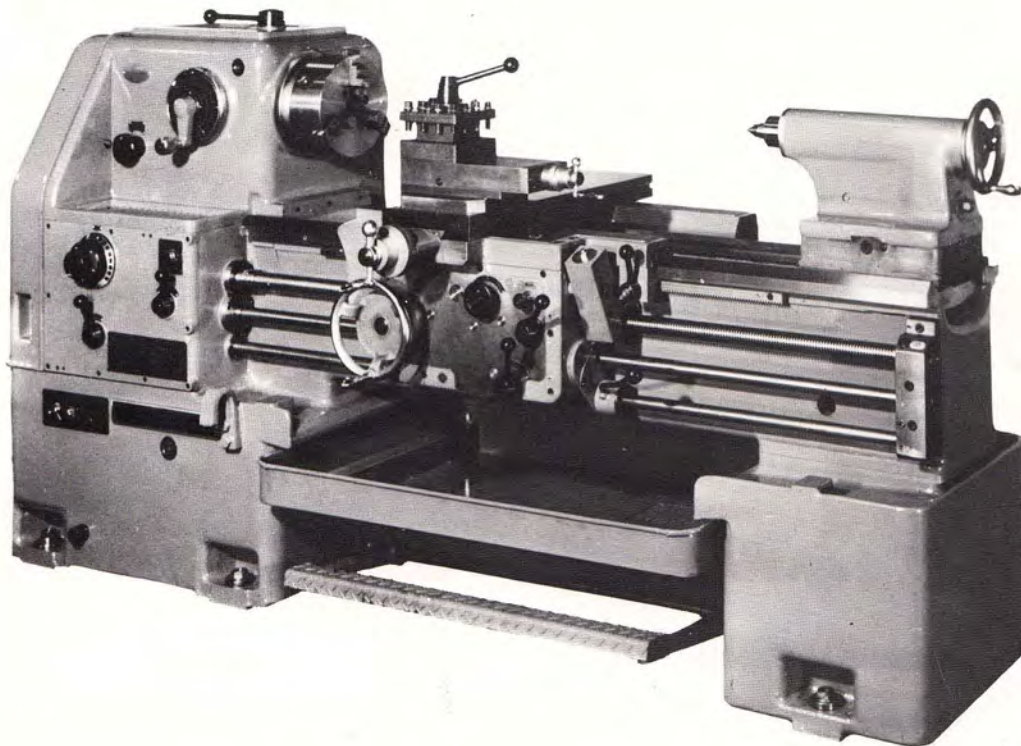


# GEARED-HEAD

# LATHES by POWERMATIC



ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT

CATALOG NO. GH-1

Distributed By

**POWERMATIC**  **HOUDAILLE, INC.**  
McMinnville, Tennessee 37110





# POWERMATIC'S

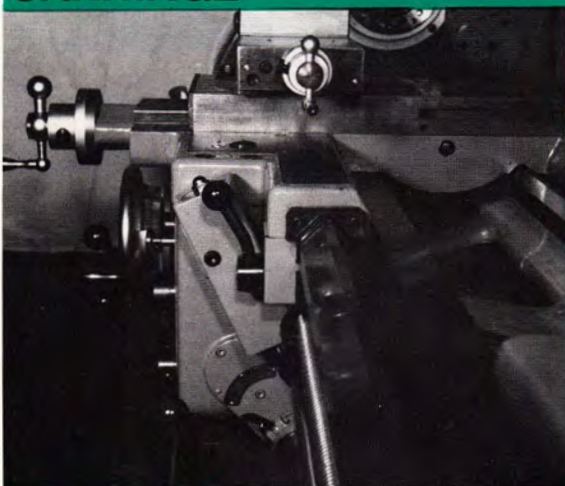
# Geared-Head

## Lathes

Now available in swings of 14" thru 22" and centers 20" to 100". — Your choice of 19 Models and sizes! —

### FEATURES

#### CARRIAGE



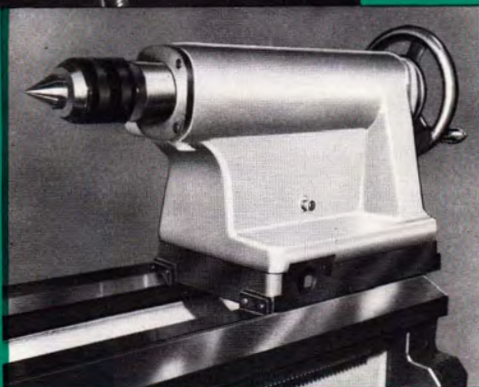
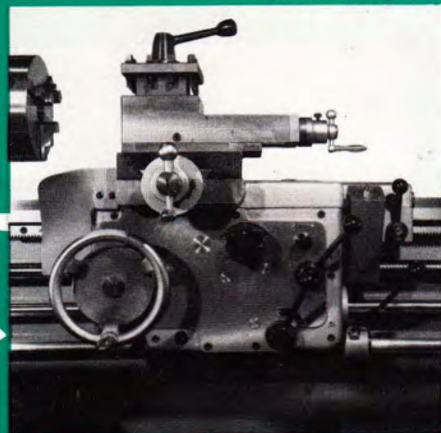
The carriage bridge is deep, wide and fully ribbed for maximum rigidity and strength.

Wide wings provide large bearing surfaces which maintain positive alignment in all types of turning operations.

This compact apron contains all the necessary controls for carriage operation, including one-shot lubrication for contact and pressure points in the carriage.

Foolproof interlocks prevent simultaneous engagement of feed rod and leadscrew.

#### APRON



#### TAILSTOCK

Tailstock clamping is fast and positive. The spindle is graduated and is furnished with a tang driver. (Illustrated, is a live center which is optional.)



Chip Pan is a pull-out type, located at the front of the machine for convenient cleaning and easy maintenance.

#### CHIP PAN

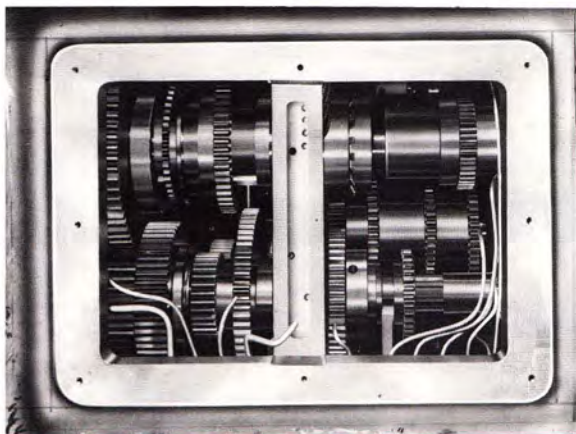


#### SPINDLE

This massive spindle is rigidly supported at three positions by two precision taper roller bearings and a double row roller bearing.

Holes through spindle range from 1-3/8" to 3", depending on the lathe capacity.





Gearbox controls are conveniently located to provide rapid and effortless selection of threads and feeds.

Gears mounted in the thick-walled, massive headstock casting. This transmission provides maximum capability for rough cutting and the smooth power flow required for finishing.

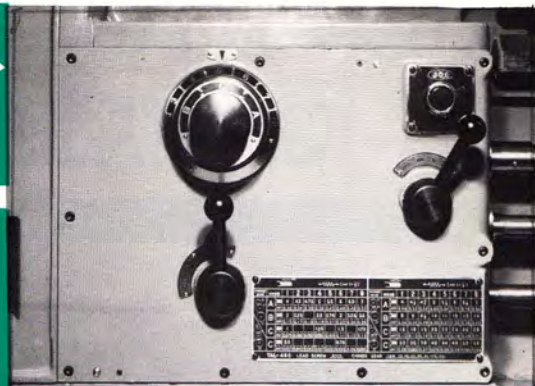
## TRANSMISSION



All headstock or transmission gears are MAAG ground, which insures finite accuracy. Strength, rigidity and longevity are built into these gears through use of top quality material, heat treated to provide ultimate performance.

Pressure on the foot brake pedal stops the spindle within 1.5 seconds.

The speed change and selector dial located on the headstock is of the endless type and may be turned in either direction to set. 12 speeds are available as quickly as the dial can be turned.



## GEARBOX



## GEARS



## BRAKE PEDAL

The bedways are induction hardened and precision ground to insure accuracy and wear resistance. The bed is amply ribbed to withstand heavy cutting and to minimize vibration. This construction assures rigidity.

Ways are plunger lubricated from the apron.

## INDUCTION HARDENED

## BED

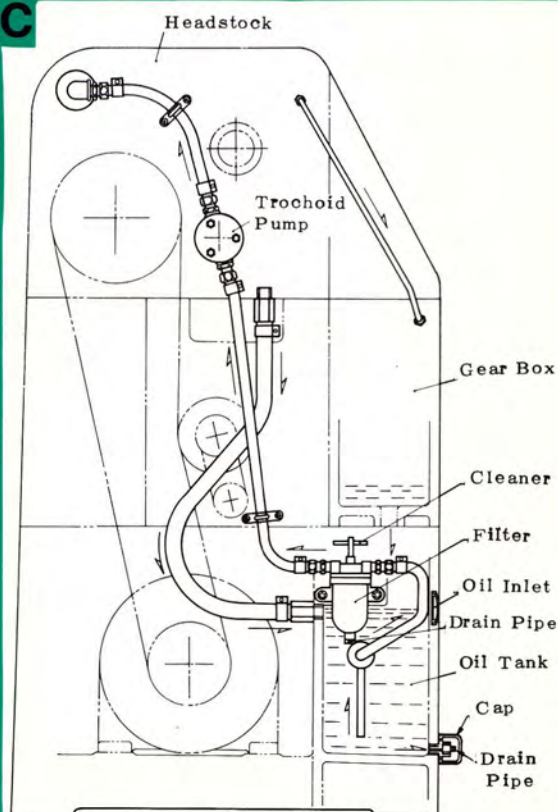


## AUTOMATIC LUBE SYSTEM

Automatic, forced feed filtered lubrication to the headstock and gear box by the trochoid pump.

Always consult your Instruction Manual for full information on other points requiring periodic lubrication.

## HEADSTOCK CONTROL





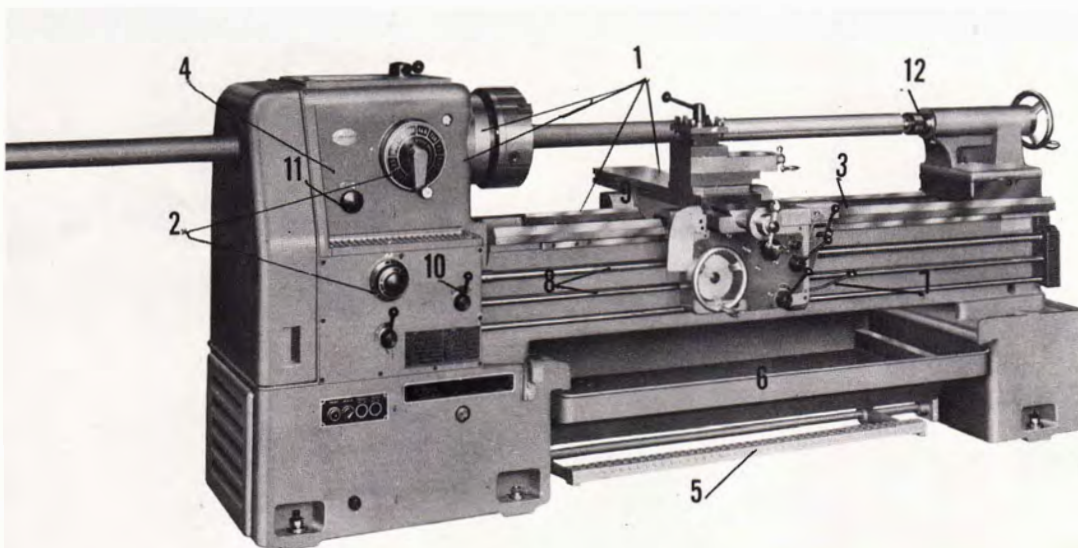
# LATHES by POWERMATIC

## GEARED-HEAD

MODEL "B" 22"  
SWING

### FEATURES

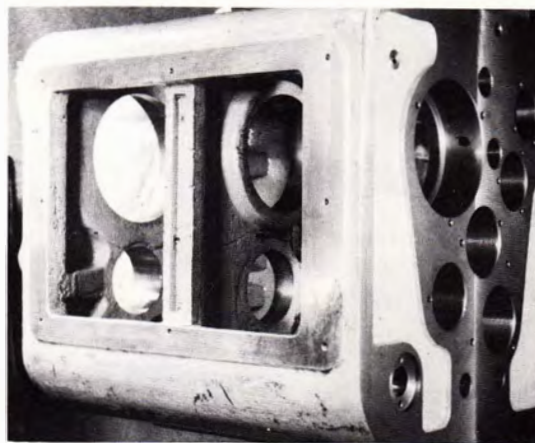
- ① MASSIVE CONSTRUCTION --- Bed, Headstock, Carriage and Spindle, Vibrationless Operation
- ② Dial-In Speeds and Feeds
- ③ Precision Ground and Induction Hardened Bedways
- ④ Automatic, Forced Lubrication to Headstock and Gearbox
- ⑤ Instant-Stop Foot Brake
- ⑥ Slide-out Chip Pan
- ⑦ Start - Stop Spindle Control at Apron
- ⑧ Separate Feed Rod and Lead Screw
- ⑨ Wide Saddle -- no Fishtailing
- ⑩ Drop Worm Type Feed Operation
- ⑪ Built-in Jog Button
- ⑫ Ground and Hardened Tailstock Spindle



### ADDITIONAL OUTSTANDING FEATURES OF THE 22" SWING MODEL "B"

Gears MAAG Ground and Hardened  
115v at the Pushbutton  
One-shot Lubrication to Bed and Saddle Ways  
Precision Tapered Roller Bearings  
Start Button Safety Interlock  
Dual Filtered Lubricating Oil  
Unique Bedway Wipers  
Shielded Leadscrew and Cross Feed Screw  
Tapered Gibs on Cross and Compound Slides  
Pushbutton Selector for Longitudinal and Cross Feeds  
Anti-Backlash Feed Nut  
10 HP Motor  
Gap Bed  
3" Hole Through Spindle  
2-56 Threads per Inch

### SUBSTANTIAL HEADSTOCK CASE



## SPECIFICATIONS

CAPACITIES		B-22040	B-22060	B-22080	B-22100
Swing over bed		22"	22"	22"	22"
Swing over cross slide		13-3/8"	13-3/8"	13-3/8"	13-3/8"
Width of gap in front of face plate		8-1/2"	8-1/2"	8-1/2"	8-1/2"
Swing in gap		30-1/4"	30-1/4"	30-1/4"	30-1/4"
Distance between centers		40"	60"	80"	100"
HEADSTOCK					
Number of spindle speeds		12	12	12	12
Speed range		25-1500RPM	25-1500RPM	25-1500RPM	25-1500RPM
Spindle nose		L-1-8"	L-1-8"	L-1-8"	L-1-8"
Hole through spindle		3"	3"	3"	3"
Spindle taper		No. 7 MT	No. 7 MT	No. 7 MT	No. 7 MT
Center taper		No. 5 MT	No. 5 MT	No. 5 MT	No. 5 MT
FEEDS					
Longitudinal	40	0.0014"- 0.079"	0.0014"- 0.079"	0.0014"- 0.079"	0.0014"- 0.079"
Cross feed	40	0.0007"- 0.039"	0.0007"- 0.039"	0.0007"- 0.039"	0.0007"- 0.039"
CARRIAGE					
Cross slide travel		12-3/16"	12-3/16"	12-3/16"	12-3/16"
Tool slide travel		5-7/8"	5-7/8"	5-7/8"	5-7/8"
THREADS					
Inch threads	40	2-56 tpi	2-56 tpi	2-56 tpi	2-56 tpi
Lead screw diameter and pitch		1.377"-4	1.377"-4	1.50"-4	1.50"-4
TAILSTOCK					
Spindle diameter		2-5/16"	2-5/16"	2-5/16"	2-5/16"
Center		No. 5 MT	No. 5 MT	No. 5 MT	No. 5 MT
Spindle travel		5-7/8"	5-7/8"	5-7/8"	5-7/8"
BED					
Length of bed		91-7/8"	111-7/8"	131-7/8"	151-7/8"
Width of bed		16-7/8"	16-7/8"	16-7/8"	16-7/8"
Depth of bed		14"	14"	14"	14"
MOTOR					
		10 HP	10 HP	10 HP	10 HP
SHIPPING DATA					
Length		105-3/4"	125-3/4"	145-3/4"	165-3/4"
Width		41-1/2"	41-1/2"	41-1/2"	41-1/2"
Height		52"	52"	54-1/8"	54-1/8"
Net weight		5720 lbs	6380 lbs	7270 lbs	7920 lbs.

ALL SPECIFICATIONS AND DESIGN CHARACTERISTICS SHOWN IN THIS CATALOG ARE SUBJECT TO CHANGE WITHOUT NOTICE.

### STANDARD EQUIPMENT

10 HP motor and controls  
 Chip pan  
 8" driving plate  
 2 - No. 5 MT centers  
 No. 7 MT reducing sleeve  
 Tool Post  
 Threading dial  
 Change gears  
 Set of Wrenches  
 Oil gun

Touch-up paint  
 Instruction manual

### OPTIONAL EQUIPMENT

Hydraulic tracer  
 3-jaw universal chuck  
 Face plates  
 Rear tool post  
 Micro carriage stop  
 Automatic longitudinal feed stop  
 Follow rest  
 Work light

Telescope taper attachment  
 4-jaw independent chuck  
 Live center  
 One-position carriage stop  
 Vertical turret carriage stop  
 Steady rest  
 Coolant system  
 Chip guard

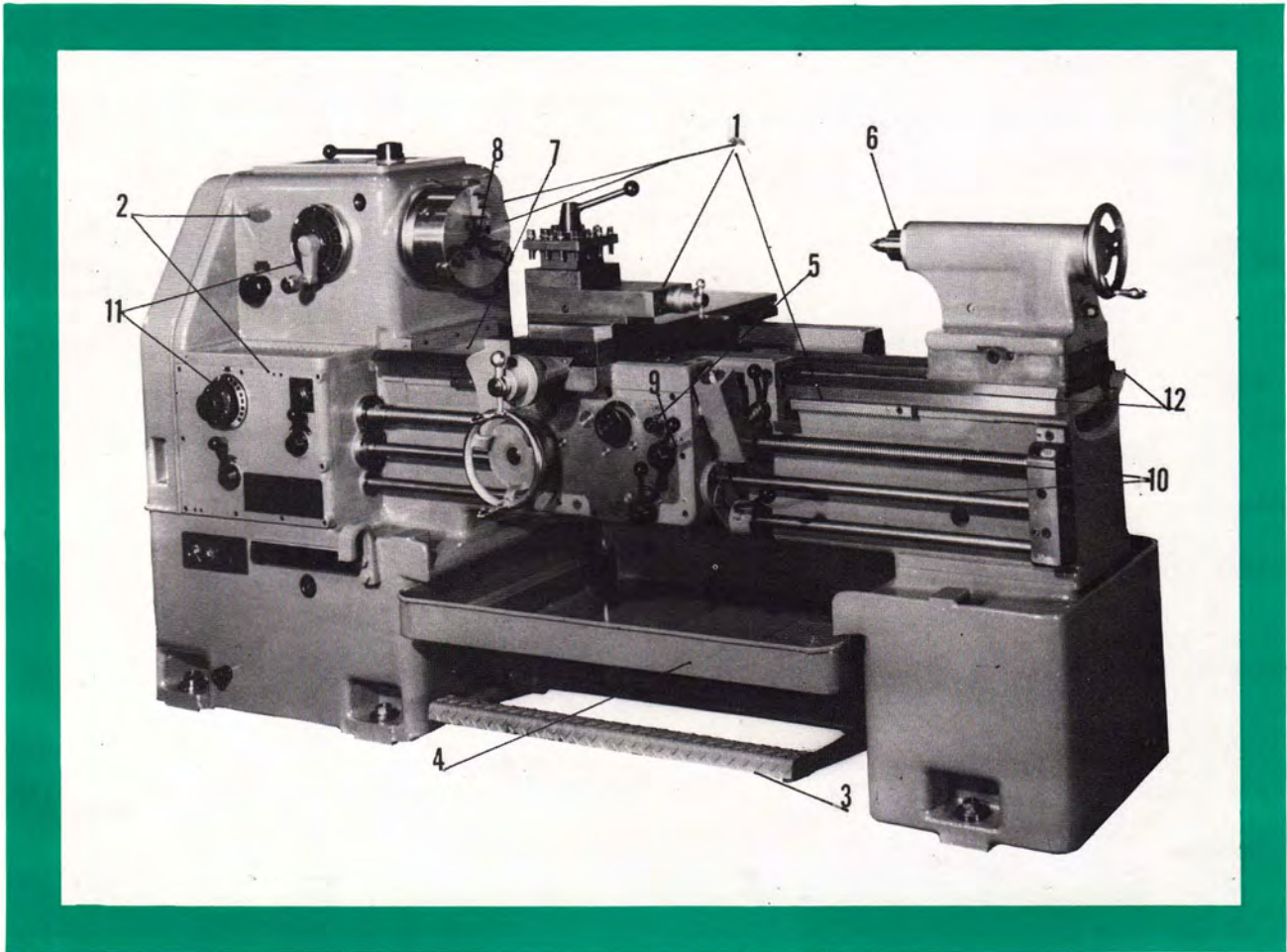
ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT



# LATHES by POWERMATIC

## GEARED-HEAD

MODEL "B" 20" SWING



### FEATURES

- ① Massive Construction -; Bed, Headstock, Carriage and Spindle (Vibrationless Operation)
- ② Automatic Forced Lubrication to Headstock and Gearbox
- ③ Instant-Stop Foot Brake
- ④ Slide-out Chip Pan
- ⑤ One-Shot Lubrication to Bed and Saddle Ways
- ⑥ Hardened and Ground Tailstock Spindle
- ⑦ Gap Bed
- ⑧ 2-1/16" Hole Through Spindle
- ⑨ Start-Stop Spindle Control at the Apron
- ⑩ Separate Feed Rod and Leadscrew
- ⑪ Dial-In Speeds and Feeds
- ⑫ Induction Hardened and Ground Bedways

### ADDITIONAL FEATURES OF THE 20" SWING MODEL "B"

MAAG Ground and Hardened Gears  
 115v at the Pushbutton  
 Precision Tapered Roller Bearings  
 Wide Saddle - No Fishtailing  
 Drop Worm Type Feed Operation  
 Start Button Safety Interlock  
 Built-in Jog Button  
 Unique Bedway Wipers  
 Dual Filtered Lubricating Oil  
 Shielded Leadscrew and Cross Feed Screw  
 Tapered Gibs on Cross and Compound Slides  
 Push-Pull Selector for Longitudinal and Cross Feeds  
 Anti Back-Lash Feed Nut  
 7-1/2 HP Motor

## SPECIFICATIONS

	B-20040	B-20060	B-20080
CAPACITIES			
Swing over bed	20"	20"	20"
Swing over cross slide	11-13/16"	11-13/16"	11-13/16"
Hole through spindle	2-1/16"	2-1/16"	2-1/16"
Distance between centers	40"	60"	80"
Gap bed models: Swing in gap	27-15/16"	27-15/16"	27-15/16"
Width in front of face plate	7-1/4"	7-1/4"	7-1/4"
HEADSTOCK			
Spindle nose	L-1	L-1	L-1
Taper in spindle nose bushing	No. 6 MT	No. 6 MT	No. 6 MT
Spindle center	No. 4 MT	No. 4 MT	No. 4 MT
SPINDLE SPEEDS			
Number of speeds 12	25,36,53,70,100,145,265,380,555, 715,1020,1500 RPM		
THREADS AND FEEDS			
Number of threads per inch, 32	4, 4.5, 4.75, 5, 5.5, 6, 6.5, 7, 8, 9, 9.5, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 26, 28, 32, 36, 38, 40, 44, 48, 52, 56. TPI		
Longitudinal feeds	0.0022"- 0.031"	0.0022"- 0.031"	0.0022"- 0.031"
Cross feeds	0.0011"- 0.0155"	0.0011"- 0.0155"	0.0011"- 0.0155"
Lead screw	1-3/8" - 4	1-3/8" - 4	1-3/8" - 4
CARRIAGE			
Length on bed	23-1/4"	23-1/4"	23-1/4"
Cross slide travel	11-3/16"	11-3/16"	11-3/16"
Tool rest travel	5"	5"	5"
TAILSTOCK			
Spindle diameter	2-9/16"	2-9/16"	2-9/16"
Center	No. 4 MT	No. 4 MT	No. 4 MT
Spindle travel	5-7/8"	5-7/8"	5-7/8"
BED			
Width	14-9/16"	14-9/16"	14-9/16"
Depth	13-3/8"	13-3/8"	13-3/8"
Length	85"	105"	125"
MOTOR			
	7-1/2 HP	7-1/2 HP	7-1/2 HP
SHIPPING DATA			
Net weight	5070 lbs	5940 lbs	7480 lbs
Gross weight	5730 lbs	6610 lbs	8140 lbs
Measurement	200 cft.	230 cft.	260 cft.

### STANDARD EQUIPMENT

Thread chasing dial  
Chip and coolant pan  
2 - No.4 MT centers  
No. 6 MT sleeve  
Small face plate  
Oil gun  
Touch-up paint  
Fuse elements  
2 - screw drivers  
T-socket wrench  
Box wrench  
Double-ended wrenches  
8 - Hex wrenches  
Test chart  
Operation manual and parts list

### OPTIONAL EQUIPMENT

Taper attachment  
Hydraulic tracer  
Automatic length stop  
Micro carriage stop  
Turret stop  
Plain stop  
Rear toolpost  
Coolant pump  
Chip cover  
Work light  
Toolpost grinder  
High speed thread cutting attachment  
Steady rest  
Follow rest  
3-jaw chuck  
4-jaw chuck  
Face plate  
Live center

The body of "B" type lathe is machined with mounting pads for above attachments.

### SUPER WARRANTY

GEARED-HEAD Lathes by Power-matic are manufactured from the finest material with the highest standards of workmanship. Any part found to be defective in material or workmanship, will be replaced free of charge within one and one half years of purchase.

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1-shot carriage lube



▼TELESCOPIC TAPER ATTACHMENT



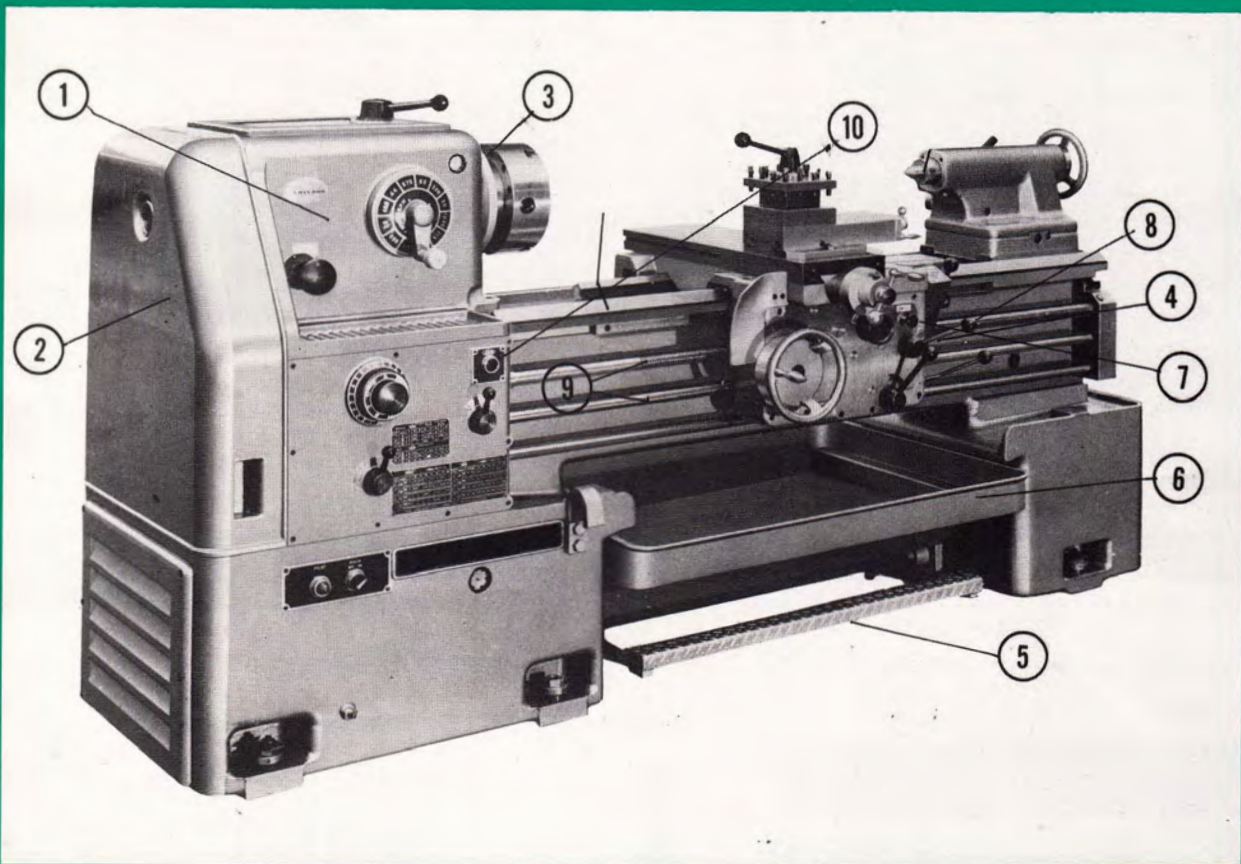


# LATHES by POWERMATIC GEARED-HEAD

MODEL "B" **18"**  
SWING

## FEATURES

- |   |   |
|---|---|
| ① MAAG Ground and Hardened Gears                        | ⑥ Slide-out Chip Pan                          |
| ② Automatic Forced Lubrication to Headstock and Gearbox | ⑦ One Shot Lubrication to Bed and Saddle Ways |
| ③ Precision Tapered Roller Bearings                     | ⑧ Start Stop Spindle Control at Apron         |
| ④ Push-Pull Selector for Longitudinal and Cross Feeds   | ⑨ Separate Feed Rod and Leadscrew             |
| ⑤ Instant Stop Foot Brake                               | ⑩ Built In Jog Button                         |



## ADDITIONAL OUTSTANDING FEATURES ON THE 18" SWING MODEL "B"

Dial-in Speeds and Feeds  
Over-all Massive Construction  
115v at Pushbutton  
Wide Saddle - No Fishtailing  
Drop Worm Type Feed Operation  
Unique Bed Wipers  
Dual Filtered Lubricating Oil

Precision Ground and Hardened Tailstock Spindle  
Precision Ground and Induction Hardened Bedways  
Anti Backlash Feed Nut  
7-1/2 HP Motor  
Hole Through Spindle, 2-1/16"  
Shielded Leadscrew and Cross Feed Screw  
Tapered Gibs on Cross and Compound Slides

**ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT**



## SPECIFICATIONS

<u>CAPACITIES</u>		B-1804U	B-18060	B-18080	<u>STANDARD EQUIPMENT</u> Thread chasing dial Chip and coolant pan 2 - No. 4 MT centers No. 6 MT sleeve Small face plate Oil gun Touch-up paint Fuse elements 2 - screw drivers T-socket wrench Box wrench Double-ended wrenches 8 - Hex wrenches Test chart Operation manual and parts list
Swing over bed	18"	18"	18"		
Swing over cross slide	9-13/16"	9-13/16"	9-13/16"		
Hole through spindle	2-1/16"	2-1/16"	2-1/16"		
Distance between centers	40"	60"	80"		
<u>HEADSTOCK</u>					<u>OPTIONAL EQUIPMENT</u> Taper attachment Hydraulic tracer Automatic length stop Micro carriage stop Turret stop Plain stop Rear tool post Coolant pump Chip cover Work light Tool post grinder High speed thread cutting attachment Steady rest Follow rest 3-jaw chuck 4-jaw chuck Face plate Live center
Spindle nose	L-1	L-1	L-1		
Taper on spindle nose bushing	No. 6 MT	No. 6 MT	No. 6 MT		
Spindle center	No. 4 MT	No. 4 MT	No. 4 MT		
<u>SPINDLE SPEEDS</u>					
Number of speeds 12	25, 36, 53, 70, 100, 145, 265, 380, 555, 715, 1020, 1500 RPM.				
<u>THREADS AND FEEDS</u>					<u>SUPER WARRANTY</u> GEARED-HEAD Lathes by Power-matic are manufactured from the finest material with the highest standards of workmanship. Any part found to be defective in material or workmanship, will be replaced free of charge within one and one half years of purchase.
Number of threads 32	4, 4-1/2, 4-3/4, 5, 5-1/2, 6, 6-1/2, 7, 8, 9, 9-1/2, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 26, 28, 32, 36, 38, 40, 44, 48, 52, 56 TPI.				
Longitudinal feeds 32	0.0022"-0.031"	0.0022"-0.031"	0.0022"-0.031"		
Cross feeds 32	0.0011"-0.0155"	0.0011"-0.0155"	0.0011"-0.0155"		
Lead screw diameter	1-3/8"- 4	1-3/8"- 4	1-3/8"- 4		
<u>CARRIAGE</u>					<u>GEAR BOX CONTROLS</u>
Cross slide travel	10-1/4"	10-1/4"	10-1/4"		
Compound rest travel	5"	5"	5"		
Length on bed	23-1/4"	23-1/4"	23-1/4"		
<u>TAILSTOCK</u>					
Spindle diameter	2-9/16"	2-9/16"	2-9/16"		
Center	No. 4 MT	No. 4 MT	No. 4 MT		
Spindle travel	5-7/8"	5-7/8"	5-7/8"		
<u>BED</u>					
Width	14-9/16"	14-9/16"	14-9/16"		
Depth	13-3/8"	13-3/8"	13-3/8"		
Length	85"	105"	125"		
<u>MOTOR</u>		7-1/2 HP	7-1/2 HP	7-1/2 HP	
<u>SHIPPING DATA</u>					
Net weight	4410 lbs	5280 lbs	5780 lbs		
Gross weight	5070 lbs	5940 lbs	6440 lbs		
Measurement	180 cft.	220 cft.	250 cft.		

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APRON CONTROLS



HEADSTOCK CONTROLS



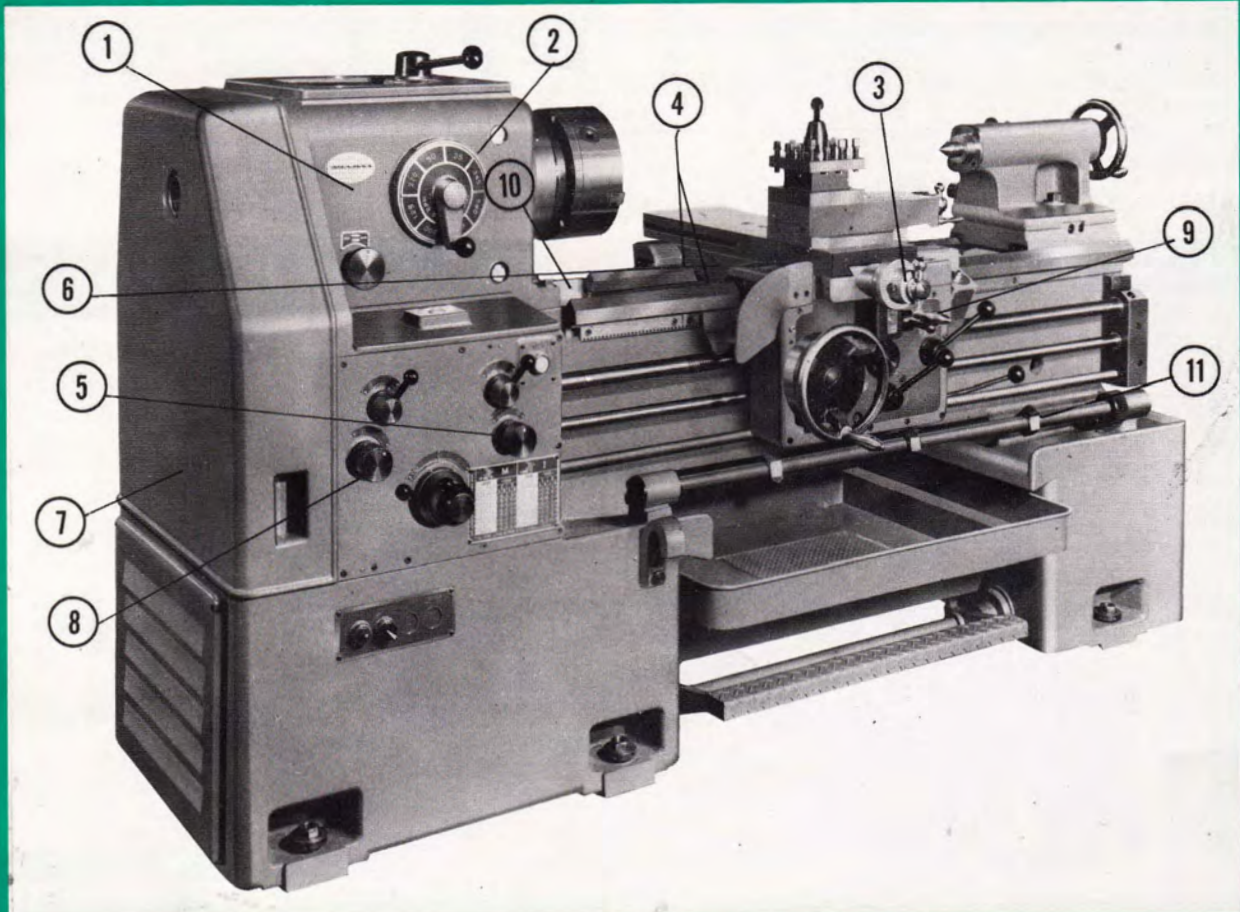
GEAR BOX CONTROLS



**LATHES by POWERMATIC**

**GEARED-HEAD**

**MODEL "B" 17" SWING**



### FEATURES

- ① Gears MAAG Ground and Specially Hardened
- ② Precision Tapered Roller Bearings
- ③ Pushbutton Selector for Longitudinal and Cross Feeds
- ④ Tapered Gibs on Cross and Compound Slides
- ⑤ Built-in Jog Button
- ⑥ Wide Saddle - No Fishtailing
- ⑦ Dual Filtered Lubricating Oil
- ⑧ 115v at the Pushbutton
- ⑨ One-shot Lubrication to Bed and Saddle Ways:
- ⑩ Gap Bed
- ⑪ Longitudinal Feed Stop

### ADDITIONAL OUTSTANDING FEATURES ON THE 17" SWING LATHE

Dial-in Feeds and Speeds  
Massive Construction - Bed, Headstock, Carriage and Spindle  
Precision Ground and Induction Hardened Bedways  
Automatic Forced Feed Lubrication to Headstock and Gearbox

Instant Stop Foot Brake  
Slide-out Chip Pan  
Start - Stop Spindle Control at Apron  
Separate Feed Rod and Leadscrew  
Drop Worm Type Feed Operation  
Start Button Safety Interlock  
Unique Bed Wipers  
Shielded Leadscrew and Compound Slides  
5 HP Motor



## SPECIFICATIONS

CAPACITIES		B-17033	B-17040	B-17060
Swing over bed		17"	17"	17"
Swing over cross slide		9-5/8"	9-5/8"	9-5/8"
Width of gap in front of face plate		5-7/8"	5-7/8"	5-7/8"
Swing over gap		25-3/16"	25-3/16"	25-3/16"
Distance between centers		60"	33"	40"
HEADSTOCK				
Spindle speeds	8	50-1500 RPM	50-1500 RPM	50-1500 RPM
Hole through spindle		2-1/8"	2-1/8"	2-1/8"
Spindle taper		No. 6 MT	No. 6 MT	No. 6 MT
Center taper		No. 4 MT	No. 4 MT	No. 4 MT
FEEDS				
Longitudinal	32	0.0020"-0.0274"	0.0020"-0.0274"	0.0020"-0.0274"
Cross feeds	32	0.0010"-0.0137"	0.0010"-0.0137"	0.0010"-0.0137"
CARRIAGE				
Cross slide travel		9-5/8"	9-5/8"	9-5/8"
Tool slide travel		5-1/2"	5-1/2"	5-1/2"
THREADS				
Number of threads	32	4-56 tpi	4-56 tpi	4-56 tpi
Lead screw diameter and pitch		1-3/8"-4	1-3/8"-4	1-3/8"-4
TAILSTOCK				
Spindle diameter		2-3/8"	2-3/8"	2-3/8"
Center		No. 4 MT	No. 4 MT	No. 4 MT
Spindle travel		5-1/8"	5-1/8"	5-1/8"
BED				
Length of bed		76-3/8"	81-3/16"	102-3/4"
Width of bed		13-3/8"	13-3/8"	13-3/8"
Depth of bed		13-3/8"	13-3/8"	13-3/8"
MOTOR		5 HP	5 HP	5 HP
SHIPPING DATA				
Length		88-9/16"	95-1/4"	114-15/16"
Width		37-3/8"	37-3/8"	37-3/8"
Height		48-7/16"	48-7/16"	48-7/16"
Net weight		3750 lbs	4190 lbs	5070 lbs

### STANDARD EQUIPMENT

5 HP motor and controls  
Removable gap block  
Chip pan  
4-tool turret (or single tool post)  
Automatic longitudinal feed stop bar  
7-7/8" drive plate  
2 - No. 4 MT centers  
No. 6 MT reducing sleeve  
Threading dial  
Tool kit  
Instruction manual and parts list

### OPTIONAL EQUIPMENT

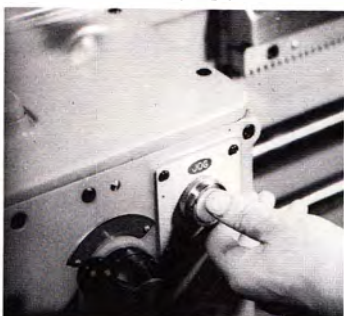
9" - 3-jaw universal chuck  
Coolant system with fittings  
Live center  
10" - 3-jaw universal chuck  
12" - 3-jaw universal chuck  
14" - 4jaw independent chuck  
Collet chuck  
15" face plate  
24" face plate  
Follow rest  
Steady rest  
One position carriage stop  
Five position vertical turret stop  
Micro carriage stop  
Telescopic taper attachment  
Rear tool post  
Hydraulic tracer attachment  
Splash guard

### SUPER WARRANTY

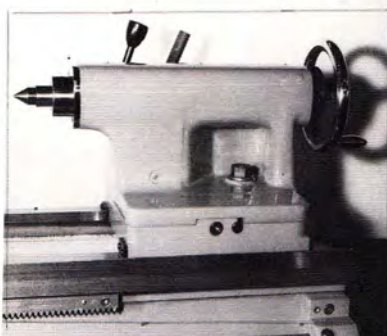
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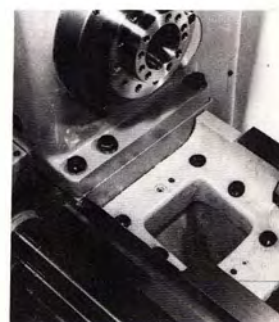
JOG BUTTON



TAILSTOCK



GAP BED

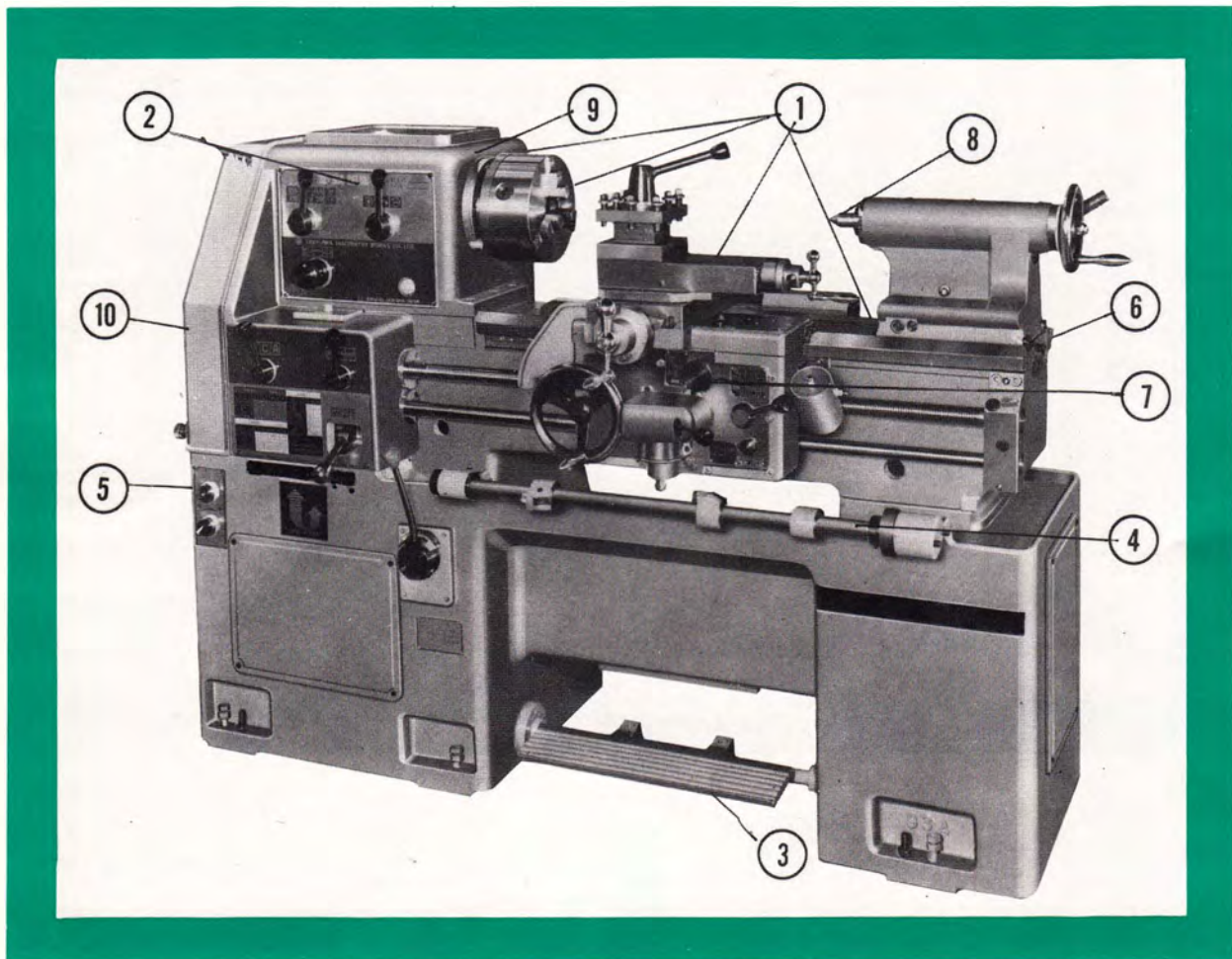


# LATHES by POWERMATIC GEARED-HEAD

MODEL "A" **14"**  
SWING

## FEATURES

- |  |   |
|--|---|
| ① Substantial Construction - Bed,<br>Headstock, Carriage and Spindle | ⑥ Precision Ground and Induction Hardened Bedways |
| ② MAAG Ground and Hardened Gears                                     | ⑦ One Shot Lubrication to Bed and Saddle Ways     |
| ③ Instant Stop Foot Brake  | ⑧ Precision Ground and Hardened Tailstock Spindle |
| ④ Automatic Feed Stop Bar  | ⑨ Precision Tapered Roller Bearings               |
| ⑤ 115v at the Pushbutton   | ⑩ Dual Filtered Lubrication Oil                   |



## ADDITIONAL OUTSTANDING FEATURES ON THE 14" SWING LATHE

Tapered Gibs on Cross and Compound Slides  
 Shielded Leadscrew and Cross Feed Screw  
 Push-button Selector for Longitudinal and Cross Feeds  
 and Anti- Backlash Feed Nut  
 3 HP Motor  
 Automatic Forced Lubrication to Headstock and Gears  
 Wide Saddle - No Fishtailing  
 Drop Worm Feed Type Operation  
 Start Button Safety Interlock  
 Unique Bedway Wipers  
 Precision Ground and Hardened Tailstock Spindle  
 Dual Filtered Lubricating Oil



# SPECIFICATIONS

CAPACITIES		A-14020	A-14030	A-14040
Height of centers		7-1/16"	7-1/16"	7-1/16"
Swing over bed		14"	14"	14"
Swing over cross slide		8-1/4"	8-1/4"	8-1/4"
Distance between centers		20"	30"	40"
HEADSTOCK				
Hole through spindle		1-3/8"	1-3/8"	1-3/8"
Spindle nose		L-0	L-0	L-0
Spindle taper		No. 5 MT	No. 5 MT	No. 5 MT
Center taper		No. 3 MT	No. 3 MT	No. 3 MT
Spindle bearings		Tapered roller	Tapered roller	Tapered roller
SPINDLE SPEEDS				
Number of speeds		6		
		70, 130, 225, 465, 855, 1500 RPM		
THREADS AND FEEDS				
Number of threads		31		
		2, 2-1/4, 2-3/4, 3, 3-1/2, 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 28, 32, 36, 40, 44, 48, 56.		
Additional threads by using change gears furnished		4		
		7-1/2, 11-1/2, 27, 30 -----		
Longitudinal feeds		.0025"-1.42"	.0025"-1.42"	.0025"-1.42"
Cross feeds		.00125"-.071"	.00125"-.071"	.00125"-.071"
Lead screw diameter and pitch		1-3/16"-6	1-3/16"-6	1-3/16"-6
CARRIAGE				
Length on bed		14-1/16"	14-1/16"	14-1/16"
Cross slide travel		4-1/8"	4-1/8"	4-1/8"
Compound rest travel		3-5/16"	3-5/16"	3-5/16"
TAILSTOCK				
Spindle diameter		1-15/16"	1-15/16"	1-15/16"
Center		No. 3 MT	No. 3 MT	No. 3 MT
Spindle travel		3-15/16"	3-15/16"	3-15/16"
Set over		1/2"	1/2"	1/2"
BED				
Width		10-13/16"	10-13/16"	10-13/16"
Depth		9-7/8"	9-7/8"	9-7/8"
Length		53"	63"	73"
MOTOR				
		3 HP	3 HP	3 HP
SHIPPING DATA				
Net Weight		2000 lbs	2420 lbs	2800 lbs
Gross weight		2400 lbs	3000 lbs	3600 lbs
Measurement		90 cft.	110 cft.	120 cft.

## STANDARD EQUIPMENT

Change gears  
Foundation bolts  
3 HP motor and controls  
Automatic feed stop  
L-0 spindle nose  
Thread chasing dial  
Chip and coolant pan  
5-7/8" face plate  
2 - No. 3 MT centers  
No. 5 MT sleeve  
Touch-up paint  
Oil gun  
5 fuse elements  
Tool Box  
T-socket wrench  
3 - double end wrenches  
8 - hex wrenches  
2 - screw drivers  
Test chart  
Operation manual and parts list

## OPTIONAL EQUIPMENT

7-7/8"- 3-jaw chuck  
Steady rest  
Follow rest  
12-5/8" face plate  
Coolant equipment  
Rear tool post  
Chip guard  
Live center  
Taper turning attachment  
One position carriage stop  
six position carriage stop  
Hydraulic tracer unit  
9" - 3-jaw chuck  
8" - 4-jaw chuck

## SUPER WARRANTY

GEARED-HEAD Lathes by Powermatic are manufactured from the finest material with the highest standards of workmanship. Any part found to be defective in material or workmanship, will be replaced free of charge within one and one half years of purchase.

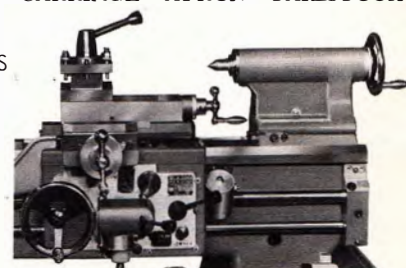
## CARRIAGE - APRON - TAILSTOCK



FRAME AND BEDWAY



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# GEARED-HEAD

# LATHES by POWERMATIC

## OPTIONAL ACCESSORIES

### OPTIONAL ACCESSORIES for 22" SWING - MODEL "B"

22101 - 3-Jaw Chuck with 10" Plate  
22102 - 3-Jaw Chuck with 12" Plate  
22111 - 4-Jaw Chuck with 12" Plate  
22112 - 4-Jaw Chuck with 14" Plate  
22113 - 4-Jaw Chuck with 16" Plate  
22114 - 4-Jaw Chuck with 18" Plate  
22201 - 16-1/2" Face Plate  
22202 - 18-1/2" Face Plate  
22203 - 20" Face Plate  
22204 - 21-5/8" Face Plate  
22205 - 24" Face Plate  
22206 - 25-1/2" Face Plate  
22301 - 8" Steady Rest  
22302 - 12" Steady Rest  
22401 - 4" Follow Rest  
22402 - 7" Follow Rest  
22501 - Coolant Equipment  
22601 - Taper Attachment  
22701 - One Position Stop  
22702 - Micro Stop  
22703 - Turret Stop  
22801 - Live Center (M.T.#5)  
22802 - Feed Stop Bar  
22803 - Work Light

### OPTIONAL ACCESSORIES for 20" SWING - MODEL "B"

20101 - 3-Jaw Chuck with 9" Plate  
20102 - 3-Jaw Chuck with 10" Plate  
20103 - 3-Jaw Chuck with 12" Plate  
20111 - 4-Jaw Chuck with 10" Plate  
20112 - 4-Jaw Chuck with 12" Plate  
20113 - 4-Jaw Chuck with 14" Plate  
20114 - 4-Jaw Chuck with 16" Plate  
20201 - 14-1/8" Face Plate  
20202 - 15" Face Plate  
20203 - 16-1/2" Face Plate  
20204 - 18-1/8" Face Plate  
20205 - 20" Face Plate  
20206 - 21-3/8" Face Plate  
20301 - 4-5/8" Steady Rest  
20302 - 7" Steady Rest  
20303 - 10-5/8" Steady Rest  
20401 - 2-3/8" Follow Rest  
20402 - 7-1/8" Follow Rest  
20501 - Coolant equipment  
20601 - Taper Attachment  
20701 - One Stop Position  
20702 - Micro Stop  
20703 - Turret Stop  
20801 - Live Center (M.T.#4)  
20802 - Feed Stop Bar  
20803 - Work Light

### OPTIONAL ACCESSORIES for 18" SWING - MODEL "B"

18101 - 3-Jaw Chuck with 9" Plate  
18102 - 3-Jaw Chuck with 10" Plate

18103 - 3-Jaw Chuck with 12" Plate  
18111 - 4-Jaw Chuck with 10" Plate  
18112 - 4-Jaw Chuck with 12" Plate  
18113 - 4-Jaw Chuck with 14" Plate  
18114 - 4-Jaw Chuck with 16" Plate  
18201 - 14-1/8" Face Plate  
18202 - 15" Face Plate  
18203 - 16-1/2" Face Plate  
18204 - 18-1/8" Face Plate  
18205 - 20" Face Plate  
18206 - 21-3/8" Face Plate  
18301 - 4-5/8" Steady Rest  
18302 - 7" Steady Rest  
18303 - 10-5/8" Steady Rest  
18401 - 2-3/8" Follow Rest  
18402 - 7-1/8" Follow Rest  
18501 - Coolant Equipment  
18601 - Taper Attachment  
18701 - One Position Stop  
18702 - Micro Stop  
18703 - Turret Stop  
18801 - Live Center (M.T.#4)  
18802 - Feed Stop Bar  
18803 - Work Light

### OPTIONAL ACCESSORIES for 17" SWING - MODEL "B"

17101 - 3-Jaw Chuck with 7" Plate  
17102 - 3-Jaw Chuck with 9" Plate  
17103 - 3-Jaw Chuck with 10" Plate  
17111 - 4-Jaw Chuck with 10" Plate  
17112 - 4-Jaw Chuck with 12" Plate  
17113 - 4-Jaw Chuck with 14" Plate  
17114 - 4-Jaw Chuck with 16" Plate  
17201 - 14" Face Plate  
17202 - 16-1/2" Face Plate  
17203 - 22" Face Plate  
17301 - 4-3/4" Steady Rest  
17401 - 2-1/3" Follow Rest  
17501 - Coolant Equipment  
17601 - Taper Attachment  
17701 - One Position Stop  
17702 - Micro Stop  
17703 - Six Position Stop  
17801 - Live Center (M.T.#4)

### OPTIONAL ACCESSORIES for 14" SWING - MODEL "A"

14101 - 3-Jaw Chuck with 9" Plate  
14111 - 4-Jaw Chuck with 10" Plate  
14201 - 12-1/2" Face Plate  
14301 - 3-1/8" Steady Rest  
14401 - 2" Follow Rest  
14501 - Coolant Equipment  
14601 - Taper Attachment  
14701 - One Position Stop  
14702 - Turret Stop  
14801 - Live Center



# BELT DRIVEN LATHES by POWERMATIC

## 33 Machines

In engine and turret lathe configurations.

No. 3 M.T. Tang Type Tailstock Quill  
Pull-out Chip Pans.

Swings 10" through 14".  
Center distances 22" through 42".  
Bed lengths 43" through 68".



**MODEL 1140011,**  
shown with optional safety shield,  
collet attachment and electrical control.

Infinitely Variable Speed Drives.  
Class 7 Preloaded Ball Bearings.  
Automatic Safety Gears.  
Flame Hardened Bedways  
(Standard on 14" Lathes)  
1 Horsepower through 5 horsepower.  
15/16" through 1-5/8" Hole through Spindle.

OPTIONAL;  
Safety Shields.  
Metric Transposing Gears.

FULL LINE OF OPTIONAL ACCESSORIES

**ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT**

# **GEARED-HEAD**

## **LATHES by POWERMATIC**

**POWERMATIC**  **LOUDAILLE, INC.**  
McMinnville, Tennessee 37110, Telephone (615) 473-5551