

INTERNAL CYLINDRICAL GRINDERS

M2120

8" X 8"



STANDARD EQUIPMENT

- Electrical spare parts
- Dressing diamond
- Complete U.S. Standard Electrics
- Operator and Maintenance Manual
- 3 Jaw 12" dia. Self-Centering Chuck
- Leveling pads
- Wrench Set
- Grinding Wheels 45, 70, 100, 125, 150 mm
- Wheel Arbors (3)
- Wheel Flanges (2)
- Complete Coolant System
- Work light

OPTIONAL ACCESSORIES

- 1). DIGITAL READ-OUT SYSTEM
- 2). VARIABLE SPEED DRIVE
- 3). HIGH SPEED SPINDLE
- 4). HALOGEN WORK BULB REPLACEMENT
- 5). MANUAL PAPER FILTRATION SYSTEM
- 6). AUTOMATIC PAPER FILTRATION SYSTEM
- 7). COOLANT FILTRATION SYSTEM
- 8). TRANSFORMER
- 9). AIR POWER CHUCK
- 10). COLLET CHUCK EXTENSION I.D. ARBOR
- 11). WARRANTY EXTENSION

CAPACITY

SWING DIAMETER : 16" (with hood) 26" (w/out hood)
LENGTH : 4.8" to 8" (with supplied arbors)
CENTER HEIGHT : 13.25 in.
MAXIMUM WORKLOAD : 800 lbs.
NET WEIGHT : 7400 lbs
DIMENSIONS : 122" x 58" x 58" (LxWxH)
GRIND DIAMETER : 2" to 8" (with supplied arbors)

WHEELHEAD

HORSE POWER : 5.5 hp
WHEEL SIZE : 1.77 - 5.9 dia. (5 wheels supplied)
WHEEL SPEED : 11,000 8,000 6,000 4,800 4,000 rpm
SURFACE SPEED : 5,101 - 6,183 sfm
RAPID TRAVEL : 23.62 in.
HANDWHEEL/REV : 0.05 in.
HANDWHEEL/DIV : 0.0002 in.
MAXIMUM TRAVEL HW : 3.0 in.
HORSE POWER : 1.36 - 2 hp (2 speed)
SPINDLE TAPER : 1:5 taper
SPINDLE LUBE : factory lubrication

WORKTABLE

FEED RANGE : 5.9 - 236 ipm
MAXIMUM TRAVEL : 23.62 in.
RAPID FEED : 315 ipm (Max)
RAPID TRAVEL : n/a

WORKHEAD

SPINDLE SPEED : 120 - 320 (low) 220 - 650 (high) rpm
SWIVEL : + 30 deg.
SPINDLE NOSE : 1:4 Taper/#5 MT Bore
MAXIMUM TRAVEL : 8.0 in. (positioning slide only)

TAILSTOCK

DRESSING : semi-automatic swing down

HYDRAULIC SYSTEM

HORSE POWER : 2 hp
PRESSURE : 14.2 psi. (lube) 142 psi. (main)
RESERVOIR : 40 gal.

COOLANT SYSTEM

FLOW : 16.6 gpm.
HORSE POWER : .12 hp
FLOW : 6.6 gpm.
PRESSURE : 25 psi.
RESERVOIR : 35 gal.

ACCURACIES (PERMISSIBLE DEVIATION)

ROUNDNESS : 0.0001/3.93 dia.
CYLINDRICITY : 0.0003/5.9 in.
REPEATABILITY : 0.00008 in.

POWER VOLTAGE

VOLTAGE : 220 volt 60 hz. 3 phase
TOTAL KVA : 7.1 kva
CURRENT AMPS : 40 amps