

HOWARD ROTAVATORS®

NURSERY • LANDSCAPING
TRUCK FARMING



Why a HOWARD ROTAVATOR?

Because when you need power, you have more to spare. When you must have precision control, it will respond to your lightest touch. When you're rough it can take it. All the brawn you need for a professional operation is contained in one multi-purpose package.

One Howard Rotavator will do the work that usually requires a truck-load of other tools, saving time . . . labor and operating costs. Sheer power propels its blades at just the right speed and depth . . . tilling, cultivating, mulching and mixing everything in one single pass.

Whichever Rotavator fits your needs, you can be certain that you will be as proud and pleased as we are about Rotavation.

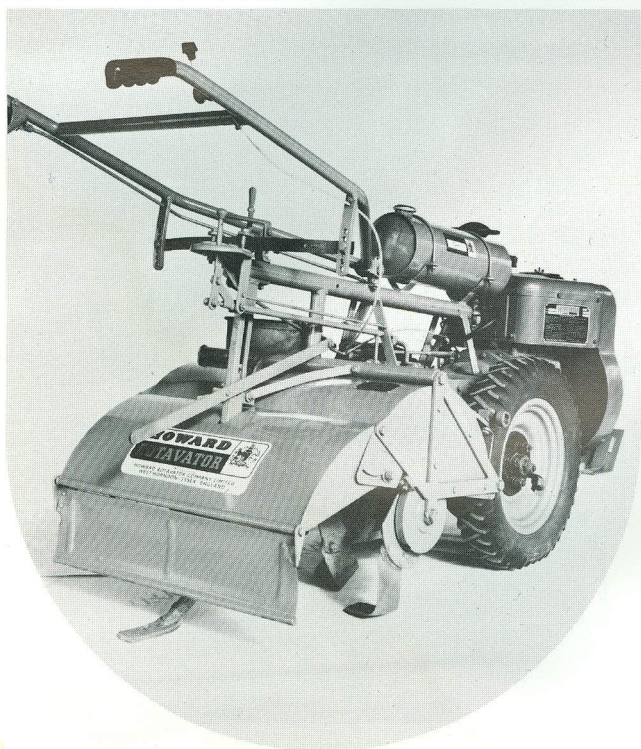


350

A light compact and powerful Rotavator. Light-touch control, rugged and self-propelled. Engineered for rough work and maximum efficiency, available in 16" and 23" widths . . . with the power and versatility of units twice its size.

SPECIFICATIONS

ENGINE	Kohler K141T, 4 cycle, side valve, air cooled gas engine. Max. B.H.P. 6.2 H.P. @ 3,600 r.p.m. Replaceable dry type air cleaner. "Easy-Spin" recoil starter, standard equipment.
CLUTCH	Cone-type
TRANSMISSION	V-belt pulley to gearbox. Bullwheel and pinion gears to landwheels and $\frac{5}{8}$ " pitch roller chain to rotor.
TRAVEL SPEEDS	3600 r.p.m.: Low Range .75 & 2.5 m.p.h. Hi Range 1.65 & 5.0 m.p.h. Reverse 1.3 and 2.6 m.p.h.
CONTROLS	1. Throttle Control by lever and cable. 2. Clutch Control by cable and lever. 3. Gear Lever by central rod, including spring-out safety reverse. 4. Rotor Selector by hand lever. 5. Depth Control by adjustable hand lever.
HANDLEBARS	Adjustable for height. Swinging handlebars.
ROTAVATOR — WIDTHS	16 in. or 23 in. cutting width. Rotor Diameter 12 in. The 23 inch extensions and side shields are supplied as optional extras.
WHEELS	Wheels 400 x 8 tractor tread tires. Tire Pressure 20 lb/sq. in.
DIMENSIONS	Length 61 in. Minimum height (to top of handlebars — blades on ground) 38 in. Overall width at rotor level 17½ in.
WEIGHT	16" Model — 324 lbs. 23" Model — 345 lbs.

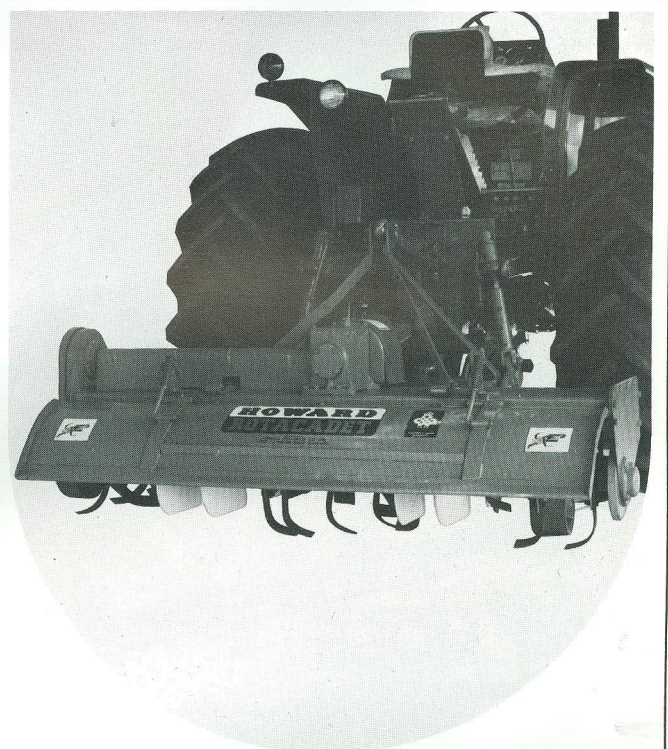


GEM

Self-propelled and sturdy. In 20", 24" and 30" widths . . . Especially ideal for inter-row cultivation in limited areas. Easily transportable to working sites. Safe, easily controlled; made for truck farming, custom work or rental yards.

SPECIFICATIONS

ENGINE	Wisconsin AENL developing 9.2 hp Wisconsin TJD developing 15.2 hp
CLUTCH	Heavy duty dry plate.
TRANSMISSION	Three speed forward and safety reverse. Machine cut gears hardened and running in oil. All shafts mounted on ball bearings. Differential for easy turning and automatically locked when rotor is engaged.
ROTOR WIDTHS	Widths 20" — 24" and 30". 30" model is fitted with twin wheels and depth control wheel as standard equipment.
TILLAGE DEPTH	Adjustable down to 9 inches.
FORWARD SPEEDS	1st Gear — .87 mph 2nd Gear — 1.3 mph 3rd Gear — 2.82 mph Reverse — 1.69 mph
OVERALL DIMENSIONS	Length 6' 8" Width with 20" Rotor 2' 1" Width with 24" Rotor 2' 5" Width with 30" Rotor 2' 11"
WEIGHT	20" Model c/w AENL 709 lbs. 20" Model c/w TJD 830 lbs. 24" Model c/w TJD 853 lbs. 30" Model c/w TJD 1007 lbs.
ATTACHMENTS	(Optional at additional cost) Furrowing Attachment. Pickline Rotor.

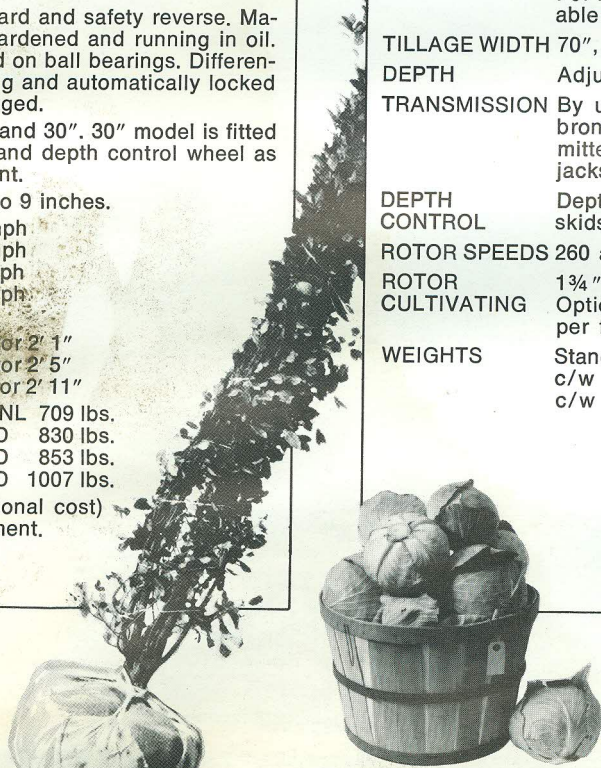


ROTACADET

For tractors up to 45 B.H.P. An all-around machine for secondary tillage and seedbed preparation. Can be equipped for cultivating, chemical incorporation and general tillage work . . .

SPECIFICATIONS

HORSEPOWER RANGE	Designed for tractors up to 45 b.h.p. at 540 r.p.m. p.t.o.
LINKAGE	Suitable for tractors equipped with Category I or II 3 point linkage, I.H. Fast Hitch Kit available extra.
TILLAGE WIDTH	70", center mounted.
DEPTH	Adjustable to 6" maximum.
TRANSMISSION	By universal drive shaft and multiple steel/bronze safety clutch to gearbox. Power transmitted from gearbox to rotor by heavy duty jackshaft and 1" pitch roller chain.
DEPTH CONTROL	Depth control by adjustable depth control skids.
ROTOR SPEEDS	260 and 320 — changed in minutes.
ROTOR CULTIVATING	1 3/4" solid. 40 blades — 4 blades per flange. Optional extra. 1 3/4" hex. 40 blades — 4 blades per flange. Adjustable Sliding Flanges.
WEIGHTS	Standard Model 712 lbs. c/w Rowcrop rotor 748 lbs. c/w Rotor & shields 850 lbs.





MODEL "E"

The most popular Rotavator model sold. Available in 50", 60", 70" and 80" widths, for tractors from 35 to 60 B.H.P. Centrally mounted for general use or offset for close work around trees and shrubs. Very popular with truck farmers and vegetable growers for seedbed preparation and inter-row cultivation.

SPECIFICATIONS

HORSEPOWER RANGE: Designed for tractors of 35-60 b.h.p. with 540 r.p.m. or 1000 r.p.m. p.t.o.

LINKAGE: Suitable for tractors equipped with Category I on 50" machines & Category II on 60, 70, 80" models. 3 point linkage. I.H. Fast Hitch Kit available extra.

WIDTH OF TILLAGE: 50", 60", 70", 80", center mounted or offset to right.

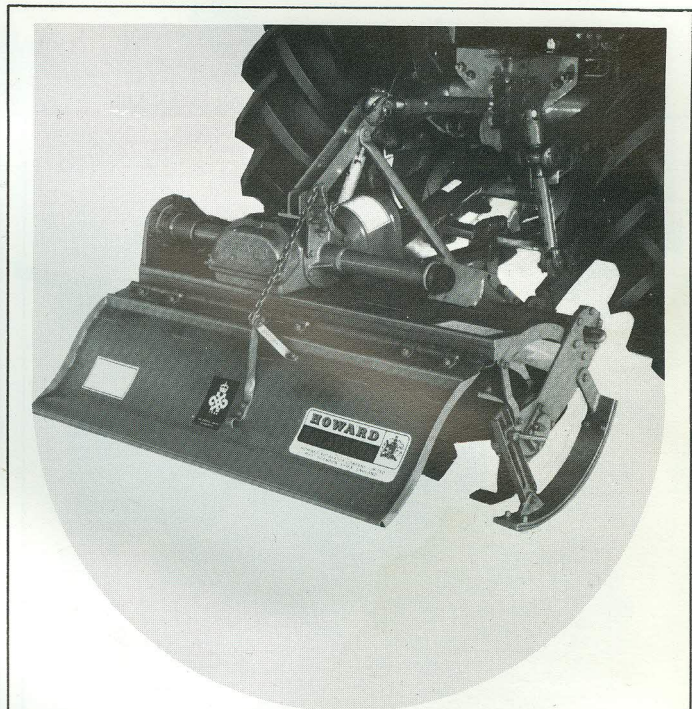
DEPTH OF CUT: Adjustable to 8" maximum.

TRANSMISSION: By universal drive shaft and clutch to Selectatilt gearbox. Power transmitted from gear box to rotor by heavy duty jackshaft and high capacity fatigue resistant 1½" pitch roller chain. Multiple steel/bronze safety clutch to absorb shock loads and acts as a safety feature for the complete power train.

ROTOR SPEEDS: 540 r.p.m. p.t.o. — 125, 155, 175, 215 r.p.m. Optional extra 109 and 245 r.p.m. 1000 r.p.m. p.t.o. — 155, 180 r.p.m. Optional extra 200 r.p.m.

DEPTH CONTROL: By screw adjustable depth control wheel

WEIGHTS: 50" 1072 lbs., 60" 1155 lbs., 70" 1238 lbs., 80" 1652 lbs.



"P" SERIES

The widest range of lightweight models for landscaping, orchards and special applications. For tractors up to 40 B.H.P. Available in widths from 40" to 70". Centrally mounted or offset. Ideal for tearing up old lawns for reseeding, preparing flower seedbeds, cultivation between berry bushes, shrubs and vegetables.

SPECIFICATIONS

HORSEPOWER RANGE: Designed for tractors up to 40 b.h.p. at 540 r.p.m. p.t.o.

LINKAGE: Standard machine has 3 pt. linkage.

WIDTH OF TILLAGE: Standard Range 40", 50", 60", 70", offset or center mount depending on position of P.T.O. and use of mounting brackets. PG70 & PUT70 are special extra offset machines.

DEPTH OF CUT: Adjustable to 7" maximum.

TRANSMISSION: By universal drive shaft and multiple steel/bronze safety clutch to Selectatilt gearbox. Power Transmitted from gearbox to rotor by heavy duty jackshaft and train of gears.

ROTOR SPEEDS: 140, 170, 200, 240 r.p.m. available as standard equipment. Optional extra 155 and 220 r.p.m.

DEPTH CONTROL: By adjustable depth control wheel.

WEIGHTS: 40" machine	728 lbs.
50" machine	776 lbs.
60" machine	804 lbs.
70" machine	862 lbs.
PG70 machine	850 lbs.
PUT70 machine	1121 lbs.



HOWARD ROTAVATOR CO., INC.,

HARVARD, ILLINOIS 60033

**HOWARD
ROTAVATOR**

MAKES LIGHT OF HEAVY WORK