

TROY-BILT®

Roto Tiller-Power Composters

ILLUSTRATED

BROCHURE

When you have decided which model Tiller and attachments you want, please fill in the Order Form and mail the whole page back to us in the postage-free envelope enclosed.

Thank you.



P-50

P-51E

5 HP Recoil Starting or 5 HP Electric Starting "PONY"

(Briggs and Stratton "Cool-Bore" Aluminum Engine)

The smaller Troy-Bilt model. Ideal for tilling, cultivating between closer set rows, as well as power composting. Electric Start Version (see circle above) has key start motor and 12 volt battery which recharges while you till. It can also be started by hand. Semi-pneumatic tractor tread tires and bolo tines are standard on both models. 160 lbs. (180 lbs. for electric).



H-70

7 Horsepower Recoil Starting Professional Model "HORSE"

(Cast Iron Kohler Engine)

The Tiller many Troy-Bilt owners eventually "move up to." The same as the 6 Horsepower Recoil Model, except that it includes — as standard equipment — bar tread tires and a 7 Horsepower Kohler K161 engine rated for industrial use. The Kohler engine uses a larger piston with a short stroke which gives it "tractor lugging power" for long duration tilling in even the toughest soil conditions. 286 lbs.



H-61E
Electric Starting



H-60
Recoil
Starting

6 Horsepower Recoil Starting or 6 Horsepower Electric Starting "HORSE"

(Cast Iron Tecumseh-Lauson Engine)

By far the most popular Troy-Bilt Tiller Model. Heavy Duty Engine, Bolo Tines, and diamond tread tires all standard. Electric Starting Version (see circle above) has key starter motor and 12 volt battery which recharges while you till. Electric starting in cold or damp weather makes this version a real convenience for many folks. It can also be started by hand. 268 lbs. (294 lbs. for electric).

*"Off-Season" savings
already figured. See separate
Order Form enclosed.
Brent Chalmers.com
D.L.*

The more you know about rotary you will appreciate the TROY-BILT

The "HORSE" Model...

For deep tilling and rapid, but controlled cultivating with minimum operator fatigue — under the toughest conditions — there is no substitute for a machine with **REAR-MOUNTED TILLER TINES** and **POWER-DRIVEN WHEELS**. Please consider carefully all of the reasons shown here why we believe the Troy-Bilt® to be the outstanding tiller value on the market today.

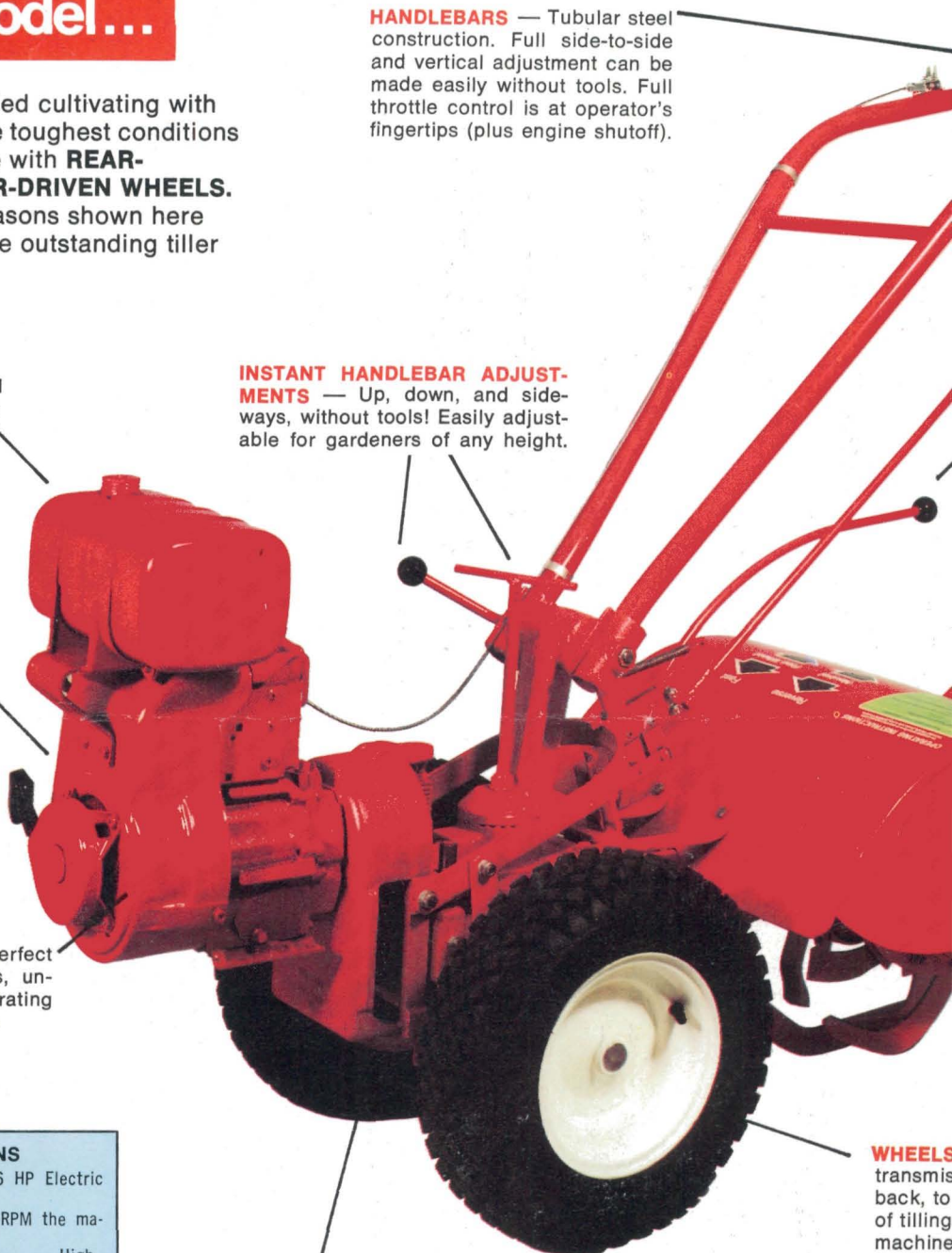
TOP MOUNTED FUEL TANK — Provides full fuel feed . . . even in sloping areas. Big 1½ gallon fuel capacity.

6 HP TECUMSEH-LAUSON AND 7 HP KOHLER ENGINES — Four cycle, all cast-iron construction, for long engine life, recoil starter with automatic compression release on all Horses. Electric-starting 6 HP Model also available for quick starting even in cold weather!

MOTOR OUT FRONT — Makes for almost perfect distribution of weight over machine's chassis, unbelievable tiller balance, and exceptional operating ease. You don't have to fight this tiller — ever.

HANDLEBARS — Tubular steel construction. Full side-to-side and vertical adjustment can be made easily without tools. Full throttle control is at operator's fingertips (plus engine shutoff).

INSTANT HANDLEBAR ADJUSTMENTS — Up, down, and sideways, without tools! Easily adjustable for gardeners of any height.



WHEELS — transmits back, to of tilling machine it along the tines 4:80 x 8 diamond tional or

"HORSE" Model SPECIFICATIONS

HORSEPOWER: 6 or 7 HP recoil starting, also 6 HP Electric Starting.

SPEEDS: When the engine is operating at 3000 RPM the machine ground and tiller tine speeds are:

	Low	High
Ground Speed5 MPH	1.2 MPH
Tiller Tine Speed	146 RPM	146 RPM

DIMENSIONS:

Height: With handle bars mounted . . . from a 32" minimum with bars turned down for easier loading into station wagon or car trunk . . . up to any height suitable for operator.
32" without handle bars mounted.

Length: 66" with handle bars
51" without handle bars

Width: 23" from hoodside to hoodside
20" tilling width

Weight: 6 HP — 268 lbs.
6 HP Electric Starting — 294 lbs.
7 HP Professional Model — 286 lbs.
For shipping . . . add 40 lbs. more for container weight.

TRANSMISSION — Rugged and gear-driven, provides two easily selected forward and reverse speeds at handlebars. Separate steel worms on main drive shaft drive highly durable worm gears to power wheels and tiller tines. (Final speed reduction and power to wheels comes from heavy duty cast iron HIGH & LOW speed gears and a dog CLUTCH in the "HORSE" Models.) Main drive and tiller shafts are mounted on tapered roller bearings. Pinion shaft is mounted on ball bearings. Entire wheel and tiller transmission operates in a bath of gear oil.

tillers the more we believe

T[®] Roto Tiller-Power Composters



FORWARD AND REVERSE LEVER

— Power to the main drive shaft and tines. Forward and Reverse tine and wheel motion and Neutral (stopping power-driven wheels and tines) are selected from this single control lever. Lever must be HELD UP for reverse motion (a safety feature). Releasing the lever STOPS REVERSE immediately.

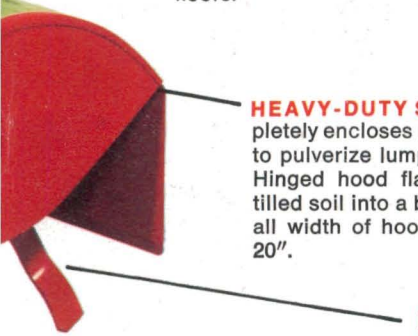


WHEEL SPEED SHIFTING LEVER — Used to shift a sliding clutch into LOW, FREE WHEELING, or HIGH GEAR.



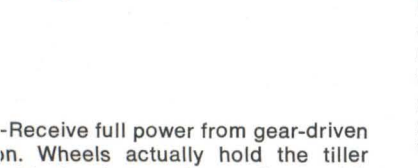
INSTANT 8-POSITION DEPTH REGULATOR

— Controls depth of tilling from shallow cultivating depth down to full depth (which could be a full 8", or more). Adjustments can be made with tiller in motion. "Travel" position clears tines a few inches above lawn, driveways, and floors.



HEAVY-DUTY STEEL HOOD

— Completely encloses revolving tines and helps to pulverize lumpy soil thrown against it. Hinged hood flap smooths the freshly-tilled soil into a beautiful seed bed. Overall width of hood is 23", tilling width is 20".



REAR-MOUNTED TINES

— Rotate constantly at 146 RPM (at 3,000 RPM throttle setting), resulting in tine rotation 13.5 times faster than wheels in low gear, 5.5 times faster in high gear, to better break-up soil and vegetation.

— Receive full power from gear-driven wheels. Wheels actually hold the tiller in motion. When the tines do an effective job of cultivating, or power composting. When the work is done, the operator just guides the tiller. Whenever the wheels are in motion, the tines must revolve too. Standard tire size is 16 1/2" overall diameter, with 4:80 x 8 bar tread tires optional, standard on 7 HP Model).

The TROY-BILT[®] Roto Tiller-Power Composters have been designed and are built and warranted by engineers and gardening experts with more rotary tiller experience than any other manufacturing group in the U.S. We're the same people who built the original famous ROTOTILLER and who first introduced rear-end rotary tillage to America in 1930. Since that time, more rear-end rotary tillers have been produced here in Troy, N.Y. than anywhere else in the world.

...The "PONY" Model

is built with the same exceptionally high standards of design and quality of materials as the larger "HORSE" Models. All of the items at left for the Troy-Bilt "HORSE" apply to the smaller "PONY," with the following individual features . . .



- **HANDLEBARS** — Vertically adjustable (4 positions). Throttle control on handlebars.
- **INSTANT DEPTH REGULATOR** — is same as for the "HORSE", but with five positions instead of eight.
- **HEAVY DUTY STEEL HOOD** — Overall width of hood is 15", tilling width is 14 1/2".
- **REAR MOUNTED TINES** — Tines rotate 9.2 times faster than wheels in low and high gear. This gives a tine speed of 150 RPM in low gear and a tine speed of 200 RPM in high gear, to provide finely cultivated soil.
- **SPEEDS** — An easy adjustment in belt position changes tiller speeds from low to high. Requires 30 seconds, no tools. A lever shifts wheels from Drive to Freewheel.
- **REVERSE** — both in high and low speeds. Just as on the "Horse" Models.
- **WHEELS** — The Pony power-driven wheels have 12" diameter tractor-tread tires for good traction.
- **5 HP BRIGGS & STRATTON ALUMINUM EASY SPIN RECOIL STARTING ENGINE** — with replaceable alloy bearings on the crankshaft and exclusive "Kool-Bore" cylinder and crankcase design for heat dissipation. Manual choke on engine.
- **ELECTRIC STARTING ENGINE** — 5 HP model with key switch — can also be started by hand.
- **SIDE MOUNTED FUEL TANK** — has a three quart capacity.

"PONY" Model SPECIFICATIONS

HORSEPOWER: 5 HP recoil and electric starting
SPEEDS: At 3000 RPM engine speed, the machine ground speed and tiller tine speeds are:

	Low	High
Ground Speed	0.6 MPH	0.8 MPH
Tiller Tine Speed	150 RPM	200 RPM

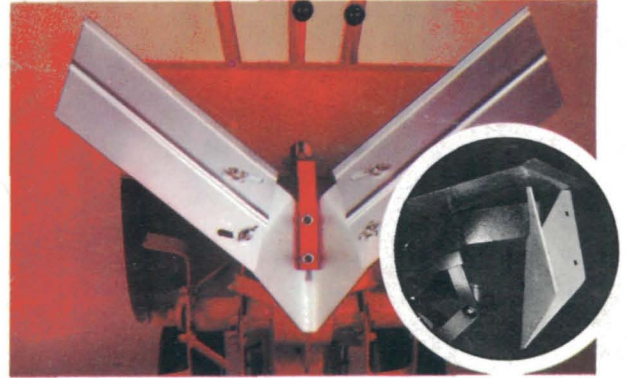
DIMENSIONS:

Height: Without Handlebars — 22 1/2"
 Handlebars in down position — 44"
 Handlebars in Highest position — 53"
Length: With Handlebars — 57"
 Without Handlebars — 43"
Width: Overall width at Hood — 15"
 Tilling Width — 14 1/2"
Weight: 5 HP — 160 lbs.
 5 HP Electric Starting — 180 lbs.
 For shipping . . . add 35 lbs. more for container weight.

Useful Attachments for Your TROY-BILT® Roto Tiller Horse and Pony Models



BOLO TINES: These are truly the all purpose Tines and are the type furnished on all new Troy-Bilts as standard equipment. For tilling in sod, weeds, cover crops, composted material as well as for seedbed preparation, tilling and cultivating. Their swept-back "bolo" design sheds excess matter and prevents most tangling of roots, grass and vines. Unlike many other tillers, each individual tine is replaceable. Bolos till 6-8 inches deep. #01 Standard equipment on Horse and Pony models.



HILLER/FURROWER: The Hiller/Furrower hills corn, potatoes, etc. and helps to kill weeds in rows and between plants as it hills. Remove Hiller wings (no tools needed) and use Furrower alone to dig trenches for irrigation, drainage or trench composting (burying organic matter and kitchen leftover for improving soil). Makes furrows to plant potatoes, corn, asparagus, etc. Furrows to 8" deep, hills to 8" high.

Order #19 . . . For Horse Hiller/Furrower complete.
Order #23 . . . For Pony Hiller/Furrower complete.

Attachments below this line for Horse Models only.



CULTIVATING TINES: These specialized tines are best for shallow cultivation, to avoid damage to the roots of plants. They will till as deep as 5 inches and disturb less soil than will Bolo Tines. They are an ideal choice wherever you wish to cultivate between rows near shallow-rooted crops, and for berries, vineyards, orchards and shrubs or tree nurseries. Many professional growers prefer these tines for cultivating. These tines do not fit in bolo holders. Order #09 . . . 12 Tines and Holders

Order #11 . . . Set of 12 Tines only



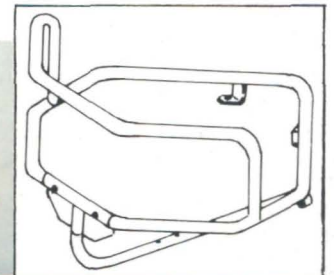
POINTED PICK TINES: Best choice of tines for especially tough, rocky, heavy clay, gumbo, or hardpan soils. Their springy "picking" action dislodges stones and breaks up hardpan. Tills up to 8 inches deep but tends to ball up in tall or thick grass, weeds and other organic matter. These tines do not fit in bolo holders.

Order #05 . . . 12 Tines and Holders
Order #07 . . . Set of 12 Tines only



BAR TREAD TIRES AND RIMS: Especially helpful when extra traction is needed in loose, light, and sandy soils. Good for use with dozer blade, too. You can have your tiller equipped with these bar tread tubeless tires and rims (which most farm tractors also have). In place of diamond tread tires which are standard equipment.

Order #14 . . . Please note: The H70-7 HP "Professional" model comes with Bar Tread tires as standard equipment.



DOZER/SNOW BLADE AND PROTECTIVE BUMPER: This versatile "homestead helper" takes most of the heavy work out of light snow plowing and earth moving. Can be used within reason for grading lawns, backfilling trenches, spreading soil or gravel. Won't handle a foot of wet snow as well as a several hundred dollar snow throwing machine but for the price, this Dozer/Snow Blade is a very worthwhile investment. With blade removed, bracket serves as a bumper to protect engine when tilling near trees, fences, etc. (see drawing above)

Order #15 . . . Dozer/Snow Blade and Bumper complete.
Order #17 . . . Bumper Attachment Bracket only.