



Whitelaw

ENGINEERING MACHINERY
INCORPORATED 1965



MODEL: LA-560 GENERAL PURPOSE CENTRE LATHE

MACHINE FEATURES:

- One-piece solid cast base enhances the machine life and overall accuracy
- Bed ways hardened and ground (Bed Hardness HRC 50-55)
- Wide (400mm) 16" bed way to absorb vibration
- Heavy duty spindle hardened, ground and dynamically balanced
- Huge \varnothing 104mm spindle bore
- Spindle supported by 3-point precision bearings NTN/NSK of Japan
- Spindle roundness (tolerance) 0.01mm
- Headstock gears heat treated then hardened and ground
- Heavy duty D1-11 cam lock spindle nose
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- Rapid feed to longitudinal axis
- Two speed tailstock
- Foot operated spindle brake
- Removal gap piece to bed
- Powered longitudinal and cross feeds
- Hand wheel to the right or left
- Metric or imperial lead screw
- 2 speed (Star Delta) start
- Quality Taiwanese manufacture
- 12 months' warranty

SPECIFICATION:

Capacity:

Swing over bed:	... \varnothing 560 mm
Swing in gap:	... \varnothing 785 mm
Swing over cross slide:	... \varnothing 330 mm
Distance between centres:	...1500/2000/2500/3000/4000 mm
Width of bed:	...400 mm
Gap width in front of faceplate:	...270 mm

Headstock & Main Spindle:

Spindle nose:	...D1-11
Taper of spindle bore & centre sleeve:	...MT 7 x No 5
Spindle bore:	... \varnothing 104 mm
Speed range:	12 steps 13-1200 rpm

Carriage:

Cross slide travel:	...400 mm
Top slide travel:	...280 mm

Threads & Feeds:

Lead screw: Size /Imperial (Pitch)	... 45mm / (2TPI/6 mm)
Imperial threads: (kinds/range)	...44/1~36TPI
Metric threads: (kinds/range)	...36/0.2~14 mm
Longitudinal feeds:	...0.037~1.0 4mm

Tailstock:

Quill dia:	... \varnothing 75 mm
Quill travel:	...178 mm
Taper of centre:	...MT 5



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SPECIFICATION C'ont:

Motor:

Mail spindle: ...Teco 10HP (opt-15HP) 415v 3 Phase

Measurement and Weight:

Approx net weight: ...3250/3650/3850/4050/4850 kg

STANDARD EQUIPMENT:

- ✓ Ø 375mm 3 Jaw self-centring chuck
- ✓ Ø 400mm 4 Jaw independent chuck
- ✓ Full length splash guard
- ✓ Steady Rest 40-255mm with roller bearing support
- ✓ Follow Rest with bronze tip support
- ✓ Coolant pump
- ✓ Free-position Micro carriage stop
- ✓ LED work lamp
- ✓ Rapid Feed to longitudinal
- ✓ Levelling blocks and bolts
- ✓ Tool box & operation manuals

OH&S INCLUSIONS:

- ✓ Chuck guard with integrated micro switch
- ✓ Interlock installed to the end train cover
- ✓ Twist to release emergency stop

OPTIONAL EQUIPMENT:

- Ø 500mm 4 Jaw independent chuck
- Bison (European) 3 Jaw self-centring chuck
- Bison (European) 4 Jaw independent chuck
- Ø 500mm Face plate
- Quick change tool post c/w 5 flat holders
- Large steady rest 190-405mm
- Taper turning attachment
- Economy or premium 2 axis digital readout
- Lead screw and feed rod curtain
- Anti-vibration mounts
- Tooling package to your requirements