

CAPACITIES

Swing over bed and saddle wings 12¹/₄"
 Swing over cross slide 7¹/₄"
 Hole through spindle 1³/₈"
 Collet capacity — spindle nose type 1³/₈"
 Collet capacity — draw-bar type 1¹/₁₆"
 Distance between centers 24", 36"

SPINDLE SPEEDS

Direct drive infinitely variable between
 360 and 2000 rpm
 Back gear drive infinitely variable between
 52 and 280 rpm

THREADS AND FEEDS

Number, threads and feeds 54
 Longitudinal feed range00065" to .0367"
 Cross feed range00032" to .01834"
 Screw threads per inch, right or left hand 4, 4¹/₂,
 5, 5¹/₂, 5³/₄, 6, 6¹/₂, 6³/₄, 7, 8, 9, 10, 11, 11¹/₂, 12,
 13, 13¹/₂, 14, 16, 18, 20, 22, 23, 24, 26, 27, 28,
 32, 36, 40, 44, 46, 48, 52, 54, 56, 64, 72, 80, 88,
 92, 96, 104, 108, 112, 128, 144, 160, 176, 184,
 192, 208, 216, 224
 Lead screw ⁷/₈" dia., 8 Acme t.p.i.

HEADSTOCK

Spindle bearings "Zero Precision" Timken
 tapered roller
 Hole through spindle 1³/₈"
 Spindle nose, hardened, ground .. L-00 taper key drive
 Spindle nose internal taper No. 4¹/₂ M.T.
 Spindle center/..... No. 3 M.T.

CARRIAGE

Length on bed 13"
 Cross slide travel 7¹/₄"
 Compound rest graduated left and right 0-90°
 Compound rest travel 2¹/₂"
 Tool post ⁵/₈" x 1¹⁵/₁₆" slot, takes ¹/₂" bit or holder
 for ⁵/₁₆" bit

TAILSTOCK

Spindle No. 3, tanged
 Spindle diameter 1³/₈"
 Spindle travel 2⁷/₈"
 Spindle graduated 0-3" by 16ths
 Set-over for taper turning 1"

BED

Flame-hardened ways. Two 70° V-ways, two flat ways
 Depth 6¹/₂"
 Width 7³/₈"
 Length 47¹/₂, 59¹/₂"

DRIVE

Variable to countershaft hydraulically actuated
 Belt to spindle positive grip timing belt
 Motor, furnished 1, 1¹/₂, or 2 HP, optional
 Reversing switch furnished across-the-line drum
 (Note: Motor and switch are installed and factory tested.)

STANDARD EQUIPMENT, all models: flame-hardened
 bed ways, chip and coolant pan, motor, reversing switch,
 6" face plate, two centers, center sleeve, tool post,
 threading dial, wrenches and instruction book. (Design
 and specifications are subject to change without notice.)

**12" LATHES, VARIABLE SPEED DRIVE,
 with CLUTCH and BRAKE COUNTERSHAFT**

Model Number	Between Centers	Motor Furnished (Specify Voltage)	Ship. Wt.
5902	24"	1 hp, three phase	1060
5903	24"	1 ¹ / ₂ hp, single phase	1060
5904	24"	2 hp, three phase	1060
5912	36"	1 hp, three phase	1120
5913	36"	1 ¹ / ₂ hp, single phase	1120
5914	36"	2 hp, three phase	1120

5907 lathe, same as No. 5902, less clutch and brake
5908 lathe, same as No. 5903, less clutch and brake
5909 lathe, same as No. 5904, less clutch and brake
5917 lathe, same as No. 5912, less clutch and brake
5918 lathe, same as No. 5913, less clutch and brake
5919 lathe, same as No. 5914, less clutch and brake

Single-phase motors are capacitor start, 115/230V, 60C.
 Three-phase motors — 208/220/440V, 60C*. All motors
 ball bearing equipped.

* Operate on 50 Cycle at 1425 rpm.

OPTIONAL ELECTRICAL EQUIPMENT

*For Factory Installation Only**

No. 7130 MAGNETIC STARTER, for 3 phase*, with
 Drum Reversing Switch. Protects motor against over-
 load, low and no voltage. Motor will not automatically
 restart when power is restored — drum switch† has
 momentary contactors.

No. 7132 MAGNETIC REVERSING STARTER, for
 3 phase*, WITH 110 VOLT AT DRUM SWITCH.
 Protects motor against overload, low and no voltage.
 Motor will not automatically restart when power is
 restored — drum switch† has momentary contactors.

No. 7033 THERMAL OVERLOAD UNIT, for 1 or
 3 phase. Automatically cuts out to protect motor against
 overload. Has manual reset button. Installed between
 drum switch and motor.

*Controls for field installation, and for single
 phase, J.I.C. and NMTBA — price on application.

†Operated by lever on headstock.