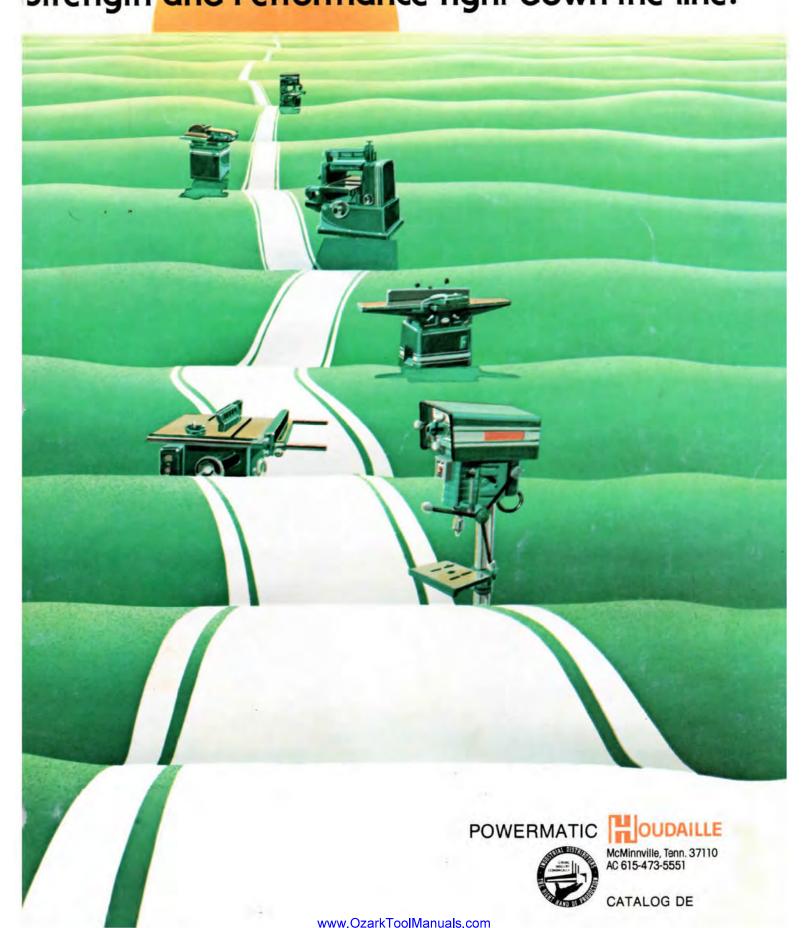
POVERVATIC® Strength and Performance right down the line.



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WARRANTY

This machine and its component parts have been carefully inspected and performance tested at various stages of production and each finished machine is subjected to a final inspection before shipment. Powermatic Houdaille agrees that for a period of eighteen (18) months or 3000 hours of use, whichever occurs first from date of delivery from its authorized dealer to repair or replace, at its option, any machine (or component part thereof) proving defective within the above period, F.O.B. its plant, providing such machine (or component part) is returned prepaid to its plant, or to a designated service center of the undersigned, for its examination. This warranty does not include repair or replacement required because of misuse, abuse, or because of normal wear and tear. Nor does it include electrical motors and electrical components which are warranted by their manufacturer and which should be taken to their local authorized repair station. Cost of removal, shipment and reinstallation are not covered hereby. Further, Powermatic Houdaille cannot be responsible for the cost of repairs made or attempted outside of its factory or designated service center without our authorization. No claims for defects will be honored if Serial No. plate has been removed. THIS WARRANTY IS MADE EXPRESSLY IN PLACE OF ALL OTHER WARRANTIES OR GUARANTEES. EXPRESS OR IMPLIED, WITH RESPECT TO FITNESS, MERCHANTABILITY, QUALITY OR OPERATIVENESS. THIS WARRANTY IS MADE ONLY TO THE ORIGINAL PURCHASER AND BECOMES EFFECTIVE ONLY WHEN THE ACCOMPANYING CARD IS FULL AND PROPERLY FILLED OUT AND RETURNED TO THE FACTORY WITHIN TEN (10) DAYS FROM DATE OF DELIVERY.

POWERMATIC® HOUDAILLE®

OUTSTANDING PERFORMANCE



Exclusive New Power — designed for use with motors from 1½ to 3 HP (1.119 to 2,238 kw)! Three A-Section belts drive blade.

Precision Miter Gauge guarantees true accuracy on even largest stock. Easily adjustable in table T-slots.

Designed for Safety — saw guard and splitter have antikickback pawls. Guard swings away easily for blade change. Super-Smooth Operation —

Super-Smooth Operation heavy-duty, sealed-for-life ball bearings throughout.

Ruggedly Built — heavy-gauge reinforced steel cabinet. Basic parts steel or cast iron.

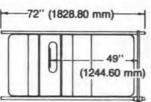


Table with extension sections and 72" (1828.80 mm) rails for cutting 49" (1244.60 mm) to right of saw blade. (OPTIONAL.)



Fence Adjustment Fast and Sure from either side with Vernier control knob and top-reading front guide bar calibrations. Upper knob locks rear of fence. Fence is precision machined cast iron with tubular steel guide bars. Standard guide rails provide 25" (635.00 mm) cut to right of blade.



Individual action of guard sides cover blade during any and all cutting operations.



Overarm guard (optional) with 'hide away' heavy duty splitter.



As blade tilts, overarm guard sides form stationary cage to guard blade.



Wide Stanced Trunnion precision machined from heavy-duty grey iron castings. Maintains perfect alignment for easy handwheel worm-gear adjustment. Exclusive C-flange motor mount relieves weight at trunnion pivot.



Extra Capacity—10" (254.00 mm) blade cuts stock up to 3\%" (79.38 mm) at 90° ranging to 2\%" (53.98 mm) cut at 45° position.



Extra Cut-off Capacity table in front of blade is full 15" (381.00 mm) at 1" (25.40 mm) cut.



Miter Cut Accuracy—miter gauge adjusts easily, extends beyond table for bigger stock.



Added Safety—blade tilts away from fence to guard against possible binding of material against fence

POWERMATIC

MODEL

10" TILTING ARBOR

FEATURES

TABLE: Standard table with extensions measures 28" x 38" (711.20 mm to 965.20 mm), accurately machined and reinforced with ribs to hold a true surface. A 4" (101.60 mm) insert plate provides ample room for removing saw blade or dado head.

T-SLOTS: An excellent safety and accuracy feature, the T-slots prevent miter gauge from falling when making wide cut-off.

ARBOR: The %" (15.88 mm) arbor is mounted in large sealed ball bearings requiring no lubrication and is driven by three A-section belts for maximum power. Arbor tilts away from rip lence for safer operation

SAW BLADE: 10" (254.00 mm) combination saw blade tilts 45" with a 21%" (54.98 mm) cut at this position. At 90° the saw cuts a full 31/4" (79.38 mm) for heavy-duty work.

FENCE: The precision machined, cast iron fence locks on front and back on two tubular guide rails assuring rigid support. Front rail is equipped with an easy-to-read, graduated scale Fence adjustment is accomplished by means of a steel pinion operating in guide rail rack.

SAW GUARD: The rigid saw guard and splitter is fitted with antikickback pawls. Guard swings

MOTOR MOUNT: An EXCLUSIVE new trunnion accommodates a standard C-flange motor which mounts on the saw arm pivot shaft and does not place weight on the saw arm. This type which mounts on the saw arm pivot shaft and does not place weight on the saw arm. of mounting relieves the saw arbor of motor weight, making it very easy to raise and lower saw

POWER REQUIREMENTS: The saw is designed for motors from 2 to 3HP (1, 119 to 2, 238 kw). in either 3 or 1-phase. For light and medium work, 2HP (14 92) is sufficient. For heavy-duty cutting, 3 HP (2.238 kw) is recommended

MODEL 66 BASIC TILTING ARBOR SAWS

1660010—10" Titting Arbor Saw equipped with np fence, miter gauge, 48" (1219.20 mm) guide rails, extension wings, combination blade guard, splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley. Less Motor and Controls.

1660030—10" Titting Arbor Saw, equipped with rip fence, miter guage, 72" (1828.80 mm) guide rails, cast iron extension wings for npping 49" (1244.60 mm) to right of blade, combination blade, blade guard, splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley. Less: Motor Controls.

1660600—10" Titting Arbor Saw, equipped with rip fence, miter guage, 72" (1828.80 mm) guide rails, steef extension wings for ripping 49" (1244.60 mm) to right of blade, combination blade, blade guard, splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley. Less: Motor and Controls.

1660610—Same as 1660010 except with 72" (1828.80 mm) rails in lieu of standard.

1660630-

Same as 1660010 except with 72 (1826.80 mm) rais in led of standard.

Same as 1660030 except with overarm guard in lieu of standard.

Same as 1660600 except with overarm guard in lieu of standard.

Same as 1660010 except with overarm guard in lieu of standard.

Same as 1660010 except with 72" (1828.80 mm) rails and overarm guard in lieu. 1660650of standard

Tilting Arbor Saw equipped with production fence, miter gage, cast iron 1660660extension wings to no 25% to right of blade, combination blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motor and controls

1660670 - 10" Tilting Arbor Saw equipped with production fence, miter gage, cast iron extension wings to rip 47" to right of blade, extension support leg, combination blade, blade guard and splitter with anti-kickback pawls, wrenches, motor cover

and motor pulley less motor and controls.

1660680—10" Tilting Arbor Saw equipped with production lence, miter gage, cast iron extension wings to rip 25 ½" to right of blade, combination blade, overarm blade. extension wings to rip 25 % to right of brade, combination blade, dwerarm blade guard and splitter with anti-kickback pawls, wrenches, belts motor cover and motor pulley less motor and controls.

-10" Tilting Arbor Saw equipped with production lence, miter gage, cast iron extension wings to rip 47" to right of blade, extension support leg, combination blade, overarm blade guard and splitter with anit-kickback pawls, wrenches belts, motor cover and motor pulley less motor and controls.

-10" T.A. Saw with all standard equipment except with gliding table attachment

less left hand extension, motor and controls.

1660720—10" T.A. Saw with all standard equipment except with gliding table attachment,

long extensions, rails and leg less left hand extension, motor and controls, -10" T.A. Saw with all standard equipment except with gliding table attachment and production fence less left hand extension, standard fence, rails, motor and 1660730-

controls.

1660740—10" T.A. Saw with all standard equipment except with gliding table attachment, production tence, long extensions and leg less left hand extension, rails, standard fence, motor and controls

MOTORS FOR USE WITH MODEL 66 T.A. SAWS

2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v, 145TC frame, 6471723-

3 HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v, 145 TC frame, TEFC 6472028-Requires magnetic control 3 Phase

6471719-2HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145 TC frame.

6471720-2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145 TC trame

-3 HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v. TEFC, 145 TC frame

Requires magnetic control -3HP (2:238 kw), 50 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145 TC 6472025frame. Requires magnetic control

CONTROLS FOR USE WITH MODEL 66 T.A. SAWS

2398044 - Magnetic Controls, 115/230v, 2398155 - Pushbutton Switch, 115/230v, (for 2hp motors only)

*2398485 - Magnetic Controls, 115/230v, w/24v transformer 3 Phase

2398051 - Magnetic Controls, 200/230/460/575v

2398154-Pushbutton Switch, 200/230/460/575v (for 2hp motors only) 2398230-JIC Controls, 200/230/460/575v

*2398480 — Magnetic Controls, 200/230/460/575v, w/24v transformer 9100003 — Conduit in lieu of standard wiring

*May be specified with 110v transformer

OPTIONAL ACCESSORIES

2104016—Motor Cover, Wt. 9 lbs. (4.1 kg) 2250116—Blade Guard and Splitter Assembly. Wt. 5 lbs. (2.3 kg) 2250117—Salety-flex Overarm Guard, Wt. 10 lbs. (4.5 kg) 2328002—Dado Insert Plate, Wt. 1 lb. (4.5 kg)

2389001--Steel Extension including rails, for ripping 49" (1244-60 mm) to right of saw. Wt 62 lbs. (28.1 kg).

-Iron Extension including rails, for ripping 49" (1244 60 mm) to right of saw. Wt.

2471009—Miter Gauge Wt. 4 lbs. (1.8 kg). 2471009—Miter Gauge Wt. 4 lbs. (1.8 kg). 2653001—48" (1219 20 mm) Table Rails with mating hardware. 2653002—72" (1828.80 mm) Table Rails with mating hardware for ripping 49" (1244.80 mm) to right of saw. Wt. 62 lbs. (28.1 kg). 2670003—Stop Rods for Miter Gauge, Wt. 1 lb. (45 kg). 2180008—81 (20.3 0 mm) Carl Iron Eventor Miter Gauge. Wt. 1 lb. (45 kg). 2180008—81 (20.3 0 mm) Carl Iron Eventor Miter Gauge.

3186008-8" (203.20 mm) Cast Iron Extension Wing

6077004—Motor Belts (3 required) 4L230 Wt. 8 oz. (.23 kg) 6a 6080041—Combination Saw, %" (15.88 mm) bore. Wt. 1½ lbs (.68 kg) 6080044—Hollow Ground Planer Blade. %" (15.88 mm) bore. Wt. 1½ lbs (.68 kg)

2195021—Production Fence 2397068—42" Extension kit with extensions, production fence and leg 2397069—21" Extension kit with extensions, production fence and leg

2761023—Fence mtg. stock stop 2028081—Gliding table attachment

SPECIFICATIONS

Table with std. extensions

28" x 38" (711.20 mm x 965.20 mm)

Rip fence, box type precision ground 11/2" x 21/2" x 33"

(38.10 mm x 63.50 mm x 838.20 mm) % (15.88 mm) Diameter of arbor 10" (254.00 mm) Diameter of saw blade

Blade tilt . Maximum depth of cul .90° 31%" (79.38 mm) 45° 21%" (53.98 mm) Maximum cut with std. extensions

to right of saw blade , std. fence Maximum width cut-off in .25" (635.00 mm)

front of saw in 1" (25.40 mm) stock

15" (381 00 mm)

Maximum width cut-off in

front of saw in 31/4" (79.38 mm)

1214" (311 15 mm) stock

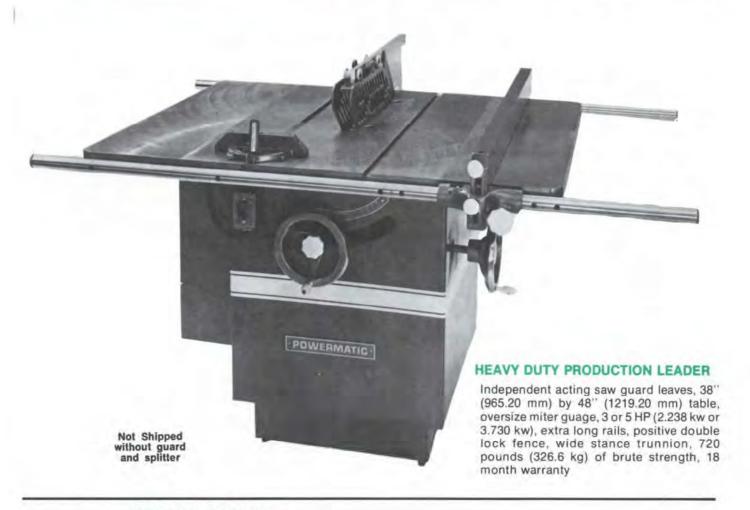
Maximum width of dado 13/16" (20.64 mm) cut Motor power recommended

11/2" to 3 HP (1.119 to 2.238 kw) 3450 RPM (361.28 rad/s)

Speed of saw blade 4000 RPM (418.88 rad/s) Table height

. 34" (863.60 mm) 350 lbs. (158.8 kg) 450 lbs. (204.1 kg) Weight, net less motor Weight, net with motor Weight, domestic crated 500 lb. (226.8 kg) app. with motor Production Fence face 31/2" x 28

Table with Production Fence and std. extensions 28" x 51"



ADDITIONAL FEATURES



 Miter Cut Accuracy—miter gauge adjusts easily, extends beyond table for wide stock.



*Extra Capacity—12" (304.80 mm) blade cuts stock up to 4%" (104.78 mm) at 90° ranging to 2%" (73.02 mm) cut at 45° position at maximum height



Optional Stock Stop—Used for easy repetitive cutting without binding.



* Extra Cut-Off Capacity table in front of blade is full 21" (533.40 mm) at 1" (25.40 mm) cut.



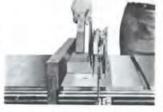
Overarm guard (optional) with 'hide away' heavy duty splitter provides maximum safety.



Individual action of each guard leaf covers balde through entire tilt range. Saw Blade is never exposed to operator.



Fence Adjustment fast and sure from either side with Vernier control knob and top-reading front guide rail calibrations.



Guard completely covers blade on all through cuts from narrow to full capacity.

MODEL

12"TILTING ARBOR

MODEL 68 — 12" T.A. SAW STANDARD EQUIPMENT

12" Powermatic Tilting Arbor Saw, equipped with Rip Fence, Miter Gauge, Guide Rails, Blade Guard, Splitter w/Anti-Kickback Pawls, two Table Extension Wings, three Motor Belts, Arbor

Pulleys, Motor Cover and Combination Saw Blade Less: Motor and Controls.

BASIC MODEL 68 - 12" T.A. SAWS

1680010-12" Powermatic T.A. Saw, with all standard equipment. Less: Motor and Con-

1680030—12" Powermatic T.A. Saw, with all standard equipment, except with 80" (2032 mm) Rails and cast iron extensions, for ripping 49" (1244.60 mm) to right of saw

blade. Less: Motor and Controls 1680050—Same as 1680010 except with overarm guard in lieu of standard 1680060—Same as 1680030 except with overarm guard in lieu of standard

1680070—12" Tilting Arbor Saw equipped with production lence, miter gage, cast iron extension wings to np 32" to right of blade, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motor and controls.

1680080—12" Tilting Arbor Saw equipped with production fence, miter gage, cast iron extension wings to rip 43" to right of blade, extension support leg, blade guard and splitter with anti-kickback pawls, wrenches, belts motor cover and motor

and splitter with anti-kickback pawis, wrenches, belts motor cover and motor pulley less motor and controls.

-12" Tilting Arbor Saw equipped with production fence, miter gage, cast iron extension wings to rip 32" to right of blade, overarm guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motor

and controls. 1680100-12" Tilting Arbor Saw equipped with production fence, miter gage, cast iron

extension wings to rip 43" to right of blade, overarm guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motor and controls

1680120-12" Powermatic T.A. Saw with all standard equipment except with gliding table

attachment less left hand extension, motor and controls.

1680130—12" Powermatic T.A. Saw with all standard equipment except with gliding table attachment and long cast iron extensions, rails, and leg less left hand extension, motor and controls.

1680140—12" Powermatic T.A. Saw with all standard equipment except with gliding table attachment and production fence less left hand extension, standard fence, rails motor and controls.

1680150—12" Powermatic T.A. Saw with all standard equipment except with gliding table attachment, production fence, long cast iron extensions and leg less left hand extension, rails, standard fence, motor and controls

1680160-Same as 1680010 except with 80" rails.

CONTROLS FOR USE WITH MODEL 68 T.A. SAWS

1 Phase Magnetic Controls, 115/230v 2398496-Magnetic Controls, 115/230v, w/24v transformer

3 Phase 2398230-JIC Controls 200/230/460/575v 2398323—Magnetic Controls, 200/230/460/575v.

*2398468—Magnetic Controls, 200/230/460/575v. w/24v transformer 9100003—Conduit in lieu of standard wiring.

MOTORS FOR USE WITH 12" T.A. SAW

1 Phase -3HP (2, 238 kw), 60 Hz, 3600 RPM (376, 99 rad/s), 230v TEFC, 145TC frame 6472028-6472024-3HP (2 238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145TC frame. 6472025-3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145TE frame 6472307-SHP (3 730 kw), 60 Hz, 3600 RPM (376 99 rad/s), 230/460v, TEFC, 184C frame 6472327-5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 184C frame

OPTIONAL ACCESSORIES

2028082-Gliding table attachment. 2104031-Motor cover 2195009-31/2" (88.90 mm) Aluminum fence. Wt. 20 lbs. (9.1 kg). 2195021-Production Fence. 2250113-Blade guard and splitter assembly. Wt. 5 lbs. (2.3 kg). 2250115-Safety-flex overarm guard. Wt. 10 lbs. (4.5 kg). 2328018-Dado insert plate. Wt. 1 lb. (.45 kg).

2389002-Iron extensions, including rails for ripping 49" (1244.60 mm) to right of saw blade. Wt. 170 lbs. (77.1 kg).

2471005-Miter gauge. Wt. 4 lbs. (1.8 kg). 2653003-80" (2032 mm) Table rails with mating hardware for ripping 49" (1244.60 mm) to right of saw blade. 62 lbs. (28.1 kg). Fence mtg. stock stop. 6077004-Motor belts (3 required) 4L230. Wt. 8 oz. (.23 kg) each. 6080129-12" (304.80 mm) Combination saw, %" (15.88 mm) bore. Wt. 11 lbs (.68 kg). 6080130-12" (304.80 mm) Rip saw, %" (15.88 mm bore. Wt. 11/2 lbs (.6

-12" (304.80 mm) Hollow ground planer blade, %" (15.88 mm bore. Wt. 11/2 lbs. (.68 kg).

Table height Table size with extension wings	35" (889.00 mm)
Arbor diameter	.38 x 48" (965.20 mm x 1219.20 mm)
Saw blade diameter	12" (304.80 mm)
Blade tilt (left only) Maximum depth of cut Maximum rip to right of blade with	4½" (104.78 mm)
standard extensions	

Maximum rip to left of blade with	244	
standard extensions, standard fence	24"	(609.60 mm)
Maximum np to right of blade with		
long extensions, standard fence		1270.00 mm)
Maximum width of dado		
Cabinet size		
23%" x 25%" (606.42 mm x 644.52 mm)		
Shipping weight, with		
motor		s. (35.15 kg)





*Miter Cut Accuracy—miter gauge adjusts easily, extends beyond table for wide stock.



*Extra Capacity—14" (355.60 mm) blade cuts stock up to 5%" (130.18 mm) at 90° ranging to 3%" (92.08 mm) cut at 45° position at maximum height.



*Extra Cut-Off Capacity table in front of blade is full 21" (533.40 mm) at 1" (25.40 mm) cut.



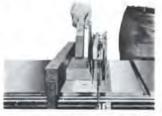
Overarm guard (optional) with 'hide away' heavy duty splitter provides added safety.



Individual Action of each guard leaf covers blade through entire tilt range. Saw Blade is never exposed to operator.



Fence Adjustment Fast and Sure from either side with Vernier control knob and top-reading front guide rail calibrations.



Hide-away Guard completely covers blade on all through cuts from narrow to full capacity.

^{*}Shown with guard removed for illustration purposes only.

MODEL

12"-14" TILTING ARBOR SAW

12"-14" T.A. SAW STANDARD EQUIPMENT

12"-14" Tilting Arbor Saw: Rip Fence, Miter Gauge, Guide Rails, Blade Guard, Splitter with Anti-Kickback Pawls, Two Table Extension Wings, Four Motor Belts, Arbor, Motor Cover and Pulleys. Less: Motor, Controls and Saw Blade.

BASIC 12"-14" T.A. SAWS

1720120—12"-14" Powermatic Tilting Arbor Saw, with all standard equipment Less, Motor, Controls and Saw Blade.

1720150 —12 "-14" Powermatic Tilting Arbor Saw, with all standard equipment, except with cast iron Extensions and 80" Rails for ripping 49" to right of saw blade. Less: Motor, Controls, Saw Blade.

Same as 1720120 except with overarm guard in lieu of standard 1720170-Same as 1720150 except with overarm guard in lieu of standard

-12'-14' Tilting Arbor Saw equipped with a production tence, miter gauge, cast iron extension wings to rip 32' to right of blade, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor

cover and motor pulley less motor and controls -12"-14" Tilting Arbor Saw equipped with a production fence, miter gauge, cast iron extension wings to rip 43" to right of blade, extension support leg, blade guard and splitter with anit-kickback pawls. wrenches, belts, motor cover and motor pulley less motor and con-

1720200--12"-14" Tilting Arbor Saw equipped with a production fence, miter gauge, cast iron extension wings to rip 32" to right of blade, overarm blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motor and controls

Tilting Arbor Saw equipped with a production fence, miter gauge, cast iron extension wings to rip 43" to right of blade, extension support leg, overarm guard and splitter with anti-kickback pawls,

wrenches, belts, motor cover and motor pulley less motor and controis

-12"-14" Powermatic Tilting Arbor Saw with all standard equipment 1720230except with gliding table attachment less left hand extension, motor,

controls and saw blade -12"-14" Powermatic Tilting Arbor Saw with all standard equipment 1720240except with gliding table attachment long cast iron extensions, ralls and leg for cutting 49" to right of blade less left hand extension,

motor, controls and saw blade. -12"-14" Powermatic Tilting Arbor Saw with all standard equipment except with gliding table attachment and production fence less left hand extension, standard fence, rails, motor, controls, and saw

1720260-12"-14" Powermatic Tilting Arbor Saw with all standard equipment except with gliding table attachment, production fence, long cast iron extensions and leg less left hand extension, standard fence, rails, motor, controls and saw blade

1720270-Same as 1720120 except with 80" rails

MOTORS FOR USE WITH 12"-14" T.A. SAWS

6472028-3HP (2 238 kw) 60 Hz. 3600 RPM (376.99 rad/s), 230v TEFC, 145TC trame

3 Phase

-5HP (3 730 kw), 60 Hz, 3600 RPM (376 99 rad s) 230 460v. TEFC 6472307

184C frame 5HP (3.730 kw), 60 Hz, 36000 RPM (376, 99 rad/s) 200v, TEFC, 184C

-712HP (5 595 kw), 60Hz, 3600 RPM (376 99 rad/s), 230 460v, TEFC,

184C frame.

6472511-716HP (5.595 kW), 60Hz, 3600 RPM (376 99 rad s), 200v, TEFC 184C frame

MOTOR RECOMMENDATIONS

3.5 or 71/2HP (2.238, 3.720, 5.595 kw) for 12" (304.80 mm) T.A. Saws, 71/2HP (5.595 kw) for 14" (355.60 mm) T.A. Saws

CONTROLS FOR USE WITH MODEL 72 T.A. SAWS

1 Phase

2398334-Magnetic Controls, 115/230v

*2398496-Magnetic Controls, 115/230v, w/24v transformer

3 Phase

2398230-JIC Controls, 200/230 460/575v

2398332-Magnetic Controls, 200 230 460 575v

2398468-Magnetic Controls, 200 230 460 575v, w 24v transformer

9100003-Conduit in lieu of standard wiring

*May be specified with 110v transformer

SPECIFICATIONS

Table Height Table size, with extension wings	35 (889 00 mm)
A STATE OF THE PARTY OF THE PAR	38" x 48" (965.20 mm x 1219.20 mm)
Saw Blade diameter	12 (304 80 mm) or 14" (355 60 mm)
Maximum depth of cut, 12" (304.80 r	mm) blade, 90" 41/e" (104.78 mm)
Maximum depth of cut, 14" (355.60 r	mm) blade 90°
	E16 (120 10 mm)

(14 (355 60 mm) blade is 1 (15 88 mm) above table top at lowest position.)

Maximum rip to right of blade, with st	andard extensions	30 (762	00
Maximum rip to left of blade, with star	ndard extensions	30 (/02	ou mini)
		24 (609	60 mm)
Maximum np to right of blade, with lo	ng extensions	San Cara	
		50 (1270	(mm) 00.
Maximum width of cut-off, 1' (25.40)	mm) stock	21" (533	
Maximum width of cut-off, 51/8 (130)	18 mm) stock	17 (431	80 mm)
Maximum width of dado		1 (25	40 mm)
Cabinet size	26" x 30" (660 40	mm x 762	(mm 00
Shipping Wt., with motor		920 lbs (4	17.3 kg)

OPTIONAL ACCESSORIES

2028082—Gliding table attachment, 2104016—Motor cover, Wt. 9 lbs. (4.1 kg), 2250154—Blade Guard and Splitter Assembly, Wt. 5 lbs. (2.3 kg),

2250115—Safety-Flex Overarm Guard Assembly Wt. 10 lbs. (4.5 kg). 2328018—Dado Insert, with leveling screws. Wt. 1 lb (.45 kg). 2328019—Table Insert, with leveling screws. Wt. 1½ lbs. (.68 kg)

2389002-

(1244.60 mm) to right of saw blade .(std. fence) 2670003—Stop Rods for Miter Gauge. Wt. 1 lb. (4.5 kg).

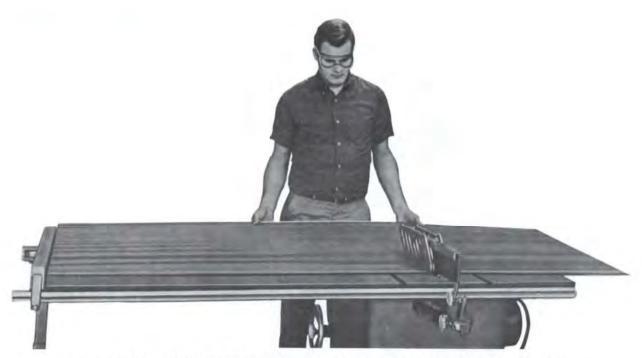
6077047 — Motor Belts (4 required) 3V-250 Wt. 8 oz (.22 kg) 6080048 —12" (304.80 mm) Combination Saw Blade, 1" (25.40 mm) bore. Wt 1% lbs (.8 kg)

6080050-12" Ripping blade 6080051-12" Hollow Ground Planer Blade 1" (25.40 mm) bore. Wt. 11/2 lbs.

6080119-14" (335.60 mm) Combination Saw Blade, 1" (25.40 mm) bore Wt. 21/4 lbs. (1.0 kg)

14" (355 60 mm) Hollow Ground Planer Saw Blade, 1" (25 40 mm) bore, Wt. 21/4 lbs. (1.0 kg).

-Production Fence 2761025-Fence mig. stock stop



SOLID CAST IRON EXTENSIONS: (Optional) Provide unequaled accuracy for precision cutting of wide panels,—up to 49" (1244.60 mm) to the right of saw blade. NOT grillwork or wood extensions, but cast iron, the same type construction as the table top.



ADDED SAFETY: Blade tilts to left, away from Rip Fence, eliminates binding of material between blade and fence, thus helping to prevent "kickback" tendencies.

On miter cuts, simply move the gauge to the right hand T-slot to obtain maximum safety.

NOTE: Guard removed for illustration purposes only.

All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.





Scoring
The first American made saw to feature scoring—

minimizes panel chipping.



Production fence-

Precision ripping is assured with this rigid, and accurately adjusted rack and pinion fence.



Standard fence-

Fence Adjustment Fast and Sure from either side with Vernier control knob and topreading front guide rail calibrations.



Miter gauge-

*Miter Cut Accuracy—miter gauge adjusts easily, extends beyond table for wide stock.



GUARD

Guard hold down—a unique spring loaded hold down prevents panel lift by the blade during scoring operations.



Extra Capacity

Overarm guard (optional) with hide away heavy duty splitter provides added safety.

*SHOWN WITH GUARD REMOVED FOR ILLUSTRATION PURPOSES ONLY

BASIC MACHINES

1740010—12"-14" Scoring Tilting Arbor Saw equipped with a rip fence, miter gauge, cast iron extensions, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motors and controls.

1740020—12"-14" Scoring Tilting Arbor Saw equipped with a rip fence, miter gauge, cast iron extensions for ripping 50" to right of blade, extension support leg, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motors and controls.

1740030—12"-14" Scoring Tilting Arbor Saw equipped with a rip fence, miter gauge, cast iron extensions, overam blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motors and controls.

1740040—12"-14" Scoring Tilting Arbor Saw equipped with a rip fence, miter gauge, cast iron extensions for ripping 50"to right of blade, extension support leg, overarm blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motors and controls.

1740050—12"-14" Scoring Tilting Arbor Saw equipped with a production fence, miter gauge, cast iron extensions for ripping 32" to right of blade, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motors and controls.

1740060—12"-14" Scoring Tilting Arbor Saw equipped with a production fence, miter gauge, cast iron extensions for ripping 32" to right of blade, extension support leg, overarm blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motors and controls.

1740070—12"-14" Scoring Tilting Arbor Saw equipped with a production fence, miter gauge, cast iron extensions to rip 43" to right of blade, overarm blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motors and controls.

1740080—12"-14"Scoring Tilting Arbor Saw equipped with a production fence, miter gauge, cast iron extensions to rip 43" to right of blade, extension leg support, overarm blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and motor pulley less motors and controls.

1740100—12"-14" Scoring T.A. Saw equipped with rip fence, miter gauge, R.H. cast iron extension, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and pulley and gliding table attachment less left hand extension, motor and controls.

1740110—12"-14" Scoring T.A. Saw equipped with rip fence, miter gauge. long cast iron R.H. extensions, rails, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and pulley, and gliding table attachment less left hand extension, motor, and controls.

1740120—12"-14" Scoring T.A. Saw equipped with production fence, miter gauge, R.H. cast iron extension, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and pulley, and gliding table attachment less left hand extension, pawls, motor and controls.

1740130—12'-14" Scoring T.A. Saw equipped with production fence, miter gauge, long R.H. cast iron extensions, blade guard and splitter with anti-kickback pawls, wrenches, belts, motor cover and pulley, and gliding attachment less left hand extension, rails, motor, and controls.

MOTORS -

1 Phase 6472028—3HP (2,238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v TEFC, 145TC frame.

3 Phase 6472307—5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s) 230/460v, TEFC, 184C frame

6472327—5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s) 200v,TEFC, 184C

6472504 — 71/2HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 184C frame.

6472511—7½HP (5.595 kw), 60Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 184C frame

MOTOR RECOMMENDATIONS

3.5 or 7½HP (2.238, 3.720, 5.595 kw) for 12" (304.80 mm) T.A. Saws 7½HP (5.595 kw) for 14" (355.60 mm) T.A. Saws

CONTROLS -

1 PH (230 Volts only) 2398535—Magnetic controls 230V

*May Be Specified With 110V Transformer

3 PH

2398536—Magnetic controls 200/230/460/575V

*2398537-Magnetic Controls 200/230/460/with 24V trans-

former

9100002-conduit in liew of standard wire

Note: Scoring Motor Included With Magnetic Controls

Table Height	
Table size std. extensions	38 x 48 (965.2 mm x 1219.2 mm)
Table size long extensions	
Arbor Diameter	1" (25.4 mm)
Diada Tilt (loft anhi)	12" (304.8 mm) or 14" (355.6 mm)
Max depth of cut 12" (304.8 mm) b	lade 90° 4 1/8" (104.78 mm)
Max depth of cut 14" (355.6 mm) b	lade 90°
14" (355.6 mm) blade is 5/8" (15.88	mm) Above the table at lowest position

A V. (1) 100 F	
Standard fence surface 3 1/4" (82.5	5 mm) x 43 / 8 (1114.42 mm)
Max rip cut to right of blade std. fence and e	xtensions 30" (762 mm)
Max rip cut to right of blade std. fence and li	ing extensions .50" (1270 mm)
May width of cutoff 1" (25.4 mm) stock	21" (533.4 mm)
Max width of cutoff 5 1/8" (130.18 mm) sto	ck 17 (431.8 mm)
Max width of dado	1 25.4 mm)
Shipping wt. with motors and contorls std. n	achine 1000 lb (451 kg)
Shipping wt with Pan'l Handler, motor and o	ontrols 1500 lb. (676.5 kg)
Production fence surface 3 1/2	" (88.9 mm) x 28" (711.2 mm)
Production fence travel	8" (203.2 mm)

OPTIONAL ACCESSORIES-

2028082-Gliding table attachment

2104016-Motor cover

2195009-Std. fence wt. 25 lbs (11.3 kg)

2250113—Blade guard and splitter assembly (wt. 5 lbs) (7.3 kg)

2250115—Safety-flex overarm guard assembly wt. 10 lbs (4.5 kg)

2328022-Dado insert with leveling screws 1 1/4 lb (.57 kg)

2328021-Std. insert with leveling screws 1 3/4 lb (.79 kg)

2389002-Cast iron extensions with 80" (2032 mm)

2195021-Production fence

2761025-Fence mtg. stock stop

6080120—14" (335.6 mm) Flat Ground Cutoff Saw blade 1" (25.4 mm) bore wt. 2 1/4 lbs (1.0 kg)

6080122—14" (335.6 mm) Hollow Ground Planer Saw Blade 1" (25.4 mm) bore wt. 2 1/4 lbs (1.0 kg)

6080138—12" (305 mm) 72T Combination Carbide Tipped Saw Blade 1" (25.4 mm) bore .118 (3 mm) kerf

6080139—3 15/16 diameter (100 mm) 20T Adjusting Carbide Tipped Scoring Blade 7/8 approximate bore (22 mm) kerf width 102 (2.6 mm) to 142 (3.6 mm)

2653003—80" Table Rails with mating hardware for ripping 50" (1270 mm) to right of saw blade

2670003-Stop rods for miter gage

6077047-Main motor belt (4 reg.) 3V-250 wt. 8 oz. (.22 kg)

6077165-Scoring motor belt, 7M950 wt. 2 oz.

6080048—12" (304.8 mm) Combination Blade 1" (25.4 mm) bore wt. 1 3/4 lb (.8 kg)

6080119—14" (335.6 mm) Combination Blade 1" (25.4 mm) bore wt. 2 1/4 lb (1.0 kg)



Solid cast iron extensions: (Optional) Provide unequaled accuracy for precision cutting of wide panels,—up to 49" (1244.60 mm) to the right of saw blade. NOT grillwork or wood extensions, but cast iron, the same type construction as the table top.



Production fence— Precision ripping is assured with this rigid, and accurately adjusted rack and pinlon fence.



Overarm guard (optional) with hide away heavy duty splitter provides added safety.

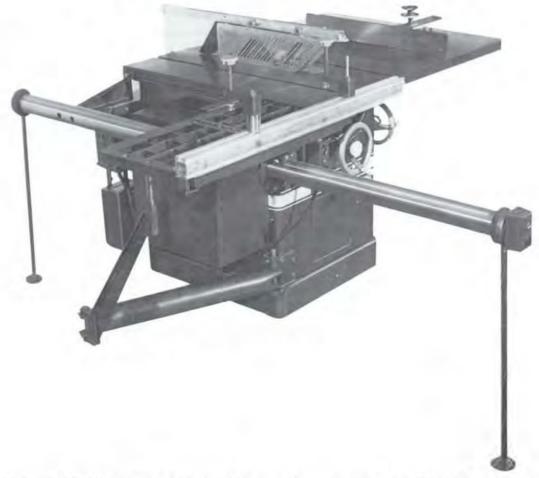
BLADES





AND NOW. . .

Powermatic 's answer to ordering your Gliding Table Attachment



The new Gliding Table Attachment is designed to provide outstanding versatility for woodworking operations. Attachment fits new and old saws alike. Standard equipment includes: cast iron table, miter/cross cut fence with adjustable clamp and stock stop, 3" dia. (76.2 mm) guide rail, supporting legs, articulating arm and all necessay mounting hardware.

FEATURES .

GUIDE RAIL: The large 3" (76.2 mm) diameter x 87" (2209.8 mm) guide rail is supported by legs at front and rear providing extra rigidity for added stability when cutting large panels.

GUIDE RAIL MOUNTS: Heavy cast iron guide rail mounts position guide rail 12%" (314.3 mm) to the left of the main table adding rigidity by centrally supporting the slide table. Precision machined mounts automatically align rail to miter slot. Rail extension provides convenient operator access to saw.

TABLE GUIDE: Includes six (6) preloaded bearings assuring smooth operation and 'glide-in' accuracy.

SET UP: Assembly & alignment are relatively quick and easy.

FENCE: The extruded aluminum fence permits one or more clamps to be positioned along the entire length of the fence. Fence is fully adjustable 45° left or right, and may be face mounted for 90° cross-cutting.

FENCE SCALE is graduated in one degree increments for accurate cross-cut and miter operations.



GLIDING TABLE ATTACHMENT

TABLE CARRIAGE LOCK permits the sliding table to be used as a conventional table extension when performing any standard operation.

CUT-OFF & MITER CAPACITY: The long guide rail permits cut-off and 45° miter cuts on 48" wide panels,

UNIVERSAL MOUNTING: The Gliding Table Attachment is designed for right or left hand mounting. It may be easily retrofitted to similar saws manufactured by others.

STOCK STOP is included as standard equipment for repetitive cutoff operations.

- SPECIFICATIONS -

Gliding Table Attachment

66

68, 72 & 74

Rail diameter Rail Length Sliding Table (Cast Iron)

Fence

Table Travel Fence position Scale graduations Stock clamp capacity Edge of table to rail Stock support (optional accessory)

Maximum width of cutoff Maximum width miter (45°)

3" (76.2 mm) 87" (2209.8 mm) 16" x 29 7/8" x 1 3/8" (406.4 x 758.8 x 34.9 mm) 1 3/4" x 2 1/2" x 42" (44.4 x 63.5 x 1066.8 mm) 70 3/4" (1797 mm) 45° (either direction) 1º increments 3 1/8" (79.4 mm) 12 3/8" (314.3 mm) 1/2" x 11/2" x 24" (12.9 x 38.1 x 609.6 mm) 57" (1447.8 mm) (w/10" blade) 72" (1828.8 mm) (3/4" thickness. w/10" blade)

3" (76.2 mm) 87" (2209.9 mm) 16" x 29 7/8" x 1 3/8" (406.4 x 758.8 x 34.9 mm) 1 3/4" x 2 1/2" x 42" (44.4 x 63.5 x 1066.8 mm) 70 3/4" (1797 mm) 45° (either direction) 1° increments 5 1/8" (79.4 mm) 12 3/8" (314.3 mm) 1/2" x 1 1/2" x 24" (12.9 x 38.1 x 609.6 mm) 54" (1447.8 mm) (w/12" blade) 72" (1828.8 mm) (3/4" thickness, w/12" blade)

- HOW TO ORDER -

COMPLETE SAWS WITH GLIDING TABLE ATTACHMENT (Less Motor & Controls)*

1660710* 66 T.A. Saw, 10" with std. guard, std. cast iron ext., 48" rails & Gliding Table Attachment. 1660720" 66 T.A. Saw, 10" with std. guard, 49" cast iron ext., 72" rails & Gliding Table Attachment. 1660730* 66 T.A. Saw. 10" with std. guard, prod. fence, 55" table & Gliding Table Attachment. 1660740* 66 T.A. Saw. 10" with std. guard, prod. fence, 35" table & Gliding Attachment. 68 T.A. Saw, 12" with std. guard, st. cast iron ext., 64" rails & Gliding Table Attachment. 1680130" 68 T.A. Saw, 12" with std. guard, 49" cast iron ext., 80" rails & Gliding Table Attachment. 1680140* 68 T.A. Saw, 12" with std. guard, prod. fence, 51" table & Gliding Table Attachment. 1680150* 68 T.A. Saw, 12" with std. guard, prod. fence, 62" table & Gliding Table Attachment. 1720230* 72 T.A. Saw, 12"-14" with std. guard, std. cast Iron ext., 64" rails & Gliding Table Attachment. 1720240* 72 T.A. Saw, 12"-14" with std. guard, 49" cast Iron ext., 80" rails & Gliding Table Attachment. 72 T.A. Saw, 12"-14" with std. guard, prod. fence, 51" table & Gliding Table Attachment. 72 T.A. Saw, 12"-14" with std. guard, prod. fence 62" table & Gliding Table Attachment. 1720260* 1740100 74 T.A. Saw, scoring, 48" table, std. guard, 64" rails & Gliding Table Attachment. 1740110 74 T.A. Saw, scoring, 49" cast iron ext., std. guard, 80" rails & Gliding Table Attachment. 74 T.A. Saw, scoring, 51" table, std. guard, prod. fence & Gliding Table Attachment. 74 T.A. Saw, scoring, 62" table, std. guard, prod. fence & Gliding Table Attachment. 1740130

RETROFIT KITS -

2028081 Gliding Table Attachment for model 66 T.A. Saw 2028082 Gliding Table Attachment for models 68, 72 and 74 T.A. Saws

-OPTIONAL ACCESSORIES -

2092010 Stock clamp (For 66 T.A. Saw) 2092011

Large stock clamp (For 66, 68, 72, 74 T.A. Saws)

2040038 Adjustable stock support assembly 2398543** Remote pushbutton station

[&]quot;See catalog for motors and controls.

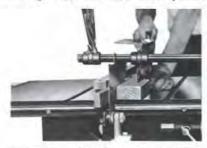
[&]quot;Standard with factory installed magnetically controlled saws. List as a line item.



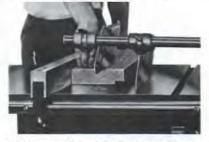
SAFETY FLEX GUARD AND BLADES

Powermatic Safety Flex. . . a guard so unique it need never be removed from the machine. Guard leaves swing independent of each other such that on uneven or close-to-fence ripping the blade is well guarded. A see-through top enables the operator to follow pre-

scribed lines accurately. A heavy-duty splitter, with anti-kickback pawls, swings easily out of the way for dado, rabbeting and moulding operations. This guard is easily installed on any Powermatic Tilting Arbor Saw Model.



Independent action of guard leaves permit operator to rip thin stock with protection from the saw blade.



Maximum safety with rabbet or moulding cuts. Protection is provided by swinging guard leaves a see-through visor on top of guard.



Hide away splitter swings out of the way behind saw when not required for dado operations.

SAFETY GUARD LISTINGS

2250115—Safety Flex Guard complete with splitter and anti-kickback pawls for Model 68, 72 & 74 Saws. 2250117—Safety Flex Guard complete with splitter and anti-kickback pawls for Model 66 Saw. 2250120—Safety Flex Guard complete with splitter and anti-kickback pawls for Model 62 Saw.

TILTING ARBOR SAW ACCESSORIES



HOLLOW GROUND PLANER BLADE #6080044 for #66 Saw #6080051 for #72 Saw #6080132 for #68 Saw



#60 COMBINATION BLADE #6080041 for #66 Saw #6080048 for #72 Saw #6080129 for #68 Saw



RIPSAW BLADE #6080043 for #66 Saw #6080050 for #72 Saw #6080130 for #68 Saw

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WARRANTY

(SEE INSIDE FRONT COVER CATALOG DE)



CHOICE OF VARIABLE-SPEED OR FOUR-SPEED MODELS!

Another pace setting achievement of Powermatic® engineering. The Model 95 SCROLL SAW is unsurpassed in quality, features, and all around ruggedness. Designed and produced by popular demand, this 24" (609.60 mm) unit is ideally suited to cabinet, school and pattern shops. Use it as a jig saw, saber saw or filing machine . . . and get more value, more use, and greater accuracy at less cost. Constructed of cast iron and steel, the Model 95 — 24" (609.60 mm) Scroll Saw is engineered to minimize distortion.



BLADE GUIDE—This hardened steel guide and roller assembly maintains perfect alignment and blade support. Note heavy duty spring hold-down, Tilts for support on all angle cuts.



LOWER CHUCK—Another POWERMATIC first. This steel chuck guarantees positive grip for all blades.



DEPTH OF CUT—Cuts up to 1¾" (44.45 mm) thick. Will rip to center of 48" (1219.20 mm) panel. Just remove cast iron arm for saber work on large panel.



VARIABLE SPEED—is ideally suited for cutting all materials. Adjustment accomplished through conveniently located hand-wheel. (Customer's option)

FEATURES

FRAME: Rugged two-piece cast iron base and overarm, precision machined and distortion free. Over-arm removable for use as saber saw.

GUARD: Pressed steel belt guard completely houses

DRIVES AVAILABLE: Four speed, Step pulley drive, or

Variable Speed for infinitely variable speeds. **TABLE:** Massive 14" x 15" (355.60 mm x 381.00 mm) table of finest cross ribbed grey iron castings, machine-ground to precision tolerance. Table tilts 45° right, 15° left for normal cutting and turns 90° for ripping & saber blade use.

BLOWER: Standard equipped with chip blower which directs a steady stream of air to cutting area, keeping work free of sawdust.

CRANKSHAFT: Ball bearing crankshaft is automatically lubricated by splash system in oil tight crankcase. TRUNNION: A heavy duty double trunnion guarantees absolute rigidity and positive lock in all positions. HEAD: A special cast aluminum head assures long life

and trouble free operation.

SPRING: A heavy tension spring over the saw blade is adjustable to blade type and type of cut.

STANDARD EQUIPMENT

SCROLL SAW: (variable or 4-speed) Pulleys, belt, belt guard, chipblower, 4-way table, saber blade, 3 scroll saw blades and set of wrenches -Less motor, controls and stand.

MODEL 95 BASIC MACHINES

-24" Scroll Saw with standard equipment, 4-speed). Less: Motor, Controls and Stand

1950070-24" Scroll Saw with standard equipment for variable speed. Less: Motor, Controls and Stand.

MOTORS FOR USE WITH MODEL 95 SCROLL SAW

-½ HP (.249 kw), 60 Hz, 1800 RPM (188.5 rad/s), 115/230v, TEFC, 56 frame. 6470203 -

3 Phase

1/s HP (.249 kw), 60 Hz, 1800 RPM (188.5 rad/s), 200v, TEFC, 56 Frame 6470208

6470215 1/3 HP (.249 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460v, TEFC. 56 Frame

CONTROLS FOR USE WITH MODEL 95 SCROLL SAW

1 Phase

2398214 - Pushbutton Switch, 115/230v.

2398378 — Magnetic Controls, 115/230v. 2398490 — Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

2398213-Pushbutton Switch, 200/230/460/575v.

2398215-Magnetic Controls, 200/230/460/575v, w/24v transformer. 2398230-JIC Controls, 200/230/460/575v. (For wall mount only).

2398484-Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100003-Conduit in lieu of standard wiring.

OPTIONAL ACCESSORIES

2085002 — Lower Blade Chuck Assembly. Wt. 1 lb. (.45 kg). 2085003 — Upper Blade Chuck Assembly. Wt. 1 lb. (.45 kg). 2253041 — Saber Blade Guide, Wt. 4 ozs. (.11 kg). 2404001 — Variable Speed Assembly Kit. Wt. 3 lbs. (1.36 kg)

2640007 - Upper Blade Tension Assembly, Wt. 1 lb. (.45 kg)

2759014—Stand. Wt. 41 lbs. (18.6 kg) 3250050—Belt Guard. Wt. 3 lbs. (1.36 kg)

6077011 — V Belt, Variable Drive, 4L350. Wt 8 oz. (.23 kg) 6077013 — V Belt, 4-speed Drive, 4L370. Wt. 8 oz. (.23 kg) 6448005 — Work Lamp. Wt. 10 oz. (.28 kg)

SPECIFICATIONS .

Table from floor .42¼" (1073.15 mm)

Overall Height .54½" (1384.30 mm)

Var. Speeds807 to 1653 CSM

All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.



GET MAXIMUM USAGE AND VALUE FROM YOUR SCROLL SAW BY **SELECTING AND USING THE** RIGHT BLADE FOR EVERY JOB!

BLADE SELECTION CHART

STOCK NO.	MATERIAL TO CUT	TYPE OF BLADE	THICK- NESS INCHES	WIDTH	TEETH PER INCH
6080068	Steel, Iron, Lead, Copper, Aluminum, Pewter, Asbestos, Paper and Felt.	Jig	.020	.070	32
6080067		Jig	.020	.070	20
6080065	Steel, Iron, Lead, Copper, Brass, Aluminum,	Jewelers	.020	.070	15
6080072	Pewter, Asbestos and Wood.	Jig	.020	.110	20
6080069	Asbestos, Brake Lining, Mica, Steel, Iron,	Jig	.028	.250	20
6080056	Lead, Copper, Brass, Aluminum and Pewter.	Saber	.028	.250	20
6080061	Plastic, Celluloid, Hard Rubber, Bakelite, Ivory and Wood.	Fret	.010	.070	14
6080058	Plastics, Celluloid, Hard Rubber, Bakelite, Ivory and Wood.	Fret	.017	.043	18
6080059		Fret	.019	.055	12
6080060		Fret	.020	.070	7
6080062		Fret	.020	.110	7
6080071	Wall Board, Pressed Wood, Wood, Lead, Bone, Felt, Paper, Copper, Ivory and Aluminum.	Jig	.020	.110	15
6080070	Hard and Soft Wood.	Jig	.020	.110	10
6080054		Jig	.028	.187	10
6080055		Saber	.028	.187	10
6080057		Saber	.028	.250	7
6080064	Pearl, Pewter, Mica, Pressed	Jewelers	.016	.054	30
6080063	Wood, Sea Shells, Jewelry, Metals,	Jewelers	.016	.054	30
6080066	Hard Leather.	Jig	.020	.070	15

Warranty

(SEE INSIDE FRONT COVER CATALOG DE)



Designed to produce high quality work for furniture, cabinet, reproduction and sash and door plants, the Model 26 Spindle Shaper is a rugged, dependable, multipurpose tool constructed to accommodate four interchangeable spindles and a 1" (25.40 mm) solid spindle for extra heavy duty work. The shaper spindle features a 3" (76.20 mm) vertical adjustment controlled by a convenient front mounted hand wheel. A large 28" x 291/2" (711.20 mm x 749.30 mm) precision ground, cast iron table is mounted on an enclosed steel stand.



PRECISION FENCE — Fully adjustable or removable for any and all shaping operations, this precision machined fence assembly guarantees rigidity, accuracy and ease of adjustment.



SAFETY RING GUARD—standard ring guard covers top of spindle and cutter for free-hand shaper safety. Parl No. 2250155



STARTING PIN — A standard accessory, starting pins facilitate easy initial cuts onfree-hand shaping. Part No. 3585014.



QUILLS — are quickly removed and interchanged by loosening one locking bolt and sliding complete assembly from housing, reducing "set up" time to an absolute minimum.



HOLDDOWN GUIDES—standard steel work holddown guides eliminate hazardous free hand feeding of stock and assure smooth, accurate form cutting. Part No. 2253016



OPTIONAL SHAPE MAKER—Do repetitive work quickly and easily. Ideal for production of plaques, table tops, chair bottoms, etc.

POWERMATIC

MODEL

UNIVERSAL SPINDLE SHAPER

FEATURES

TABLE: 28" x 291/2" (711.20 mm x 749.30 mm) (including one extension wing) is made from grey iron castings, rib reinforced for maximum rigidity. Removable 3", 4 3/16" & 7" (76.20 mm, 106.36 mm & 177.80 mm) inserts make possible the use of any cutter the safe way, undercutting. This feature is especially desirable for Raised Panel Cuts.

BASE: Table is supported by a heavy gauge steel cabinet with clean-out door.

FENCE: The cast iron fence is precision machined and faced with hardwood blocks. Fence may be easily adjusted to any position on table by locking handles, or removed for free-hand shaping. The fences are mounted on a box-type center support that serves as a shavings exhaust chute.

SPINDLE: Mounted in heavy duty precision ball bearings. Spindles available include interchangeable 5/16' (7.94 mm), ½" (12.70 mm) ½" (12.70 mm) Stub and ¾" (19.05 mm). 1" (25.40 mm) Extra long solid.

SPINDLE SPEED: The spindle is driven by a two-speed "V" pulley, for spindle speeds of 7000 & 10,000 RPM (733 rad/s) & 1047 rad/s), the correct speeds for both large and small cutters.

STANDARD EQUIPMENT

MODEL 26 SHAPER: Fence, dust chute, 1/2" (12,70 mm) and 3/4" (19.05 mm) interchangeable spindles, 3 table inserts, wrenches,

motor cover, arbor pulley, motor pulley and belt, safety ring guard and work hold-down guides. Less: Motor and Controls.

BASIC MACHINES

1260010 - Model 26 Spindle Shaper, with all standard equipment. Less: Motor and Controls.

1260030-Model 26 Spindle Shaper, with all standard equipment except with 1" (25.40 mm) solid spindle in lieu of 1/2 & 3/4 interchangeable spindles. Less: Motor and Controls.

MOTORS FOR USE WITH MODEL 26 SHAPER

1 Phase

6471100 — 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v, TEFC, 56 frame

1½ HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rads), 115/ 230 v, TEFC, 56 frame. 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/3), 115/ 230v, TEFC, 145T frame.

3 Phase

6471118 — 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 56 frame.

6471119 — 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 56 frame. 6471412 — 1½ HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v,

TEFC, 56 frame.

11/2 HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/

460v, TEFC, 56 frame. 6471706 — 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 145T frame. 6471717 — 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v,

TEFC, 145 T frame.

CONTROLS FOR USE WITH MODEL 26 SHAPER

1 Phase

2398044 --Magnetic Controls, 115/230v Pushbutton Switch, 115/230v 2398155 -

2398202 — Reverse Switch, 115/230v.

2398485 - Magnetic Controls, 115/230v, w/24v transformer

*May be specified with 110v transformer.

3 Phase

Magnetic Controls, 200/230/460/575v. Pushbutton Switch, 200/230/460/575v. 2398051 2398154

JIC Controls, 200/230/460/575v. 2398230

2398249 Reverse Switch, 200/230/460/575v

2398480 Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100003 - Conduit in lieu of Standard Winng

OPTIONAL ACCESSORIES

2024013—1/2" (12.70 mm) Stub Spindle, Wt. 4 lbs (1.8 kg), 2028077—Shape Maker Attachment Pre-1979 (Clockwise Rotation).

2028078-Shape Maker Attachment Pre-1979 (Counter Clockwise

Rotation).

Rotation).
-Shape Maker Attachment (Clockwise Rotation).
-Shape Maker Attachment (Counter Clockwise Rotation).
-Safety Ring Guard, Wt. 8 lbs. (3.6 kg). (Std. Equip.).
-Work Hold-down Guides. Wt. 5 lbs (2.3 kg). (Std. Equip.)
-Miter Gauge. Wt. 5 lbs (1.8 kg).
-5/16" (7.94 mm) Interchangeable Spindle. 1%" (28,58 mm) under nut. Wt. 1 lb. (.45 kg). 2028080-2250155-

2253016-

2471010-

2749005

2749038-

2749040—¾" (19.05 mm) Solid Spindle and Quill Assembly. 31/4" under nut. Wt. 8 lbs (3.6 kg).

1" (25.40 mm) Solid Spindle and Quill Assembly, 4%" (123.82 mm) under nut. Wt. 12 lbs (5.4 kg). 2749003-

14" (19.05 mm) Interchangeable Spindle, 3" (76.20 mm) under nut. Wt. 1 ib (.45 kg).

2749004-

1/2" (12.70 mm) Interchangeable Spindle. 21/4" (57.15 mm)

under nut. Wt. 8 oz (.23 kg).
3186008—8" x 28" (203.2 mm x 711.20 mm). Table Extension for use without fences. Wt. 28 lbs (12.7 kg).
3585014—Starting Pins. Wt. 6 oz (.17 kg).

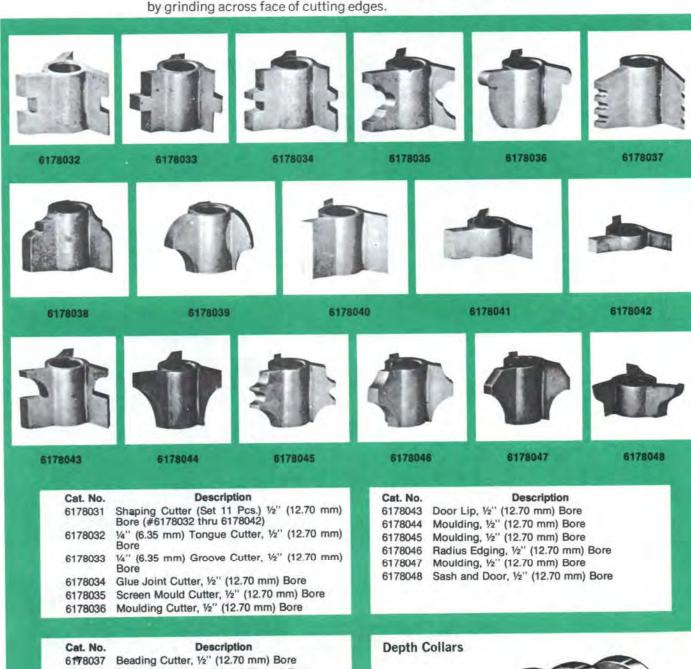
Table size
Table extensions 8" (203.20 mm
Table height
Spindle opening diameters5½" (139.70 mm), 4" (101.60 mm) 2¾" (69.85 mm) and 1¾" (34.92 mm
Other spindles available5/16" (7.94 mm) and 1/2" (12.70 mm) Stub spindle, interchangeable type,
Weight, domestic crated, with 2 HP (1.492 kw)
motor

Spindle capacity.
1" (25.40 mm) (under nut solid)
¾" (19.05 mm) (under nut)
½" (12.70 mm) (under nut
5/16" (7.94 mm) (under nut) 11/8" (28.58 mm)
Spindel travel 3" (76.20 mm)
Spindle speeds (RPM)
(7.33 rad/s & 1047 rad/s)
Largest table opening
Fence size (each side)
Weight export boxed, with motor (32.2 cu. ft.) (9118 mm)

POWERMATIC

SPINDLE SHAPER CUTTERS AND DEPTH COLLARS

Powermatic* Shaper Cutters are select, high-quality, tool-steel, heat treated and carefully ground to retain their sharp cutting edges under long continuous service. Resharpening is easily done by grinding across face of cutting edges.



6f78037 Beading Cutter, ½" (12.70 mm) Bore 6178038 Table Edge Cutter, ½" (12.70 mm) Bore 6178039 Moulding Cutter, ½" (12.70 mm) Bore 6178040 1" (25.40 mm) Straight Face Cutter, ½" (12.70 mm) Bore 6178041 ½" (12.70 mm) Straight Face Cutter, ½" (12.70 mm) Bore 6178042 ½" (6.35 mm) Straight Face Cutter, ½" (12.70 mm) Bore

warranty

(SEE INSIDE FRONT COVER CATALOG DE)



Cat. No. Description
Set ¼" (6.35 mm) wide, ½" (12.70 mm) Bore
6178049 %" (22.22 mm) - ¹⁵/₁₆" (23.81 mm) - 1" (25.40 mm) - 11/₁₆" (26.98 mm) - 1½" (31.75 mm) and 1½" (28.58).



increase production, lower costs

Stock and style change-over is so fast and simple. Such complete flexibility cuts operating costs at every turn and superior Powermatic® construction assures many years of precision, trouble-free operation. The comparatively small initial costs makes the Model 2-A Powermatic® Tenoner just as practical for the smaller millwork, cabinet and pattern shop as for high speed production lines of the woodworking industry.

Angle-set high speed tenon knives reduce chipping.

Save production time! Optional combination check rail cutters perform with tenons in a single stock feed.

Fully adjustable cut-off saw can be set quickly to cleanly trim tenon of any length.

Spur-cutters cut ahead of tenon knives preventing burned or ragged shoulders.

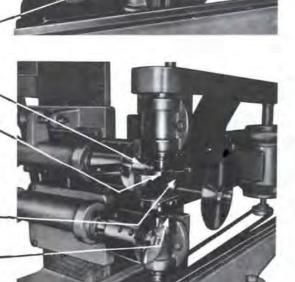
Tenon heads may be easily set to cut offset shoulders on tenons.

Cope heads or check rail cutters screw on threaded cope spindles and seat against machined shoulder to insure perfect alignment.

Check rail cutter or cope head stiles are easily interchanged.

Six-tooth, square check rail slot-cutter on upper cope arbor slots top and bottom stiles accurately.

Pattern-ground cope knives make sash pattern changes fast and simple.



MODEL

SINGLE END TENONER

FEATURES

TENON HEADS: Round type, 334" (95.25 mm) in diameter. Both tenon heads may be vertically adjusted. Top tenon head has horizontal adjustment for minor alignment adjustment. Both heads can be instantly vertically adjusted as a unit to cut an identical tenon when changeover to stock of different thickness is

TENON HEAD SPINDLES: 1 3/16" (30.16 mm) in diameter. Mounted in sealed ball bearings.

TENON HEAD MOTOR: 2 HP (1.492 kw), 3600 RPM (376.99 rad/s) motor mounted in base powers tenon heads through two double section V-belts.

COPES: (Optional) Equipped with dual tool steel knives. Heads may be independently adjusted vertically and horizontally

COPE HEAD SPINDLES: 34" (19.05 mm) in diameter and mounted in in sealed ball bearings. Spindle ends are threaded to accommodate solid steel cutters (for use of combination, check rail slots, or any style pattern cutters.)

COPE MOTOR: (Optional) 1 HP Double Shaft (.746 kw).

3600 RPM (376.99 rad/s), motor powers cope spindles through V-belt drive.

CUT-OFF SAW: Blade 7" (177.80 mm) in diameter, mounted on shaft equipped with sealed ball bearings. Driven at 5000 RPM (523.60 rad/s) by special V-belt from tenon head motor.

FRAME: Heavy cast iron construction, mounted on cast iron base with heavy reinforced steel side panels

GUARDS: Heavy reinforced welded steel construction. Easily detachable for quick access.

CARRIAGE: Perfectly balanced for finger-tip control. Mounted on double rollers for speed and accuracy. Moves accurately on precision-ground combination vee and flat ways assuring perfect alignment with all cutters

CONTROLS: Both motors have separate controls for individual operation of tenon or cope heads.

CAPACITY: 3" (76.20 mm) with tenon and cope heads fully open. Maximum tenon 3" (76.20 mm) thick, 3" (76.20 mm) long, 13" (330.20 mm) wide.

STANDARD EQUIPMENT -

TENONER, Less Copes: Complete with Tenon Heads, knives, shims and Spur Cutters, Cut-off Saw, Belts, Guards and Motor Pulleys. Less: Motor and Controls

TENONER, With Copes: Complete with Tenon Heads, knives, Shims and Spur Cutters, Cope Heads with one set of blank Knives, Cut-off Saw, Belts, Guards and Motor Pulleys Less Motors and Controls

BASIC MACHINES

1280010 - Model 2-A Single Tenoner, less Copes, with all standard equipment. Less: Motor and Controls.

1280030 - Model 2-A Single Tenoner, with Copes, with all standard equipment. Less: Motor and Controls.

NOTE: TENONERS ARE NOT SOLD WITHOUT MOTORS!

MOTORS FOR USE WITH MODEL 2-A TENONER

1 Phase, Tenoner Motor

2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 230v, TEFC, 145T frame. 6471707 -

3 Phase, Tenoner Motor

6471706 — 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC 145T frame.

6471717 - 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145T frame.

3 Phase, Cope Motor (double shafted) 6471120 — 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s) 200/230/ 460v, TENV, 143T frame.

CONTROLS FOR USE WITH MODEL 2-A TENONER

1 Phase

2398340 Magnetic Controls, 115/230v. 2398381 Pushbutton Switch, 115/230v.

Magnetic Controls, 115/230v, w/24v transformer. 2398489

2398131 - Magnetic Controls, 200/230/460/575v.

2398201 — Pushbutton Switch, 200/230/460/575v. 2398482 — Magnetic Controls, 200/230/460/575v, w/24v transformer. 9100002 — Conduit in lieu of Standard Wiring.

Note: Two Electrical Kits required per machine with Copes, 3 phase only.

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

3109001-Spur Cutter, Wt. 8 oz (.23 kg). (4 Required)

3277001-Cope Head, less knives, upper. Wt. 4 lbs (1.8 kg)

3277002-Cope Head, less knives, gibs and screws lower. Wt. 4 lbs

(1.8 kg).

Tenon Head, less knives, gibs and screws upper. Wt. 15 lbs (6.8 kg).

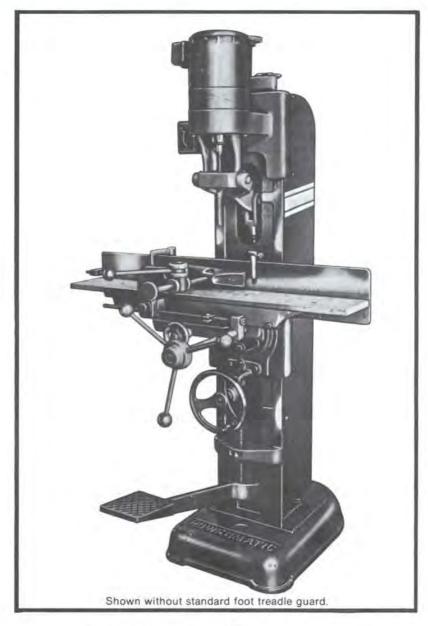
3277007-Tenon Head, less knives, gibs and screws lower. Wt. 15 lbs (6.8 kg).

3401005—Lower Tenon Knife. Wt. 8 oz (.23 kg). (2 required) 3401006—Upper Tenon Knife. Wt. 8 oz (.23 kg). (2 required) 3401007—Upper Cope Knife. Wt. 4½ lbs (2.04 kg). (2 required) 3401008—Lower Cope Knife. Wt. 4½ lbs (2.04 kg). (2 required) 6077028—Cope Belt (2 required) 4L560. Wt. 8 oz (.23 kg) ea. 6077046—Tenon Belt (2 required) AA75. Wt. 8 oz (.23 kg) ea.

SPECIFICATIONS

.13/16" (30.16 mm) dia.34" (19.05 mm) Tenon Spindles Cope Spindles 13" (330.20 mm) wide

Motors:	
Tenon Head	M (376.99 rad/s)
Cope Head 1 HP (.746 kw) 3600 RF	
Cope Heads	M (523.60 rad/s)
Speed of cutoff saw	M (523.60 rad/s)
	45 lbs (519.4 kg)
	80 lbs (444.5 kg)

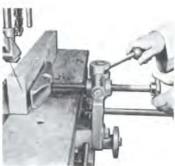


Powermatic's exclusive construction technique that maximizes machine life

Designed to speed through the most complicated work requirements with clean, crisp cuts every time! Perfectly balanced head precision mounted on a heavy, rigid column assures smooth action without the jumping, pounding or jamming so common in many other mortisers. Day-in, day-out use in hundreds of millwork, pattern and cabinet shops as well as manufacturing operations from coast to coast continues to winhigh acclaim from thousands of experienced and novice operators. No other mortiser is operated easier in continuous production.



UNIVERSAL TABLE — assures complete flexibility for mortise cuts at any angle. Fast, simple 45° right or left tilting, 14" (355.60) vertical and 12" (304.80) longitudinal table adjustment.



QUICK-ACTING ECCENTRIC CLAMP — permits fast stock change with complete accuracy in high production operations.



BUILT-IN FAN Keeps work clean



SLIDING TABLE RACK — with adjustable stops enables operator to make successive straight-line cuts with utmost precision on the #10 hollow chisel machine.

POWERMAT

MODEL

HOLLOW CHISEL MORTISER

Exactingly Powermatic® engineered and built for years of dependable service. Whether in simple shop operation or industrial high production, Powermatic mortisers are famous for precise accuracy without jumping or pounding.

Check each feature carefully for proof of Powermatic® superiority in every type of mortise operation. Compound table with quick-acting stock clamp permits easy, fast and accurate successive cuts at any angle.

FEATURES

FRAME: Constructed of heavy, reinforced castings for extremely rigid support and vibration-free operation.

TABLE: Universal style, 6" x 36" (152.40 mm x 914.40 mm) with 4" (101.60 mm) back fence. Compound rack and pinion unit which tilts 45 right or left with a 14" (355.60 mm) vertical adjustment range operated by convenient, front-mounted handwheel. Lateral handwheel table adjustment 4" (101.60 mm).

Stock is held firmly in position with a quick acting, adjustable eccentric clamp Front-mounted turret wheel operates rack and pinion for full 12" (304.80 mm) straight-line mortising without unclamping work.

STROKE: Maximum depth of cut is 4" (101.60 mm). Stroke is operated by foot lever through linkage which provides for full leverage adjustment. Assures maximum operator production with minimum fatigue.

BITS: Equipped with %" (952. mm) chisel and bit, chuck, 2 chisel bushings and

complete wrench set.

Boring bit is 9" (228.60 mm) in overall length with a twist of 6" (152.40 mm).

Accommodates soft wood mortise chisels up to 44" (19.05 mm).

MOTOR: Direct drive type, built-in. Choose from either 1½-HP (1.119 kw) 1-phase (115 or 230-volt) or 3-phase (230 or 460-volt) models for light and medium work requirements, or for extra heavy mortising operations the 2 HP (1.492 kw) 3-phase (230 or 460-volt) motor is recommended.

Motor spindles operate in high-speed ball bearings for years of perfect alignment and trouble-free service. Motor switch is front-mounted for easy operator access.

STANDARD EQUIPMENT.

MORTISER: %" (9.52 mm) chisel and Bit, Key with Key, Eccentric Stock Clamp, Holddowns, Universal Table, Work Stops, 2 Chisel Bushings, Wrench set and

Foot Treadle Guard, Less: Motor and Controls.

BASIC MACHINE

Model 10 Mortiser, with all standard equipment. Less: 1400040-Motor and Controls

Note: Not sold less motor.

MOTORS FOR USE WITH MODEL 10 MORTISER

1 Phase 6471404 11/2" HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s),

115/230v, TEFC, 56 frame.

3 Phase 6471414 -11/2 HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v. TEFC 56C frame.

6471415 — 1½ HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 56C frame. 6471721 — 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 56C frame.

2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 56C frame. 6471722 -

CONTROLS FOR USE WITH MODEL 10 MORTISER

1 Phase 2398220

Pushbutton Switch, 115/230v. 2398386 Magnetic Controls, 115/230v.

2398495 Magnetic Controls, 115/230v, w/24v transformer.

*May be specified with 110v transformer.

3 Phase Pushbutton Switch, 200/230/460/575v. Magnetic Controls, 200/230/460/575v. 2398219 2398222

2398230 JIC Controls, 200/230/460/575v: Class 1 only. 2398500

Magnetic Controls, 220/230/460/575v, w/24v transformer. Conduit in lieu of Standard Wiring.

9100003

OPTIONAL ACCESSORIES-

2250091 Foot Treadle Guard (Floor Mtg)

Foot Treadle Guard (Base Mtg.) 2250092

6116001 6116002

Hollow Chisel, ⁵/₁₆" x 4" (6.35 mm x 101.60 mm). Hollow Chisel, ⁵/₁₆" x 4" (7.94 mm x 101.60 mm). Hollow Chisel, ³/₁₆" x 4" (9.52 mm x 101.60 mm). Hollow Chisel, ⁷/₁₆" x 4" (11.11 mm x 101.60 mm). 6116003

6116004

6116005

6116007

6116009

- Hollow Chisel, 7/16" x 4" (11.11 mm x 101.60 mm). - Hollow Chisel ½ x 4 (12.70 mm x 101.60 mm). - Hollow Chisel, ¾" x 4" (15.88 mm x 101.60 mm). - Hollow Chisel, ¾" x 4" (19.05 mm x 101.60 mm).

 $\begin{array}{lll} 6220003 & - & \text{Hollow Chisel Drill Bit } \ 4'' \times 9'' \ (6.35 \ \text{mm} \times 228.60 \ \text{mm}). \\ 6220004 & - & \text{Hollow Chisel Drill Bit, } \ 5'_{16}'' \times 9'' \ (7.94 \ \text{mm} \times 228.60 \ \text{mm}). \\ 6220005 & - & \text{Hollow Chisel Drill Bit, } \ 4'' \times 9'' \ (9.52 \ \text{mm} \times 228.60 \ \text{mm}). \\ 6220006 & - & \text{Hollow Chisel Drill Bit, } \ 7'_{16}'' \times 9'' \ (11.11 \ \text{mm} \times 228.60 \ \text{mm}). \\ 6220007 & - & \text{Hollow Chisel Drill Bit, } \ 4'' \times 9'' \ (12.70 \ \text{mm} \times 228.60 \ \text{mm}). \\ 6220009 & - & \text{Hollow Chisel Drill Bit, } \ 4'' \times 9'' \ (15.88 \ \text{mm} \times 228.60 \ \text{mm}). \\ 6220011 & - & \text{Hollow Chisel Drill Bit, } \ 4'' \times 9'' \ (19.05 \ \text{mm} \times 228.60 \ \text{mm}). \\ \end{array}$

Table	914.40 mm
Table, lateral travel	101.60 mm
Table, longitudinal travel12"	
Tables, vertical adjustment14"	355.60 mm
Fence4" x 36" (101.60 mm x	914.40 mm
Chisel-to-table top, maximum	355.60 mm
Chisel, center-to-back stop, maximum4"	101.60 mm
Chuck capacity	(12.70 mm
Motor speed	76.99 rad/s

۱	ATIONS
	Maximum stock width
	Range of depth stop4" (101.60 mm)
	Maximum boring depth4" (101.60 mm)
	Maximum bit size½" (12.70 mm) shank, 1½" (38.10 mm)
	Chisel shank hole diameter
	Chisel bushings shank sizes56" (15.88 mm) & 34" (19.05 mm)
	Weight, domestic crated
	Weight, export boxed.
	(82.4 cu ft.) 82.4 cu ft (2.3333 mm) 820 lbs (371.9 kg



BIG CAPACITY . . . TO SPEED PRODUCTION

Here is the ruggedness, versatility and outstanding performance required for every type of mortising operation . . . big or small. The massive balanced sliding head of the Powermatic " Model 15 Chain Saw Mortiser assures smooth as velvet action which means superb production accuracy with minimum effort for any operator . . . veteran or novice.

Universal table offers increased flexibility ..., so easy to adjust for any type of cut you desire. Advanced safety features and low operating cost mean extra dollar value and extra production in every shop or plant.



RIGID CHIPBREAKER assures smooth, clean, splinter-free cuts on #15 chain saw mortisers.



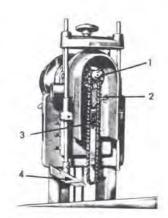


QUICK-ACTING ECCENTRIC CLAMP permits fast stock change with complete accuracy in high production operations.

SLIDING HEAD is spring counter-balanced on heavy, rigid machined column with convenient foot pedal control for safe, easy operation.



CHAIN TENSION ADJUSTMENT is quick and easy. Helps make chain bar and sprocket last much longer. The most important adjustment in mortiser operation.



SIMPLIFIED MORTISE HEAD MECHANISM

- Built-in chipblower
- Otler for positive slide lubrica-
- 3. Block-mounted mortise bar for easy adjustment.
- 4 Adjustable chipbreaker

FEATURES

FRAME: Constructed of heavy, reinforced iron castings for extreme rigid support and perfect alignment. Mounted on heavy cast iron base to eliminate annoying vibration.

TABLE: Universal style, 6" x 36" (152.40 mm x 914.40 mm) with 4" (101,60 mm) back fence. Compound rack and pinion unit which tilts 45° right or left with a 14" (355.60 mm) vertical adjustment range operated by convenient, front-mounted hand-wheel. Table may be laterally adjusted up to 4" (101.60 mm) with hand-

Stock is held rigidly in position with a quick-acting, adjustable eccentric clamp. Front-mounted turret handle operates rack and pinion for full 12" (304.80 mm) straight line mortising without unclamping work. STROKE: Maximum depth of cut is 6" (152.40 mm). Stroke is easily controlled by foot lever through linkage which provides full leverage adjustment. Speeds production and reduces operator fatigue.

HEAD: Precision built of cast iron with adjustable gibs. Runs on extra long, precision machined ways.

SPINDLE: 1 3/16" (30.16 mm) in diameter, mounted in sealed ball bearings. Spindle is driven with shaft coupled directly to motor. A built-in, spindle-mounted fan keeps work clean and free from dust and chips. CHAIN: Equipped with 36" x 11/2" (9.52 mm x 38.10 mm) chain, bar and sprocket mortise set as standard equipment. May be fitted with mortise sets from $\frac{1}{4}$ " x $\frac{3}{4}$ " (6.35 mm x 19.05 mm) to $\frac{5}{8}$ " x 3" (15.88 mm x 76.20 mm) (available at extra cost).

LUBRICATION: Automatic oiler assembly assures constant oil application to bar slide while machine is in operation to insure long chain life.

MOTOR: 1 HP (.746 kw), 3-phase motor is sufficient for all light mortising operations, up to 36" (9.52 mm). For heavier mortising, up to %" (15.88 mm), a 2 HP (1.492 kw) motor is required. 11/2 HP (1.119 kw) and 2 HP (1.492 kw) motors are available either 1- or 3-phase.

STANDARD EQUIPMENT

MORTISER: 36" x 11/2" (9.52 mm x 38.10 mm) Mortise set, Eccentric Stock Clamp, Work Holddowns, Chipbreaker, Universal Table, Work

Stops, Wrench set, Chipblower, Automatic Oiler and Foot Treadle Guard. Less: Motor and Controls.

BASIC MACHINES

1320010 - Model 15 Chain Mortiser with standard equipment for 1 & 11/2 HP (.746 kw & 1.119 kw) motors. Less: Motor and Controls.

1320020 - Model 15 Chain Mortiser with standard equipment for 2 HP (1.492 kw) motors. Less: Motor and Controls.

MOTORS FOR USE WITH MODEL 15 MORTISER

1 Phase

6471400 - 11/2 HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/

230v, TEFC, 56 frame. 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 230v, TEFC, 145T frame. 6471707 -

3 Phase 6471118 — 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 56 frame. 6471119 - 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v,

TEFC, 56 frame. - 1½ HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s) 200v, TEFC, 56 frame.

- 11/2 HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 6471413

460v, TEFC, 56 frame. 2 HP (1,492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 145T frame. 2 HP (1,492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, 6471706 -

6471717 -TEFC, 145T frame.

CONTROLS FOR USE WITH MODEL 15 MORTISER

1 Phase

Pushbutton Switch, 115/230v. 2398220

2398386

Magnetic Controls, 115/230v. Magnetic Controls, 115/230v, w/24v transformer. 2398495

*May be specified with 110v transformer.

3 Phase Pushbutton Switch, 200/230/460/575v. 2398219 2398222 Magnetic controls, 200/230/460/575v. 2398230 JIC Controls, 200/230/460/575v: Class 1 only.

2398500 Magnetic Controls, 200/230/460/575v, w/24v trans-

former

9100003 - Conduit in lieu of Standard Wiring.

OPTIONAL ACCESSORIES

2250091 - Foot Treadle Guard (Floor Mtg) 2250092

Foot Treadle Guard (Base Mtg)

14" x 34" x 3" (6.35 mm x 19.05 mm x 76.20 mm) Mortise 2490004 set including chain, bar and sprocket. Wt. 1 lb (.45 kg) 36" x 34" x 3" (9.52 mm x 19.05 mm x 76.20 mm) Mortise 2490005

set including chain, bar and sprocket. Wt. 1 lb (.45 kg) 1/4" x 1" x 31/2" (6.35 mm x 25.40 mm x 88.90 mm) Mor-2490006

tise set including chain, bar and sprocket. Wt. 1 lb (.45 ka).

2490007 - 36" x 11/2" x 41/2" (9.52 mm x 38.10 mm x 114.30 mm) Mortise set including chain, bar and sprocket. Wt. 11/4

lbs. (.57 kg). ½" x 1½" x 5" (12.70 mm x 38.10 mm x 12700 mm) Mor-2490008 tise set including chain, bar and sprocket. Wt. 11/2 lbs.

Other Mortise sets available. Write factory for information.

Table	914.40	mm)
Table, Lateral Travel4"	(101.60)	mm)
Table, Longitudinal Travel		
Table Vertical Adjustment	(355.60)	mm)
Fence	914.00	mm)
Chain-to-Table Top, Maximum14"	(335.60)	mm)
Chain Center-to-Back Stop, Maximum4"	(101.60)	mm)
Maximum Stock Width14"	(335.60)	mm)

Range of Depth Stop	n)
Maximum Cutting Depth6" (152.40 mm	
Maximum Usable Mortise Set 56" x 3" (15.88 mm x 76.20 mm	n)
Minimum Usable Mortise Set14" x 34" (6.35 mm x 19.05 mm	1)
Standard Mortise Set Furnished 36" x 11/2" (9.52 mm x 38.10 mm	n)
Motor Speed	s)
Weight, Domestic Crated	(د

Totally Enclosed Fan Cooled Motor Standard Pictured with optional knife grinding and jointing attachment.



Knife Grinder and Jointer (optional) mounted on the main frame of the Planer. Positive indexing feature shown, assures positive locking of the blade in position for sharpening.



Convenient Bed-Adjustment Hand-Wheel — Acme-thread screws which operate in ball thrust bearings activates bed. Easyto-read thickness gauge. One-piece cast iron frame keeps perfect alignment.



Built for Heavy Work-Loads—Top rollers and pressure bar adjustments are fully visible and can be adjusted without removing guards. Positive clutch to start or stop leed rolls.

Smoother Surfacing Saves Finishing Time

Smaller shops everywhere applaud the features of this mighty mite of the Powermatic® planer line. Though small in size, cabinet, school, pattern and light-duty millwork shops have found the Model 100 completely adequate for the most precise requirements.

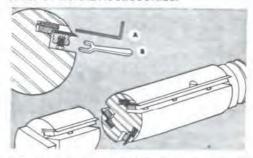
Incorporating many famous features of the larger Powermatic* planers, this low-cost model is proving its dependable superior performance year-in and year-out in every type of shop.

The unique chipbreaker construction and perfectly synchronized operation of cutterhead and feed rollers assure virtually gap-free surfacing for a wide variety of stocks at maximum speed. The extra size 12" x 24" (304.80 mm x 609.60mm) one-piece bed is the longest available on any 12" (304.80) planer and assures greater infeed and outfeed support of long stock for more accurate surfacing.

See how fast the Model 100 will start paying for itself in your shop with faster precision production.



The latest addition to this popular Planer is a new Knife grinding and jointing attachment available as an option. The new Model 100 Planer is pre-drilled for accepting the grinding attachment, making the addition or removal of this unit possible in a matter of moments. This attachment now appears on the following page under OPTIONAL ACCESSORIES.



Jackscrews Speed Accurate Knife Setting — a standard feature

Set and secure all cutterhead knives in as little as half the time. Adjust knife support jackscrews (A) with Allen wrench and pressure-lock knife safety shim. (B) with end wrench. Cutterhead mounted in over-size sealed ball bearings. Precision ground and balanced.

MODEL POWERMATIC

12" PLANER

FEATURES -

FRAME: Precision machined from extra heavy onepiece cast iron. All bearing housings are line bored for perfect bearing alignment.

BED: 12" x 24" (304.80 mm x 609.60 mm), the longest one-piece bed of all 12" (304.80 mm) planers. Built of heavy rib-reinforced cast iron, precision ground to satin smoothness for perfect finishing.

Convenient hand-wheel adjusts bed through full 5" (127.00 mm) range, with 1/16" (1.59 mm) movement for each complete turn. Adjacent front-mounted gauge is calibrated for quick, easy reading.

CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 3 high-speed knives. Mounted in sealed ball bearings, the entire cutterhead unit may be lifted free by removing feed drive pulley and two locking screws from flange mounting

Operating speed is 4340 SFM (1322 mm/s), making 16,000 cuts-per-minute (72 knife cuts per inch (2.835 knife cuts per mm). See Knife Adjustment feature on previous page.

FEED ROLLS: Corrugated infeed roller and smooth outfeed roller are 2" (50.80 mm) in diameter and driven with extra heavy pitch gears. 1" (25.40 mm) diameter feed roller journals are mounted in 3" (76.20 mm) shaft bearings for longer bearing life. Feed roll pressure springs are top mounted over roller and fully visible for quick adjustment.

PRESSURE BAR: Features extra wide foot and is mounted extremely close to cutterhead for perfect outfeed control. Easy to adjust from either end.

CHIPBREAKER: Mounted adjacent to cutting circle for top quality finishing. Accurately machined foot is extra wide for longer wear.

POWER FEED CONTROL: Handy clutch level to start and stop feed instantly without stopping power. 18 feet-per-minute feed rate at 5300 RPM of cutterhead.

STOCK CAPACITY: Surfaces stock up to 12" (304.80 mm) wide and from 1/16" (1.59 mm) to 5" (127.00 mm) thick. Stock length can be as short as 7½" (190.50 mm) POWER: 2 HP (1.492 kw) motor is adequate for light and medium work; 3 HP (2.238 kw) motor is recommended for heavy-duty operation. Motor is furnished with 2-grove drive pulley.

FEED DRIVE: Positive action V-belt drive assures smooth, trouble-free stock feed. Feed problems associated with gear transmissions are eliminated.

STANDARD EQUIPMENT

MODEL 100 - 12" PLANER: Stand, set of 3 high speed M-2 tool steel knives, sealed ball bearing cutterhead, knife setting gauge.

jack screws, cutterhead pulley, set of wrenches, motor pulley, belt and swivel type motor base. Less: Motor and Controls.

BASIC MACHINES

1000016 - Complete Model 100 Planer, with all standard equipment. Less: Motor and Controls.

MOTORS FOR USE WITH MODEL 100 PLANERS

1 Phase 6471707 -2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 230v, TEFC, 145T frame.

3 HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 6472013 -230v, TEFC, 182T frame.

3 Phase 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 145T frame. 6471706 -

6471717 - 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145T frame.

3 HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 182T frame. 3 HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 182T frame. 6472026 -

6472027 -

CONTROLS FOR USE WITH MODEL 100 PLANERS

1 Phase 2398383 -

Pushbutton Switch, 115/230v 2398385 Magnetic Controls, 115/230v

2398486 Magnetic Controls, 115/230v, w/24v transformer

3 Phase

Magnetic Controls, 200/230/460/575v. 2398185 -2398204 — Pushbutton Switch, 200/230/460/575v. 2398230 - JIC Controls, 200/230/460/575v

2398481 - Magnetic Controls, 200/230/460/575v, w/24v transformer. 9100003-Wired in Flexible Metal Conduit in lieu of Standard Wiring.

(3 HP motors require minimum of magnetic control.)

OPTIONAL ACCESSORIES

2230002 - Bed and Feed Roll Gauge, Wt. 11/2 lbs (.68 kg).

2230007 - Cutterhead Gauge, Wt. 1 lb (.45 kg).

2258010-Grinder and Joining Attachment, with indexing mechanism, Wt. 90 lbs (40.8 kg)

2292018 — Shaving Hood, Wt. 15 lbs (6.8 kg) 2759019 — Stand, Wt. 78 lbs (35.4 kg)

6427003 Set of 3 High Speed, heat treated M-2 Tool Steel Knives. Wt. 1 lb (.45 kg)

*NOT for use on model 100 Planners made prior to 1972

	Bed	12" x 24" (304 80 mm x 609 6	0	mm
	Feed Roll Diameter (infeed and	outfeed) 2" (50.8	0	mm
В	Table Roll Diameter		0	mm
	Maximum depth of cut			
	Stock thickness range			
d	Widest Stock	12" (304.8	0	mm)
	Shortest planable stock (butted)	71/2" (190.5	0	mm
13	Cutterhead (3-knife) cutting arc	31/8" (79.3	8	mm

Knife-cuts-per-inch . 72 cuts per inch (2.835 inch per mm)
Cutterhead speed
Knife size 1/6" x 7/6" x 121/4" (3.18 mm x 22.22 mm x 311.15 mm)
Rate of feed
Power recommended for light and medium work 2 HP (1.492 kw)
Power recommended for heavy work
Weight, net, with stand
Weight, domestic crated with stand

Pictured with optional dusthood and sound curtain.

"THE QUIET ONE"

In order to comply with user and Federal Government demands for planer noise reduction, Powermatic Engineering has done it again! Determined to avoid the complications of sharpening and replacing knives in spiral type cutterheads, this fantastic NEW single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular knife grinding and jointing attachment.

Major noise reduction has resulted from this new stagger mount (patented) blade arrangement, and the addition of curtains of accoustical material at entrance and exit areas serve to contain sounds generated within the machine, again reducing the noise pressure.

Smaller shops everywhere applaud the features of this mighty mite of the Powermatic planer line. Though small in size, cabinet, school, pattern and light-duty millwork shops have found the Model Q100 completely adequate for the most precise requirements.

Incorporating many features of the larger Powermatic planers, this low-cost model is proving its dependably superior performance year-in and year-out in every type of shop.

The unique chipbreaker construction and perfectly synchronized operation of cutterhead and feed rollers assure virtually gap-free surfacing for a wide variety of stocks at maximum speed. The extra size 12" x 24" (304.80mm x 609.60mm) one-piece bed is the longest available on any 12" (304.80mm) planer and assures greater infeed and outfeed support of long stock for more accurate surfacing.



The Quiet Cutterhead

An exclusive feature with Powermatic effectively reduces the noise level of this machine in both idle and cutting conditions. Stagger mounted knives provide a quiet cutting action WITH-OUT use of a spiral cutterhead. High Speed Steel Knives (standard equipment) may be sharpened in the cutterhead through use of a regular Knife Grinding and Jointing Attachment. It is NOT necessary to remove either knives or cutterhead to sharpen.



(Optional) Shaving Hood and Sound Curtain — Designed to further reduce noise levels by containing sound within machine. May be ordered with machine if dust collecting system is available.



Convenient Bed-Adjustment Hand-Wheel
—Acme-thread screws which operate in ball thrust bearings activates bed. Easy-to-read thickness gauge. One-piece cast iron frame keeps perfect alignment.

SEE PAGE 32 FOR DETAILED DRAWINGS OF THE STAGGER MOUNTED KNIFE CUT-TERHEAD

POWERMAT

MODEL

12" PLANER

FEATURES

FRAME: Precision machined from extra heavy onepiece cast iron. All bearing housings are line bored for

perfect bearing alignment. BED: 12" x 24" (304.80 mm x 609.60 mm) the longest one-piece bed of all 12" (304.80 mm) planers. Built of heavy rib-reinforced cast iron, precision ground to

satin smoothness for perfect finishing.
Convenient hand-wheel adjusts bed through full 5"
(127.00 mm) range, with 1/16" (1.59 mm) movement for each complete turn. Adjacent front-mounted gauge is calibrated for quick easy reading.

CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 18 high-speed steel knife segments, stagger mounted to create a spiral cutting concept. This exclusive design reduces noise during planing operations through more but smaller bites as knives contact material surface. Cutterhead is mounted in sealed ball bearings requiring no lubrication

New Jack Screws adjust blades down as well as up. thereby holding blade in cutterhead until screw is removed; an added safety feature to help prevent knives from being thrown from head if loose.

FEED ROLLS: Corrugated infeed roller and smooth outfeed roller are 2" (50.80 mm) in diameter and driven with extra heavy gears. 1" (25.40 mm) diameter feed roller journals are mounted in 3" (76.20 mm) shaft bearings for longer bearing life. Feed roll pressure springs are top mounted over roller and fully visible for quick adjustment.

PRESSURE BAR: Features extra wide foot and is mounted extremely close to cutterhead for perfect outfeed control. Easy to adjust from either end.

CHIPBREAKER: Mounted adjacent to cutting circle for top quality finishing. Accurately machined foot is extra wide for longer wear.

POWER FEED CONTROL: Handy clutch lever to start and stop feed instantly without stopping power, 15 feet per minute (76.20 mm/s) feed rate at 3600 RPM.

STOCK CAPACITY: Surfaces stock up to 12" (304.80) mm) wide and from 1/16" to 5" (1.59 mm to 127.00 mm) thick. Stock length can be as short as 71/2" (190.50 mm) POWER: 2 HP (1.492 kw) motor is adequate for light and medium work; 3 HP (2.238 kw) motor is recommended for heavy-duty operation. Motor is furnished with a 2-groove drive pulley.

FEED DRIVE: Positive action V-belt drive assures smooth, trouble-free stock feed. Feed problems associated with gear transmissions are eliminated.

STANDARD EQUIPMENT

MODEL Q100 - 12" PLANER: Complete with stand, set of 18 high-speed steel knives, sealed ball bearing cutterhead, knife setting

gauge, jack screws, cutterhead and motor pulley, drive belt, motor base, set of wrenches. Less: Motor and Controls.

BASIC MACHINES

1000090 - Complete Model Q100 Planer, with all standard equipment. Less: Motor and Controls.

MOTORS FOR USE WITH MODEL 100 PLANERS

1 Phase

6471707 — 2 HP (1.492 kw), 60 Hz, 3600 RPM (376,99 rad/s), 115/230v, TEFC, 145T frame. 6472013 — 3 HP (2.238 kw), 60 Hz, 3600 RPM (376,99 rad/s), 115/230v, TEFC, 182T frame. (Requires Magnetic Control)

6471706 — 2 HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 145T frame.

6471717 - 2HP (1.492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 145T frame,

2HP (1,492 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC 6472026 182T frame. (Requires Magnetic Control)

3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 182 Tframe. (Requires Magneitc Control)

CONTROLS FOR USE WITH MODEL 100 PLANERS.

1 Phase

2398383--Pushbutton Switch, 115/230v. (for 2HP motors only)

2398385—Magnetic Controls, 115/230v

2398486 Magnetic Controls, 115/230v, w/24v transformer

3 Phase

2398185 — Magnetic Controls, 200/230/460/575v

2398204—Pushbutton Switch, 200/230/460/575v. (for 2HP motors only)

2398230-JIC Controls, 200/230/460/575v: Class 1 only

Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100003 - Conduit in lieu of Standard Wiring.

* May Be Specified With 110v Transformer.

(3 HP motor requires minimum of magnetic control)

OPTIONAL ACCESSORIES

2230002—Bed and Feed Roll Gauge, Wt. 1½ lb. (.68 kg)
2230007—Cutterhead Gauge, Wt. 1 lb. (.45 kg)
2258010—Grinder and Jointing Attachment, with indexing mechanism, (For use with HIGH SPEED STEEL KNIVES only.) Wt. 90 lbs. (40.8 kg), Order Diamond Wheel for Grinding carbide knives

2393010—Set of 18 high-speed steel knives. 2393015—Set of 18 Carbide tipped knives. 2397045—Shaving Hood and Sound Insulation kit. 9100006—Carbide knives in lieu of HSS. 6900031-Diamond wheel for use on Carbide knives.

Bed	12" x 24" (304.80 mm x 609.60 mm)
Feed Roll Diameter (infeed	and outfeed)2" (50.80 mm)
Table Roll Diameter	
Maximum depth of cut	
Stock thickness range	
Widest stock	
Shortest planable stock (b	utted)
Cutterhead cutting arc	

Knife-cuts-per-inch	72 cuts per inch (2.835 cuts per mm
Cutterhead speed	3600 SFM (18.288 m/s
	21/4" (4.76 mm x 25.40 mm x 57.15 mm
	ht and medium work 2HP (1.492 kw
Power recommended for he	eavy work
Weight, net with stand	
Weight, domestic crated with	th stand410 lbs (186.0 kg
monghing demindence and and	

First to Offer Quik-Set Table Roll Adjustment as Standard Equipment!!



The two outstanding features characteristic of fine surfacing machines, weight and strength, are standard in this heavy duty production Planer, the only machine in its price range guaranteed to take a 1/2" (12.70mm) cut. Engineered and built to highest quality standards, this tool features a massive work table, ground to micrometer tolerances. Permanent alignment and wear adjustment is provided by four machined vertical ways and gibs. "Quik-Set" table roll adjustment eliminates friction between table surface and material planed. Raise or lower rolls to your own standards higher for rough cutting, lower for finishing. Truly an industrial machine priced within the budget of Vocational and Technical School Shops.

Quik-Set Table Roll Adjustment Standard Equipment



Knife Grinder and Jointer (optional) mounts permanently to main Planer frame. Ideally suited for precision sharpening of knives without removal from the head. Heavy 5¼" (133.35 mm) wide guide bar prevents chatter of the jointing head.



Belted Feed Drive Assembly is simple and trouble free. A combination of variable speed pulleys, V-belts, and heavy pitch gears provide smooth, dependable, feed rates without use of expensive and troublesome transmissions and pear-boxes.



"Quick-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. Quik-Set eliminates friction and constant under-the-table roll adjustments.



Feed Speed Adjustable from 15 FPM to 37 FPM (76.20mm/s to 187.96 mm/s) with variable speed pulley. Sets quickly for every stock or finish requirement.

POWERMATIC

MODEL

16" PLANER

FRAME: Precision machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support. One-piece 38" x 28" (965.20 mm x 711.20 mm)

BED: 16" x 311/2" (406.40 mm x 800.10 mm) accurately machined with extra heavy rib-reinforcing for perfect alignment. Bed raises and lowers on large acmethread screws mounted on enclosed thrust bearings.

Convenient hand-wheel adjusts bed through full 6" (152.40 mm) range. Adjacent front-mounted gauge is

calibrated for quick, easy reading.

CUTTERHEAD: Safety-type. Milled slots, precision ground and balanced, fitted with 3 high-speed, heattreated M-2 tool steel knives. Mounted in over-size sealed ball bearings, the entire cutterhead unit may be lifted free by removing drive pulley and three locking screws from flange mounting.

FEED ROLLS: Upper feed rolls 2 3/16" (55.56 mm) diameter, milled from solid steel. Have %" (15.88 mm) yield. Driven by V-belts from cutterhead spindle to oversize machined gears.

SOLID PRESSURE BAR: Mounted concentric to cutterhead and fitted extremely close to knife-cutting circle. The bar has extra wide foot for long wear and can be adjusted for perfect alignment.

SOLID CHIPBREAKER: Swings concentric to cutterhead and mounted just forward of the knife-cutting circle. Extra wide, accurately machined foot assures longer wear and top quality finish.

POWER FEED CONTROL: Variable speed pulley affords a complete range of feed from 15 to 37 feet per

minute (76.20 mm/s to 187.96 mm/s). STOCK CAPACITY: Surfaces stock up to 16" (406.40 mm) wide and from 1/8" to 6" (3.18 mm to 152.40 mm) thick.

DRIVES: Belted drive (Model 160-B cutterhead is driven by V-belts from motor mounted on the side of

POWER: 3 HP (2.238 kw) motor is recommended for light and medium work, such as pattern shops, schools, etc. 5 HP (37.30 kw) motor is recommended for heavier requirements and production work. 1-or 3-phase motors available.

GRINDING AND JOINTING ATTACHMENT: (Optional). Mounted on extra heavy 51/4" (133.35 mm) bar, precision ground for extreme accuracy. Grinder and jointer may be easily removed from permanently mounted grinder bar when not in use. 14 HP (.186 kw), 110 V. motor.

STANDARD EQUIPMENT

MODEL 160-16" PLANER 3 high-speed, heat treated M-2 Tool Steel Knives, Knife Setting Gauge, Jack Screws, Cutterhead Pulley, Motor

Mount Base, Set of Wrenches, Motor Pulley, Belts and Quik-set Table Roll Adjustment, Less: Motor and Controls.

MOTORS FOR USE WITH MODEL 160 PLANERS

1600120-Model 160, BELTED DRIVE 16" x 6" (406.40 mm x 152.40 mm) Single Surface Planer, with all standard equipment. Less Motor and

1600140-Same as 1600120 except with sectional infeed roll and Chipbreaker.

6472013 — 3HP (2.238kw), 60 Hz 3600RPM (376.99 rad/s), 115/230v, TEFC, 182T frame.

5HP (3.730 kw), 60 Hz,3600RPM (376.99 rad/s), 115/230v, 6472328 -TEFC, 184T frame.

3 Phase

6472026 — 3HP (2.238kw), 60 Hz, 3600RPM (376.99 rad/s), 230/460v, TEFC, 182T frame.

6472027 - 3HP (2.238kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, TEFC, 182T frame.

6472319 - 5HP (3.730kw), 60 Hz, 3600RPM (376.99 rad/s), 230/460v, TEFC, 184T frame

6472320 — 5HP (3.730kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, TEFC, 184T frame. 6472507 — 7½HP (5.595 kw), 60 Hz, 3600RPM (376.99 rad/s), 230/460v, TEFC, 213T frame.

6472512 — 7½HP (5.595kw), 60 Hz, 3600RPM (376.99 rad/s), 200v. TEFC, 213T frame.

CONTROLS FOR USE WITH MODEL 160 PLANERS-

1 Phase

2398189 — Magnetic Controls, 115/230v. Magnetic Controls, 115/230v. w/24v transformer. 2398494

3 Phase

Magnetic Controls, 200/230/460/575v.

- 2398230 JIC Controls, 200/230/460/575v: Class 1 only.
- *2398498 Magnetic Controls, 200/230/460/575v, w/24v transformer. 9100002 Condiut in lieu of Standard Wiring.

*May Be Specified With 110v Transformer.

rad/s) Motor.

OPTIONAL ACCESSORIES

2230002 — Bed and Feed Roll Gauge, Wt. 1 lb (.45 kg) 2230007 — Cutterhead Gauge, Wt. 1 lb (.45 kg). 2258005 — Heavy Duty Knife Grinding and Jointing Attachment with indexing mechanism. (Specify Belted or Direct Drive.)
Wt. 90 lbs (40.8 kg).
2292019 — Shaving Hood (6" (152.40 mm) outlet size) Wt. 15 lbs (6.8

2393004 - Extra set of Knives (3 high speed, heat treated M-2 Tool Steel) Wt. 21/2 lbs (1.13kg).

2397061 - Kit, Conversion, sectional chipbreaker and infeed roller. (Retro-fit.)

3250015 - Belt Guard for 3600 RPM (376.99 rad/s) Motor. 3717026 - 2-Grove B-section Motor Pulley for 3600 RPM (376.99

SPECIFICATIONS

Knives, 3, high speed steel16¼" x 1¼" x 5/32" (412.75mm x 31.75mm x 3.97mm)

 Feed rolls
 23/16* (55.56mm)

 Bed rollers
 2" (50.80mm)

 Variable speed feed range
 15FPM (76.20mm/s)

..... to 37FPM (187.96mm/s)

 Stock thickness range
 .//w" (3.18mm) to 6" (152.40mm)

 Widest planable stock
 .16" (406.40mm)

 Shortest planable stock butted
 .4" (101.60mm)
 Motors recommended for:

First to Offer Quick-Set Table Roll Adjustment as Standard Equipment!!

DIE

"THE QUIET ONE"

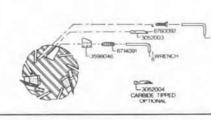
In order to comply with user and Federal Government demands for Planer noise reduction, Powermatic Engineering has done it again! Determined to avoid the complications of sharpening and replacing knives in spiral type cutterheads, this fantastic NEW single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular grinding and jointing attachment.

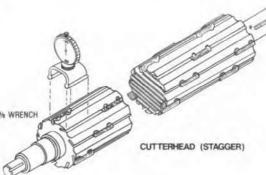
Major noise reduction has resulted from the new stagger mount (patented) blade arrangement, and the addition of curtains of accoustical material at entrance and exit areas serve to contain sounds generated within the machine, again reducing the noise level pressure.

Shown with optional knife grinding and jointing attachment and dusthood and sound curtain.

"THE QUIET ONE" cutterhead knives are set, secured and adjusted in a minimum of time.

Each blade is inserted, locked or adjusted with individual jack screws, retainer plugs and lock screws. Remove or replace individual blades easily and quickly.







Knife Grinder and Jointer — (optional). Ideally suited for precision sharpening of knives without removal from the head. Heavy 5¼" (133.35mm) wide guide bar prevents chatter of the jointing head.



Belted Feed Drive Assembly — Is simple and trouble free. A combination of variable speed pulleys, V-belts, and heavy pitch gears provide smooth, dependable, feed rates without use of expensive and troublesome transmissions and gear-boxes.



"Quik-Set" feature offers lever controlled table roll height adjustment from 0" to 040" (1.02mm) at a touch. Quik-Set eliminates friction and constant under-the-table roll adjustments.



The Quiet Cutterhead — an exclusive feature with Powermatic effectively reduces the noise level of this machine in both idle and cutting conditions. Stagger mounted knives provide a quiet cutting action WITHOUT use of a spiral cutterhead. High-Speed Steel Knives (standard equipment) may be sharpened in the cutterhead through use of the regular Knife Grinding and Jointing attachment. It is NOT necessary to remove either knives or cutterhead to sharpen.

FEATURES

FRAME: Precision machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support. One piece 38" x 28" (965.20 mm x 711.20 mm) cast iron base.

BED: 16" x 311/2" (406.40mm x 800.10mm) accurately machined with extra heavy rib-reinforcing for perfect alignment always. Bed raises and lowers on large acme-thread screws mounted on enclosed thrust

Convenient hand-wheel adjusts bed through full 6" (152.40 mm) range. Adjacent front-mounted gauge is calibrated for quick easy reading.

CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 24 High-Speed steel knife segments, stagger mounted to create a spiral cutting concept. This exclusive design reduces noise during planing operations through more but smaller bites as knives contact material surface. Cutterhead is mounted in sealed ball bearings requiring no lubrication.

New Jack Screws adjust blades down as well as up thereby holding blade in cutterhead until screw is removed; an added safety feature to help prevent knives from being thrown from cutterhead.

New blade retainers are plug type that the centrifugal force of the turning cutterhead tend to wedge tighter.

CHIPBREAKER: Swings concentric to cutterhead and mounted just forward of the knife-cutting circle, solid or sectional.

POWER FEED CONTROL: Variable speed pulley affords a complete range of feed from 15 to 37 feet per minute (76.20 mm x 187.96 mm).

STOCK CAPACITY: Surfaces stock up to 16" (406.40 'mm) wide and from 1/8" to 6" (3.18 mm to 152.40 mm) thick.

DRIVES: Belted drive cutterhead is driven by V-belts from motor mounted on the side of machine.

POWER: 3HP (2.238 kw) motor is recommended for light and medium work, such as pattern shops, schools, etc. 5HP (3.730 kw) motor is recommended for heavier requirements and production work. 1 or 3-phase motors available.

STANDARD EQUIPMENT

MODEL Q160 PLANER: Complete with 24 high-speed steel knives, sealed ball bearing cutterhead, knife setting gauge, jack screws, cutterhead and motor pulley, 2 drive belts, Quik-set table roll adjustment, motor base, set of wrenches, belt guard. Less: Motor and Controls.

BASIC MACHINES

1600130-Complete Model Q160, 16" Planer with all standard equipment. Less: Motor and Controls

1600150-Same as 1600130 except w/sectional infeed roll and chipbreaker.

-MOTORS FOR USE WITH MODEL 160 PLANERS -

1 Phase 6472013 — 3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 230v, TEFC, 182T frame.

5HP (3.730kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v, 6472328 TEFC, 184T frame.

3 Phase

3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 182T frame. 6472026 -

3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, 6472027 -TEFC, 182T frame.

-5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 184T frame. -5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, 6472319 -

6472320

TEFC, 184T frame.
7½HP (5.595 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 213T frame.
7½HP (5.595 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 213T frame. 6472507

6472512

CONTROLS FOR USE WITH MODEL 160 PLANERS

1 Phase 2398189

 Magentic Controls, 115/230v.
 Magnetic Controls, 115/230v, w/24v transformer. 2398494

2398186 — Magnetic Controls, 200/230/460/575v.

2398230 - JIC Controls, 200/230/460/575v: Class 1 only

2398498 — Magnetic Controls, 200/230/460/575v, w/24v transformer. 9100002 — Conduit in lieu of Standard Wiring.

*May Be Specified With 110v Transformer.

OPTIONAL ACCESSORIES

2230002-Bed and Feed Roll Gauge. Wt. 1 lb (.45 kg)

2230007-

-Cutterhead Gauge, Wt. 1 lb (45 kg).

-Heavy Duty Knife Grinding and Jointing Attachment with Indexing Mechanism. For use with HIGH-SPEED STEEL KNIVES only. Wt. 90 lbs (40.8 kg)-order Diamond wheel for grinding carbide knives.

2393011 - Set of 24 High-Speed Steel Knives.

2393016-Set of 24 Carbide Tipped Knives

2397040-Shaving Hood and Sound Insulation Kit.

2397061 - Kit, Conversion, Sectional Chipbreaker and Infeed Roller. (Retro-Fit) 3250015-Belt Guard for 3450 RPM Motor Wt. 5 lbs (2.3 kg).

9100007-Carbide knives in lieu of H-SS

6900031-Diamond Grinding wheel for use on carbide knives

Bed
Recommended cutterhead speed, Belted drive
Belted drive
Knives, Size 3/16" x 1" x 21/4" (4.76 mm x 25.40 mm x 57.15 mm)
Feed rolls
Bed rollers
Variable speed feed range
Maximum depth of cut
Stock thickness range
Widest planable stock

Shortest planable stock, butted	mm)
Motors recommended for:	
Light & medium work	nm) kw)
Weight, export boxed with motor (63.9 cu ft (1.808 mm)	Ann
Weight, net, less motor	kg)
Weight, net, with motor	App.



The Model 180 Planer is a "Big Brother" to the Model 160 shown on page 31.

The capacity is increased to plane material 18" x 6" (457.20 mm x 152.40 mm). It is even more ruggedly constructed to handle this heavier work load with the same assurance of top performance.

With the same but proportionately larger features and accessories, here is a machine that takes its place in industry for a wide variety of planing requirements. Unexcelled for school applications.



Knife Grinder and Jointer (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5½" (133.35mm) wide guide bar prevents chatter of the jointing head.

Quik-Set Table Roll Adjustment Standard Equipment



"Quik-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. Quik-Set eliminates friction and constant under-the-table roll adjustments.



Feed Speed Adjustable from 15 to 37FPM (76.20mm/s to 187.96mm/s) with variable speed pulley. Sets quickly for every stock or finish requirement.



Belted Feed Drive Assembly is simple and trouble free. A combination of variable speed pulleys, V-belts, and heavy pitch gears provide smooth dependable feed rates without use of expensive and troublesome transmissions and gear boxes.

- FEATURES -

FRAME: Exceptionally heavy cast iron frame with one-piece cast iron base, 32" x 41" (812.80 mm x 1041.40 mm). Frame has extra wide side panels with gibs to support planer bed.

BED: Heavy, substantially ribbed, accurately machined. Table size, 18" x 32" (457.20 mm x 812.80 mm). Bed raises and lowers on large acme-thread screws mounted on enclosed thrust bearings.

CUTTERHEAD: 3 knife, safety type, with 4" (101.60 mm) cutting circle, fitted with 3 high speed, heat treated M-2 Tool Steel knives. Cutterhead has milled slots, is precision balanced and is mounted in heavyduty ball bearings.

FEED ROLLS: Upper feed rolls 23/16" (55.56 mm) diameter, milled from solid steel. Have 56" (15.88 mm) yield. Driven by V-belts from cutterhead spindle to oversize machined gears.

SOLID PRESSURE BAR: Mounted concentric to cutterhead and fitted close to knife cutting circle. Bar has extra wide foot for long wear. Can be adjusted on both ends for perfect alignment.

CHIPBREAKER: The chipbreaker swings concentric to the cutterhead and fits very close to the knifecutting circle, solid or sectional.

RATE OF SPEED ADJUSTMENT: A complete range from 15 to 37 feet per minute (76.20 mmx 187.96 mm) is offered with the use of variable speed pulley.

DRIVES: Cutterhead is driven with V-belts from motor mounted on the side of machine. Cutterhead speed, 4800 RPM (502.65 rad/s).

KNIFE GRINDING AND JOINTING ATTACHMENT: The Model 180 knife grinding and jointing attachment is mounted on an extra heavy 51/4" (133.35 mm) bar, precision ground for accuracy. The grinder bar is mounted in a permanent position on the machine and grinder or jointer are easily removed from bar when not in use.

STANDARD EQUIPMENT

MODEL 180 — 18" PLANER: 3 high-speed, heat treated M-2 Tool Steel Knives, sealed Ball Bearing Cutterhead, Knife setting Gauge,

Jack Screws, Cutterhead Pulley, Motor Mount Base, Motor Pulley, Belts, set of Wrenches and Quik-set Table Roll Adjustment. Less: Motor and Controls.

BASIC MACHINES

1800050-Model 180, BELTED DRIVE 18" x 6" (457.20 mm x 152.40 mm) Single Surface Planer with all standard equipment. Less Motor and

1800170-Same as 1800050 except with sectional Infeed roll and Chipbreaker.

MOTORS FOR USE WITH MODEL 180 PLANER

1 Phase

6472013 — 3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 230v, TEFC, 182T frame. 6472328 — 5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v,

TEFC, 184T frame.

3 Phase

3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 182T frame. 6472026 -

3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200 v, 6472027 TEFC, 182T frame.

6472319 — 5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 184T frame. 6472320 — 5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200 v.

TEFC, 184T frame. 7½HP (5.595 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 213T frame. 6472507 -

6472512 - 71/2HP (5.595 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 213T frame.

CONTROLS FOR USE WITH MODEL 180 PLANER

1 Phase

2398189 — Magnetic Controls, 115/230v.

2398494 - Magnetic Controls, 115/230v, w/24v transformer.

*May be specified with 110v transformer.

3 Phase

2398186 -Magnetic Controls, 200/230/460/575v.

- JIC Controls, 200/230/460/575v: Class 1 only. 2398230

Magnetic Controls, 200/230/460/575v, w/24v transformer.

Conduit in lieu of standard wiring.

- OPTIONAL ACCESSORIES -

2230002 — Bed and Feed Roll Gauge. Wt. 1 lb .45 kg.)
2230007 — Cutterhead Gauge. Wt. 1 lb (.45 kg).
2258005 — Heavy Duty Knite Grinding and Jointing Attachment with indexing mechanism. Wt. 90 lbs (40.8 kg).
2292020 — Shaving Hood (6" (152.40 mm) outlet size). Wt. 15 lbs (6.8 kg). (6.8 kg).

2393005 — Extra set of Knives, 3 highspeed, heat treated M-2 Tool Steel, Wt. 2½ lbs (1.1 kg).

Kit, Conversion, Sectional Chipbreaker and Infeed 2397062 -Roller (Retro-Fit)

Belt Guard for 3600 RPM (376.99 rad/s) Motor. Wt. 6 lbs 3250015 --

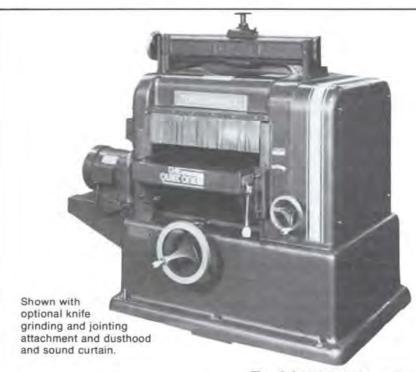
3717026 - 2-Groove B-section Motor Pulley for 3600 RPM (376.99 rad/s) Motor. Wt. 3 lbs (1.4 kg).

SPECIFICATIONS

Recommended cutterhead speed Belted drive Knives, 3 high speed steel ..18" x 11/4" x 5/32" (457.20 mm x 31.75 mm x 3.97 mm) Feed rollers 2³/₁₆" (55.56 mm) Bed rollers 2" (50.80 mm)

.1/2" (12.70 mm) Maximum depth of cut Motors recommended for: Light and medium work3HP (2.238 kw) to 5HP (3.730 kw) .71/2 HP (5.595 kw) Heavy duty work . Weight, domestic crated, with motor .1255 lbs (569.3 kg) Weight, export crated, with motor (63.9 cu ft (1.808 mm)

Knife cuts per minute, Belt drive14,400 All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.





The Quiet Cutterhead — an exclusive feature with Powermatic effectively reduces the noise level of this machine in both idle and operating conditions. Stagger mounted knives provide a quiet cutting action WITHOUT use of a spiral cutterhead. High-Speed Steel Knives (standard equipment) may be sharpened in the cutterhead through use of the regular Knife Grinding and Jointing Attachment. It is not necessary to remove either knives or cutterhead to sharpen.

In order to comply with user and Federal Government demands for Planer noise reduction, Powermatic Engineering has done it again! Determined to avoid the complications of sharpening and replacing knives in spiral type cutterheads, this fantastic NEW single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular grinding and jointing attachment.

Major noise reduction has resulted from this new stagger mount (patented) blade arrangement, and the addition of curtains of accoustical material at entrance and exit areas serve to contain sounds generated within the machine, again reducing the noise level pressure.



Knife Grinder and Jointer (optional) mounts permanently to the main frame. Ideally suited for precision sharpening of knives without removal from head. Heavy 5¼" (133.35mm) wide guide bar prevents chatter of the jointing head.



"Quik-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02mm) at a touch. Quik-Set eliminates friction and constant under-the-table roll adjustments.



Feed Speed Adjustable from 15 to 37 feet per minute (76.20 mm to 187.96 mm) with variable speed pulley. Set quickly for every stock or finish requirement.



Beited Feed Drive Assembly is simple and trouble free. A combination of variable speed pulleys, V-beits, and heavy pitch gears provide smooth dependable feed rates without use of expensive and troublesome transmissions and gear-boxes.

FEATURES

FRAME: Exceptionally heavy cast iron frame with one-piece cast iron base, 32" x 41" (812.80 mm x 1041.40 mm). Frame has extra wide side panels with gibs to support planer bed.

BED: Heavy, substantially ribbed, accurately machined. Table size, 18" x 32" (457.20 mm x 812.80 mm). Bed raises and lowers on large acme-thread screws

mounted on enclosed thrust bearings.

CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 27 High-Speed steel knife segments, stagger mounted to create a spiral cutting concept. This exclusive design reduces noise during planing operations through more but smaller bites as knives contact material surface. Cutterhead is mounted in sealed ball bearings requiring no lubrication.

New Jack Screws adjust blades down as well as up thereby holding blade in cutterhead until screw is removed; an added safety feature to help prevent knives from being thrown from cutterhead.

New blade retainers are plug type that the centrifugal force of the turning cutterhead, tend to wedge tighter.

FEED ROLLS: Upper feed rolls 2 3/16" (55.56 mm) diameter, milled from solid steel. Have %" (15.88 mm) yield. Driven by V-belts from cutterhead spindle to oversize machined gears.

SOLID PRESSURE BAR: Mounted concentric to cutterhead and fitted close to knife cutting circle. Bar has

extra wide foot for long wear.

CHIPBREAKER: The chipbreaker swings concentric to the cutterhead and fits very close to the knifecutting circle. Solid or sectional

RATE OF SPEED ADJUSTMENT: A complete range from 15 to 37 feet per minute (76.20 mm x 187.96 mm) is offered with the use of variable speed pulley.

DRIVES: Cutterhead is driven with V-belts from motor mounted on the side of the machine. Cutterhead speed, 3600 SFM (18,288 m/s).

STANDARD EQUIPMENT

MODEL Q180 PLANER: Complete with 27 high-speed Steel Knives, sealed ball bearing cutterhead, knife setting gauge, jack screws, cutterhead and motor pulley, 2 drive belts, Quik-set table roll adjustment, motor base, set of wrenches, belt guard. Less: Motor and Controls

BASIC MACHINES

1800160-Model Q180 Belt Driven Planer with all standard equipment. Less: Motor and Controls

1800180—Same as 1800160 except with sectional infeed roll and chipbreaker.

MOTORS FOR USE WITH MODEL 180 PLANER -

1 Phase

3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 6472013 -230v, TEFC, 182T frame.

5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 184T frame. 3Phase

6472026

3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 182T frame. 6472027 -3HP (2.238 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v. TEFC, 182T frame.

6472319 - 5HP (3.730 kw), 60 Hz, 3600 RPM 376.99 rad/s), 230/460v, TEFC, 184T frame

6472320 5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v,

TEFC, 184T frame. 7½HP (5.595 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 213T frame. 6472507 -

6472512 -71/2HP (5.595 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200 v. TEFC, 213T frame.

CONTROLS FOR USE WITH MODEL 180 PLANER

1 Phase

2398189 — Magnetic Controls, 115/230v, 2398494 — Magnetic Controls, 115/230v, w/24v transformer.

*May Be Specified With 110v Transformer

Magnetic Controls, 220/230/460/575v.

2398230 - JIC Controls, 200/230/460/575v: Class 1 only

2398498 Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100002 - Wired in flexible metal conduit in lieu of standard wiring.

OPTIONAL ACCESSORIES -

2230002—Bed and Feed Roll Gauge. Wt. 1 lb (.45 kg) 2230007—Cutterhead Gauge. Wt. 1 lb (.45 kg).

-Heavy Duty Knife Grinding and Jointing Attachment with indexing mechanism. Wt. 90 lbs (40.8 kg) For use with high speed steel knives Order Diamond wheel for carbide knives

-Extra set of Knives (27 high speed, heat treated M-2 Tool Steel) Wt. 21/2 lbs (1.13 kg)

2392017—Set of 27 carbide tipped knives 2397041—Shaving Hood and Sound Insulation Kit.

2397062—Kit, Conversion, Sectional Chipbreaker and Infeed Roller. (Retro-Fit)

3250015—Belt Guard for 3600 RPM (376.99 rad/s) Motor. 3717026—2 Grove B-section Motor Pulley for 3600 RPM (376.99 rad/s) Motor.

9100008-Carbide knives in lieu of HSS

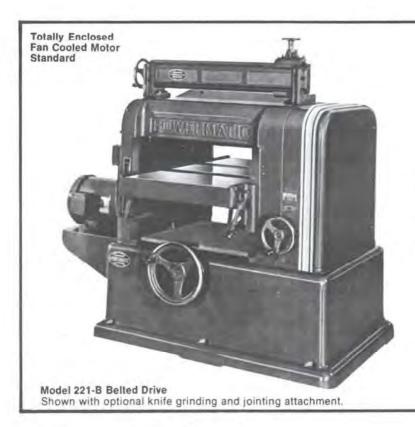
6900031-Diamond Grinding Wheel for Carbide knives

SPECIFICATIONS

Bed
Recommended cutterhead speed
Belted drive
Knives, Size 3/16" x 1" x 21/4" (4.76 mm x 25.40 mm x 57.15mm)
Feed rollers
reed foliers (35.50 min)
Bed rollers
Variable speed feed range
Maximum depth of cut

Stock thickness range
Widest planable stock
Shortest Planable stock, butted4" (101.60 mm
Shortest planable stock, not butted
Motors recommended for:
Light and medium work 3HP (2.238 kw) to 5 HP (3.730 kw
Heavy duty work
Weight domestic croted with motor 1055 the 1550 0km Ann

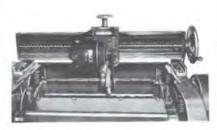
Weight, export crated, with motor (63.9 cu ft (1.808 mm)1500 lbs (680.4kg) App.



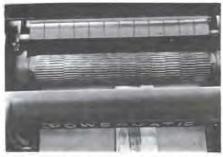
School, Millwork and Pattern Shops, as well as high production plants, have discovered that the Powermatic* 20" Planer is unsurpassed for dependable, precision performance in a wide variety of planing requirements. More weight, strength and individual desirable features make the model #221, truly the outstanding value in its class.



"Quik-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. Quik-Set eliminates friction and constant under-the-table roll adjustments



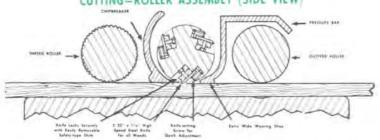
Knife Grinding and Jointing Attachment (Optional) Keeps knives with a perfect edge always! Permanently mounted, extra heavy 6" (152.40 mm) grinder bar is precision ground for smooth, accurate operation. Grinder is belt driven by 1/3 HP (.249 kw) 1-phase, 115 Volt motor. Grinder and Jointer are easily removed from bar when not in use.



Sectional Infeed Roll corrugated 4" (101.60 mm) diameter, 1" (25.40 mm) sintered nickel steel sections mounted on milled alloy steel spline shaft. Reversible without damage. Each section has independent yield ¼" (6.35 mm), necessary in running strip stock of varying thickness without dangerous kickback.

Knife Setting Made The Easiest Possible . . . Greater Precision . . .

CUTTING-ROLLER ASSEMBLY (SIDE VIEW)





Proper use of optional Micrometer Knife setting gauge will maintain equal knife height, assuring a smooth, even planed surface. Check knife height with Dial Indicator immediately upon receipt of your new machine. Knives are set approximately .125" above cutterhead surface. When knives are ground or a new set installed, care should be taken to re-set to original height.

FEATURES -

FRAME: Precision machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support and perfect alignment

BED: 20 %" x 40" (511.18 mm x 1016.00 mm), accurately machined with extra heavy rib-reinforcing for perfect alignment and maximum strength. Bed raises and lowers on large acme-thread screws, mounted on enclosed thrust bearings. CUTTERHEAD: Safety-type, milled slots, precision ground and balanced, fitted with 3 high-speed, heat treated M-2 Tool Steel knives, 5/32" x 11/4" x 20" (3.97 mm x 31.75 mm x 508.00 mm) Mounted in over-size, sealed ball bearings. 41/4" (104.78 mm) cutting circle.

FEED ROLLS: Milled from solid steel. Extra large, 4" (101.60 mm) in diameter with mounting yield of ¼" (6.35 mm). Mounted in sealed-for-life ball bearings. Feed rolls fully reversible on 3 phase current only.

Outleed Roll: Smooth, 4" (101.60 mm) diameter, solid type Infeed Roll: Corrugated, 2" (50.8 mm) sectional type standard, factory installed.

Table Rolls: Two, adjustable 244" diameter.

PRESSURE BAR: Mounted concentric to cutterhead and fitted extremely near knife cutting circle.

CHIPBREAKER: Sectional, factory installed. Swings concentric to cutterhead and mounted just forward of the knife-cutting circle.

POWER FEED CONTROL: Variable from 20 to 50 feet per minute (101, 60 mm/s to 254.00 mm/s). Driven by 1 HP (.746 kw) totally enclosed motor mounted in base. Controlled by side mounted instantly reversing drum switch.

STOCK CAPACITY: Surfaces stock up to 20" (508.00 mm) wide and from 1/4" (3.18 mm) to 8" (203.20 mm) thick.

DRIVE: Belted drive (Model 221-B) cutterhead is driven by V-Belts from motor mounted on the side of the machine.

ELECTRICALS: Machine standard equipped with magnetic controls protecting both feed and drive motor. With this safety feature, both motors shut off instantly in the event of overload, low voltage and power failure. Motors will not restart until activated by operator

STANDARD EQUIPMENT

MODEL 221 — 20" PLANER: Set of 3 high-speed, heat treated M-2 Tool Steel Knives, Sealed Ball Bearing Cutterhead, Knife setting Gauge, Jack Screws, Cutterhead Pulley, Sectional Infeed Rolls and

Chipbreaker, Motor Mount Base, 1 HP (.746 kw) Feed Drive Motor, set of Wrenches, Quik-Set Table Roll Adjustment, Motor Pulley, Belts and Belt Guard. Less: Motor and Controls.

BASIC MACHINES

1220090-Model 221, BELTED DRIVE 20" x 8" (508.00 mm x 203.20 mm) Single Surface Planer, with all standard equipment. 3 Ph infeed Motor. Less: Cutterhead Motor and Controls.

1220190—Model 221, Belted drive 20" x 8" (508.00 mm x 203.20 mm) Single Surface Planer, with all standard equipment. 1 phase infeed motor. Less: Cutterhead Motor and Controls.

MOTORS FOR USE WITH MODEL 221 PLANERS -

1 Phase Cutterhead Motors

5HP (3,730kw), 60 Hz, 3600RPM (376.99 rad/s), 230v, TEFC, 184T frame. 6472328 -

3 Phase Cutterhead Motors

5HP (3.730kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. 6472319 TEFC, 184T frame. 5HP (3.730kw), 60 Hz, 3600 RPM (376.99 rad,s), 200v,

6472320 TEFC, 213T frame. 7½HP (5.595kw), 60 Hz, 3600 RPM (376.99 rad /s), 230/460v, TEFC, 213T frame.

71/2HP (5.595kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v.TEFC 213T frame.

10HP (7.460kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/

460v, TEFC, 215T frame. 10HP (7.460kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, 6472606 TEFC, 215T frame.

Infeed Motors included with Basic Machine. Specify voltage.

CONTROLS FOR USE WITH MODEL 221 PLANERS

1 Phase

2398502 — Magnetic Controls, 115/230v.

2398503 - Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

Magnetic Controls, 200/230/460/575v.

2398501 - Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100002 - Conduit in lieu of standard wiring.

FOR JIC CONTROLS, PLEASE CONSULT FACTORY

OPTIONAL ACCESSORIES -

2230002 - Bed and Feed Roll Gauge, Wt. 1 lb (.45 kg)

Maximum depth of cut

Cutterhead Gauge. Wt. 1 lb (.45 kg). 2230007

Knife Grinding and Jointing Attachment. Wt. 100 lbs 2258006 (45.4 kg).

Shaving Hood, 6" (152.40mm) outlet. Wt. 25 lbs (11.3 kg). Set of 3 High-speed, heat treated M/2 Tool Steel Knives. 2292021 2393006 Wt. 31/2 lbs (1.6 kg)

3250064 - Belt Guard for 3600RPM (376.99 rad/s) Motor. Wt. 10 lbs

3 Groove B Section 5.45" (138,43 mm) Pulley for 3600 3717012-RPM (376.99 rad/s) Motor, Wt. 6 lbs. (2.7kg).

SPECIFICATIONS

Bed	
Cutterhead	37/a" (98.42 mm
Cutting circle	
Cutterhead speed belted drive	
Knives, 3 high-speed steel	
Carlo Landa and American	(508.00 mm x 31.75 mm x 3.97 mm
Feed rollers	4" (101.60 mm) dia
Bed rollers	
Variable speed feed range	

Shortest planable stockbutted	¼" (3.18 mm) to 8" (203.20 mm) 20" (508.00 mm) 4" (101.60 mm) 13" (330.20 mm)
Motors recommended for	
Heavy duty work	
Weight, export boxed, less motor	
83.3 cu ft (2.3588 m3) Weight, export boxed, with motor	
93.1 cu ft (2.6366 m3)	

.20 to 50 FPM (101.60 mm/s to 254.00 mm/s)

½" (12.70 mm)

14 400

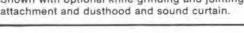
Totally Enclosed Fan Cooled Motor Standard



"THE QUIET ONE"

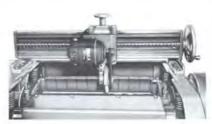
In order to comply with user and Federal Government demands for Planer noise reduction, Powermatic Engineering has done it again! Determined to avoid the complications of sharpening and replacing knives in spiral type cutterheads, this fantastic NEW single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular grinding and jointing attachment.

Major noise reduction has resulted from this new stagger mount (patented) blade arrangement, and the addition of curtains of accoustical material at entrance and exit areas serve to contain sounds generated within the machine, again reducing the noise level pressure.





"Quik-Set" feature offers level controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. Quik-Set eliminates friction and constant under-the-table roll adjustments.



Knife Grinding and Jointing Attachment (Optional) Permanently mounted, extra heavy 6" (152.40 mm) grinder bar is precision ground for smooth, accurate operation. Grinder is belt driven by 1/3 HP (.249 kw) 1-phase, 115 Volt motor. Grinder and Jointer are easily removed from bar when not in use. Must use diamond wheel to grind carbide knives.



Sectional Infeed Roll corrugated 4" (101.60 mm) diameter, 2" 50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage. Each section has independent yield of 4" (6.35 mm), necessary in running strip stock of varying thickness without dangerous kickback.



The Quiet Cutterhead — an exclusive feature with Powermatic effectively reduces the noise level of this machine in both idle and cutting conditions.

Stagger mounted knives provide a quiet cutting action WITHOUT use of a spiral cutterhead. High-Speed Steel Knives (standard equipment) may be sharpened in the cutterhead through use of the regular Knife Grinding and Jointing attachment. It is not necessary to remove either knives or cutterhead to sharpen.

ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT

MODEL

20" PLANER

FEATURES

FRAME: Precision machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support and perfect alignment.

BED: 201/6" x 40" (511.18mm x 1016.00mm), accurately machined with extra heavy rib-reinforcing for perfect alignment and maximum strength. Bed raises and lowers on large acme-thread screws, mounted on enclosed thrust bearings.

CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 30 High Speed Steel Knife segments, stagger mounted to create a spiral cutting concept. This exclusive design reduces noise level during planing operations through more but smaller bites as knives contact material surface. Cutterhead is mounted in sealed ball bearings requiring no lubrication.

New Jack Screws adjust blades down as well as up, thereby holding blade in cutterhead until screw is removed; an added safety feature to help prevent knives from being thrown from head if loose New blade Retainers are plug type that tighten from centrifugal

force of turning cutterhead

FEED ROLLS: Milled from tool steel. Extra large, 4" (101.60mm) in diameter with mounting yield of 1/4" (6.35mm). Mounted in sealed-for-life ball bearings. Feed rolls fully reversible on 3 phase current

Infeed Roll: Corrugated, 2" (50.8 mm) sectional type standard, factory installed.

Outleed Roll: Smooth 4" (101.60mm) diameter, solid type with two adjustable, 234" (69.85mm) table idler rollers.

TABLE ROLLS: Two, fully adjustable 244" diameter.

PRESSURE BAR: Mounted concentric to cutterhead and fitted extremely near knife cutting circle.

CHIPBREAKER: 2" (50.8 mm) ductile iron, sectional type with independent 36" (9.52 mm) yield. Sections are mounted on a steel bar just forward of the knife cutting circle and swing concentric to the cut-

POWER FEED CONTROL: Variable from 20 to 50 feet per minute (101.60mm/s to 254.00mm/s). Driven by 1HP (.746kw) totally enclosed motor mounted in base. Controlled by side mounted instantly reversing drum switch.

STOCK CAPACITY: Surfaces stock up to 20" (508.00mm) wide and from 1/8" (3.18mm) to 8" (203.20mm) thick.

DRIVES: Belted drive cutterhead is driven by V-Belts from motor mounted on the side of machine.

ELECTRICALS: Machine standard equipped with magnetic controls protecting **both** feed and drive motor. With this safety feature, **both** motors shut off instantly in the event of overload, low voltage and power failure. Motors will not restart until activated by operator.

STANDARD EQUIPMENT

MODEL Q221, 20" BELT DRIVEN PLANER: Complete with set of 30 High Speed Steel Knives, sealed ball bearing cutterhead, knife setting gauge, jack screws, cutterhead and motor pulley, drive belts, sectional infeed roll and chipbreaker, motor mount base, 1HP feed drive motor, Quik-Set table roll adjustment and belt guard. Less: Main Drive Motor and Controls.

BASIC MACHINES

1220300 - Model Q221, 20" Belt Driven Planer with all standard equipment, 3 Ph feed drive motor. Less: Main Drive Motor and Controls.

1220320 - Model Q221, 20" Belt Driven Planer with all standard equipment, 1 Ph feed drive motor. Less: Main Drive Motor and Controls

- MOTORS FOR USE WITH MODEL 221 PLANERS

1 Phase Cutterhead Motors

5HP (3,730kw), 60 Hz, 3600RPM (376.99 rad/s), 230v, TEFC, 184T frame. 6472328 -

3 Phase Cutterhead Motors 5HP (3.730kw), 60,Hz, 3600RPM (376.99 rad/s), 230/460v,

6472319 -

TEFC, 184T frame. 5HP (3.730kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, 6472320

TEFC, 184TC frame.

6472507 — 7½HP (5.595kw), 60 Hz, 3600RPM (376.99 rad/s), 230/460v, TEFC, 213T frame.
6472512 — 7½HP (5.595kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, TEFC, 213T frame.
6472604 — 10HP (7.460kw), 60 Hz, 3600RPM (376.99 rad/s), 230/460v, TEFC, 215T frame.
6472606 — 10HP (7.460kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, TEFC, 215T frame.

Infeed Motors included with Basic Machine, Specify voltage.

CONTROLS FOR USE WITH MODEL 221 PLANERS

1 Phase 2398502 - Magnetic Controls, 115/230v.

2398503 — Magnetic Controls, 115/230v, w/24 transformer.

FOR JIC CONTROLS, PLEASE CONSULT FACTORY

3 Phase

2398195 - Magnetic Controls, 200/230/460/575v.

2398501 — Magnetic Controls, 200/230/460/575v, w/24v transformer.
 9100002 — Wired in flexible metal conduit in lieu of standard wiring.

*May be specified with 110v transformer.

- OPTIONAL ACCESSORIES

2230002—Bed and Feed Roll Gauge, Wt. 1 lb (.45 kg).
2230007—Cutterhead Gauge, Wt. 1 lb (.45 kg).
2258006—Knife Grinding and Jointing Attachment. For use with HIGH SPEED STEEL KNIVES. Order diamond wheel for carbide knives. Wt. 100 lbs

(45.4 kg). 2393013—Set of 30 High Speed Steel Knives. 2393018-Set of 30 Carbide Tipped Knives.

2397042—Shaving Hood and Insulation Kit.
3250064—Belt Guard. Wt. 10 lbs (4.5 kg).
3717012—3-Grove B-Section 5.45" (138.43 kg) Pulley for 3600 RPM (376.99)
Motor. Wt. 6 lbs (2.7 kg).
9100009—Carbide knives in lieu of HSS.

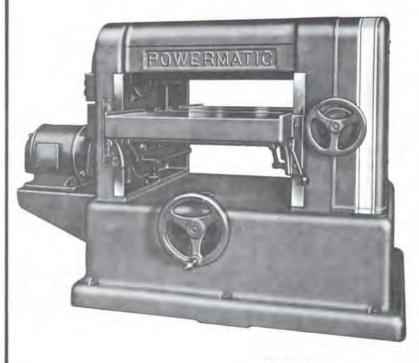
6900031-Diamond grinding wheel.

-SPECIFICATIONS -

Bed . Bed Cutterhead Cutting circle. Cutterhead speed3600SFM (18.288 m/s) Maximum depth of cut ½" (12.70mm) Stock thickness range%" (3.18mm) to 8" (203.20mm)

Weight, export boxed, less motor 83.3 cu ft (2.3588 m3) 2100 lbs (952.4kg) App.

Weight, export boxed, with motor 93.1 cu ft (2.6366 m3) .2280 1lb (1034.2kg) App.



Model 225-B, Belted Drive

Adjust from rough to semi-finished stock in a second!

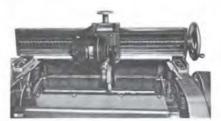
big, rugged . . . for cabinetry and high production accuracy

Regardless of the stock, from heavy, structural laminates to finished glued panels... the Powermatic 24" planer has proved highly dependable for unerring accuracy and extremely smooth surfacing qualities.

In finer cabinet work, the precision performance of this planer cuts finishing time to the bare minimum. Its big capacity assures a maximum range of flexibility as important for the smaller shop as it is for the larger industrial operation.



"Quik-Set" leature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. If you are tired of the 'push-pull" planing method. Quik-Set eliminates friction and constant under-the-table roll adjustments.



Knife Grinding and Jointing Attachment (Optional) Keeps knives with a perfect edge always! Permanently mounted, extra heavy 6" (152.40 mm) grinder bar is precision ground for smooth, accurate operation. Grinder is belt driven by 1/3 HP (.248 kw); 1-phase, 115 Volt motor. Grinder and Jointer are easily removed from bar when not in use.



Sectional Infeed Roll corrugated 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage, Each section has independent yield of ¼" (6.35 mm), necessary in running strip stock of varying thickness without dangerous kickback.



Knife Indexer

Quick acting plunger type indexing locks cutterhead securely for grinding knives. Predetermined and pre-set stops properly position knife.



Variable Feed Control
Hand wheel is easy to reach,
easy to set. Adjusts rate of
feed from 20 to 100FPM
(101,60mm/s to 508,00mm/s).

FEATURES:

FRAME: Precision machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support and perfect alignment. One-piece base.

BED: 24" x 48" (609.60 mm x 1219.20 mm), accurately machined with extra heavy rib reinforcing for perfect alignment and maximum strength. Surface precision ground from a one-piece casting. Bed raises and lowers on large acme-thread screws mounted on enclosed thrust bearings.

Convenient handwheel adjusts bed through full 8"

(203.20 mm) range.

CUTTERHEAD: Safety-type, milled slots, precision ground and balanced, fitted with 4 high-speed heat treated M-2 tool steel knives, 5/32" x 1/4" x 24" (3.97 mm x 31.75 mm x 609.60 mm). Mounted in over-size, sealed ball bearings. 43%" (111.12 mm) cutting circle.

Infeed Roll: Corrugated 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage to springs on 3 phase motors only.

Outfeed Roll: Smooth, 4" (101.60 mm) diameter solid

TABLE ROLLS: Two adjustable, 4" (101.60 mm) diameter, power driven rolls.

PRESSURE BAR: Mounted concentric to cutterhead

and fitted extremely near knife-cutting circle. The bar has extra wide foot for long wear.

CHIPBREAKER: 2" (50.8 mm) ductile iron, sectionaltype with independent 1/4" (6.35 mm) yield. Sections are mounted on a steel bar just forward of the knife-cutting circle and swing concentric to the cutterhead.

POWER FEED CONTROL. Variable speed pulley affords complete range of feed from 20 to 100 feet per minute (101.60 mm/s to 508.00 mm/s). Driven with 11/2-HP (1.119 kw) totally enclosed motor mounted in machine base.

POWER: 5 HP (3.730 kw) motor is recommended for light and medium work loads. For extra heavy and high production requirements, the 71/2 to 15 HP (5.59 kw to 11.190 kw) motor is recommended.

ELECTRICALS: Machine standard equipped with magnetic controls protecting both feed and drive motor. With this safety feature both motors shut off instantly in the event of overload, low voltage or power failure. Motors will not restart until activated by the operator.

STANDARD EQUIPMENT

MODEL 225 - 24" PLANER: Set of 4 high-speed, heat treated M-2 Tool Steel Knives, 4-Knife round Cutterhead mounted in sealed ball bearings, Knife setting Gauge, Jack Screws, Cutterhead Pulley,

Sectional Infeed Rolls and Chipbreaker, Motor Mount Base, 11/2 HP Feed Drive Motor, set of Wrenches, Motor Pulley, Belts and Belt Guard, Less: Cutterhead Motor and Controls.

BASIC MACHINES

1240040 - Model 225, BELTED DRIVE 24" x 8" (609.60mm x 203.20 mm) Single Surface Planer, with all standard equipment and 3 Phase Infeed Motor, Less: Cutterhead Motor and Controls.

1240110 - Model 225, DIRECT DRIVE 24" x 8" (609.60mm x 203.20 mm) Single Surface Planer, with all standard equipment and 3 Phase Infeed Motor. Less: Cutterhead Motor and Controls.

1240130 - Model 225, BELTED DRIVE 24" x 8" (609.60mm x 203.20mm) Single Surface Planer, with all standard equipment and 1 Phase Infeed Motor, Less: Cutterhead Motor and Controls.

1240150 - Model 225, DIRECT DRIVE 24" x 8" (609.60mm x 203.20mm) Single Surface Planer, with all standard equipment and 1 Phase Infeed Motor, Less: Cutterhead Motor and Controls.

CONTROLS FOR USE WITH MODEL 225 PLANERS-

1 Phase

Magnetic Controls, 115/230v. 2398502 -

*2398503 — Magnetic Controls, 115/230v, w/24v transformer.

2398195 Magnetic Controls, 200/230/460/575v.

2398501 -Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100002 - Conduit in lieu of Standard Wiring.

*May be specified with 110v control

(FOR JIC CONTROLS, PLEASE CONSULT FACTORY)

OPTIONAL ACCESSORIES

2068001 — Cutterhead Brake. Wt. 6 lbs (2.7 kg). 2230002 — Bed and Feed Roll Gauge, Wt. 1 lb (.45 kg). 2230007 — Cutterhead Gauge. Wt. 1 lb (.45 kg). 2258007 — Knife Grinding and Jointing Attachment. Wt. 105 lbs (47.6 kg)

Shaving Hood, 8" (203.20mm) outlet. Wt. 30 lbs (13.6 kg).

2393008 -Set of 4 high-speed, heat treated M-2 Tool Steel Knives.

Wt. 51/2 lbs (2.5kg)

Belt Guard for 3600 RPM (376.99 rad/s) Motor. Wt. 10 lbs 3250064 -

3717012 -3 Groove B-Section 5.45" (138.43mm) Pulley for 3600 RPM (376.99 rad/s) Motor. Wt. 6 lbs (2.7 kg).

24" PLANER

MOTORS FOR USE WITH MODEL 225 PLANERS

1 Phase	Cutterhead	Motors
---------	------------	--------

6472328 — 5HP (3.730kw), 60 Hz, 3600RPM (376.99 rad/s), 230v, TEFC, 184T frame.

3 Phase Cutterhead Motors

6472319 — 5HP (3.730kw), 60 Hz, 3600RPM (376.99 rad/s), 230/460v 184T frame.

6472320 — 5HP (3.730kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, TEFC, 184T frame.

6472507 — 71/2HP (5.595kw), 60 Hz, 3600RPM (376.99 rad/s),

230/460v, TEFC, 213T frame. 6472512 — 7½HP (5.595kw) 60 Hz, 3600RPM (376.99 rad/s), 200v, 213T frame. 6472604 - 10HP (7.460kw), 60 Hz, 3600RPM (376.99 rad/s),

230/460v, TEFC, 215T frame. 6472606 — 10HP (7.460kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, TEFC, 215T frame.

6472702 — 15HP (11.190kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, TEFC, 254T frame.

6472703 — 15HP (11.190kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, TEFC, 254T frame.

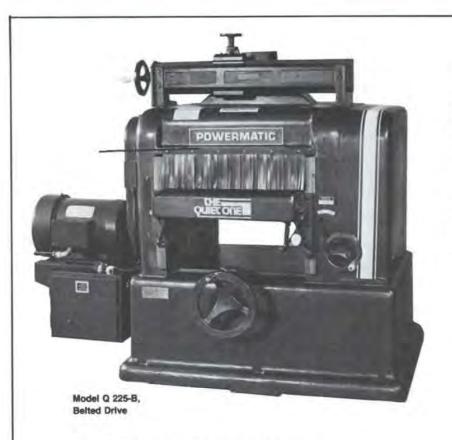
(15HP Motor Available on Belted Drives Only)

Infeed Motors included with Basic Machines. Specify voltage.

SPECIFICATIONS:

Bed
Cutterhead
Cutting circle
Recommended cutterhead speed,
belted drive
Knives (4), high-speed steel
Feed rollers
Bed rollers
Variable speed feed range
Knife-cuts-per-minute,
belted drive
direct drive14,400

Maximum depth of cut
Stock thickness range
Widest planable stock
Shortest planable stock, butted
Shortest planable stock, not butted
Motors recommended for:
Light and medium work 5HP (3.730kw) to 71/2HP (5.595kw)
Heavy duty work
Weight, export boxed, less motor (92.1 cu ft (2.6083m3)
Weight, export boxed, with motor (123.8 cu ft (3.506m3)
Weight, domestic crated, with motor



"THE QUIET ONE"

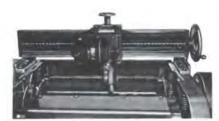
In order to comply with user and Federal Government demands for Planer noise reduction, Powermatic Engineering has done it again! Determined to avoid the complications of sharpening and replacing knives in spiral type cutterheads, this fantastic NEW single surface planer still utilizes the straight knife slot, maintaining simple knife installation and sharpening through use of the regular grinding and jointing attachment.

Major noise reduction has resulted from this new stagger mount (patented) blade arrangement, and the addition of curtains of accoustical material at entrance and exit areas serve to contain sounds generated within the machine, again reducing the noise level pressure.

Shown with optional knife grinding and jointing attachment and dusthood and sound curtain.



"Quik-Set" feature offers lever controlled table roll height adjustment from 0" to .040" (1.02 mm) at a touch. If you are tired of the "push-pull" planing method. Quik-Set eliminates friction and constant under-the-table roll adjustments.



Knife Grinding and Jointing Attachment (Optional) Keeps knives with a perfect edge always! Permanently mounted, extra heavy 6" (152.40 mm) grinder bar is precision ground for smooth, accurate operation. Grinder is belt driven by 1/3 HP (.248 kw), 1-phase, 115 Volt motor. Must use diamond wheel to grind carbide knives.



Sectional Inteed Rolls are corrugated, 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage. Each section has independent yield of ¼" (6.35 mm), necessary in running strip stock of varying thickness without dangerous kickback.



(Optional) Shaving Hood and sound curtain kit designed to further reduce noise levels by containing sound within machine. Order with machine if dust collecting system is available.



ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT

The Quiet Cutterhead — An exclusive feature with Powermatic effectively reduces the noise level of this machine in both idle and cutting conditions. Stagger mounted knives provide a quiet cutting action WITHOUT use of a spiral cutterhead. High Speed Steel Knives (standard equipment) may be sharpened in the cutterhead through use of the regular Knife Grinding and Jointing attachment.

FEATURES

FRAME: Precision machined from extra heavy cast iron. Extra wide side panels with gibs offer rigid bed support and perfect alignment. One-piece base

BED: 24" x 48" (609.60 mm x 1319.20 mm), accurately machined with extra heavy rib-reinforcing for perfect alignment and maximum strength. Surface precision ground from a one-piece casting. Bed raises and lowers on large acme-thread screws mounted on thrust bearings.

CUTTERHEAD: Safety-type, milled from medium carbon steel and fitted with 36 High Speed Steel Knife segments, stagger mounted to create a spiral cutting concept. This exclusive design reduces noise during planing operation through more but smaller bites as knives contact material surface. Cutterhead is mounted in sealed ball bearings requiring no lubrication.

New Jack Screws adjust blades down as well as up, thereby holding blade in cutterhead until screw is removed; an added safety feature to help prevent knives from being thrown from head if loose.

New BLADE RETAINERS are plug type that the centrifugal force of the turning

cutterhead tend to wedge tighter Infeed Roll: Corrugated 4" (101.60 mm) diameter, 2" (50.8 mm) cast iron sections mounted on milled alloy steel spline shaft. Reversible without damage to springs on 3 phase motors only

Outleed Roll: Smooth 4" (101.60 mm) diameter solid type.

TABLE ROLLS: Two, adjustable, 4" (101.60 mm) diameter, power driven rolls. PRESSURE BAR: Mounted concentric to cutterhead and fitted extremely near knife-cutting circle. The bar has extra wide foot for long wear

CHIPBREAKER: 2" (50.8 mm) ductile iron, sectional-type with independent 1/4" (6.35 mm) yield. Sections are mounted on a steel bar just forward of the knife-cutting circle and swing concentric to the cutterhead

POWER FEED CONTROL: Variable speed pully affords complete range of feed from 20 feet per minute (101.60 mm/s) to 100 feet per minute (508.00 mm). Driven with 11/2HP (1.119 kw) totally enclosed motor mounted in machine base.

POWER: 5 HP (3.730 kw) motor is recommended for light and medium work loads. For extra heavy and high production requirements, the 71/2 to 15 HP (5.595 kw to 11.19 kw) motor is recommended.

ELECTRICALS: Machine standard equipped with magnetic controls protecting

both feed and drive motor. With this safety feature, both motors shut off instantly in the event of overload, low voltage or power failure. Motors will not restart until activated by the operator.

STANDARD EQUIPMENT

MODEL Q225, 24" PLANER - Complete with set of 36 High Speed Steel Knives, sealed ball bearing cutterhead, knife-setting gauge, jack screws, sectional infeed roll and chipbreaker, motor mount

base, 11/2HP (1.119 kw) feed drive motor, set of wrenches, motor pulley, belts and guard. (on belt drive models), Less: Cutterhead Motor and Controls.

BASIC MACHINES

1240160 — Model Q225, 24" Belt Driven Planer complete with all standard equipment and 11/2HP (1.119kw), 3 Ph feed

drive motor, Less: Cutterhead Motor and Controls. Motor Q225, '24" Belt Driven Planer complete with all 1240170 standard equipment and 11/2HP (1.119kw), 1 Ph feed drive motor. Less: Cutterhead Drive Motor and Controls.

- 1240180 Model Q225, 24" Direct Drive Planer complete with all standard equipment and 11/2HP (1.119kw), 3 Ph feed drive motor.
- Less: Cutterhead Drive Motor and Controls.

 Model Q225, 24" Direct Drive Planer complete with all standard equipment and 1½HP (1.119kw), 1 Ph feed 1240190 drive motor. Less: Cutterhead Drive Motor and Controls.

CONTROLS FOR USE WITH MODEL 225 PLANERS

1 Phase Magnetic Controls, 115/230v. 2398502 -

2398503 Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

2398195 Magnetic Controls, 200/230/460/575v

- 2398501 Magnetic Controls, 200/230/460/575v, w/Z4v transformer.
 9100002 Conduit in lieu of Standard Wiring, (FOR JIC CONTROLS, PLEASE CONSULT FACTORY)
 - *May be specified with 110v transformer.

MOTORS FOR USE WITH MODEL 225 PLANERS

1 Phase Cutterhead Motors

5HP (3.730 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230v, TEFC, 184T frame. 6472328 -

3 Phase Cutterhead Motors 6472319

5HP (3.730kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v, 184T frame.

6472320 5HP (3.730kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v,

TEFC, 184T frame. 7½HP (5.595kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 213T frame. 6472507

71/sHP (5.595kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 213T frame. 6472512

6472604 — 10Hp (7.460kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 460v, TEFC, 215T frame.

10HP (7.460kw), 60 Hz, 3600RPM (376.99 rad/s), 200v, TEFC, 215T frame. 6472606 -

15HP (11.190kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 254T frame. 6472702

15HP (11.190kw) 60 Hz, 3600 RPM (376.99 rad/s), 230/ 6472703 -460v, TEFC, 254T frame. (15HP Motor available on Belted Drives Only)

Infeed Motors included with Basic Machines. Specify voltage.

OPTIONAL ACCESSORIES

2068001—Cutterhead Brake. Wt. 6 lbs (2 7 kg). 2230002—Bed and Feed Roll Gauge. Wt. 1 lb (.45 kg) 2230007—Cutterhead Gauge. Wt. 1 lb (.45 kg)

Knife Grinding and Jointing Attachments For use with HIGH SPEED STEEL KNIVES Order diamond wheel for carbide knives. Wt. 105 lbs 2258007

(47.6 kg). -Set of 36 High Speed Steel Knives

2393019-Set of 36 Carbide Tipped Knives. 2397043-Shaving Hood and Insulation Kit. 3250064 - Belt Guard, Wt. 10 lbs (4.5 kg).

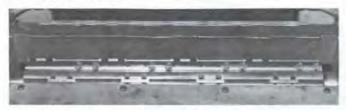
	SPEC
Bed	24" x 48" (609.60mm x 1219.20mm)
Cutterhead	
Cutting circle	
Recommended cutterhe	ad speed
belted drive	
	x 1" x 21/4" (4.76mm x 25.40mm x 57.15mm)
Feed rollers	4" (101,60mm)
Bed rollers	4" (101.60mm)
Variable speed feed rand	ge 20FPM (101.60 mm/s) to 100FPM
	(508.00 mm/s)
Maximum depth of cut	½" (12.70 mm)

	3717012—3-Grove B-Section 5.45" (138.43 mm) Pulley Wt. 6 lbs (2.7 kg) 9100010—Carbide knives in lieu of HSS. 6900031—Diamond Grinding Wheel
IC	ATIONS —
	Stock thickness range

10HP (7.460kw) to 15HP (11.190kw) Heavy duty work Weight, export boxed. Weight, export boxed, Weight, domestic crated, with motor 2885 lbs (1308.6kg) App.

"THE QUIET ONE" RETROFIT KIT FOR STANDARD PLANERS

Noise levels too high on your Powermatic Planer? OSHA on your back? Then transform your present machine into a "Quiet One". Special conversion kits are now available containing all parts necessary for field installation to drastically reduce planer noise . . . 10 to 12 decibels or more.



Kit includes cutterhead knives, jack screws, knife retainers, bearings, and couplings or pulleys, belts as required. Shaving hood kit includes accoustical barrier lined hood plus barrier curtains and mounting hardware.

*NOTE: These kits are not designed to fit old direct Drive Planers where motor and cutterhead shaft are the same. Consult Factory.

"THE QUIET ONE" RETROFIT KIT LISTINGS

For Model 100 Planer

2397046 — Conversion kit for Model 100 Planers, including cutterhead with stagger mounted, high speed steel knives and bearings.

2397055 - Shaving Hood and Curtain kit for Model 100 Planer.

For Model 160 Planer

2397047 — Conversion kit for DIRECT DRIVE Model 160 Planers, including cutterhead with stagger mounted, high speed steel knives, bearings and special flexible coupling.

2397048 — Conversion kit for BELT DRIVEN Model 160 Planers, including cutterhead with stagger mounted high speed steel knives, bearings, drive belts and pulleys as required.

2397056 — Shaving Hood and Curtain kit for Model 160 Planers.

For Model 180 Planer

2397049 — Conversion kit for DIRECT DRIVE Model 180 Planers, including cutterhead with stagger mounted high speed steel knives, bearings and special flexible coupling.

2397050 — Conversion kit for BELT DRIVEN Model 180 Planers, including cutterhead with stagger mounted high speed steel knives, bearings, drive belts and pulleys as required.

2397057 - Shaving Hood and Curtain kit for Model 180 Planers.

For Model 221 Planer

2397051 — Conversion kit for DIRECT DRIVE Model 221 Planers, including cutterhead with stagger mounted high speed steel knives, bearings and special flexible coupling.

2397052 — Conversion kit for BELT DRIVEN Model 221 Planers, including cutterhead with stagger mounted high speed steel knives, bearings, drive belts and pulleys as required.

2397058 - Shaving Hood and Curtain kit for Model 221 Planers.

Only the cutterhead conversion kit is required if you have NO dust collecting system. If your shop is equipped with dust collecting facilities, then order the cutterhead AND shaving hood kits. The addition of the shaving hood and curtain kits will further reduce the noise level.



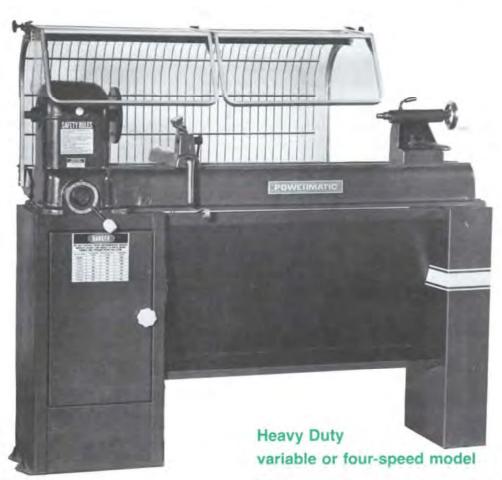
For Model 225 Planer

2397053 — Conversion kit for DIRECT DRIVE Model 225 Planers, including cutterhead with stagger mounted high speed steel knives, bearings and special flexible coupling.

2397054 — Conversion kit for BELT DRIVEN Model 225 Planers, including cutterhead with stagger mounted high speed steel knives, bearings, drive belts and pulleys as required.

2397059 - Shaving Hood and Curtain kit for Model 225 Planers.





Lathe Not Shipped Without Guard

From cabinet and school shops to industrial high production, the Powermatic* 45 is acclaimed superior in its field! The big one-piece cast iron bed and rugged reinforced steel cabinet base assure vibration-free performance on every job.

For wood turning, metal spinning, or both . . . large or small job precision performance is simple in record time, with safety.



Instant Set Speed Control is easy to read without stooping or bending. Large calibrations for fast, accurate setting.



Constant, Smooth Cutting Precision assured through non-slip drive mechanism. Cutting tool cuts freely and evenly with minimum effort.



Choice of Straight or Gap Bed. 12" (304.80mm) stock capacity over straight bed. 16" (406.40mm) stock capacity over gap.



For Slow Start Feature—Magnetic controls with special slow start feature. Specify phase desired (See page 50)

FEATURES

CAPACITY: Swing 12" (304.80 mm) over straight lathe bed; 16" (406.40 mm) over gap bed. 39" (990.60 mm) between centers.

BED: One-piece construction of finest grey iron casting, rib-reinforced for perfect alignment and maximum rigidity. Standard bed length 59" (1498.60 mm).

HEADSTOCK: Available with built-in variable speed drive from 330 to 2100 RPM (34.56 rad to 219.91 rad/s) or with four-speed drive of 600, 1100, 1800 & 3000 RPM (62.83 rad/s, 115.19 rad/s, 188.50 rad/s & 314.16 rad/s). Drive pulley spindle mounted between extra large sealed for life-ball bearings for smoother operation at any speed.

SPINDLE: 60-stop type with steel plunger-type index wheel. Machined from carbon steel and precision ground for perfect running alignment and balance. Accurately milled 1" (25.40 mm)-8 thread nose is bored for No. 2 Morse Taper. Locking pin holds spindle rigid for easy faceplate removal.

TAILSTOCK: 1" (25.40 mm) tailstock spindle is bored for a No. 2 Morse Taper. The center may be easily removed by using the large hand-wheel and tailstock screw

MOTOR DRIVE: Motor is mounted in lathe cabinet with wide V-belt and two variable sheaves (in variable speed model) or multiple mounted inverse pulleys in fourspeed model). Drive fully accessible through cover at top of lathe head and cabinet door.

LATHE BASE: Ruggedly built of heavy-gauge, reinforced steel. Designed for complete vibration-free operation. Large hinged door for quick access to motor and tool storage area in base. Full length chip deflec-

MOTOR SWITCH: Pushbutton type mounted away from exposed operational area to prevent accidental engagement. Slow start standard on variable speed models.

STANDARD EQUIPMENT

MODEL 45 LATHE: One 6" (152.40 mm) Tool Rest, one 12" (304.80mm) Tool Rest, one Cup Center, one Spur Center, one Faceplate Wrench, one 7" (177.8 mm) Face Plate, one Center Drift Rod, Index Wheel, Tool Support, Tailstock Wrench, Motor Base, V-belt, Motor Pulley and Guard. Less: Motor and Controls.

BASIC MACHINES

1450250 - Model 45 Gap Bed Lathe, with all standard equipment. 4-speed.

1450260 Model 45 Straight Bed Lathe, with all standard equipment. 4-speed.

1450270 — Model 45 Gap Bed Lathe, with all standard equipment. Variable Speed and Slo start. (Magnetic Controls only!)

Model 45 Straight Bed Lathe, with all standard equipment. Variable speed and Slo start. (Magnetic Controls

MOTORS FOR USE WITH MODEL 45 LATHES

1 Phase

6470700 -3/4HP (.56kw), 60 Hz, 1800 RPM (188.5 rad/s), 115/230v, TEFC, 56 frame.

34HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/s), 575v, TEFC, 56 frame. 6470702 -

%HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460v, TEFC, 56 frame. %HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/s), 200v, TEFC, 56 frame. 6470707 -

6470712 -

CONTROLS FOR USE WITH MODEL 45 LATHES

1 Phase

2398114 - Pushbutton Switch, 115/230v. 2398144 - Magnetic Controls, 115/230v.

2398152-Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

Pushbutton Switch, 200/230/460/575v.

*2398150—Magnetic Controls, 200/230/460/575v, w/24v transformer.

Magnetic Controls, 200/230/460/575v.

9100003-Conduit in lieu of standard wiring.

*May be specified with 110v Transformer.

Optional Accessories-(See Page 52)

SPECIFICATIONS

Overall Length
Distance between centers
Swing over bed
Swing over gap
Width of gao
Variable Speed range
Tailstock Quill travel
Spindle, inboard and outboard 1" (25.40mm)
8 Thread#2 M/T hole

3 rad/s), 1100 (115.19 rad/s), 1800 (188.50 rad/s) 3000 RPM (314.16 rad/s
d
floor
or

Export boxed, with stand and motor (49.4 cu ft (1.398 m3)



EXTRA HEAVY DUTY

The Model 90 Wood turning lathe is available in a straight or gap bed version with one of three speed ranges, 215-1375 RPM (22.5 - 144.0 rad/s) for large diameter wood turning, 330 - 2100 RPM (34.6 - 219.9 rad/s) for general purpose turning or, 460 - 3000 RPM (48.2 - 314.2 rad/s) for metal spinning. The position of the speed control handle determines the spindle RPM (rad/s) within each infinite variable speed range available. All machines are equipped with a variable speed range which gives quick and precise RPM (rad/s) settings and the ability to change speeds while under power. This system eliminates the inconveniences of step cone pulley drives. Select the speed best suited for the operation without compromise. This high performance drive is built with a ruggedness that will meet all requirements.



The Model 90 Lathe Drive System is a double reduction drive from the motor, through a jackshaft, to the headstock spindle. Isolation of the motor mount and the use of a jackshaft combine to minimize vibration.



Exclusive on the Model 90! A 5-position limit stop to enforce pre-set speeds. An asset to the school instructor who insists on good safety practices, or the foreman who pre-selects the Lathe speeds for his operators.



Choice of Straight or Gap Bed. 12" (304.80mm) stock capacity over straight bed, 17" (431.80mm) stock capacity over gap.

FEATURES

CAPACITY: Swing 12" (304.80 mm) over straight bed; 17" (431.80 mm) over gap bed. Standard bed affords full 38" (965.20 mm) between centers.

BED: One-piece construction from finest grey iron casting, rib-reinforced for perfect alignment and maximum rigidity. Standard length: 60" (1524.00 mm). HEADSTOCK: Has built-in variable speed drive to provide infinite variation covering the full speed range of the basic machine.

SPINDLE: Machined from carbon steel and precision ground for perfect running alignment and balance. Spindle nose is threaded 1½" (38.10 mm)-8 and bored for No. 2 Morse Taper. Outboarded end is threaded 11/6" -8 (28.58 mm) for outboard face plate.

Locking pin holds spindle rigid for easy face plate removal. Spindle cannot be accidentally locked while machine is in operation . . . speed range control and switch must be in "OFF" position. TAILSTOCK: The 1%" (34.92 mm) tailstock spindle is bored for No. 2 Morse Taper. Center may be easily removed by using the large hand-wheel and tailstock screw

MOTOR DRIVE: The motor bracket is isolation mounted in the top of the storage compartment in the left pedestal. The TEFC motor belt drives the jackshaft on which the driving variable speed sheave is mounted. This shaft in turn, belt drives the spindle. Drive and motor are readily accessible for service or replacement.

LATHE BASE: Wide-stance pedestal base with streamlined design. No sharp corners. Constructed from extra heavy gauge reinforced steel for perfectly rigid operation in permanent or temporary installation.

MOTOR SWITCH: Activated only by variable speed control cam. Lathe can be started only at slow speed.

STANDARD EQUIPMENT

Center Drift Rod Tool Support Base

- Tailstock Wrench

Safe Stop Speed Limiter - Faceplate Wrench

6" (152.40 mm) Tool Rest 12" (304.80 mm) Tool Rest 12" (304.80 mm) Tool Rest Cup Center

Spur Center (76.20 mm) Faceplate Motor Pulley

Set Allen Wrenches

Guard

Combination Faceplate and Handwheel

BASIC MACHINES

1900310 - Model 90 Gap Bed Lathe, with all standard equipment, 330 - 2100 RPM (34.6 - 219.9 rad/s), Less: Motor and Controls.

Model 90 Straight Bed Lathe, with all standard equip-ment, 330 - 2100RPM (34.6 - 219.9 rad/s). Less: Motor 1900320 and Controls.

Model 90 Gap Bed Lathe, with all standard equipment, 1900330 -460 - 3000RPM (482.0 - 314.2 rad/s). Less: Motor and Controls.

1900340 — Model 90 Straight Bed Lathe, with all standard equipment, 460 - 3000 RPM (482.0 - 314.2 rad/s). Less: Motor and Controls.

1-7" (177.8 mm) Faceplate

Model 90 Gap Bed Lathe, with all standard equipment, 215 - 1375 RPM (22.5 - 144.0 rad/s). Less: Motor and 1900350 -Controls

Model 90 Straight Bed Lathe, with all standard equip-ment, 215 - 1375 RPM (22.5 - 144.0 rad/s). Less: Motor 1900360 and Controls.

MOTORS FOR USE WITH MODEL 90 LATHES

6471022 -1HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 115/230v, TEFC, 56 frame.

3 Phase 6471036 - 1HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 200v,

TEFC, 56 frame. 1HP (.746 kw), 60 Hz, 1800 RPM (188.5 rad/s), 230/460v. TEFC, 56 frame. 6471037 -

CONTROLS FOR USE WITH MODEL 90 LATHES

1 Phase 2398474 - Magnetic Controls, 115/230v. 2398476 — Magnetic Controls, 115/230v, w/24v transformer. 3 Phase

2398473 — Magnetic Controls, 200/230/460/575v. 2398475 — Magnetic Controls, 200/230/460/575v, w/24v. transformer. 9100003 — Conduit in lieu of Standard Wiring.

*May be ordered with 110v transformer. Optional Accessories-(See Page 52)

SPECIFICATIONS

Overall length67	" (1701.80 mm)
Distance between centers	8" (965.20 mm)
Inboard spindle (8 thread)	1½" (38.10mm)
Outboard spindle (8 thread)	11/6" (28.58 mm)
Swing over bed	2" (304.80 mm)
Swing over gap	17" (431.80mm)
Tailstock Quill travel4	%" (111.12 mm)
Width of gap51	4" (133.35 mm)

	34.56 - 219.91 rad/s) 48.17 - 314.16 rad/s)
Height of bed from floor	22.50 - 144.00 rad/s) 36" (914.40 mm) 550 lbs (249.4 kg) 623 lbs (282.5kg) 755 lbs (342.4 kg)

LATHE ACCESSORIES

SPECIAL HIGH PERFORMANCE TURNING TOOLS

Require less tool care than standard tools.
6829019 — For #45 and #90 Lathe, wt.
4 lbs (1.8kg)

TOOL SUPPORT BASE:

For use when making extra long turnings requiring 24" (609.60mm) tool support.
2063011 — For #45 and #90 Lathe, wt. 12 lbs (5.4kg).

OUTBOARD TURNING STAND

Floor stand with offset tool holder for turning pieces larger than 12" (304.80mm) diameter. 2759009 — For # 45 and #90 Lathe, wt. 75 lbs (34.0kg).

FACE PLATE #90 #45 3" (76.20 mm) R.H. face plate 2 lbs (.9kg) ..3193005 3193001 (101.60 mm) R.H. face plate 2 lbs (.9kg)3193004 3193003 7" (177.8 mm) R. H. face plate 3½ lbs. (1.58 kg) 3193035 3193034 81/2" (215.90 mm) Outboard face plate3193010 3193016



LATHE GUARD

2250123 - For Model 45 & 90.

SLOW SPEED CONVERSION KIT

(Model 90 only) Pre-1960 .2397037 330 to 2100 RPM



CHUCKS#90 and #45

TOOL SUPPORTS #90 and #45

Lathe

CENTERS:#90 and #45 Lathe

Ball bearing tailstock center, 1 lb (.45 kg)2084002 1" (25.40 mm) spur center, 4 oz (.1 kg) ...2084001 4" (19.05 mm) cup center, 4 oz (.1 kg) ...6112002



The Wood turning Lathe Guard is designed for operator safety. Made in two sections and moveable left to right or right to left, protection is afforded the outboard faceplate by moving the left section of the guard to the extreme left. For protection of the inboard faceplate, this section is moved to the extreme right. Full work range protection is afforded by using both guard sections in the extreme right position.

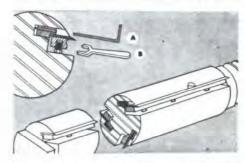
All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.



RUGGED, DYNAMIC CHAMPION

Here is one of the most versatile of all Powermatic® machines . . . equally adaptable for industrial, student training or home workshop use. Built with the strength and rigidity of much larger units, this Powermatic 6" Jointer is light enough to be moved quickly anywhere . . . from the production line to the building site. Smart, streamlined design is free of dust-catching corners and crevices . . . saves shop clean-up time!

SPEEDS ACCURATE KNIFE-SETTING



Superior Powermatic Cutterhead a standard feature. Set and secure all cutterhead knives in as little as half the time. Adjust knife support jack-screws (A) with Allen wrench and pressure-lock knife safety shim (B) with end-wrench. Cutterhead mounted in over-size sealed ball bearings. Precision ground and balanced.



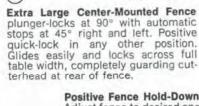
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"Skew" or Shear Cutting is easily accomplished by swiveling fence. This practice especially desirable on materials such as curly maple, cherry and fir.



(3

Adjustable Outfeed Table. Simplifies alignment of Cuterhead with outfeed table. Cuts knife adjustment time in half. (See page 58 for #150 Gage listing).



Positive Fence Hold-Down Clamp. Adjust fence to desired angle and lock the hold-down clamp. Fence will then maintain rigid horizontal alignment with the table.



FEATURES

TABLES: Fully adjustable infeed and outfeed tables are precision mounted on dove-tailed ways to form extra long 48" (1219.20mm) bed. Both tables raise and lower accurately with convenient hand-wheel. Infeed table has extra long extension rest for rabbeting.

FENCE: Over-size center-mounted fence maintains perfect alignment and rigidity when locked in any position. Tilts and positively locks at any angle from 45° left to 45° right, with plunger-type lock at 90°. Positive stops at 45° right and left. Adjustable to full width of tables.

CUTTERHEAD: Controlled Chip jack-screw type with speedy, accurate knife adjustment. Equipped with 3 high speed, heat treated M-2 tool steel knives and rugged cutterhead of the finest carbon steel, precision ground and balanced. Features a full 3" (76.20 mm) cutting arc and quiet running with a minimum of grain pull out.

All basic parts cast iron or steel, none die cast.

Rigid, reinforced cabinet-type steel base with built-in dust chute.

Extra long table extension rest for rabbeting.
 Bed is close-tolerance ground for perfect alignment.

Mounted in over-size dust-sealed ball bearings for perfect performance in continuous operation at 5000 RPM (523.6 rad/s).

DRIVE: Non-slip V-belt for utmost efficiency in any work load range. Drive, motor and switch completely enclosed in base.

POWER REQUIREMENTS: For average and heavier stock and work volume, a 34 HP (.560 kw) 1-phase or 3-phase motor is recommended.

STANDARD EQUIPMENT

JOINTER: set of 3 heat treated M-2 high speed tool steel knives, arbor pulley, center mounted fence, cutterhead guard, motor pulley, belt and wrenches, less: Stand, motor and controls. (NOTE: Belt and motor pulley supplied for 3600 RPM motor).

BASIC MACHINES

1500030 - Model 50, 6" (152.40 mm) Jointer with all standard equipment. Less: Motor, controls and enclosed steel stand

MOTORS FOR USE WITH MODEL 50 JOINTER

1 Phase -¾HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v.
 TEFC, 56 frame. 6470801 -

3/4HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 56 frame. 6470809

6470810 -3/4HP(560 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. TEFC, 56 frame.

CONTROLS FOR USE WITH MODEL 50 JOINTER -

1 Phase

Magnetic Controls, 115/230v. 2398336 -Pushbutton Switch, 115/230v. 2398369

2398487 - Magnetic Controls, 115/230v, w/24v transformer.

*May be specified with 110v transformer.

3 Phase

2398118 — Magnetic Controls, 200/230/460/575v.

JIC Controls, 200/230/460/575v 2398230

2398371 -

Pushbutton Switch, 200/230/460/575v. Magnetic Controls, 200/230/460/575v, w/24v transformer. 2398435

9100003 - Conduit in lieu of standard wiring.

OPTIONAL ACCESSORIES

Wt. 2 lbs (.9 kg) 2230001—Quick Set Knife Gauge 2397076—Cutterhead retro kit, controlled chip, 6" Wt. 6 lbs (2.7 kg) Wt. 63 lbs (28.6kg)

... Wt. Boz (.23 kg)

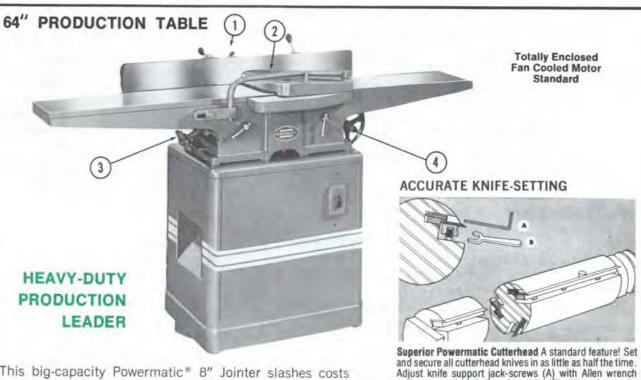
6427001-3 Heat treated M-2 high speed tool steel kn		IVE	38		
6807033-Motor Pulley 3600 RPM (376.99 rad/s)				(.45	kg)
3.50" (88.90 mm) diameter. (Specify bore)	Wt.	1	Ib	(.45	kg)

SPECIFICATIONS

Head cutting arc	7" x 48" (177.80 mm x 1219.20 mm .3" (76.20 mm
Knives (3) H.S. steel Ve' x 1/4 Speed of head (recommended)	" x 6" (3.18 mm x 19.05 mm x 152.4 mm 5000 RPM (523.6 rad/s
Maximum depth of cut	15,000 ½'' (12.70 mm)
	.0" up to ½" x 6" (12.70 mm x 152.4 mm 4" (101.60 mm) x 34½" (876.30 mm

Fence tilt, right or left	45°
Height, less stand	
Height, with stand	40" (1016 00 mm)
Motor recommended	
Weight, domestic crated, with stand & motor	
	. 290 lbs (131.5 kg) App
Weight, domestic crated, less stand	190 lbs (86.2 kg) App.
Weight, domestic crated, with stand	

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This big-capacity Powermatic 8" Jointer slashes costs and saves time on thousands of jobs daily in hundreds of production lines, sash and door plants, pattern and cabinet shops throughout the nation. An extremely powerful model, the mammoth 64" bed accommodates extra long stock requirements. Cutterhead guard has swing-away action for quick conversion to rabbeting operations.

Positive Fence Hold-Down Clamp. Adjust fence to desired angle and lock the hold-down clamp. Fence will then maintain rigid horizontal alignment with the table.

Finest carbon steel



and pressure-lock knife safety shim (B) with end-wrench.

Cutterhead mounted in over-size sealed ball bearings.

Powermatic® Knife-setting Gauge, Page 58.



Extra Large Center-Mounted Fence plunger-locks at 90" with automatic stops at 45° right and left. Positive quick-lock in any other position. Glides easily and locks across full table width, or is removable for planing wide stock.



Exclusive Swing Away Guard remains attached to machine during rabbet operations.



Adjustable Outfeed Table. Simplifies alignment of cutterhead with outfeed table. Cuts knife adjustment time in half. (See page 8-6 for #150 Gage listing).



Quick, Sure Table Adjustments on precision dovetailed ways are easy to make, easy to read. Adjustable gibs compensate for wear, guarantee alignment. Lever-lock prevents table slippage during operation.

All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice.

FEATURES

TABLES: Fully adjustable infeed and outfeed tables are mounted on dove-tailed ways to form king-size capacity 64" (1625.60mm) table surface. Both tables are quickly and accurately raised and lowered with convenient hand-wheel. For rabbeting, infeed table has extra long extension rest.

FENCE: Full length, self-aligning fence locks rigidly in any position. Tilts and positively locks at any angle. Plunger-type lock at 90°. Positive stops at 45° right and left. Single lever adjustment to full width of tables. Cutterhead at rear of fence fully guarded in all fence positions.

CUTTERHEAD: Controlled chip, quiet running jackscrew type with speedy, accurate knife adjust-

ment, Equipped with 3 high speed, heat treated M-2 tool steel knives and rugged cutterhead of the finest carbon steel, precision ground and balanced. Cutting arc is full 3" (76.20 mm) diameter mounted in over-size dust-sealed ball bearings for high efficiency in continuous operation at 5,000 RPM (523.6 rad/s).

DRIVE: Non-slip V-belts for maximum performance even under extremely heavy work load. Drive, motor, and switch completely enclosed in base.

POWER REQUIREMENTS: Designed for average, heavy and extra heavy work loads requiring 3/4HP (.560 kw), 1HP (.746 kw) 11/2HP (1.119kw), 1 or 3-phase

STANDARD EQUIPMENT

JOINTER: Set of 3 high speed, heat treated M-2 tool steel knives, 2 groove arbor pulley, center mounted fence, cutterhead, guard, motor pulley, belts and wrenches. Less Stand motor and controls (NOTE: Belts and motor pulley supplied for 3600 RPM (376.99 rad/s)

BASIC MACHINES

1610030 - Model 60, 8" (203.20mm) Jointer with all standard equipment. Less: Motor, controls, and enclosed steel stand

- MOTORS FOR USE WITH MODEL 60 JOINTERS

1 Phase

34HP (.560 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 6470801

230v, TEFC, 56 frame. 1HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/230v, 6471100

TEFC, 56 frame. 11/2HP (1.119kw), 60 Hz, 3600 RPM (376.99 rad/s), 115/ 6471400 230v, TEFC, 56 frame.

3 Phase 3/4HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v, TEFC, 56 frame. 6470809

3/4HP (.560kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v. 6470810 -

TEFC, 56 frame. 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200v,

TEFC, 56 frame. 1 HP (.746 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/460v,

TEFC, 56 frame. 1½HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 200 v. 6471412

TEFC, 56 frame. 1½HP (1.119 kw), 60 Hz, 3600 RPM (376.99 rad/s), 230/ 6471413 -460v, TEFC, 56 frame.

CONTROLS FOR USE WITH MODEL 60 JOINTERS -

1 Phase

2398336 - Magnetic Controls, 115/230v. 2398369 - Pushbutton Switch, 115/230v

2398487 — Magnetic Controls, 115/230v, w/24v transformer

'May be specified with 110v transformer.

3 Phase Magnetic Controls, 200/230/460/575v

2398230 - JIC Controls, 200/230/460/575v.

2398371 — Pushbutton Switch, 200/230/460/575v. 2398435 — Magnetic Controls, 200/230/460/575v, w/24v transformer. 9100003 — Conduit in lieu of Standard Wiring

- OPTIONAL ACCESSORIES

.Wt. 2 lbs (.9 kg)

2759011-Jointer Stand only .Wt. 65 lbs (29.5 kg) 6427002-3 heat treated M-2 high speed tool steel knives

SPECIFICATIONS

Table	.81/2" x 64" (215.90mm x 1625.60 mm)
Head cutting arc	3" (76.20 mm)
Knives (3)	3" (3.18 mm x 19.05 mm x 203.20 mm)
Speed of head (recommended	
Maximum depth of cut	
Maximum rabbeting cut0"	up to 1/2" x 8" (12.70mm x 203.20mm)

Fence size overall
Height, less stand
Height, with stand
Motor recommended3/4HP (.560kw) to 11/2HP (1.119kw)
Weight, domestic crated, less stand
Weight, domestic crated, with stand
Weight, domestic crated, with stand and motor440 lbs (199.5 kg)

NEW, QUICK WAY TO SET KNIVES ACCURATELY





Anyone can set jointer knives or bed rollers speedily and precisely with this easy-to-use gauge. Variations are micrometer calibrated and are easy to read on this foolproof measuring instrument.

If you've ever had to make settings by "guess", you quickly found out how important accurate positioning

is . . . in outfeed and infeed efficiency as well as the cutterhead itself.

Avoid poor machine performance. Install every new or resharpened blade in perfect cutting position . . . adjust bed rollers fast and sure for top feed performance. 2230001 — wt. 2 lbs. (.9kg)



POWERMATIC'S LATEST ADDITION TO A RESPECTED LINE OF SANDERS

The Powermatic Model 30-B Combination Belt and Disc Sander is a step in the direction of pollution control with optional Dust Collector. The 30-B Sander can be used for both wood and metal sanding, and, with its own dust collection system, eliminates the necessity of a separate dust control unit. Dust disposal is easily accomplished with the removable drawer.

Rugged cast iron construction virtually eliminates vibration of all contour, angle and flat sanding jobs.

The standard tilting table (45° down or 15° up) and the swing away end guard (for easy access to the countour sanding surface), along with the optional tilting fence and miter gauge, permit rapid set-ups without the need for special tools.

Improve the quality of your work with a dust free environment!



Optional miter attachment for straight and angular sanding.



Swing Away end guard permits convenient contour sanding.



Removable tilting table (15° up 45° down) can be used with either disc or belt.



Optional sliding and tilting fence for straight and angular sanding.

MODEL

BELT AND DISC SANDER

FEATURES

TILTING TABLE: Big 7" x 141/4" (117.8 mm x 438.2 mm) tilting table is slotted for accurate miter gauge attachment. Easy to tilt and lock at any angle from 0° to 45° down or 15° up. Change easily from belt to disc opera-

DRUMS: 41/21 (114 mm) in diameter, both drums are mounted in big sealed ball bearings for extra smooth operation and years of trouble free service. Idler drum accurately maintains belt tension. Easy-to-reach belt controls assure positive and accurate alignment.

BELT: Accommodates 6" x 48" (152 mm x 1219 mm) belt. Entire belt assembly may be quickly adjusted for operation at 4 positions from horizontal to vertical. Outer belt guard may be swung away for contour or

edge sanding, 2850 SFM (14.48 m/sec).

SANDING DISC: Full size 12" (304.8 mm) disc is more than ample for most sanding and polishing operations. Dynamically balanced for vibration-free performance. 2400 RPM.

GUARDS: Only the moving sanding surfaces are exposed. All other moving parts, including belt assembly are completely guarded.

TRUNNION: Extremely heavy duty construction as-

sures complete table rigidity at all times.

DUST COLLECTOR: The optional Dust Collector stand is self-contained. 300 CFM to help meet OSHA requirements. No hoses to clog or burn. 20 sq. ft. of filter area, external shaker and clean out drawer are added features.

STANDARD EQUIPMENT

Model 30B Belt and Disc Sander: Interchangeable, tilting table, belt and disc guards, exhaust outlets, work stop, sanding belt, disc,

arbor pulley, set of wrenches, belt and motor pulley. Less: Motor, Controls and Stand.

BASIC MACHINE

1300131 - Model 30 B Belt and Disc Sander with all standard equipment. Less: Motor, Controls and Stand.

MOTORS

1 Phase 6471301 - 11/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s),

115/230v, TEFC, 145T frame

6471304 - 11/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 230/ 460 TEFC, 145T frame.

11/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 575v,

TEFC, 145T frame. 6471322 — 1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/s), 200v. TEFC, 145 T frame.

CONTROLS

1 Phase

2398528 - Manual Switch, 115/230v 2398530 - Magnetic Controls, 115/230v

2398532-Magnetic Controls, 115/230v w/24v transformer

2398230 - JIC Controls, 200/230/460/575v

2398529 - Manual Switch, 200/230/460/575v

2398531 — Magnetic Controls, 200/230/460/575v. *2398533 — Magnetic Controls, 200/230/460/575v, w/24v transformer

9100003-Conduit in lieu of standard wiring

*May Be Specified With 110v Transformer

OPTIONAL ACCESSORIES

2093002-Stand w/Dust Collector

2195004—Fence assembly Wt. 14 lbs (6.36 kg). 2195020—Non tilting fence assy. Wt. 2 lbs (.92 kg). 2471010—Miter gauge. Wt. 3½ lbs. (1.59 kg). 2759039—Stand Assembly w/o Dust Collector 2797134—Table Assembly. Wt. 22½ lbs (10.22 kg).

3127012-Sanding disc, less flange

6012001-1 pint disc cement. Wt. 1 lb. (.46 kg)

6078001 — Metal sanding aluminum oxide bell, 100 grit, fine. Wt. 8 ozs. (.23 kg)

6078002 - Metal sanding aluminum oxide belt, 50 grit, coarse. Wt. 8 ozs. (.23

6078003—Wood sanding garnet belt, 80 grit, fine. Wt. 8 ozs. (.23 kg).
6078004—Wood Sanding garnet belt, 40 grit, coarse. Wt. 8 ozs. (.23 kg).
6206001—Wood sanding disc, 80 grit, fine. Wt. 8 ozs. (.23 kg).
6206002—Wood sanding disc, 40 grit, coarse, Wt. 8 ozs. (.23 kg).
6206003—Metal sanding aluminum oxide disc, 100 grit, fine. Wt. 8 ozs. (.23

Metal sanding alumnium oxide disc. 50 grit, coarse. Wt. 8 ozs. (.23

Replacement filter (after July 1980)

SPECIFICATION

Belt Disc	avec and test on the
Belt Size Support Table Under Belt . Working height in horizontal position	6" x 48" (152 mm x 1219 mm) 6½" x 14½" (165 mm x 368 mm) 37½" (952.5 mm)
Disc Size	
Table	

Drums Size Distance between drum centers	
Dimensions Height with stand or dust collector	41%'' (1057 mm)

Dimensions Height with stand or dust collector Length with stand or dust collector Width	
WIGHT	LEVE (OI 1.0 IIIII)

Weight Basic Machine with motor and stand	
Basic machine less stand	450 (1-100 (-1



FEATURES -

TILTING TABLE: Big 7" x 171/4" (177.8 mm x 438.2 mm) tilting table is slotted for accurate miter gauge attachment. Easy to tilt and lock at any angle from 0° to 45° out or 15° in.

DRUMS: 41/2" (114.3 mm) in diameter, both drums are mounted with sealed ball bearings for extra smooth operation and years of trouble free service. Idler drum accurately maintains belt tension. Easy-to-reach belt controls assure positive and accurate align-

BELT: Accommodates 6" x 48" (152 mm x 2438 mm) belt. Entire belt assembly may be quickly adjusted for operation at 4 positions from horizontal to vertical. Outer belt guard may swung away for contour on edge sanding.

GUARDS: Only the moving sanding surfaces are exposed. All other moving parts, including belt assembly, are completely

guarded. Belt assembly guard has dust duct opening.

TRUNNION: Extremely heavy duty construction assures complete table rigidity at all times.

DUST COLLECTOR: The optional Dust Collector stand is selfcontained, 300 CFM to help meet OSHA requirements. No hoses to clog or burn. 20 sq ft. of filter area, external shaker and clean out drawer are added features.

STANDARD EQUIPMENT

BELT SANDER: 2-way tilting table, guards, arbor pulley, exhaust outlet, work stop, sanding belt, set of wrenches, motor pulley and belt. Less: Motor, Controls and Stand

BASIC MACHINE _

1330111 - Model 33-B Belt Sander with all standard equipment. Less: Motor, Controls and Stand

MOTORS

6471301 - 11/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/sec), 115/230v, TEFC 145T frame

3 Phase

6471304 - 11/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/sec). 230/460v, TEFC, 145T frame.

6471317 - 11/2 HP (1.12 kw), 60 Hz, 1800 RPM (188.46 rad/sec),

575v, TEFC, 145T frame 6471322 — 1½ HP (1 12 kw), 60 Hz, 1800 RPM (188.46 rad/sec). 200v. TEFC, 145T frame.

CONTROLS

1 Phase

2398528 - Manual Switch, 115/230v.

2398530 — Magnetic Controls, 115/230v. 2398532 — Magnetic Controls, 115/230v w/24v transformer

*May Be Ordered With 110v Transformer

3 Phase

2398230 - JIC Controls, 200/230/460/575v

2398529 - Manual Switch, 200/230/460/575v

2398531 — Magnetic Controls, 200/230/460/575v. *2398533 — Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100003 - Conduit in lieu of standard wiring.

OPTIONAL ACCESSORIES

2093002-Stand w/dust collector

2195004-Tilting Fence assembly, Wt. 14 lbs. (6.36 kg).

2195020—Non tilting fence assy. Wt. 2 lbs (.92 kg). 2471010—Miter Gauge. Wt. 31/2 lbs. (1.59 kg).

2759039-Stand Assembly w/o dust collector

6078001 - Metal standing aluminum oxide belt, 100 grit, fine. Wt. 8 ozs. (.23

6078002-Metal sanding aluminum oxide belt, 60 grit, coarse. Wt. 8 ozs. (.23)

6078003-Wood sanding garnet belt, 80 grit, fine. Wt. 8 ozs. (23 kg) 6078004—Wood sanding garnet belt, 40 grit, coarse. Wt. 8 ozs. (.23 kg). 3038003—Replacement filter (after July 1980).

SPECIFICATIONS

Belt speed	
Standing belt	6" x 48" (152 mm x 2438 mm)
Belt drum	41/2 x 6% (114.3 mm x 161.9 mm)
Table	7" x 171/4" (177.8 mm x 438.2 mm)
	45° Down 15° ир
Distance between drum centers	17" (431.8 mm)

Dimensions Height wistand or dust collector.

.37½" (952.5 mm) .33¼" (844.6 mm) .22½" (571.5 mm) Length w/stand or dust collector Width

Weight

Basic machines less stand 152 lbs (69 kg)

ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT

MODEL

12" DISC SANDER



Optional Miter Gauge fitted in table slot, and tilting table make compound mitering operations extremely accurate and simple to perform. An absolute necessity in the pattern shop!



De-burring Operations for all metals and plastics are done quickly, accurately and safely.

FEATURES

TILTING TABLE: Extra-wide 7" (178 mm x 171/4" (438 mm) tilting table is slotted for accurate miter gauge attachment. Easy to tilt and securely lock at any angle 0° to 45° down 15° up.

GUARD: Only the moving disc surface is exposed. All other moving parts are completely guarded.

TRUNNION: Finest heavy-duty construction for smooth and easy tilting operation and extreme table rigidity in any locked position.

DRIVE: Sanding Disc is mounted directly on motor driveshaft. 3/4 HP (.559 kw) or 11/2 HP (1.11 kw), 1 or 3-phase motor avail-

SANDING DISC: full size 12" (304.8 mm) disc satisfies most sanding and polishing operations supplied with garnet disc (for wood, plastic, light metals, etc.) or Aluminum oxide disc (for heavy ferrous metals). Specify disc type. 1800 RPM (188.5 rad/sec).

STANDARD EQUIPMENT

Disc Sander: 2-way tilting table, disc, guard, exhaust outlet and 1 sanding disc. Less: Motor and Controls.

BASIC MACHINES

1350032 — 12" (304.8 mm) Disc Sander with all standard equipment & stand. Less: Motor and Controls.

MOTOR

3/4 HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 115/ 6470700 -230v, TEFC, 56 frame.

1 HP (.75 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 115/230v. TEFC, 56 frame

- 11/2 HP (1.12 kw), 60 Hz, 1800 RPM, 115/230 TEFC, 56 6471306 frame.

3 Phase 34 HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 575v, TEFC, 56 frame. 6470702 -

6470707 — ¾ HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 230/460v. TEFC, 56 frame.
6470712 — ¾ HP (.56 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 200v. TEFC, 56 frame.
6471036 — 1 HP (.75 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 200 v, TEFC, 56 frame.
6471037 — 1 HP (.75 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 230/460v, TEFC, 56 frame.

TEFC, 56 frame. - 1½ HP (1.12 kw), 60 Hz, 1800 RPM (188.5 rad/sec), 230/ 6471324 -460v. TEFC, 56 frame.

CONTROLS -

1 Phase Manual Switch, 230v. Manual Switch, 115v. 2398122

2398200

2398340

 Magnetic Controls, 115/230v.
 Magnetic Controls, 115/230v, w/24v transformer. 2398489-

> 3 Phase Magnetic Controls, 200/230/460/575v.

2398131 -2398201 - Manual Switch, 200/230/460/575v. 2398230 - JIC Controls, 200/230/460/575v.

2398482 - Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100003 - Conduit in lieu of standard wiring.

*May Be Ordered With 110v Transformer

OPTIONAL ACCESSORIES

2124007—Disc assembly with Flange and set screws. Wt. 5 lbs (2.27 kg) 2471010—Miter gauge, Wt. 3½ lbs. (1.59 kg). 2759003—Steel floor stand, totally enclosed. Wt. 50 lbs. (22.7 kg).

3127012—Sanding disc, less flange

6012001-1 Pint disc cement. Wt. 1 lb (.45 kg)

-Garnet Disc for wood, 12" (304.8 mm) diameter, 40 grit, coarse. Wt. 8 ozs. (.23 kg).

Aluminum oxide disc for metal, 12" (304.8 mm) diameter, 50 grit,

coarse. Wt. 8 ozs. (.23 kg). 1370000—300 CFM self powered dust collector (115v single phase).

SPECIFICATIONS

Floor Model:
Width
Height
Front to Rear
Motor recommended
or 11/2HP (1.12 kw) 1 or 3 phase
Motor arbor

Table7" (78 mm	n) x 171/4" (438 mm)
Table tilt	45° down 15° up.
Sanding disc	12" (304.8 mm)
Weight, domestic crated,	
less stand	105 lbs. (47.7 kg)
Weight, domestic crated,	
with stand	206 lbs (93 5 kg)

PEDESTAL AND BENCH GRINDERS

Another HIGH PERFORMANCE machine that symbolizes Professional Craftsmanship





ASSURANCE OF PERFORMANCE

9 MODELS FOR PRECISION GRINDING



ASSURANCE OF PERFORMANCE 9 MODELS FOR PRECISION GRINDING

- FEATURES -

TOOL RESTS: Easy to adjust and lock at all vertical and lateral angles for full flexibility.

SHAFTS: Mounted in over-size sealed ball bearings for smooth, dependable performance.

GUARDS: Heavy-gauge steel construction. Easy to remove for wheel changing,

SPARK SHIELDS: For safety and visibility. Easily adjustable to wear of wheels. (These are not eyeshields.)

MOTOR: Totally enclosed for long life and maximum safety. 1/2HP (3.73 kw); 3/4HP (.560kw), 1HP (.746 kw) and 2HP (1.492 kw), 1 or 3-phase available.

When ordering specify voltage.

STANDARD EQUIPMENT

MODEL 2100 BENCH GRINDER: Steel Guards, 2 Spark Deflectors, 2 Adjustable Tool Rests, 2 Grinding Wheels (1 fine, 1 coarse), Toggle Switch in base and Cord. Totally Enclosed Motor. (As selected from options below.)

STANDARD MACHINES -

- 1210010—Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw),

 1 Phase, 115 or 230 volt (specify), 1800 RPM (188.50 rad/s) Motor.

 1210020—Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw),

 3 Phase, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) Motor.

 1210030—Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw),

 1 Phase, 115 or 230 volt (specify), 3600 RPM (376.99 rad/s) Motor.

 1210040—Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw),

 3 Phase, 230 or 460 volt (specify), 3600 RPM (376.99 rad/s) Motor.

- 1210040—Bench Grinder, with all standard equipment and totally enclosed ½ HP (.373 kw), 3 Phase, 230 or 460 volt (specify), 3600 RPM (376.99 rad/s) Motor.

 1210050—Bench Grinder, with all standard equipment and totally enclosed ¼ HP (.560 kw), 1 Phase, 115 or 230 volt (specify), 3600 RPM (376.99 rad/s) Motor.

 1210060—Bench Grinder, with all standard equipment and totally enclosed ¾ HP (.560 kw), 3 Phase, 230 or 460 volt (specify), 3600 RPM (376.99 rad/s) Motor.

 1210070—Bench Grinder, with all standard equipment and totally enclosed 1 HP (.746 kw), 1 Phase, 115 or 230 volt (specify), 1800 RPM (188.50 rad/s) Motor.

 1210080—Bench Grinder, with all standard equipment and totally enclosed 1 HP (.746 kw), 3 Phase, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) Motor.
- Phase, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) Motor.

 Bench Grinder with all standard equipment, totally enclosed 2 HP (1.492 kw), 3
- Phase, 200, 230 or 460 volt (specify), 1800 RPM (188.50 rad/s) Motor. (WHEELS, NOT INCLUDED)

FOR FLOOR STANDS, OPTIONAL ACCESSORIES AND CONTROLS (SEE PAGE 66)

SPECIFICATIONS

Model No.	Power Rating	Speed RPM	Distance between Wheels	Wheel Diameter	Shaft Diameter
1210010 & 20	½HP (.373kw)	1800RPM (188.50 rad/s)	15½" (393.70mm)	7" x 1" (177.80mm x 25.40mm)	5%'' (15.88mm)
1210030 & 40	½HP (.373kw)	3600RPM (376.99 rad/s)	15½" (393.70mm)	7" x 1" (177.80 mm x 25.40 mm)	%" (15.88 mm)
1210050 & 60	34HP (.560 kw)	3600 RPM (376.99 rad/s)	16½" (419.10mm)	8" x 1" (203.20mm x 25.40 mm)	5%" (15.88mm)
Weight:		½HP (.373kw)	¾HP (.560kw)	1HP (.746kw)	2HP (1.492kw)
Domestic crated, bench model		71 lbs (32.2kg)	109 lbs (49.4kg)	140 lbs (63.5kg)	276 lbs (125.2kg)
			Distance		
Model No.	Power Rating	Speed RPM	Between Wheels	Wheel Diameter	Shaft Diameter
1210070 & 80	1HP (.746 kw)	1800RPM (188.50 rad/s)	18" (475.20mm)	10" x 1" (254.00mm x 25.40mm)	⁷ / ₈ '' (22.22mm)
1210140	2HP (1.492 kw)	1800RPM (188.50 rad/s)	23¾ (603.25 mm)	12" x 2" (304.8mm x 50.80mm)	1¼" (31.75mm)
WEIGHT:		½HP (.373kw)	34HP (.560kw)	1HP (.746kw)	2HP (1.492kw)
Domestic crated, pedestal model		197 lbs	206 lbs	250 lbs (113.4kg)	487 lbs (220.9kg)
Export boxed, bench model		(89.3kg) 71 lbs (32.2kg)	(93.4kg) 115 lbs (52.2kg)	152 lbs (68.9kg)	261 lbs (118.4kg)
Export boxed, pedestal model	*****	186 lbs (84.4 kg)	266 lbs (120.6kg)	319 lbs (144.7kg)	557 lbs (252.6kg)

CONTROLS -

1 Phase

2398134—Magnetic Controls, 115/230v. *2398493—Magnetic Controls, 115/230v, w/24v transformer_

3 Phase

2398129-Magnetic Controls, 200/230/460/575v.

2398230—JIC Controls, 200/230/460/575v; *2398497—Magnetic Controls, 200/230/460/575v, w/24v transformer. 9100003—Conduit in lieu of Standard Wiring.

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES

-Steel Pedestal, complete with Tool Rest and Water Pot for ½, ¾, 1 HP (.373, .560, .746 kw) grinders. Wt. 54 lbs (24.5 kg)
-Cast Iron Pedestal, complete with Tool Rest and Water Pot, for 2 HP

(1.492 kw) grinders. Wt. 100 lbs (45.4 kg)
6028005—Grinding Wheel Dresser. Wt. 1½-lbs. (.7 kg)
6805001—Set of (2) Shatterproof Eyeshields.
6805002—Set of (2) Shatterproof Eyeshields, illuminated type. Wt. 2½-lbs (1.1

kg) -Set of (2) 12" x 2" (304.80 mm x 50.80 mm) Grinding Wheels. (1 coarse, 1 fine.) Wt. 19½-lbs (8.8 kg)

6028006—Grinding Wheel Dresser (carbide wheels.) Wt. 1½ lbs (.7 kg) 6900020—Carbide Wheel 1½" x 6" x 1" (38.10 mm x 152.40 mm x 25.40 mm face, 60 grit. Wt. 2½ lbs (1.1 kg) 6900025—Carbide Wheel 1½" x 6" x 1" (38.10 mm x 152.40 mm x 25.40 mm face, 120 grit. Wt. 2½ lbs (1.1 kg)

All specifications, dimensions and design characteristics shown in this catalog are subject to charge without notice.

GRINDER **ACCESSORIES**





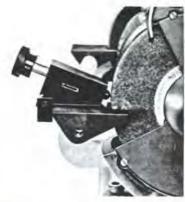
Shatter Resistant, illuminated eyeshields for 2100 grinders only. Part No. 6805002

Powermatic Shatter Resistant Eyeshields, either plain or illuminated, are designed to give extra protection for the operator's eyes.

NO GRINDER SOLD WITHOUT THEM!

Eyeshields are fully adjustable both horizontally and vertically, permitting tilt or adjustment which allows them to be positioned at any angle desired.

This precision, adjustable diamond grinding wheel dresser reduces grinding time, increases the performance of cutting tools and grinders, and restores the true balance of the wheel. Rotation of spindle with angle on tool keeps diamond sharp for long life.



Adjustable friction on spindle, for fine adjustment to feed diamond in or out. No set screws or nuts to lock or unlock spindle each time diamond is fed in or out. Part No. 6028005. For 2100 Only.



Sliding bracket is adjustable for different sizes of grinders and tool rests. Sides of grinding wheels may be dressed by moving bracket to fit side of tool rest. Bracket fits in 'T'-slot of carbide tool grinder. Part No. 6028006. For 2200 Only.

CONTROLS FOR USE WITH MODEL 2100 & 2200 GRINDERS

1 Phase

2398134-Magnetic Controls, 115/230v.

2398493-Magnetic Controls, 115/230v, w/24v transformer.

2398129-Magnetic Controls, 200/230/460/575v

2398230—JIC Controls, 200/230/460/575v. *2398497—Magnetic Controls, 200/230/460/575v, w/24v transformer

9100003-Conduit in lieu of Standard Wiring

*May be specified with 110v transformer.

OPTIONAL ACCESSORIES - MODEL 2100 & 2200 -

2588001 — Steel Pedestal, complete with Tool Rest and Water Pot for $\frac{1}{2}$, $\frac{3}{4}$, 1 HP (.373, .560, .746 kw) grinders. Wt. 54 lbs (24.5 kg) 2588002 — Cast Iron Pedestal, complete with Tool Rest and Water Pot, for 2 HP

6028005

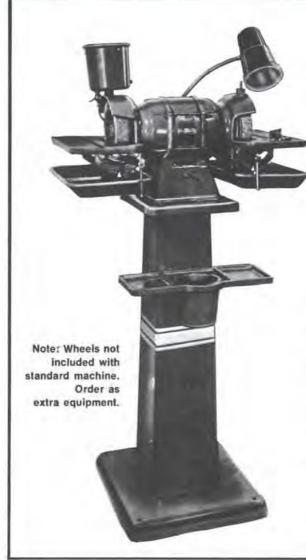
(1. 492 kw) grinders. Wt. 100 lbs (45.4 kg)
-Grinding Wheel Dresser. Wt. 1½ lbs. (7 kg)
-Set of (2) Shatter resistant Eyeshields.
-Set of (2) Shatter resistant Eyeshields, illuminated type, Wt. 2½ lbs 6805001 6805002 (1.1 kg)

Set of (2) 12" x 2" (304.80 mm x 50.80 mm) Grinding Wheels. (1 coarse, 1 fine.) Wt. 19½ lbs (8.8 kg) 6900016

6028006—Grinding Wheel Dresser (carbide wheels.) Wt. 1½ lbs (.7 kg) 6900020—Carbide Wheel 1½: "x 6" x 1" (38.10 mm x 152.40 mm x 25.40 mm) face, 60 grit. Wt. 2½ lbs (1.1 kg) 6900025—Carbide Wheel 1½: "x 6" x 1" (38.10 mm x 152.40 mm x 25.40 mm) face, 120 grit. Wt. 2½ lbs (1.1 kg)

2200

CARBIDE GRINDERS





SAVES TIME ... CUTS COSTS ...

Production costs go down when a Powermatic* Model 2200 Carbide Grinder is included in any shop that does grinding or lapping of carbide tipped, steel or stellite cutting tools. There's no need to lose valuable production time while a tool is sent out for sharpening. Now the machinist can conveniently perform his own sharpening tasks with a minimum of time. It's ideal for the high production shop and can be conveniently placed near the production machines.

ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT

STANDARD EQUIPMENT

MODEL 2200 CARBIDE GRINDER: Grooved; Tilting Cast Iron Tables, Drain-off Water Pans, Manual Reversing Toggle Switch in base, Cord and Adjustable Work

Lamp. Totally Enclosed Motor. (as selected from options below.) Less Stand.

STANDARD MACHINES -

1210100 — Bench Grinder, with all standard equipment and reversible ½HP (.373kw), 1 Phase, 115 volt, 3600 RPM (376.99 rad/s) motor. (Wheels not furnished.) 1210110 — Bench Grinder, with all standard equipment and reversible, ½HP (.373kw), 3 Phase, 230/460 volt (specify), 3600 RPM (376.99 rad/s) motor. (Wheels not furnished.)

OPTIONAL ACCESSORIES -

2588001 — Steel Pedestal, complete with Tool Rest and Water Pot, for ½, ¾, 1HP (.373, .560, .746kw) grinders. Wt. 54 lbs (24.5kg)

6900020 — Silicon Carbide Wheel, 1½" x 6" (38.10mm x 152.40 mm), 60 Grit. Wt. 2½ lbs (1.1 kg).
6900025 — Silicon Carbide Wheel, 120 Grit. Wt. 2½ lbs (1.1kg).

- SPECIFICATIONS -

Motorsingle phase, capacitor type, 1/2HP (.373kw) reversible, 60 Hz, 3600 RPM (376.99 rad/s) Motorthree phase, heavy-duty squirrel cage type, 1/2HP (.373kw),

SHOP MAID DUST COLLECTOR



1370000

Stand alone dust collector, complete with 1/2 horsepower, single phase, 110 volt motor, pushbutton switch, and cord and plug set.

FEATURES

- The Shop Maid is a compact dust collector with the efficiency of over 300 cubic feet of air per minute. It removes dust, grit and chips quickly and easily.
- Lightweight and portable to move easily from machine to machine.
- * The filter is heat glazed felt with multi-pockets and a reinforced clamping collar. It helps to remove everything from chalk to large chips.
- A foot operated filter shaker is standard. This provides a quick and efficient way to dislodge material from the filter.
- The large chip drawer is removable for quick and easy clean out.
- * The fan is on the clean air side. Dust and particles are stopped so that only clean air reaches the fan.
- Filtered air is recirculated indoors, saving costly heated or conditioned air.

SPECIFICATIONS -

Filter Area	20 Square Ft.
CFM	300
Cleanout Drawer Cap	. 4 Cubic Ft.
Filter Shaker F	not Operated

Motor 1/2 HF
Dimensions 24" x 18" x 191/2"
Intake Hose Connection4"
Weight120 Lbs

15" DRILL PRESS

FIVE-SPEED MODELS

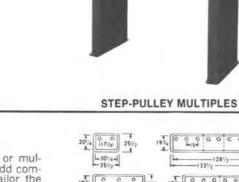




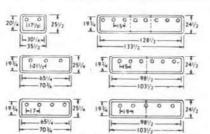


FULL 6" (152.40mm) STROKE NOW STANDARD

Economy price makes this model very popular with smaller shops, schools and maintenance shops. Built with the same care and precision as the variable speed model, this powerful machine offers years of heavy-duty performance in the most common drill applications.



Choose from bench, floor and single or multiple spindle production models . . . add components and accessories to custom-tailor the machines for special requirements! In addition to feature-packed design and exacting, precision construction usually found only in higher priced units, the Powermatic® 15" drill press offers the ultimate in operating flexibility.



STANDARD MULTIPLE SPINDLE ARRANGEMENTS



No belts to handle when you change spindle speed! Just a twist of the accurately-calibrated variable speed control lets you choose speeds in-stantly while machine is running. Extra wide speed range in one model. 475 to 4800RPM (49.74 rad/s to 502.66 rad/s). Increased accuracy and bit life in all drilling operations.



FULL 6" (152.40 mm) STROKE NOW STANDARD

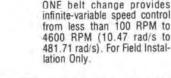


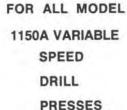
VARIABLE SPEED MULTIPLES

AN OPTIONAL First

ATTACHMENT

ONE belt change provides infinite-variable speed control from less than 100 RPM to 4600 RPM (10.47 rad/s to 481.71 rad/s). For Field Instal-







STANDARD FLOOR AND BENCH MODELS

Spindle & Motor Spec.			Tilting Table Floor Model		Tilting Table Bench Model		Production Table Floor Model		Production Table Bench Model	
MOSCAL-8-00	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley
#2 Morse Taper Less Mtr. & Switch	1151310 285 lbs (129.2 kg)	1151320 245 lbs (111.1 kg)	1152810 290 lbs (131.5 kg)	1152820 250 lbs (113.4 kg)	1152822 205 lbs (93.0 kg)	1152824 165 lbs (74.8 kg)	1153810 360 lbs (163.3 kg)	1153820 320 lbs (145.1 kg)	1153822 320 lbs (145.1 kg)	1153824 180 lbs (81.6 kg)
Key Chuck Less Mtr. & Switch	1151290 285 lbs (129.2 kg)	1151300 245 lbs (111.1 kg)	1152790 290 lbs (131.5 kg)	1152800 250 lbs (113.4 kg)	1152821 205 lbs (93.0 kg)	1152823 165 lbs (74.8 kg)	1153790 360 lbs (163.3 kg)	1153800 320 lbs (145.1 kg)	1153821 320 lbs (145.1 kg)	1153823 180 lbs (81.6 kg)

Table Raising Mechanism Standard Equipment

MULTIPLE SPINDLE MODELS

Standard Equipped with Head Raising Mechanism and Legs

	2	2-Spindle		3-Spindle		4-Spindle		5-Spindle		6-Spindle		8-Spindle	
Spindle & Motor Speca.	Variable	Step	Variable	Step Pulley	Variable	Step Pulley	Variable	Step	Variable	Step	Variable	Step	
#2 Morse Taper, Less Mtr. & Switch	1154290 778 lbs (352.8 kg)	1154294 730 lbs (331.0 kg)	1155290 1140 lbs (517.0 kg)	1155294 981 lbs (444.9 kg)	1156290 1325 lbs (600.9 kg)	1156294 1230 lbs (557.8 kg)	1157290 1575 lbs (714.3 kg)	1157294 1480 lbs (671.1 kg)	1158290 1916 lbs (868.9 kg)	1158294 1771 lbs (803.1 kg)	1159290 2513 lbs (1139.6 kg)	1159294 2318 lbs (1051.2 kg	
Key Chuck Less Mtr. & Switch	1154291 778 lbs (352.8 kg)	1154295 730 lbs (331.0 kg)	1155291 1140 lbs (517.0 kg)	1155295 981 lbs (444.9 kg)	1156291 1325 (bs (600.9 kg)	1156295 1230 lbs (557.8 kg)	1157291 1575 lbs (714.3 kg)	1157295 1480 lbs (671.1 kg)	1158291 1916 lbs (868.9 kg)	1158295 1771 lbs (803.1 kg)	1159291 2513 lbs (1139.6 kg)	1159295 2318 lbs (1051.2 kg	

MULTIPLE SPINDLE MODELS

Standard Equipment except with T-slot Tables, Head Raising Mechanism & Legs

Spindle & Motor Spec.	2-Sp	Indle	3-Spi	Indle	4-Spindle		
	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	
#2 Morse Taper Less Mtr. & Switch	1154292 Wt. 778 lbs (352.8 kg)	1154296 Wt. 730 lbs (331.0 kg)	1155292 Wt. 1140 lbs (517.0 kg)	1155296 Wt, 981 lbs (444.9 kg)	1156292 Wt. 1325 lbs (600.9 kg)	1156296 Wt. 1230 lbs (557.8 kg)	
Key Chuck Less Mtr. & Switch	1154293 Wt. 778 lbs (352.8 kg)	1154297 Wt. 730 lbs (331.0 kg)	1155293 Wt. 1140 lbs (517.0 kg)	1155297 Wt. 981 lbs (444.9 kg)	1156293 Wt. 1325 lbs (600.9 kg)	1156297 Wt 1230 lbs (557.8 kg)	

MULTIPLE SPINDLE TABLES AND STEEL SUPPORT LEGS

2423007 - Leg, steel, 271/2" (698.50 mm) high for mounting produc-

tion tables. Wt. 43 lbs (19.5 kg) ea. 2797014 — Production, Table 1944" x 981/2" (501.65 mm x 2501.90 mm). Accommodates up to six spindles. 3 legs required.

Wt. 560 lbs (254.0 kg) 2797015 — Production Table 19¾" x 128½" (501.65 mm x 3263.90

mm). Accommodates up to eight spindles. 4 legs required. Wt. 731 lbs (331.5 kg).

3797016 — Production Table 201/4 x 301/4" (514.35 mm x 768.35 mm). Accommodates up to two spindles. 2 legs required. Wt. 235 lbs (106.6 kg).

3797017 — T-Slotted Multiple Spindle Production Table for 1 & 2 spindles. Wt. 235 lbs (106.6 kg)
3797018 — 20" x 20" (508.00 mm x 508.00 mm) center section. Accommodates up to two spindles. Wt. 171 lbs (77.5 kg)
3797037 — Production Table 1934" x 651/4" (501.65 mm x 1657.35

mm). Accommodates up to four spindles. 2 legs required. Wt. 394 lbs (178.7 kg).

- Production Table 19% x 65%" (501.65 mm x 1657.35 mm) with T-slots. Accommodates up to four spindles. 2 legs required. Wt. 394 lbs (178.7 kg).

STANDARD HEADS

1150258 - Variable Speed, No. 2 Morse Taper, Head only. Less:

1150259 - Variable Speed, Key Chuck, Head only, Less: Motor.

1150260 - Five-speed, No. 2 Morse Taper, Head only, Less: Motor. 1150261 — Five-speed, Key Chuck, Head only, Less: Motor.

MOTORS FOR USE WITH MODEL 1150 DRILL PRESSES

1 Phase 34 HP (.560 kw), 60 Hz, 1200 RPM (125.66 rad/s), 115/ 230v, TEFC, 56 frame. 6470600 -

34 HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/ 230v, TEFC, 56 frame. 6470700 -

3 Phase

34 HP (.560 kw), 60 Hz, 1200 RPM (125.66 rad/s), 200v, TEFC, 56 frame 6470607 -

4 HP (.560 kw), 60 Hz, 1200 RPM (125.66 rad/s), 230/460v, TEFC, 56 frame.
 4 HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 575v, TEFC, 56 frame.

3/4 HP (.560 kw), 60 Hz, 1800 RPM)188.50 rad/s), 230/ 6470707

460v, TEFC, 56 Frame. 3/4 HP (.560 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 56 Frame. 6470712 -

VARIABLE SPEED MODEL 1150 DRILL PRESSES REQUIRE A MINIMUM ¾ HP (.560 kw) HP MOTOR.

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ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT

^{* *} Head Raising Mechanism Standard Equipment

CONTROLS FOR USE WITH MODEL 1150 DRILL PRESSES

1 Phase

2398523 — Magnetic Controls. 2398525 — Magnetic Controls w/24v Transformer.

2398527 — Manual Controls.

'May be specified with 110v transformer.

3 Phase

2398230 JIC Controls

2398522 Manual Controls.

2398524 Magnetic Controls.

2398526 Magnetic Controls w/24v Transformer

OPTIONAL ACCESSORIES

2028013-Mortise Attachment, complete with hold-down. Wt. 11 lbs (5.0 kg). 2028067-Vari-Slo Attachment, Field Installation Only 2192003-Foot Feed. Wt. 32 lbs (14.5 kg) 2212005 -Flange for mounting Column on Table. Wt. 9 lbs 8 oz (4.3 kg) 2250122--Guard —Table Raising Mechanism —Head Raising Mechanism: Wt. 14 lbs 4 oz (6.5 kg). —Coolant Parts Assembly. Consists of nozzle, valve, column mounting 2277004-2277104clamp and hose assembly. Wt. 10 lbs (4.5 kg). One required for each spindle. 2640018-Spindle Assembly, #2 Morse Taper complete with bearings. WI. 7 lbs (3.2 kg). Spindle Assembly, #33 Taper complete with bearings. Less. Jacobs Chuck. Wt. 7 lbs (3.2 kg). Tilting Table 10'' x 14'' (254.00 mm x 355.60 mm). Wt. 33 lbs (15.0 2640017-2797008-2797033-Production Table for Floor Model, 12" x 18" (304.80 mm x 457.20 mm). Wt. 79 lbs (35.8 kg). -Utility Table 10" x 11" (254.00 mm x 279.40 mm). Wt. 29 lbs 8 oz 2797120-(13.4 kg) 2432004-Center table leg (4 spdl. table)

3042121—Base for Single Spindle Floor Model. Wt. 60 lbs (27.2 kg).
3096008—Safety Collar for Head or Table. Wt. 2 lbs 4 oz. (1.1 kg)
3098208—Column, Multiple Spindle, 42" (1066.80 mm). Wt. 19 lbs (8.6 kg)
3098209—Column, Floor Model, 66" (1676.40 mm). Wt. 31 lbs (14.1 kg).
3797029—Production Table for Bench Model, 14½" x 16" (368.30 mm x 406.40 mm) working surface. Wt. 87 lbs (39.5 kg).
6023003—Adaptor Arbor for #6118013 Chuck. Wt.
6116001—Hollow Chisel, ¼" (6.35 mm). Wt.
6116003—Hollow Chisel, ¾" (9.52 mm). Wt.
6118005—Hollow Chisel, ½" (12.70 mm). Wt.
6118013—0" to ½" (12.70 mm) Chuck. Wt.
6118005—O" to ½" (12.70 mm) Chuck. Wt.
6118005—O" to ½" (12.70 mm) Chuck. Wt.
6160002—Coolant Pump and Tank. Wt. 37 lbs. (16.8 kg)
6220003—Hollow Chisel Bit only, ¼" (6.35 mm). Wt.
6220005—Hollow Chisel Bit only, ½" (12.70 mm). Wt.
6220007—Hollow Chisel Bit only, ½" (12.70 mm). Wt.
6448005—Adjustable Work Light. Wt. 10 oz (.3 kg)
6856004—Straight Vise, 2½" (63.50 mm) capacity, Wt. 9 lbs (4.1 kg)
6856004—Straight Vise, 2½" (63.50 mm) capacity, Wt. 9 lbs (4.1 kg)
6856005—Straight Vise, 3" (76.20 mm) capacity, Wt. 7 lbs (3.2 kg)
9100014—Machined base in lieu of standard base.
3694005—Leveling screws 3694005-Leveling screws

NOTE: Vari-Slow attachment cannot be factory installed.

SPECIFICATIONS

Spindle; steel
Spindle travel
Quill diameter
Column diameter
Column length, floor model
Column length, bench model
Column, Wall thickness
Table working surface:
Utility table
Tilting table
Production table
Base working surface 8½" x 12" (215.90 mm x 304.80 mm)
Capacity in cast iron
Capacity in steel
Capacity in cast iron

Spindle Speeds:
Variable Speed Models
1800 RPM (188.50 rad/s) motor
1200 RPM (125.66 rad/s) motor
Step Pulley Models
1800 RPM (188.50 rad/s)
1580 RPM (165.46 rad/s), 2800 RPM (293.22
rad/s), 5300 RPM (555.02 rad/s)
1200 RPM (125.66 rad/s motor
1050 RPM (109.9 rad/s) 1875 RPM (196.3 rad/s)
3550 RPM (371.6 rad/s)
Height, floor model
Height, Bench model
Weight, Net, bench model 191.8 lbs.





Utility Table affords completely rigid and level 10" x 11" (254.00 mm x 279.40 mm) working surface. Slotted for easy attachment of tacling tooling. Part. No. 2797120

Tilting Table tilts 90° right or left for any angle boring job. Provides 10" x 14" (254.00 mm x 355.60 mm) working surface slotted for tooling. Part. No. 2797008

Production Table provides extra large 12" x 18" (304.80 mm x 457.20 mm) working surface, precision machined for extra drilling accuracy. Includes raising mechanism. Part No. 2797033

Optional Accessories Speed Up Specialized Drilling Operations



Mortising Attachment securely positions stock for all mortising operations. Part No. 2028013



Straight Vise with accurately machined faces locks stock securely. Available in 21/2" (63.50 mm) and 3" (76.20 mm) capacities. Part No. 6856004 — 21/2" (63.50 mm) Part No. 6856005 - 3" (76.20



Tilting Vise, with precision machined faces, is quickly adjustable for drilling stock at virtually any angle. Part. No. 6856003



Spring-Balanced Foot Feed with depth-stop frees operators hands for unusual drilling jobs. Part. No. 2192003



Drill Press depth gauge and safety electrical control. Note that the electrical control conforms to accepted standards with hooded start, and open stop buttons.



SARABARARARARA

Hollow Chisels And Bits available for every specialized mortising application. Choose from 1/4" (6.35 mm), 3/6" (9.52 mm), and 1/2" (12.70 mm) sizes.



Table And Head-Raising Mechanisms are quick, positive ... easily operated crank operates worm gear on column rack.



6122040-Auto-vise for 15" drill press 6122041 -Auto-vise for 20" drill press



mm) Jacobs chuck complete with key.

Jacobs chuck w/#33 Taper ... 0-1/2" (12.70 Part No. 6118013 #2 Mt. Arbor with 33 Taper 6023003



Mounting Flange ... Available for special installations. Part No. 2212005



The Drill Press guard provides operator protection with grid type panels set in a heavy self-locking frame. Visibility is through a thick plastic window directly in front of the work. Part No. 2250122



INCREASE PRODUCTION ... RAISE EFFICIENCY

WITH EXTRA-LARGE WORKING SURFACE DRILL PRESSES.

Powermatic Drill Presses combine ruggedness with flexibility, adaptability with versatility and engineering with practical application.

Equipped with 5-step speed or infinitely variable drives—bringing to the job just the right power transmission and speed for the job at hand.

Extra working surfaces are always available with Powermatic over-size tables. And for Multiple Spindle Models, Table Inserts are available to extend the capacities even farther.

Many important optional accessories are also offered to increase the flexibility and utility of the Powermatic Drill Presses; additional tables, spindle assemblies, larger and longer columns, vises, coolant systems and many others. One new and very important addition to the list of Drill Press options is Vari-Slo Drive. This versatile item provides speed from 100 RPM (10.47 rad/s) to 4600 RPM (481.71 rad/s).

MODEL LISTINGS

1150250—Variable Speed with #2 Morse Taper. Less: T-Slots, Motor and Controls.

1150251—Variable Speed with Key Chuck. Less: T-Slots, Motor and Controls. 1150252—Variable Speed with #2 Morse Taper and T-Slots. Less: Motor and Switch.

1150253—Variable Speed, with Key Chuck and T-Slots. Less: Motor and Switch.

1150254—Step Speed with #2 Morse Taper, Less; T-Slots, Motor and Controls.

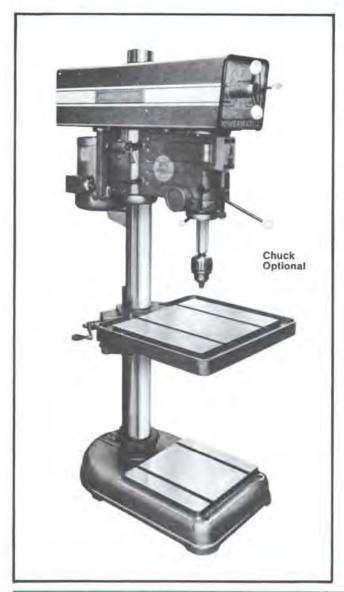
1150255—Step Speed with Key Chuck. Less: T-Slots, Motor and Controls.
1150256—Step Speed, with #2 Morse Taper and T-Slots, Less: Motor and

1150257—Step Speed with Key Chuck and T-Slots. Less: Motor and Switch.

(SEE PAGES 70-71 FOR MOTORS AND ELECTRICAL CONTROLS)

| Specific A | Spe

F	ICATIONS
١	Column Diameter 3" (76.20 mm)
	Column Wall Thickness
	Column Length (standard)
	Largest Dia. Hole in Cast Iron
	Largest Dia Hole in Steel 1/2" (12.70 mm)
	Table Working Surface
	Max. Distance, #2 MT Spindle Nose to Table
	(with Standard Column)
	Max. Distance Key Chuck to Table
	(with Standard Column)
	Weight, Net
	Control of the contro



MECHANICAL OR HAND FEED . . . VARIABLE OR FIVE-SPEED MODELS

Change Speed Instantly . . . Check Speed Instantly

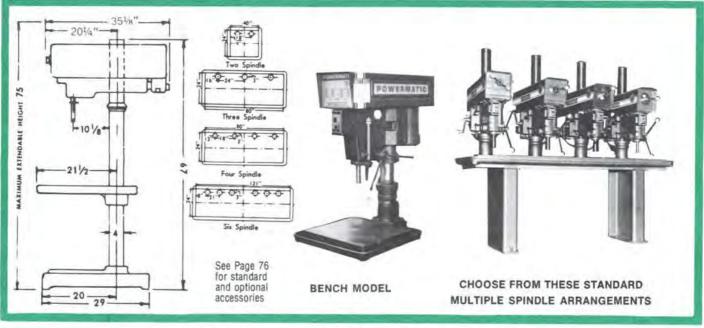
Powermatic ® Variable Speed Model with QUICK-SET SPEED SELECTOR AT EYE-LEVEL

No belts to handle when you change spindle speed! Just a twist of the accurately-calibrated variable speed control lets you choose speed instantly while machine runs.

Speed ranges from 135 RPM (14.14 rad/s) to 1350 RPM (141.37 rad/s) with 1200 RPM (125.66 rad/s) motor . . . and 200 RPM (20.94 rad/s) to 2000 RPM (209.44 rad/s) increase drilling accuracy and bit life.

Advanced design, rugged construction and big capacity combine to make the Powermatic® 20" Drill Press a versatile performance-leader for the heaviest work loads. Utilizing optional accessories, specialized units for every production requirement can be easily developed in multiple spindles or single units.

Easily movable, units can be quickly shifted to meet changing production line requirements. Low investment and maintenance costs bring giant savings to industrial plants, schools, metal working, pattern and maintenance shops of all types.



STANDARD FEATURES ASSURE PRECISION DRILLING



Micrometer - Type Depth Gauge assures depth accuracy with precision, eye-level calibrations. Easy to set, easy to see!



Safety Control Switch is front-mounted for operator convenience. Guarded push-button design helps prevent accidental starts.



Extra Heavy 4" (101.60 mm) Column is 1/2' (12.70 mm) thick precision - ground steel, assuring rigid top and bottom sup-port for heavy duty, cast iron head assembly. Available lengths (1066.80 mm) bench (standard model), 66" (1676.40 mm) (standard floor model) or 78" (1981.20 mm)



Table-Raising Mechanism is fast and accurate . . . crank-operated utilizing worm gear, Part No. 2797012



FIVE SPEED MODEL with Exclusive Counter-shaft Drive

Utilizing an inter-pulley drive concept, this five-speed model offers the widest range of speeds available to-day. The combination of ultra-slow speed (100 RPM with 900 RPM (10.47 rad/s with 94.25 rad/s) to high speed (1500 RPM with 1800 RPM (157.08 rad/s with 188.50 rad/s) affords a flexibility of speed ranges previously unavailable for complicated multiple spindle production lineups.

This extremely wide range of speeds assures top performance of every operation, from tapping, spotfacing and reaming to high-speed drilling on a single unit, without bulky attachments.

Choose Mechanical or Manual Feed Operation



Time-Saving, Variable Speed POWER FEED

The variable speed mechanical feed unit now available featuring infinitely variable feed speeds from .004" (.102 mm) to .012" (.30 mm) per-spindle-revolution! Speed is adjusted with convenient handle on feed housing easy-to-check, eye-level speed indicator. Feed rate is maintained for all spindle speeds. Drills to any desired depth, controlled by limit-switch on depth-stop indicator, Part No. 2192013.

COOLANT PUMP Cuts Production Costs . .



Pump and Tank — Part No. 6160002 Coolant Parts Assembly — Part. No. 2391010

Centrifugal action delivers large volume of liquid at low pressure seals and bearings above liquid Flow may be controlled or shut off without damage to motor ... No priming needed ... Coolant Pump complete with 115 V, 60 Cycle, AC, 1800 RPM (188.50 rad/s) motor. Coolant parts assembly: nozmounting clamp and flexible hose, coolant and piping table clamps.

HOW TO ORDER MULTIPLE SPINDLE FLOOR AND BENCH MODELS

SPEED AND MOTOR SPECIFICATIONS	31001 111000			Floor Model Bench Production Table Production		Model on Table Two Spindle		pindle	Three Spindle		Four Spindle		Six Spindle		Eight Spindle	
	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley	Variable	Step Pulley
Hand Feed Less Mtr. and Switch	1202010 582 lbs (263.9 kg)	552 lbs	1203010 600 lbs (272.1 kg)	W. C. A. 18 C. W.	1203510 485 lbs (219.9 kg)	1203760 400 lbs (181.4 kg)	1204010 1270 lbs (575.9 kg)		1205010 2040 (bs	1950 lbs	1206010 2330 lbs. (1056.7 kg)	1206260 2210 lbs (1002.2 kg)	1208010 3515 lbs (1594.0 kg)	mean near		1209260 4400 lbs

NOTE: ALL MULTIPLE SPINOLE MODELS INCLUDE HEAD RAISING MECHANISMS AND LEGS.

V/S MACHINES PRICED LESS MOTOR FOR MOTOR EXCHANGE PURPOSES — NOT AVAILABLE LESS MOTOR.

MULTIPLE SPINDLE T-SLOTTED TABLE DRILL PRESSES

STANDARD Two S		Two Spindle Three Spindle		Spindle	Four Spindle		Six Spindle		Eight Spindle	
T-Slotted Tables, Less: Motor and Controls,	Variable 1204050 1270 lbs (575.9 kg)	Step Pulley 1204040 1240 lbs (562.3 kg)	Variable 1205050 2040 lbs (925.0 kg)	Step Pulley 1205040 1950 lbs (884.3 kg)	Variable 1206050 2330 lbs (1056.7 kg)	Step Pulley 1206040 2210 lbs (1002.2 kg)	Variable 1208050 3515 lbs (1594.0 kg)	Step Pulley 1208040 3335 lbs (1512.4 kg)	Variable 1209050 4640 lbs (2104.2 kg)	Step Pulley 1209040 4400 lbs (1995.4 kg)

HEAD ASSEMBLIES -

1200010 - Head Assembly, hand feed, variable speed, belt, pulley Less: Motor, Switch and Head Raising Mechanism. Wt. 370 lbs (167.8 kg)

Head Assembly, hand feed, 5-speed, belt and pulleys. Less: Motor, Switch and Head Raising Mechanism. Wt. 340 lbs (154.2 kg)

MOTORS FOR USE WITH MODEL 1200 DRILL PRESSES

1 Phase

6470912 - 1 HP (.746 kw), 60 Hz, 1200 RPM (125.66 rad/s), 115/230v, TEFC, 145T frame

6471301 - 11/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/ 230v, TEFC, 145T frame.

3 Phase

6470901 - 1 HP (7.46 kw), 60 Hz, 1200 RPM (125.66 rad/s), 230/460v,

TEFC, 145T frame 6471026 - 1 HP (.746 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200 v.

TEFC, 143T frame. 6471027 — 1 HP (.746 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 143T frame.

6471206 - 11/2 HP (1.119 kw), 60 Hz, 1200 RPM (125.66 rad/s), 200v,

TEFC, 182T frame. 6471207 — 1½ HP (1.119 kw), 60 Hz. 1200 RPM (125.66 rad/s), 230/ 460v. TEFC, 182 T frame.

*Do not specify High Reversing motors on V.S. models

6471304 — 1½ HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/ 460v, TEFC, 145T frame.

6471317 - 11/2 HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 575v. TEFC, 145T frame.

6471322 — 1½ HP (1.119 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v. TEFC, 145T frame.

*6471501 — High Reversing, 2 HP (1.492 kw), 60 Hz, 1200 RPM (125.66 rad/s), 230/460v, O.D.P., 182 frame.

2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/ 460v, TEFC, 145T frame. 6471603 -

6471616 -2HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 575v.

TEFC, 145T frame. 64716J7 — 2 HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v. TEFC, 145T frame.

3-Phase, 2-speed 6473012 — 2 & 1 HP (1.492 & .746 kw), 60 Hz, 1800 & 900 RPM (188.50 & 94.25 rad/s), 230/460v, O.D.P., 184T frame.

CONTROLS FOR USE WITH MODEL 1200 DRILL PRESSES

1 Phase

2398178 - Magnetic Controls, 115/230v.

2398183 — Pushbutton Switch, 115/230v. 2398492 — Magnetic Controls, 115/230v, w/24v transformer.

3 Phase

2398171 -Magnetic Reverse Starter, Pushbutton w/limit switches 200/230/460/575v

2398172 Manual Reverse Switch, 200/230/460/575v.

2398174 — Magnetic Controls, 200/230/460/575v, w/24v transformer, 2398180 — Magnetic Controls, 200/230/460/575v.

2398182 - Pushbutton Switch, 200/230/460/575v.

2398230 - JIC Controls, 200/230/460/575v

2398428 — Multiple Speed, 2-Speed Switch, 200/230/460/575v. 2398506 — Magnetic Reverse Starter, w/3-station pushbutton, w/o

limit switch, 200/230/460/575v.

Special Controls for High Reversing Motors

2398171 - Magnetic Reverse Starter, Push Button, w/Limit Switches, 200/230/460/575v.

2398478-Magnetic Rev. w/trans. 200/230/460/575v. w/o limit sws.

6821137 — Reverse Limit Switch. (2 required.) 9100002 - Conduit in lieu of standard wiring

*May be specified with 110v transformer Does not include limit switches

OPTIONAL ACCESSORIES

2192013-Mechanical Feed, Wt. 80 lbs (36.3 kg)

2212006—Flange, with screws for mounting column on table. Wt. 15 lbs (6.8 kg)

2250119-Guard, Hand feed drill presses.

2250125-Guard, Power feed drill press.

2277005-Head Raising Mechanism. Wt. 20 lbs (9.1 kg)

OPTIONAL ACCESSORIES (Continued)

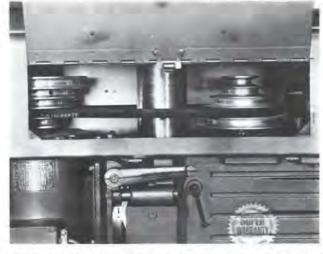
2383001 — 0" to 1/2" (12.70 mm) Chuck with adapter for No. 3 Morse Taper. Wt. 2391010 — Coolant Assembly for 1-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly. 2391011 — Coolant Assembly for 2-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly. 2391012 — Coolant Assembly for 3-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly. 2391013 — Coolant Assembly for 4-spindle, consisting of Nozzle, Valve, Manifold and Hose Assembly. 2423003 — Steel Legs for mounting production tables. Height, 27" (685.80mm). (each) Wt. 55 lbs (24.9 kg) 2423008-Middle leg (6 & 8 spdl. table) 2423009-Center post (4 spdl. table) 2797012 - Table Raising Mechanism. (Standard with floor model). Wt. 21 lbs (9.5 kg) 2797018 — Production Table 24" x 121" (609.60 mm x 3073.40 mm), ground surface for six spindles. 3 legs required. Wt. 1240 lbs (562.3 kg) 2797026 — Production Table with parallel T-slots, 15½ x 18" (393.70 mm x 457.20 mm), ground surface. Wt. 119 lbs (54.0 kg) 2797028 — Tilting Table 16" x 18" (406.40 mm x 457.20 mm), ground surface, column bracket and tilting scale. Less: Raising Mechanism. Wt. 101 lbs (45.8 kg) 2797127 - 6-Spindle T-Slot Table. 3 legs required. 3096039-Safety collar Column, 4" x 66" (101.60 mm x 1676.40 mm). (Standard on floor models) Wt. 103 lbs (46.7 kg)
 Column, 4" x 42" (101.60 mm x 1066.80 mm). (Standard on bench models) Wt. 66 lbs (29.9 kg)
 Column, 4" x 78" (101.60 mm x 1981.20 mm). Wt. 122 lbs (55.3 kg) 3098004 -3098007 3694006-Leveling screw (2 required per leg) - Center Section, 24" x 42" (609.60 mm x 1066.80 mm), drilled and tapped for 2 spindles, to make 8 spindle table. Wt. 335 lbs (151.9 3797012 -Production Base Bench Model, 18" x 25" (457.20 mm x 635.00 mm) ground surface. Wt. 121 lbs 54.9 kg)
Production Table 24" x 40" (609.60 mm x 1016.00 mm), ground surface for 2 spindles. Wt. 370 lbs (167.8 kg), 2 legs required.
Production Table 24" x 80" (609.60 mm x 2032.00 mm), ground surface, for 4 spindles. Wt. 835 lbs (378.7 kg). 2 legs required. 3797028 3797035 3797036 2-Spindle T-Slot Table. 4-Spindle T-Slot Table. 3797064 3797065 3797065 — 4-Spindle 1-Slot Table. 6023008 — #3 M.T. to #2 M.T. sleeve. 6160002 — Coolant Pump & Tank. Wt. 37 lbs (16.8 kg) 6448005 — Adjustable Work Lamp. Wt. 10 oz (.3 kg) 6856001 — Drill Press Vise, 4½" (114.30 mm) capacity. Wt. 12 lbs 5 oz (5.6 kg) 6856002 — Drill Press Vise, tilting. Wt. 33 lbs (15.0 kg)

SPECIFICATIONS

Spindle Speeds: Variable Speed Model High Speed, 1800 RF	PM (188.50 rad/s) Motor
Slow Speed, 1200 RF	200 — 2000 RPM (20.94 — 209.44 rad/s) PM (125.66 rad/s) Motor 135 — 1350 RPM (14.14 — 141.37 rad/s)
2-Speed, 1800/900 RPN	1 (188.50/94.25 rad/s) 3 RPM (10.47 rad/s), 2000 RPM (209.44 rad/s)
Step Pulley Model 1800 RPM (188.50 ra	d/s) Motor 40 RPM (25.13 rad/s), 380 RPM (39.79 rad/s), 500 RPM (62.83 rad/s), 900 RPM (94.25 rad/s), 1500 RPM (157.08 rad/s)
1200 RPM (125.66 rad	d/s) Motor 60 RPM (16.76 rad/s), 260 RPM (27.23 rad/s), 400 RPM (41.89 rad/s), 610 RPM (63.88 rad/s), 1000 RPM (104.72 rad/s)

Quill Diameter .234" (69.85 mm) Spindle .#2 or #3 M.T., 6 spline .13/16" (30.16 mm) Base Working Surface .13½ x 18" (342.90 mm x 457.20 mm) Stroke .6" (152.40 mm)
Dimensions: Height, Floor Model (max.)

All specifications, dimensions and design characteristics shown in this catalog are subject to change without notice



FIVE-SPEED STEP PULLEY MODEL WITH EXCLUSIVE "SNAP/OPEN" SPRING LOADED DOOR



CHANGE SPEED INSTANTLY . . . CHECK SPEED INSTANTLY No belts to handle when you change spindle speed! Just a twist of the accurately-calibrated variable speed control lets you choose speeds instantly while machine is running. Extra wide speed range in one model. Increased accuracy and bit life in all drilling operations.



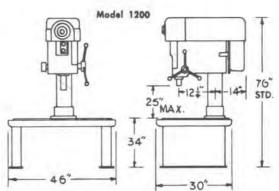
EQUIP WITH THE BEST for maximum PRODUCTIVITY, minimum DOWN-TIME, unexcelled PERFORMANCE and unequaled PRECISION.

Powermatic 20-inch Drill Presses have been developed over a twenty five year span, by dedicated people who devote time and effort to the details that make fine products.

Just a few of those important reasons for equipping with Powermatic Drill Presses are: the additional weight, the rugged construction, the carefully machined spindles, the sealed ball bearings, the wide variety of tables, the variety of columns, the large number of motors and controls and the care and skill which comes with twenty five years of manufacturing experience.

Superior performance is assured by sealed lubricated for life ball bearings, precision ground spindles of solid steel, 6 spline spindles and dynamically balanced pulleys.

Users everywhere, in all applications, depend on Powermatic.



MODEL LISTINGS

1200300 — 1-Spindle, Production Table, Step Speed, Less: Motor and Controls.
1200330 — 1-Spindle, Production Table, Variable Speed, Less: Motor and Controls.
1200340 — 1-Spindle, Production Table with T-Slots, Step Speed, Less: Motor and Controls.
1200350 — 1-Spindle, Production Table with T-Slots, Variable Speed, Less: Motor and Controls.

SPECIFICATIONS

Variable speed models: High Speed
(with 1800 RPM (188.50 rad/s) Motor,
.200 — 2000 RPM (20.94 — 209.44 rad/s)
Slow Speed (with 1200 RPM (125.66 rad s) Motor)
135 - 1350 RPM (14.14 - 141.37 rad/s)
Two-Speed Motor
Step-pulley Models
(with 1800 RPM (188.50 rad/s) Motor)
High Speed 240 RPM (25.13 rad/s), 380 RPM (39.79 rad/s),
600 RPM (62.83 rad/s), 920 RPM (96.34 rad/s),
1500 RPM (157.08 rad/s)

r	1110113	
	(with 1200 RPM (125.66 rad/s) Motor)	
	Slow Speed 160	RPM, 260 RPM (27,23 rad s
	400 RPM (41.89	rad s), 610 RPM (63 88 rad s)
		1000 RPM (104 72 rag s
	Quill Diameter	2¾ (69.85 mm
	Stroke	.6" (152.40 mm)
	Column Diameter	4 (101.60 mm)
	Column Wall Thickness	
	Column Length (Standard)	
	Largest Dia. Hole in Cast Iron	
	Largest Dia. Hole in Steel	
	Table Working Surface 24" x 40	0" (609.60 mm x 1016.00 mm)
	Max. Distance, Spindle Nose to Table	
	(with standard column)	
	Weight, Net	

Spindle Speed:

POWERMATIC



FEATURES

- * The only geared head drill press with a 4" column hole. Ideal for retrofitting to existing single or multiple spindle set ups. Mix gear drive, step pulley or variable drive heads in any combination to suit your special operations.
- * The two speed motor delivers 2 horsepower at high speed and a full 1.5 HP at low speed. More torque for heavy duty drilling in exotic metals.
- The quietest of all geared head drill presses. An exclusive combination of steel/fiber gearing assures a quiet positive drive.
- * And now, a 20" geared head drill press with power feed for those heavy duty drilling requirements.



-SPECIFICATIONS-

P-20 SPECIFICATIONS

No. of Speeds—8
Speeds (RPM) 85, 170, 335, 410, 670, 820, 1620, 3240
Column Hole Size—4.004/4.005" (101.702/101.727 mm)
Drilling Capacity—1" (25.4mm) in steel 1 3/16 (30.15mm) in Cast Iron
Motor Output—2.0/1.5 HP—1.5/1.1 KW
Distance Spindle to Column—10" (254mm)

Taper in Spindle #3 Morse Taper

Spindle Travel—5 5/16 (135mm)

PF-20 SPECIFICATIONS

No. of Speeds—8
Speeds (RPM) 85, 170, 335, 410, 670, 820, 1620, 3240
Column Hole Size—4.004/4.005" (101.702/101.727 mm)
Drilling Capacity—1" (25.4 mm) in steel 1 3/16 (30.15mm) in Cast Iron
Motor Output—2.0/1.5 HP—1.5/1.1 KW
Distance Spindle to Column—10" (254mm)
Taper in Spindle—# 3 Morse Taper
Spindle Travel—5 5/16 (135mm)
Number of Feeds—(4)
Feed Rates—.003, .006, .008, and 0.12 in/Rev.
.076, .152, .203, and .305 mm/Rev.

GEARED HEAD DRILL PRESS

BASIC MACHINES

1780001 1780002	Geared Head Drill Press, 20", Hand Feed, Floor Model, Prod. Table Geared Head Drill Press, 20", Power Feed, Floor Model, Prod. Table
	1. 그렇게 되었다면 하다 집에 가는 사람이 하는 가는 이번에 이 사이를 하는 사람이 하는 사람들에게 가고 있다면 하는데 사람들이 되었다면 하는데 그렇게 되었다면 그 것이다. 그 그 그 그 그 그리고 있다면 하는데 그 그 그리고 있다면 그 그 그 그리고 있다면 하는데 그리고 있다면 그 그 그리고 있다면 그리고 있다면 그리고 있다면 그 그 그리고 있다면
1780003	Geared Head Drill Press, 20", Hand Feed, Flood Model, Tilting Table
1780004	Geared Head Drill Press, 20", Power Feed, Flood Model, Tilting Table
1780005	Geared Head Drill Press, 20", Hand Feed, Bench Model
1780006	Geared Head Drill Press, 20", Power Feed, Bench Model
1780007	Geared Head Drill Press, 20", Hand Feed, 1 Spindle on 2 Spindle Prod. Table
1780008	Geared Head Drill Press, 20", Power Feed, 1 Spindle on 2 Spindle Prod. Table
1780009	Geared Head Drill Presses, 20", Hand Feed, 2 Spindles on 2 Spindle Prod. Table
1780010	Geared Head Drill Presses, 20", Power Feed, 2 Spindles on 2 Spindle Prod. Table
1780011	Geared Head Drill Presses, 20", Hand Feed, 4 Spindles on 4 Spindle Prod. Table
1780012	Geared Head Drill Presses, 20", Power Feed, 4 Spindles on 4 Spiindle Prod. Table
1780013	Geared Head Drill Press, 20", Hand Feed, 1 Spindle on 2 Spindle "T" Slot Prod. Table.
1780014	Geared Head Drill Press, 20", Power Feed, 1 Spindle on 2 Spindle "T" Slot Prod. Table.
1780015	Geared Head Drill Presses, 20", Hand Feed, 2 Spindles on 2 Spindle "T" Slot Prod. Table.
1780016	Geared Head Drill Presses, 20", Power Feed, 2 Spindles on 2 Spindle "T" Slot Prod. Table.
1780017	Geared Head Drill Presses, 20", Hand Feed, 4 Spindles on 4 Spindle "T" Slot Prod. Table.
1780018	Geared Head Drill Presses, 20", Power Feed, 4 Spindles on 4 Spin-

dle "T" Slot Prod. Table.



HEAD ASSEMBLIES-

1780019 Geared Hill Drill Press, 20", Hand Feed, Head Assembly 1780020 Geared Head Drill Press, 20", Power Feed, Head Assembly Machines are wired for single voltage only. Please specify 230V, 3Ph or 460V, 3Ph

- OPTIONAL ACCESSORIES -

2212006	Mounting Flange	3098005	42" Column
2277005	Head Raising Mechanism	3694006	Leveling Screw (2 reg per leg)
2383001	1/2" Chuck to No. 3 MT		2 Spindle Production Table
2391010	Coolant Assembly, 1 Spindle		4 Spindle Production Table
2391011	Coolant Assembly, 2 Spindle		2 Spindle "T" Slot Production Table
2391013	Coolant Assembly, 4 Spindle	3797065	4 Spindle "T" Slot Production Table
2423003	27" Steel Leg		No. 3 to No. 2 MT Sleeve
2423009	Center Post 4 Spdl Table	6160002	Coolant Pump and Tank
2797012	Table Raising Mechanism	6448005	Adjustable Work Light
3096039	Safety Collar	6856001	Vise
3098004	66" Column	6856002	Tilting Vise



HEAVIER ... VIBRATIONLESS ... SMOOTHER ...

Leading the field in performance ... rugged, versatile, dependable ... POWERMATIC® Model 141 Band Saw, through precise engineering, offers the outstanding performance required for every type of band sawing operation. The advance-design of the rugged one-piece, box type frame casting makes it the heaviest 14" Band Saw available. The weight, vibrationless operation, and perfect alignment gives the smoothest performance ever and, insures years of trouble free operation. A complete line of accessories, blades and electricals provide flexibility and safety previously found only in higher priced production models.



OPTIONAL CIR-CLE CUTTING AT-TACHMENT. Cuts circles and arcs with ease.



Exhaust Chute. This exhaust chute scavenges most of the dust and particles from inside the saw, reducing clean-out periods and improving saw performance.



Blade Guard. Extends the protected blade area to the workpiece, minimizing blade exposure to workable tolerances.



Ball bearing side and backup bearings reduce blade fatigue as much as 50% on all non-ferrous materials.



Swivel type table stop. Positive table stop at 90° or is easily moved to a 15° left tilt.



Quick change tires eliminates difficult tire change—massive boxtype casting houses dynamically balanced wheel for smooth operation.



Side Takeout Slot for bandsaw blade eliminates necessity of split or narrow trunnions. Tapered pin keeps table surface flat.



Rip Fence — Optional for precision ripping and resawing.



Table Trunnion — Heavy duty, widely spaced table trunnion assures positive lock and maximum table rigidity at any degree of tilt. Large, easy to read tilt scale located at the front of the trunnion.



Eye level blade tension scale shows correct tension for different blade widths. Adjustable from front of machine.

POWERMATIC

MODEL

14" WOODCUTTING BAND SAW

FRAME: Massive, box-type, one piece, cast iron frame, ribbed and cross ribbed for maximum rigidity, vibrationless, trouble-free service.

WHEELS: Heavy duty cast iron upper and lower wheels, precision machined and dynamically balanced for smooth running. Crowned rubber tires provide

positive grip preventing blade slippage.

TABLE: Huge 15" x 15" (381.00 mm x 381.00 mm) cast iron table, ground for true accuracy and equipped with side take-out to permit use of a one piece rip-fence guide rail. Tilts 45° right-15° left, with positive stop at 90°

TRUNNION: Wide spaced cast iron and steel trunnion assures positive locking of table. An easy to read 'sight' scale is mounted on front of trunnion for quick, positive tilt adjustment

SAW GUIDES: Top saw guide is fitted with back-up ball bearings and ball bearing side guides. Lower guide utilizes back-up ball bearing and 45° hardened steel side guides. Lower guide is just below table surface for maximum blade support.

GUARDS: All moving parts are completely guarded. Only the operating portion of the blade is exposed. Large deep drawn steel doors enclose upper and lower

SAW BLADE ADJUSTMENT. Blade tension is adjusted with conveniently located handwheel, spring loaded to absorb shock and maintain equal tension on the blade. A tension scale, located at eye-level, indicate proper blade tension.

DRIVE: Non-slip V-belt for utmost efficiency in any work load range. Drive, motor, and "v" belt are completely enclosed in a rugged steel floor stand.

STANDARD EQUIPMENT

MODEL 141 BANDSAW: 1/4" (6.35mm) blade, ball bearing guides,

wheel guards, blade guards, wrenches, arbor pulley, motor pulley, V-belt, and

BASIC MACHINES

1410010 - 14" Bandsaw, complete with all standard equipment. Less: Motor, controls, stand, motor pulley and V-belt.

MOTORS FOR USE WITH MODEL 141 BANDSAWS

1 Phase

3/4HP (.560kw), 60 Hz, 1800 RPM (198.50 rad/s), 115/230v, 6470700 TEFC. 56 frame.

3 Phase

34HP (.560kw), 60 Hz, 1800 RPM (198.50 rad/s), 575v. TEFC, 56 frame. 34HP (.560kw), 60 Hz, 1800 RPM (198.50 rad/s), 230/460v, 6470702

6470707

TEFC, 56 frame. 34HP (.560kw), 60 Hz, 1800 RPM (198.50 rad/s), 200v, 6470712 -TEFC, 56 frame.

CONTROLS FOR USE WITH MODEL 141 BANDSAWS

1 Phase

2398114 - Pushbutton Switch, 115/230v.

- Magnetic Controls, 115/230v 2398336 -

· 2398487 — Magnetic Controls, 115/230v, w/24v transformer.

*May be specified with 110v transformer.

2398115 -Pushbutton Switch, 200/230/460/575v 2398118 -

Magnetic Controls, 200/230/460/575v.

2398230 -JIC Controls, 200/230/460/575v

2398435 Magnetic Controls, 200/230/460/575v, w/24v transformer.

9100003 — Wired in flexible metal conduit in lieu of standard winng.

OPTIONAL ACCESSORIES

*1370000-Dust collector. Wt. 120 lbs (54.4 kg)

2195015-Rip Fence. Wt. 8 lbs (3.6 kg)

- Guard (retrofit.) Wt. 4 oz (.2kg) 2250087 -

 Lower Guide Assembly, Wt: 3 lbs (1.4kg)
 Upper Guide Assembly, Wt. 3 lbs (1.4 kg) 2253040

2253060 -

 Miter Gauge. Wt. 3½ lbs (1.6kg)
 Stop Rod Assembly. Wt. 1 lb (.45 kg) 2670003 -

2028073-Circle Cutting Attachment

NOTE: See page 94 for blade welders.

"See page 67 for dust collector.

2759013 - Floor Stand. Wt. 57 lbs (25.8kg)

6080002 — '4" (6.35mm) Wide Bandsaw Blade. Wt. 6 oz (.2kg) 6080003 — %" (9.52mm) Wide Bandsaw Blade. Wt. 6 oz (.2kg)

6080004 - 1/2

½" (12.70mm) Wide Bandsaw Blade. Wt. 8 oz (2kg)
 ¾" (19.05mm) Wide Bandsaw Blade. Wt. 12 oz. (.3 kg)

6448005 - Work Light. Wt. 8 oz (.2kg)

SPECIFICATIONS

CAPACITY: Blade to column distance	
Under guide	
Blade Speed	3000SFM (15.24 m/s)
Overall Height (on stand)	71" (1803 40mm)
Width	25½" (647.70 mm)
Front to Back	
Table Size	(381.00mm x 381.00mm)
Table height from floor	42" (1066.80mm)

Table tilt	45° right, 15° left
Blade width, maximum	
Blade length	8.40mm - 2387.60mm)
Weight, crated, less stand	
Weight, crated, with stand and motor	
Export, boxed, with stand and motor (39.9 cu	ft (1.129 m3)
***************************************	450 lbs (204.1kg) App.



RUGGED... BIG CAPACITY... A VERSATILE PERFORMANCE LEADER...

Combining careful design, rugged cast iron construction and big capacity, the Powermatic* Model 143-14" combination wood and metal Band Saw is equally adaptable to the machine shop, tool room, foundry, pattern or school shop, or wherever exacting performance is required. The added rigidity of its heavy duty construction makes it possible to cut stainless steel and guarantees true accuracy wherever there exists the problem of performing precision contour and band filing operations. Loaded with quality features, the Model 143-14" Band Saw is the ultimate for production needs . . . and it's priced within the range of the average hobbyist.



OPTIONAL CIRCLE CUT-TING ATTACHMENT. Cuts circles and arcs with ease.



protected blade area to the chute scavenges most of the workpiece, minimizing blade dust and particles from in-exposure to workable toler-side the saw, reducing ances.



Blade Guard. Extends the Exhaust Chute. This exhaust side the saw, reducing clean-out periods and improving saw performance.



Quick-change tires eliminates difficult tire change-massive boxtype casting houses dynamically balanced wheel for smooth operation.



Eye level blade tension scale shows correct tension for different blade widths. Adjustable from front of machine.



Saw Guides. Rugged, dependable hardened steel side guides with ball bearing back-up guarantee accuracy. Lower angular guide places guide just below table surface for maximum blade control.



Swivel type table stop. Positive table stop at 90° or is easily moved for a 15°



Side Takeout Slot for bandsaw blade elimi-nates necessity of split or narrow trunnions. Tapered pin keeps table surface flat,



Heavy Duty Precision Gear Train is constant-ly bathed in non-foaming oil. All shafts are mounted in sealed ball bearings assuring long life and trouble-free operation.



Belt-Tension Control. Swing-away action pro-vides quick, simple belt tension control. Lever located outside of belt housing permits belt adjustment in a minimum of time.



Welder. Blade welder and grinder for quick blade repair and installation. Portable only.

FRAME: Massive, box-type, one piece cast iron frame, ribbed and cross ribbed for maximum rigidity, vibrationless, trouble free service.

TRANSMISSION: Friction free ball bearing design throughout ... a massive, quick-change two speed gear box constantly bathed in oil for noise-less, long life operation. The two-speed transmission and step pulley drive provide any of eight speeds from 40 to 3000SFM (.203 m/s to 15.240 m/s) for cutting a variety of metals, plastics and wood.

WHEELS: Heavy duty cast iron upper and lower wheels are precision machined and dynamically balanced for smooth running. Crowned rubber tires provide positive grip preventing blade slippage.

TABLE: A huge 15" x 15" (381.00mm x 381.00mm) cast iron table, ground for true accuracy is equipped with side take-out permitting use of a solid rip fence guide rail. Tilts 45° right - 15° left with positive stop at 90°.

TRUNNION: Wide-spaced cast iron and steel trunnion assures positive locking of table. An easy to read 'sight' scale is mounted on front of table for quick, positive tilt adjustment.

SAW GUIDES: The top saw guide is fitted with backup ball bearing and large hardened steel side guides. Lower guide also utilizes backup ball bearing with angular hardened steel side guides. This design places lower guide just below table surface for maximum blade control.

GUARDS: All moving parts are completely guarded. Only the operating portion of the blade is exposed. Large deep drawn steel doors enclose upper and lower wheels.

SAW BLADE ADJUSTMENT: Blade tension is adjusted with conveniently located handwheel, springloaded to absorb shock and maintain equal tension on the saw blade. Convenient scale, mounted at eye-level for proper blade tension.

STANDARD EQUIPMENT -

MODEL 143 BANDSAW: 2-speed Transmission, belt guards, driven belt, %" (9.52 mm) blade, wheel blade guards, wrenches,

hardened steel blade guides, driven pulley, drive belt and exhaust chute

BASIC MACHINES

1430020-14" Bandsaw, complete with all standard equipment. Less: Motor and controls and stand

NOTE: MACHINE NOT SOLD LESS STAND

MOTORS FOR USE WITH MODEL 143 BANDSAWS

1 Phase

6470700 — ¾HP (.560kw), 60 Hz, 1800RPM (188.50 rad/s), 115/230v, TEFC, 56 frame.

4HP (.560kw), 60 Hz, 1800RPM (188.50 rad/s), 575v, TEFC, 56 frame. 4HP (.560kw), 60 Hz, 1800RPM (188.50 rad/s), 230/460v, 6470702 -

6470707

6470707 — 74717 (35050km), 200 — 75717 (35050

CONTROLS FOR USE WITH MODEL 143 BANDSAWS

1 Phase

2398114 - Pushbutton Switch, 115v.

2398336 — Magnetic Controls, 115/230v. 2398487 — Magnetic Controls, 115/230v, w/24v transformer.

*May be specified with 110v transformer.

3 Phase

3 Phase

2398115 — Pushbutton Switch, 200/230/460/575v. 2398118 — Magnetic Controls, 200/230/460/575v.

2398230 - JIC Controls, 200/230/460/575v: Class 1 only 2398435

- Magnetic Controls, 200/230/460/575v, w/24v transformer

9100003 - Conduit in lieu of standard wiring

OPTIONAL ACCESSORIES

*1370000-Dust collector. Wt. 120 lbs (54.4 kg)

1990010-Band Saw Welder with case and grinder for blades up to 1/2" (12.70

mm), 115v, wt. 59 lbs (26.8 kg)

1990020—Band Saw Welder with case and grinder for blades up to 4/1 (19.05 mm), 230v, wt. 59 lbs (26.8 kg)

1990030—Band Saw Welder with case and grinder for blades up to 4/1 (19.05 mm), 230v, wt. 59 lbs (26.8 kg)

mm), 460v, wt. 59 lbs (26.8 kg) -Band Saw Welder with case and grinder for blades up to ¾" (19.05

mm), 575v, wt. 59 lbs (26.8 kg) 2195015—Rip Fence, Wt. 8 lbs (3.6 kg) 2471010—Miter Gauge. Wt. 3½ lbs (1.6 kg)

2250087-Guard (retrofit.) Wt. 1 lb. (.45 kg)

NOTE: See page 94 for blade welders. *See page 67 for dust collector.

2670003-Stop Rod Assembly, Wt. 1 lb (45 kg) 6080008—14" wide band saw blade. (Specify wood or metal). Wt. 6 oz. (.2 kg). 6080009—3₈" (9.52 mm) wide band saw blade. Wt. 6 oz. (.2 kg)

6080010—% (12.70 mm) wide band saw blade. Wt. 8 oz. (.23 kg) 6080011—% (19.05 mm) wide band saw blade. Wt. 12 oz. (.3 kg) 6448005—Work Light. Wt. 10 oz. (3 kg) 2379001—Dust Chute (retrofit.) Wt. 1 ib (.45 kg)

2759043-Floor Stand

2028073-Circle Cutting Attachment

SPECIFICATIONS

Capacity: Blade to column distance	(355.60mm)
Under guide	(165.10mm)
Speeds: With 1800RPM (188.50 rad/s) motor40SFN	
60SFM (.305 m/s), 100SFM (.508 m/s), 160SFM	A (.813m/s),
750SFM (3.810 m/s), 1200SFM (6.096 m/s),	, 1800SFM

(9.144m/s), 3000SFM (15.240m/s)

 Overall Height (on stand)
 .71" (1803.40mm)

 Width
 .25½" (647.70mm)

 Front to back
 .13¼" (336.55mm)

Table size	mm)
Table height from floor	
Table tilt	left
Blade width, maximum	
Blade length	
Weight, domestic crated, with stand and motor395 lbs (179.	1kg)
Export boxed, with stand and motor (41.5 cu ft (1.174 m3)	NO. PORTER I
ETE 11 (000 01 - 1	A comment



ACCURACY IN EVERY OPERATION

Powermatic* precision means exacting engineering and design to assure superior accuracy in every band saw job you do. Powermatic dependability means years of rugged service on the production line or job shop type of operations. A balance combining rigid heavy gauge sheet steel and cast iron construction, the Powermatic Model 81 has all moving parts enclosed to help insure safety.



Table Insert Quickly Removed for fast blade change. Note deep flange on precision-machined table for extreme rigidity.



OPTIONAL CIRCLE CUTTING AT-TACHMENT. Cuts circles and arcs with ease



Fully Enclosed Motor and Drive assures longer motor life. Top and bottom wheels easily accessible through front doors.



Friction-Free Ball Bearing Guides top and bottom increase blade life, adjust to fit any type of blade.



Heavy-Duty 6" (152.40 mm) Single-Action Trunnion affords maximum rigidity. Fast, sure table adjustment 45° right, 15° left, positive 90° stop.



Crowned tires for accurate blade tracking.



Exhaust Chute. This Standard exhaust chute scavenges most of the dust and particles from inside the saw, reducing clean-out periods and improving saw performance.



Optional Simplified Rip Fence Mounting on machined and drilled front edge of table, # 2195001



Optional Miter Gauge. Precision cast aluminum miter guage. # 2471010



Optional Work Light. Flexible work-lamp. Ideal for spotlighting working surface. # 6448003



Blade Guard. This heavy duty standard plastic guard extends the area of blade protection to the top of the workpiece.

FEATURES

FRAME: Welded design of rugged reinforced steel . . . nothing die cast.

TABLE: Ground to precision tolerance. Mounted on heavy-duty trunnion to tilt 45° right, 15° left. Front edge machined and drilled for mounting rip fence.

WHEELS: Made of finest machined castings, dynamically balanced and fitted with vulcanized tires. Upper and lower wheels run in lubricated-for-life ball bear-

DRIVE: Belt driven two speed, powered by 1800 RPM (188.50 rad/s) motor mounted on adjustable motor base.

BRAKE: Standard with manually operated foot brake.

Powermatic's exclusive brake interlock with switch (optional) with magnetic controls.

SAW BLADE ADJUSTMENT: Conveniently located handwheel for blade tension adjustment. Spring mechanism absorbs shock and maintains uniform tension on the blade.

SAW GUIDES: Top and bottom saw guides are ball bearing to assure minimum friction and increased blade life.

GUIDE ARM: Rugged, counter-balanced guide arm allows effortless adjustment of saw guides - yet maintains unsurpassed rigidity.

STANDARD EQUIPMENT

MODEL 81 BANDSAW: Blade and wheel quards, % (9.52mm) blade, set of wrenches, foot brake, dust chute, blade tension con-trol, ball bearing blade guides, counterbalanced guide arm, motor

mount bracket, driven pulley, motor pulley, and belts. Less: Motor and Controls.

BASIC MACHINES-

1810010 - 20" Bandsaw, complete with all standard equipment, Less: Motor and controls.

1810020 - 20" Bandsaw, complete with all standard equipment, 24" (609.60mm) Under guide, Less: Motor and controls.

MOTORS FOR USE WITH MODEL 81 BANDSAWS

1 Phase

6471301 — 1½HP (1.119kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/ 230v, TEFC, 145T frame, 6471627 — 2HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/

230v, TEFC. Special 182T frame

3 Phase 6471026 — 1HP (.746kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 143T frame.

6471027 -1HP (.746kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 143T frame.

6471304 — 1½HP (1.119kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 145T frame.
6471317 — 1½HP (1.119kw), 60 Hz, 1800 RPM (188.50 rad/s), 575v, TEFC, 145T frame.
6471322 — 1½HP (1.119kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, TEFC, 145T frame.
6471603 — 2HP (1.492kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC 145T frame.

6471616 -

TEFC, 145T frame.
2HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 575v, TEFC, 145T frame.
2HP (1.492 kw), 60 Hz, 1800 RPM)188.50 rad/s), 200v, 6471617 TEFC, 145T frame.

CONTROLS FOR USE WITH MODEL 81 BANDSAWS-

1 Phase

2398007 — Magnetic Controls, 115/230v

2398414 -- Pushbutton Controls, 115/230v

· 2398483 — Magnetic Controls, 115/230v, w/24v transformer.

'May be specified with 110v transformer.

2398001 -- JIC Controls, 200/230/460/575v

2398011 — Magnetic Controls, 200/230/460/575v.

2398015 -- Magnetic Controls, 200/230/460/575v, w/24v transformer

2398156 - Pushbutton Switch, 200/230/460/575v

9100002 - Conduit in lieu of standard wiring

OPTIONAL EQUIPMENT

*1370000—Dust collector, Wt. 120 lbs (54.4 kg) 2195001—Rip Fence, Wt. 2 lbs (10.0 kg) 2397031—Dust Chute (retrofit.) Wt. 1 lb (.45 kg)

2397032 — Guard Wt. 4 oz. (2 kg) 2398513 — Foot Brake Interlock with Switch to provide power shul-off (available with magnetic starter only)

2471010—Miter Gauge. Wt. 31/2 lbs (1.6 kg) 2670003—Stop Rod Assembly. Wt. 1 lb (.45 kg)

6077160-Belt Hi-Speed A-41

6077161 -Belt Lo-Speed A-55

6080014—¼" (6.35 mm) wide Band Saw Blade. Wt. 8 oz. (.2 kg) 6080015—¾" (9.52 mm) wide Band Saw Blade. Wt. 8 oz. (.2 kg) 6080016—½" (12.70 mm) wide Band Saw Blade. Wt. 8 oz. (.2 kg) 6080017—¾" (19.05 mm) wide Band Saw Blade. Wt. 8 oz. (.2 kg)

6339002-Carter Guide Set (2 required)

6448003-Flexible Work Light Wt. 10 oz. (3 kg)

2028073-Circle Cutting Attachment

NOTE: See page 94 for blade welders.

"See page 67 for dust collector.

SPECIFICATIONS

Table Size 3" x 24" x 24" (76.20 mm x 609.60 mm x 609.60mm)
Table in front of blade
Table tilt
Wheel size
Blade to column distance
Maximum depth of cut under guide
Maximum width blade recommended
Maximum adjustment of blade

Length of blade	
Wheel speeds	900 RPM (94.25 rad/s) 4500 SFM (22.860m/s) 400 RPM (41.89 rad/s) 2000 SFM (10.160 m/s)
Motor power re-	commended, (V-belt drive) 1 to 2 HP (.746 to 1.492kw), 1800RPM (188.50 rad/s)

Overall height ...
 Overall height
 .76" (1930.40mm)

 Table height from tloor
 .41½" (1054.10mm)

 Weight, domestic crated, with motor
 .895 lbs (405.9kg) app.
 Weight, export boxed, with motor (94.4 cu ft (2.672 m3)



CHECK THESE IMPORTANT EXTRA VALUE FEATURES

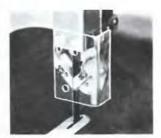
CHECK SPEED INSTANTLY . . . CHANGE SPEED INSTANTLY . . . FROM 47 to 5200 SFM (.239 m/s to 26.416 m/s)

Match the speed to the material to be cut...instantly! No time-wasting speed change-over necessary. Just dial the correct speed and get a smooth cut every time.

Rugged, precision construction assures years and years of dependable performance in cutting all types of ferrous and non-ferrous metals . . . wood, plastic and similar materials.



Exhaust Chute. This optional exhaust chute scavenges most of the dust and particles from inside the saw, reducing clean-out periods and improving saw performance. Optional equipment.



Blade Guard. This standard heavy duty plastic guard extends the area of blade protection to the top of the workpiece.



Heavy Duty 6" (152.40mm) Single-Action Trunnion for maximium rigidity. Adjust table 45° right, 15° left.

This Welder is optional.
Part No. 2846001 — 115v.
2846002 — 230v.
2846006 — 460v.
2846007 — 575v.



New upper and lower guide blocks with M-2 steel faced back-up bearings are standard with the Model 87. One set of %" (9.52mm) inserts only is supplied as original equipment.



Blade Welder and Grinder is front-mounted for quick, accurate blade repair and installation.



Convenient, Removable Chip Pan is located just below lower wheel.



Counter-Balanced Guide Bar makes guide and blade adjustment safe and simple. Note telescoping guard completely enclosing blade above guide.



Quik-Set Speed Selector mechanism, transmisison, motor and drive mechanism are completely enclosed in the base.



Front-Mounted Control Center within easy reach activates entire variable speed range. No belts to change . . . hand-wheel controlled speed.



EXCLUSIVE . . .



SPEED SELECTOR (STANDARD EQUIPMENT)

Just a quick turn of the convenient hand-wheel and you accurately dial any speed from 47 SFM (.239 m/s) to 5200 SFM (26.416 m/s). Highly important when stock changes are frequent and extreme accuracy must be maintained. Exclusive in the Powermatic® price range!

EXTRA SAFETY

— streamlined in design with all moving parts completely guarded. Blade exposed only from guide to table!

PRECISION ENGINEERED

combining practical shop requirements with the finest operating features.

RUGGED CONSTRUCTION

built of tough, heavy-duty steel plate.
 Sturdy reinforcement at all points of stress assures maximum rigidity, accuracy and dependability even under the most extreme operating conditions.

SPECIFICATION

Blade to column guard distance
Maximum depth of cut under guide
Table size 3" x 24" x 24" (76.20mm x 609.60mm x 609.60mm
Wheel size
Table tilt, right45
Table tilt, left
Blade width%" (9.52mm
(Usable Maximum 3/4" (19.05mm) Minimum 1/46" (1.59mm)

Blade length	149" (3784.60mm) to 152" (3860.80mm)
Blade speed	
Overall height	
Floor space required :	39" by 27" (990.60mm x 685.80mm)
Weight, net, less motor .	
Weight, domestic crated	1300 lbs (589.6kg)
Weight, export boxed	

POWERMATIC

MODEL

20" METAL CUTTING BAND SAW

FEATURES

FRAME: Rugged sheet steel construction, braced for

maximum rigidity—no die castings. **TABLE:** 24" x 24" (609.60 mm x 609.60 mm) precision ground grey iron, with 3" (76.20mm) machined flange, removable table insert. Tilts 45° right, 15° left on 6' (152.40mm) wide grey-iron trunnion assembly with single lock and positive 900 stop.

WHEELS: Dynamically balanced cost iron wheels turn-

ing on lubricated-for-life ball bearings.

GUARDS: Completely enclosed moving parts; counter-balanced, telescoping upper blade guard.

BLADE ADJUSTMENT: Convenient handwheel adjusts blade tension. Visible tension scale assures proper adjustment. Spring mechanism absorbs shock, maintains uniform tension. Optional chip blower furnishes air jet to working area.

GUIDES: 45° angle guides, carbo nitrided powdered iron inserts correspond to blade size in use. Heat

treated tool steel backup ring.

DRIVE: Infinitely variable 47 to 5200 SFM (.239 m/s) to 26.416 m/s), by variable speed dial. 2-step oil bath transmission.

STANDARD EQUIPMENT

Blade and wheel guards, 36" (9.52 mm) blade, set of wrenches, chip pan, blade tension control, 45° angle quide with one set only 36" (9.52mm) inserts. Counter

balanced guide arm, motor mount bracket, driven pulley, motor pulley and belt. Less: Motor and Controls.

BASIC MACHINES

1870140 — 20" Metal Cutting Bandsaw, with all standard equipment and plain 24" x 24" (609.60mm x 609.60mm) table. Less: Motor and controls.

1870150—20" Metal Cutting Bandsaw, with all standard equipment and tee slotted 24" x 24" (609.60 mm x 609.60 mm) table. Less: Motor and controls.

(Model 87 Bandsaws not sold less motor. Select from list below.) SPECIAL "HIGH-NECK" 24" UNDER GUIDE BANDSAWS AVAILA-BLE ON SPECIAL ORDER.

MOTORS FOR USE WITH MODEL 87 BANDSAWS

1½HP (1.119kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/ 230v, TEFC, 145T frame. 6471301 -

2HP (1.492kw), 60 Hz, 1800 RPM (188.50 rad/s), 115/230v, TEFC, Special 182T frame.

3 Phase

11/2HP (1.119kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/460v, TEFC, 145T frame. 6471304 -

1½HP (1.119kw), 60 Hz, 1800 RPM (188.50 rad/s), 575v, TEFC, 145T frame. 1½HP (1.119kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, 6471322 -TEFC, 145T frame.

6471603 — 2HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 230/ 460v, TEFC, 145T frame. 6471616 — 2HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 575v,

TEFC, 145T frame.

2HP (1.492 kw), 60 Hz, 1800 RPM (188.50 rad/s), 200v, 6471617 -TEFC, 145T frame.

6471916 - 3HP (2.238kw), 60 Hz, 1800 RPM (188.50 rad/s), 200/230/ 460v, TEFC, special 182T frame.

*3 HP Requires Magnetic Control

CONTROLS FOR USE WITH MODEL 87 BANDSAWS -

1 Phase 2398007 — Magnetic Controls, 115/230v.

2398414 - Pushbutton Switch, 115/230v.

2398483 — Magnetic Controls, 115/230v, w/24v transformer.

*May be specified with 110v transformer.

3 Phase 2398001 -JIC Controls, 200/230/460/575v

2398011 - Magnetic Controls, 200/230/460/575v. 2398015 - Magnetic Controls, 200/230/460/575v, w/24v transformer.

2398156 — Pushbutton Switch, 200/230/460/575v.

9100002 - Conduit in lieu of standard wiring

OPTIONAL ACCESSORIES

*1370000—Dust collector. Wt. 120 lbs (54.4 kg) 2028073—Circle Cutting Attachment. Wt. 7 lbs 11 oz (3.5kg)

20280/3—Circle Cutting Attachment. Wt. 7 lbs 11 oz (. 2028002—Blade Filing Clamp. Wt. 12 oz (.3kg). 2028003—Automatic Power Feed Attachment. 2109001—Blade Shear, Wt. 4 lbs (1.8kg). 2195001—Rip Fence. Wt. 22 lbs (10.0kg). 2253068—Lower Guide with Guide post. Less: Inserts. 2253071—Upper Guide Less: Inserts. 2253073—90° Twist Bracket Kit. 2253073—90° Twist Bracket Kit. -Angle Feed Block for Hand or Screw Feed, Wt. 7 lbs (3.2kg) -Screw Feed Attachment, Wt. 9 lbs 8 oz (4.3kg) 2253074-

2266001-

2395005-Chip Blower Wt. 15 lbs (6.8kg.).

2397032--Guard. (Retro fit.)

Electrical Shift Interlock Kit. 2398514-

2400001 — Work Light with Transformer. 2403005 — Guide Insert Set (4 each of 5 sets, 1/4" (3.18 mm thru 44" (19.05 mm).

2403007—45° Angle Guide Set. (Twists blade to 45° angle.) Wt. 1 lb (45 kg) 2471010—Miter Gauge. Wt. 4 lbs (1.8 kg).

2670003-Stop Rod Assembly

 $2846001--\frac{1}{2}$ " (12.70 mm) Welder with Grinder, 115v, Wt. 55 lbs (24.9kg). 2846002-1" (19.05 mm) Welder with Grinder, 230v, Wt. 55 lbs (24.9kg). 2846006-1" (19.05 mm) Welder with Grinder, 460v. Wt. 55 lbs (24.9kg).

-1" (19.05 mm) Welder with Grinder, 575v. w/transformer, Wt. 55 lbs 2846007-

(24.9kg). —Table Insert. Wt. 2 lbs (.9kg).

3328040-3328216—16" (3.18mm) Guide Inserts, (4 required). 3328217—14" (6.35mm) Guide Inserts, (4 required).

3328218—%" (9.52mm) Guide Inserts, (4 required). 3328219—½" (12.70mm) Guide Inserts, (4 required). 3328220—%" (19.05mm) Guide Inserts, (4 required).

332820—4 (19.05mm) Band Saw Blade 6080021—4 (6.35mm) Band Saw Blade 6080021—4 (9.52mm) Band Saw Blade 6080022—1/2" (12.70mm) Band Saw Blade 6080103—4 (19.05mm) Band Saw Blade

^{*}See page 67 for dust collector.

OPTIONAL ACCESSORIES FOR ADDED FLEXIBILITY

Precision Performance, Extra Safety on... Every Job

Engineered Powermatic® accessories are available to cover every bandsaw operation, faster, more accurately and with safety. Powermatic time and money saving accessories increase the flexibility of the Model 87 Bandsaw by meeting all conceivable bandsaw job requirements.



Screw Feed Attachment, fitted to table insert, offers maximum in feed control and safety for cutting smaller stock.
Part No..... 2266001



New Circle Cutting Attachment. Retrofits on any Bandsaw cuts from 2" to 6' diameters. Also great for ARC'S.



Table-Insert Stock Guide is essential for many high production operations. Standard equipment



New upper and lower guide blocks with M-2 steel faced back-up bearings are standard with the Model 87. One set of %" (9.52mm) inserts only is supplied as original equipment.



Flex Mount Work Lamp keeps work area well lighted. Move easily to any position. Flexible chip blower is also available. Part No.2400001



AUTOMATIC POWER FEED available (OPTIONAL EQUIPMENT) Part No. 2028003



Tremendous time and labor saver on production line operations! Stock moves perfectly along table-insert slot at predetermined rate of feed. Handy, foot-controlled release.



In addition to the rigidity and extra strength standard with Powermatic[®] bandsaws, the new "dynamatic" has improved on this feature with a new unitized steel frame. Deflection of the upper housing under full load is minimal.

A newly incorporated one-piece upper wheel housing, simplifies guidepost alignment and strengthens the upper wheel housing.

A hydraulic powered table adds to the utility and versatility of this over other 20" bandsaws.—feed through use of a hydraulicly actuated table,—longer blade life from the consistent feed forces employed—better operator performance because the machine—does all the hard work.

Finally,-a new 2 -speed transmission together with Powermatic's recognized infinitely variable speed control to give a maximum speed range for almost every shop requirement (47 SFM (.239 m/s) to 470 SFM (2.388 m/s) in low and 520 SFM (2.642 m/s) to 5200 SFM (26.416 m/s) in high speed). The shift lever is conveniently located just under the table for ease of operation, yet placed to prevent accidental shifting while the machine is running. Another feature of this transmission is a self-adjusting "Torque Limiter" which prevents machine overloading. In case of overload, a clutch slips thus preventing broken gears. The whole unit is readily accessible for maintenance or adjustment.

SPECIFICATIONS

Maximum work thickness	
Blade width capacity	1/6" (3.18 mm) to 1" (25.40 mm)
Blade length	(3784.60 mm) to 152" (3860.80 mm)
Type blade	
Table size	24" x 24" (609.60 mm x 609.60 mm)

Blade speed	
able tilt	
Table feed stroke	
Table feed force)
Table feed speed)
lydraulic pump)
@ 100 PSI (6.894 757 E-05 Pa)	

MODEL

20" METAL CUTTING BANDSAW with HYDRAULIC TABL

FEATURES

FRAME: Rugged unitized welded steel construction. Braced for maximum rigidity and minimum deflection with 300 lbs (136.1 kg) of cutting force.

TABLE: 24" x 24" (609.60 mm x 609.60 mm) precision ground grey iron, titls 45° right and 15° left. Coolant trough around entire table.

WHEELS: Dynamically balanced cast iron wheels turning on lubricated-for-life ball bearings. New one piece upper wheel housing simplifies wheel/guide post alignment and increases strength of upper housing.

GUARDS: Blade guards are attached to the counterbalanced guide post thus automatically adjusting guard position and allowing minimum blade exposure.

HYDRAULIC FEED: The hydraulic system in this bandsaw is an independent unit. driven directly from the bandsaw motor. Feed speed and direction (forward, reverse, stop) of the hydraulicly powered table is operator controlled. Adjustable positive stop is standard.

GUIDES: 45° angle guides, carbo nitrided powdered iron inserts correspond to blade size in use. Heat treated steel backup ring.

DRIVE: 2-speed transmission with infinitely variable speed control offering 47 to

470 SFM (.239 m/s to 2.388 m/s) in low speed, and 520 SFM to 5200 SFM (2.642 m/s to 26.416 m/s) in high speed. Incorporated as standard equipment in this transmission is a Torque Limiter which is self-adjusting and prevents overloading the drive system.

STANDARD EQUIPMENT

MODEL 88 BANDSAW: Blade and wheel guards, 34" (19.05mm) blade, set of wrenches, 45° angle heat treated sintered guides, blade tension control, counterbalanced guide arm, hydraulic table feed, integral hydraulic pump and reservoir, 2-speed transmission, flood and mist coolant system with pump, work squaring bar and work light. Less: Motor and controls.

BASIC MACHINES

1880010 - 20" metal cutting bandsaw with all standard equipment. Less: Motor and controls.

MOTORS

6471603 - 2HP (1.492 kw), 3 Ph, 1800 RPM (188.50 rad/s), 230/460v, 145T frame

6471616 2HP (1.492 kw), 3Ph, 1800 RPM (188.50 rad/s), 575v, 6471617 — 2HP (1.492 kw), 3 Ph, 1800 RPM (188.50 rad/s), 200v, 145T frame.

6471916 - 3HP (2.238 kw), 3 Ph, 1800 RPM (188.50 rad/s), 200/230/460/575v, Special 182 frame.

CONTROLS

2398520 - 3 Ph, Magnetic controls, with 115v transformer,

9100002 - Conduit in lieu of standard wiring.

OPTIONAL ACCESSORIES

1370000 Dust collector. Wt. 120 lbs (54.4 kg)

2028073-Circle cutting attachment. Wt. 2 lbs (.9 kg) 2028002-Blade filing clamp. Wt. 22 oz (.6 kg)

-Contour Cutting Attachment -Lower guides with steel faced back-up bearings. Less: Inserts. -Upper guides with steel fenced back-up bearings. Less: Inserts.

-90° twist bracket kit. 2353073-

-Dust chute, Wt. 1 lb (.45 kg) 2397031-

-Electrical interlock kit. -Guide Insert Kit. 2398514-

2403005-

2846001—34" (19.05 mm) welder, 115v, Wt. 55 lbs (24.9 kg) 2846002—1" (19.05 mm) welder, 230v, Wt. 55 lbs (24.9 kg) 2846006—1" (19.05 mm) welder, 460v, Wt. 55 lbs (24.9 kg)

2846007—1" (19.05 mm) welder, 575v. Wt. 55 lbs (24.9 kg)

*See page 67 for dust collector.

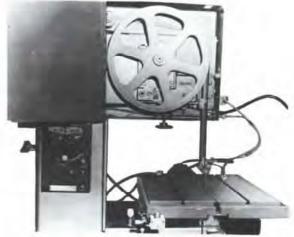
ASSURANCE OF PERFORMANCE



2-SPEED TRANSMISSION

This new and different two speed transmission is powered by enclosed helical gears running in a continuous bath of oil. High and Low range gears are now selected by a shift lever located on the frame just under the left corner of the table . . . easy to reach . . . eliminating all "linkage" characteristics in older models.

The two speed transmission, plus a new variable speed drive system provides a wide speed range . . . 47 to 470 SFM in low range, and 520 to 5200 SFM in high range. A speed for all slow or high speed cutting operations; even to friction cutting sheet metal. Incorporated as standard equipment with this new transmission, is a SELF ADJUSTING TORQUE LIMITER which prevents "overloading". A clutch slips in case of overload without shearing gears. Placement in the lower bandsaw compartment makes this power unit easily accessible for maintenance or adjustment.



UPPER WHEEL HOUSING TABLE AND GUIDE BAR

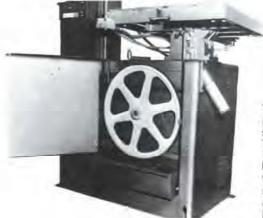
This view of the upper wheel housing and guide bar serves to familiarize the viewer with the general makeup of the bandsaw.

The massive construction of the upper wheel bearing support is apparent, even "looking through the wheel". Blade tension is accomplished through the small handwheel directly below the blade wheel in the center of the picture. The blade guard and guide assembly is counterweighted for ease of movement and are locked in place through use of a handwheel lock screw on the back of the housing.

Illustrated in place, are the flood coolant system and the work light. These units are standard equipment. Also shown in place in the illustrations used in this brochure, is a blade Welder. This unit is optional and is shown in this way to illustrate the convenience and utility of this accessory.

The table is 24" x 24", slotted to accept standard "T" bolts and the work squaring bar which is standard equipment, (not shown). Note that the table has a coolant trough around the entire perimeter.

The hydraulic table control valve is at the left corner of the table, while the shift control lever is between the table and frame on the top of the lower wheel housing.



This view of the lower wheel housing emphasizes thoughtful design, massive construction and simplicity

The flood coolant trough around the table is shown at the top of the picture. Here can be seen the ends of the table slots, the table hydraulic control valve and the gear shift lever.

Although hidden by the open door, the infinitely variable speed control hand-wheel is conveniently located for minimal

movement or effort on the part of the operator to vary speeds infinitely in either the high or low speed range. The dust or chip chute shown is optional equipment. The removable chip pan just under the lower wheel is standard.

The extra heavy trunnion for tilting the table is obvious from the photo. Just a glimpse is shown here of the heavy duty round steel bars on which the table slides.

POWERMATIC

WELDERS

The Model 600 Welder is designed to weld most commonly used blades. Controls and clamping features are the best available for the purpose. The built-in grinder assures a finished blade weld.

2846001 — Model 600 Welder w/grinder, 115v. 2846002 — Model 600 Welder w/grinder 230v.

2846006 — Model 600 Welder w/grinder and transformer, 460v. 2846007 — Model 600 Welder w/grinder and transformer, 575v. 2109001 — Blade Shear for Model 600.



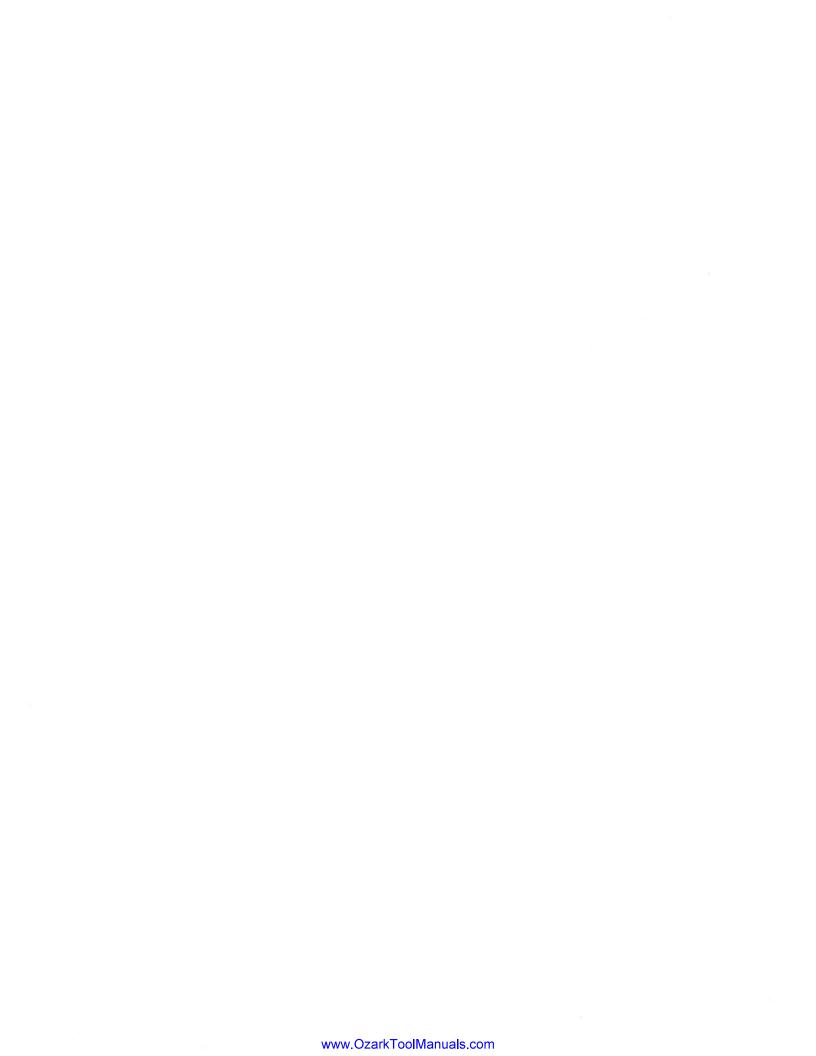


Capacities of the Model 600 Welder are from 1/16" through 1" blades. (Note: 115v models are 1/2" capacity only.)

This is the same Model 600 Welder except with case.

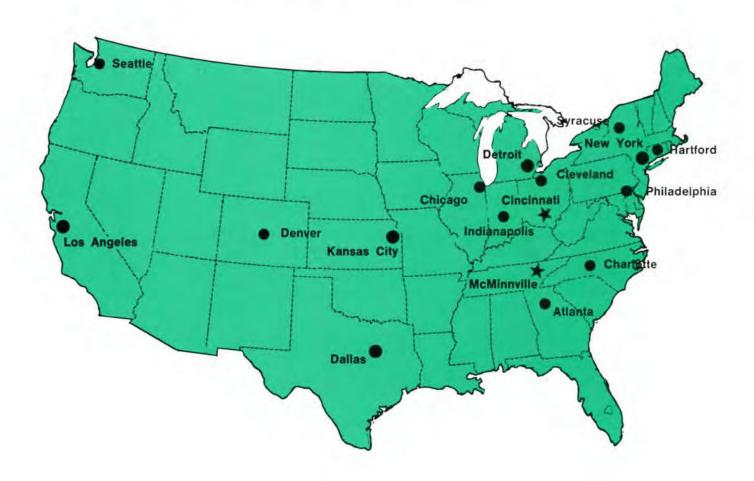
1990010 — Model 600 Welder w/case, 115v. 1990020 — Model 600 Welder w/case, 230v. 1990030 — Model 600 Welder w/case and transformer 460v. 1990040 — Model 600 Welder w/case and transformer 575v.





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With two factory locations in the United States, Powermatic leads the way in comprehensive distribution.



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