



Whitelaw

ENGINEERING MACHINERY
INCORPORATED 1965



MODEL: LA-460-80 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 (350mm) 14" bed way to absorb vibration
- Heavy duty spindle hardened, ground and dynamically balanced
- Large Ø 80mm 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 D1-8 cam lock spindle nose
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- Automatic and manual lubrication supplies oil to cross slide and bed ways
- 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
- Quality Taiwanese manufacture
- 12 months' warranty

SPECIFICATION:

Capacity:

Swing over bed:	...Ø 460 mm
Swing in gap:	...Ø 620 mm
Swing over cross slide:	...Ø 280 mm
Distance between centres:	...1100/1500/2000 mm
Width of bed:	...350 mm
Gap width in front of faceplate:	...200 mm

Headstock & Main Spindle:

Spindle nose:	...D1-8
Taper of spindle bore & centre sleeve:	...MT 6 x No 4
Spindle bore:	...Ø 80 mm
Speed range:	12 steps 25-1540 rpm

Carriage:

Cross slide travel:	...295 mm
Top slide travel:	...150 mm

Threads & Feeds:

Lead screw: Size /Imperial (Pitch)	... 35mm /(4TPI/6 mm)
Imperial threads: (kinds/range)	...44/2~72TPI
Metric threads: (kinds/range)	...39/0.2~14 mm
Number of feeds:	...36
Longitudinal feeds:	...0..03~0.85mm
Cross feeds:	...2/3 of longitudinal feeds

Tailstock:

Quill dia:	...Ø 70 mm
Quill travel:	...175 mm
Taper of centre:	...MT 4



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SPECIFICATION C'ont:

Motor:

Mail spindle:

...Teco 7.5HP 415v 3 Phase

Measurement and Weight:

Approx net weight:

...1800/2000/2200 kg

STANDARD EQUIPMENT:

- ✓ Ø 325mm 3 Jaw self-centring chuck
- ✓ Ø 350mm 4 Jaw independent chuck
- ✓ Full length splash guard
- ✓ Steady Rest with roller bearing support
- ✓ Follow Rest with bronze tip support
- ✓ Coolant pump
- ✓ Free-position micro carriage stop
- ✓ LED work lamp
- ✓ 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 400mm 4 Jaw independent chuck
- Bison (European) 3 Jaw self-centring chuck
- Bison (European) 4 Jaw independent chuck
- Face plate
- Quick change tool post c/w 5 flat holders
- Taper turning attachment
- Economy or premium 2 axis digital readout
- Lead screw and feed rod curtain
- Anti-vibration mounts
- Tooling package designed to meet your requirements



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