



GMC HEAVY DUTY GAP BED LATHES

5-1/8" large spindle bore

Model # GML-7280H, 72"x 80", 5-1/8" spindle bore, 20HP, 220/440V, 3PH.

Model # GML-72120H, 72"x 120", 5-1/8" spindle bore, 20HP, 220/440V, 3PH.

Model # GML-72180H, 72"x 180", 5-1/8" spindle bore, 20HP, 220/440V, 3PH.

Model # GML-72240H, 72"x 240", 5-1/8" spindle bore, 20HP, 220/440V, 3PH.

Standard Features:

- ISO 9001 certified
- Large spindle bore 5 1/8"
- Heavy Duty spindle D1-11
- **Heavy Duty guideway width 24"**
- **Heavy Duty main motor 20 HP**
- 18 spindle speeds from 6 to 480 rpm
- 31 kinds of inch threads, and 53 kinds of metric threads
- Threading and feeding rate change without changing gears
- 4-way rapid traverse to carriage and cross slide
- Spindle is balanced, hardened and precision ground
- Spindle is supported at 3-point by high precision bearings
- All gears and shafts are hardened and precision ground
- Guideways induction hardened and precision ground
- Automatic lubrication system in headstock and feed box
- Adjustable hydraulic clutch for spindle turning and brake
- Power 220V /208V , 3 phase, 60 HZ (440V /460V is optional)
- One year industrial warranty for parts

| Specifications: | GML7260H | GML7280H | GML72120H | GML72180H | GML72240H |
|------------------------------------|---|-----------|-----------|-----------|-----------|
| Max. swing over bed | 72-1/16" | 72-1/16" | 72-1/16" | 72-1/16" | 72-1/16" |
| Max. length of workpiece | 60" | 80" | 120" | 180" | 240" |
| Max. swing over cross slide | 56-3/4" | 56-3/4" | 56-3/4" | 56-3/4" | 56-3/4" |
| Max. Swing in gap | 78-3/4" | 78-3/4" | 78-3/4" | 78-3/4" | 78-3/4" |
| Width of Bed | 24" very wide bed | | | | |
| Effective length in gap to spindle | 15" | | | | |
| Effective length in gap to chuck | 9" | | | | |
| Spindle bore | 5 1/8" , D1-11 | | | | |
| Taper of spindle center | M.T.# 6 | | | | |
| Spindle speeds | 6 – 480 rpm / 18 steps | | | | |
| Longitudinal feeds | 0.0027-0.66 IPR, 64 kinds | | | | |
| Cross feeds | 0.00157-0.378 IPR, 64 kinds | | | | |
| Inch threads | 32-2TPI, 31 kinds | | | | |
| Metric threads | 1-240 mm , 53 kinds | | | | |
| Module threads | 0.25-60 mm, 47 kinds | | | | |
| Diametral pitch threads | 60 – 1/2 DP , 47 kinds | | | | |
| Max. travel of top slide | 8-7/8" | | | | |
| Max. travel of cross slide | 36" | | | | |
| Longitudinal rapid travel speed | 126" / min. | | | | |
| Cross slide rapid travel speed | 75" / min. | | | | |
| Diameter of tailstock quill | 4-3/4" | | | | |
| Max. travel of tailstock quill | 10-5/8" | | | | |
| Taper of tailstock quill center | M.T. # 6 | | | | |
| | | | | | |
| Main motor | 20 HP, 220V or 440V, 3 phase, prewired on 220V | | | | |
| Rapid traverse motor | 2 HP, 220 or 440V, 3 phase, prewired on 220V | | | | |
| Coolant pump motor | 1/8 HP, 220V or 440V, 3 phase, prewired on 220V | | | | |
| | | | | | |
| Machine weight, approx., LBS | 19,200 | 19,900 | 21,600 | 23,600 | 24,700 |
| Overall dimensions, LxWxH | 152x87x94 | 171x87x94 | 204x87x94 | 263x87x94 | 327x87x94 |
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Standard Free Equipment:

- 20" 3-jaw chuck with top reversible jaws
- 25" 4-jaw chuck with reversible jaws
- 55" Face plate
- 12" drive plate
- 27" large steady rest
- Follow rest
- Removeable gap
- 4-way tools post
- Foot brake
- Work light and coolant system
- Section splash guard on rear of carriage
- (2) dead centers and (1) reducing sleeve
- Thread chasing dial
- 4-way rapid traverse on carriage
- tool box
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Optional Equipment:

- Taper attachment, 30" travel, # TA-72H.
- DRO for GML-7280H, SINO, # SINO-3680, 2 axis.
- DRO for #GML-7280H,NEWALL # NW3680, 2 axis.
- DRO for #GML-72120H,NEWALL # NW36120, 2 axis.
- DRO for #GM-72180H, NEWALL # NW36160, 2 axis.
- DRO for #GML-72240H,NEWALL # NW36240, 2 axis.

The picture for Lathe model # GML-72120H is shown below

