in.)	3300/3800/4300/4800/5800/6800 (130/150/170/190/200/268)	
WIDTH	mm (in.)	1170	
HEIGHT	mm (in.)	1800	

*THE DESIGN AND SPECIFICATIONS OF THE MACHINE ARE SUBJECT TO CHANGES WITHOUT FURTHER NOTICE

STANDARD ACCESSORIES

- MOTOR AND COOLANT SYSTEM
- 4 WAY TOOLPOST
- CENTERS AND CENTER SLEEVE
- THREADS INDICATOR
- SERVICE TOOLS AND TOOL BOX
- OPERATION MANUAL AND SPARE PARTS LIST
- LEVELLING BLOCKS
- TOUCH UP PAINT

SUPPLEMENTAL ACCESSORIES

- 3 JAW SCROLL CHUCK-380mm (15")
- 4 JAW INDEPENDENT CHUCK-500mm (20")
- FACEPLATE
- HALOGEN WORKING LIGHT

CE MARKS FOR EUROPEAN-EXTRA COST

- CHUCK GUARD
- LEADSCREW PROTECTION COVER
- TOOLPOST GUARD
- CE STANDARAD ELECTRICAL ELEMENTS AND ELECTRICAL PARTS

OPTIONAL ACCESSORIES-EXTRA COST

- CARBIDE TIPPED CENTER MT#5
- TAPER TURNING ATTACHMENT
- LIVE CENTERS-MT#5
- INTERCHANGEABLE INSERT LIVE CENTER MT#5
- FULL LENGTH SPLASH GUARD
- BULL NOSE LIVE CENTER MT#5
- AMERICAN TYPE-T-SLOT SINGLE TOOLPOST
- QUICK CHANGE TOOLPOST
- BACK TOOLHOLDER
- MICRO BED STOP
- TURRET TYPE BED STOP
- DRILL CHUCK WITH ARBOR
- HYDRAULIC COPY ATTACHMENT
- DIGITAL READOUT FOR 2 AXIS



FREJO TH INTERNATIONAL LTD.

8F #501, SEC.2, WU CHUAN W. RD., TAICHUNG 408, TAIWAN, R.O.C.

TEL:886-4-3816977 FAX:886-4-3813584.3813769 E-mail:frejoth@tcts.seed.net.tw