

# THE 7HP KOHLER ENGINE

## "Professional Model" TROY-BILT



### MAY BE THE GARDENING MACHINE YOU NEED :

- If your garden is larger than average...
- If you plan to expand your garden area...
- If you have tough, problem soil conditions...
- If you till for friends, family, neighbors, or for hire...
- If you can use extra power for slopes, light grading or snow plowing...
- If you till in extra thick crops of soil-improving green manure or lots of heavy mulch...
- If you use your tiller more than 75-100 hours per year or all year 'round...
  
- And especially if you just plain appreciate the very finest in machinery!

The 7 HP Kohler engine Troy-Bilt Roto Tiller-Power Composter is called the "Professional Model" because it's the Troy-Bilt that's preferred by contractors, landscapers, nurserymen and equipment renters who need a reliable heavy-duty Tiller. One they can depend on, day in and day out, all through season after season of hard use.

If you're a serious gardener with a bigger than average garden, you'll appreciate the features that make this Troy-Bilt the one specified by professional tiller users: The industrial-rated 7 horsepower Kohler engine, heavy-duty Bar Tread tires, and our rugged Horse Model Troy-Bilt transmission.

When it comes to engines, the "performance-proven" Kohler is one of the best-respected names in the business. Quiet-running and long-lasting, the durable Kohler works with less engine strain on those tough jobs like preparing fine seedbeds from thick sod. It has that extra "lugging power" to go through problem soils such as baked clay, gumbo and real rocky ground.

And when it comes to Tillers, the "pro model" Troy-Bilt has our precision-engineered Horse transmission and is backed by our exclusive No-Time-Limit Guarantee and Half-Price Factory Rebuilding Agreement. Bolo tines and tractor-type Bar Tread tires are standard equipment. When you have the Professional Model, you have the very best!



**PLEASE SEE INSIDE FOR DETAILS...**

# The Kohler 7 Horsepower Industrial- Heavy-duty Bar Tread tires make all The 'Professional Mo

## PLEASE CHECK THE ADVANTAGES OF OWNING ONE:

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- ① 4-cycle, single cylinder, air-cooled engine with 16.9 cubic inches displacement is powerful yet highly efficient, operating well on regular or unleaded gasoline.
  - ② Cast-iron construction (cylinder, block, oil pan, flywheel) for strength, wear resistance, dependability. Engine can be re-bored several times to extend working life.
  - ③ Large bore and short stroke design for less internal friction, more usable power. Lower piston speed reduces wear.
  - ④ Heat-treated, heavy-duty ductile iron crankshaft is precision ground and built for endurance. Integral counterweights minimize vibration.
  - ⑤ Ball bearings on both ends of crankshaft reduce internal friction and withstand heavy radial loads on the power takeoff end of the crankshaft.
  - ⑥ Large 2½ pint capacity crankcase provides generous oil supply for excellent splash-type lubrication protection and engine bore cooling help.
  - ⑦ Precision-ground piston of aluminum alloy to minimize reciprocating forces, inhibit wear and vibration. Large bearing area on aluminum alloy connecting rod for long life.
  - ⑧ Deep-finned aluminum cylinder head and high-clearance baffling to disperse heat fast, keeps engine cool and clean running by letting chaff blow through rather than lodge in cooling fins.
  - ⑨ Large cast-iron flywheel with integral fins maintains engine momentum and moves ample volumes of cool air over engine.
  - ⑩ High carbon steel replaceable guide, replaceable stellite operation.
  - ⑪ Internal, oil-bathed, continuously constant for
  - ⑫ Free-float type carburetor feeds at all angles.
  - ⑬ Magneto ignition, normally mounted for all-weather starts.
  - ⑭ Breaker points connected to engine stop button.
  - ⑮ Large 1½ gallon fuel tank for convenience.
  - ⑯ Air cleaner with replaceable element admits only clean air to combustion chamber.
  - ⑰ High-heat resistant, high-dampening quality.
  - ⑱ Retractable starter compression release with less effort. Retraction.

### SPECIFICATIONS:

ENGINE: 7hp Kohler K161T	AT 3000 RPM:	LOW	HIGH	HEIGHT: 32" min. 72" max.
BORE: 2-15/16"	MACHINE GROUND SPEED:	.5 MPH	1.2 MPH	LENGTH: 51" without handlebars
STROKE: 2½"	TILLER TINE SPEED	146 RPM	146 RPM	66" with handlebars
DISPLACEMENT: 16.9 cu. in.	TINE/WHEEL RATIO:	13.5 to 1	5.5 to 1	WIDTH: 23" hood, edge to edge
ENGINE WEIGHT 70 lbs.	TOTAL WEIGHT: 286 lbs.			TILLING WIDTH: 20"

- ⑲ 4:80 x 8 tubeless tires, loose, light or sa... They are especial as the Hiller/Furr... chains.

# Rated Engine and the difference on Model' TROY-BILT®

Intake and stellite steel alloy exhaust valves with  
seals for extended valve life. Exhaust valve has re-  
placeable seat insert and valve rotator for heavy-duty

precision governor keeps engine speed rela-  
tively constant for both light and heavy tilling loads.

Carburetor is Kohler-built to be virtually troublefree,  
with long hours of operation.

Ignition system has breaker points and condenser exter-  
iorly located for easy servicing, high tension lead boot for reliable

Oil sump cover protects points from dust and moisture, has  
oil dipstick conveniently located within easy reach.

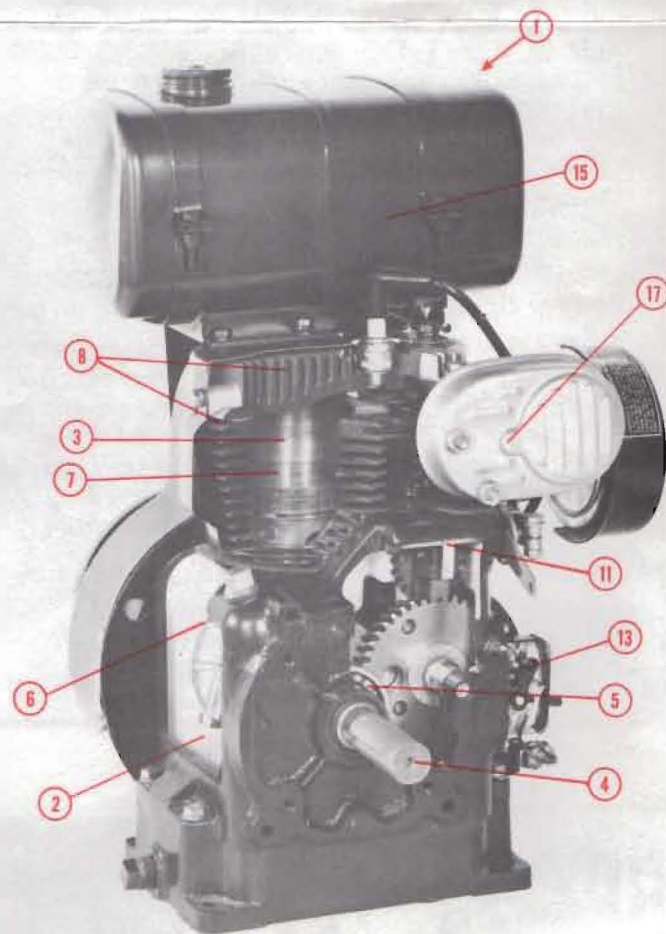
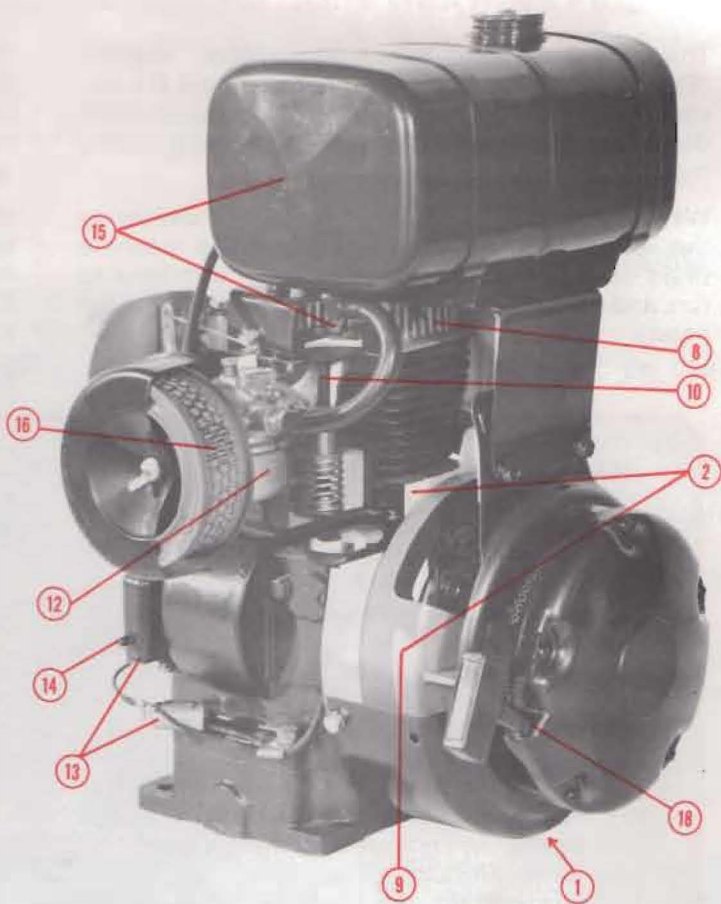
Fuel tank has handy shutoff valve for safety and

replaceable, high-efficiency pleated paper element  
filters incoming, filtered air to carburetor and combustion

Quiet aluminum-coated muffler has superior sound-  
absorbing qualities.

Engine is built to last, with Kohler-patented automatic  
choke which assures you of easy, positive starting  
choke release closes to provide full power during opera-

Bar Tread tires are farm-tractor type, helpful in  
heavy soils, or whenever extra traction is needed.  
Especially helpful for use with Troy-Bilt attachments such  
as Power, Dozer Snow Blade, and will accept Troy-Bilt



▶ PLEASE READ WHAT KOHLER OWNERS SAY

## "I WASN'T SATISFIED UNTIL I HAD THE VERY BEST!"

That's what we hear from truly satisfied Troy-Bilt "Professional Model" owners. Not just from the pro users, but from serious gardeners like yourself who demand and expect top performance from quality machinery.

We're not satisfied unless we feel we're delivering the very best value to you. A gardening machine that's easy to start, simple to operate, effortless to run, and durable enough to stand up to all your tilling needs.

That's why we build our Troy-Bilt Roto Tiller-Power Composters for serious home gardeners, and stand behind them with a No-Time-Limit Guarantee. No matter what you need a Tiller for, we make one that's right for you.

If you're someone who appreciates fine machinery, who gardens a large area or tills for others, or who needs powerful, reliable performance from your Tiller, we recommend the 7 horsepower Kohler "Pro Model" Troy-Bilt. Please let our satisfied owners tell you why in their own words.

Dear Folks at Troy...

I have nothing but praise for you and your superior products. I spent a whole season with my first 6 h.p. Troy-Bilt, handling a ¼ acre garden for my family besides doing gardens for 52 other people. They were all pleased with the top-quality Troy-Bilt job. Summing up, I have over 50 new friends, a full freezer and earned over \$657 all because I ordered what I thought was the best machine in the world.

I found out it wasn't, though, and *I wasn't satisfied until I had the very best*. Now I have it—the 7 h.p. Kohler Troy-Bilt. My wife said I swooned over it more than a new car. I would suppose so—a new car only costs money; my Troy-Bilt will *make* me money, besides we all benefit from it ourselves.

The whole family gets involved in running it. One day I left it in the station wagon and took the other car to work. My wife took it to the garden, got it out and ran it, just as I was hoping she would!

I was really skeptical about my ability to get the Troy-Bilt to pay for itself. Things never seem to work out the way the salesman says they will. But now I know if you in Troy say something, a person can believe it's all you say and more!

Donald C. Lance  
717-25th Street  
Moline, IL 61265

The Troy-Bilt Tiller is absolutely terrific! It does everything you advertise and more! The snow plow is a lifesaver. Now, I'm glad to see that you are now advertising the 7 h.p. Kohler model. *I wish I had known about it when I bought mine*. However, the absolutely best thing about the Troy-Bilt is the courteous, prompt service. It restores one's faith in buying from a factory. Thanks!

Eliot C. Higbee  
1447 Brenner Crescent  
Burlington, Ontario  
CANADA L7P2V9

I have owned a Troy-Bilt Horse for many years, and last year bought a 7 h.p. Kohler model with Bolo tines. I use the Troy-Bilt not only for conditioning the soil, but with 32" wide rows for cultivating. It works beautifully!

My father used to say that when the weeds grow it is almost too late to fight them, so my garden is weedless from early season on. My neighbors for miles around love to see my garden grow into a real showplace. Many people stop to take photos. I show them my 7 Kohler Troy-Bilt and challenge them by offering 50¢ for every weed they can find.

James B. Sniffen  
1374 Main Street  
Stratford, CT 06497

I wrote to you 6 years before I bought, and you were kind enough to keep sending me information and brochures through the years. It became evident that the 7 h.p. Kohler with Bar Tread tires was the correct choice for me. We have about 2000 sq. ft. to devote to garden, but it was a crabgrass lawn that defied a shovel. By loosening up two land areas with my Troy-Bilt it was possible to move about 8 tons of dirt from one area to the other, making both more useful for gardening—something impossible to do without the Troy-Bilt. With lawn clippings, manure and green manure, a soil-building program can be accomplished all because of the Troy-Bilt's ability to mix nutrients into the topsoil.

Aaron Beauchamp  
2828 Indiana Avenue  
South Gate, CA 90280



GARDEN WAY MANUFACTURING CO., INC.

102nd St., & 9th Ave., Troy, N. Y. 12180

Phone (518) 235-6010