

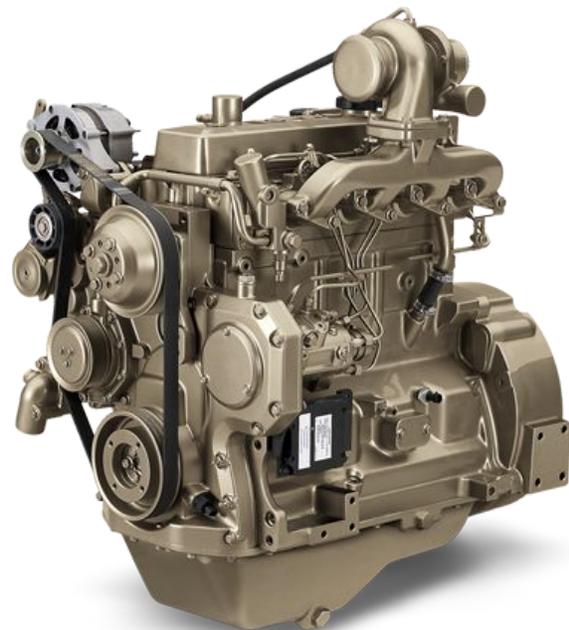
RUMBLER 4140HE

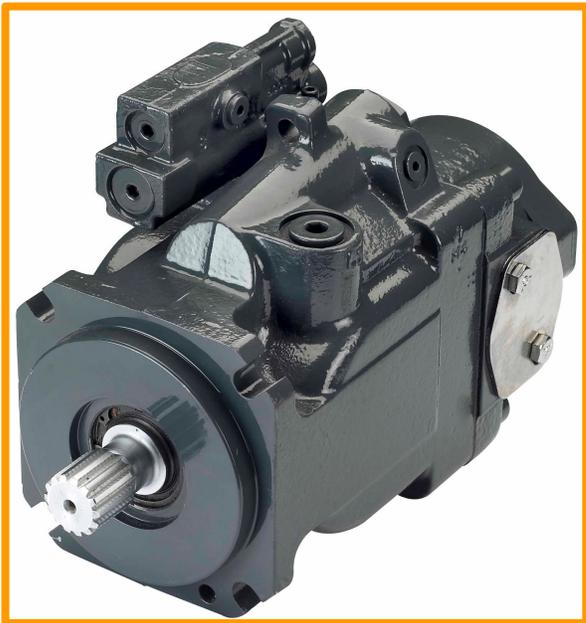


The new RUMBLER 4140 HE is the latest in a long line of rumble strip milling machines from Dickson Industries. With over 20 years of experience building rumble strip milling equipment and the largest selection of any company in the world, you can rest assured that the new RUMBLER 4140 HC will exceed your expectations.

The heart of the RUMBLER 4140 HE is the John Deere 4.5 liter, turbocharged – charge air cooled, four cylinder diesel engine.

- 4.5 liter (275 cubic inch)
- 140 horse power at 2400 rpm
- 387 lb.-ft. torque at 1500 rpm
- 7.75 gallon of fuel per hour (full load)
- 12 volt electrical system
- EPA Tier 3 complaint (Tier 4 Final beginning 2018)
- Donaldson over sized air cleaner with safety filter
- Donaldson self-cleaning pre-cleaner that removes most dust before it enters main air cleaner
- Donaldson muffler with zinc plated rain cap
- Computerized engine monitoring
- High temperature engine shutdown
- Low oil engine shutdown
- Worldwide service by any John Deere dealer





The John Deere diesel engine drives a massive American made axial piston pump.

- 100 cc displacement per revolution
- 5800 psi maximum working pressure
- 204 horse power output capable *
- 298 lb.-ft. Torque output capable *
- Heavy duty tapered roller bearings
- Single piece rigid housing reduces leak paths
- Low noise design
- Worldwide network of authorized service centers
- High efficiency means more power where you need it
- 40 years of designing state-of-the-art mobile hydraulic for off-highway machinery
- **only with 200 or more horse power diesel engine*

The axial piston motor drives a Swedish built bent-axis motor.

- 64 cc displacement per revolution
- 5800 psi maximum working pressure
- 5900 rpm maximum speed
- Double tapered roller bearings
- 231 horse power maximum output *
- High efficiency
- Smooth operation over entire speed range
- Global network of service centers
- Spherical pistons

** only with 200 or more horse power diesel engine*



The bent-axis motor drives an American made planetary gearbox that multiplies the torque over seven times.

- 7.07:1 ratio reduction
- Single reduction
- 3500 rpm max input speed
- 5000 lb.-ft. torque rating
- High capacity tapered roller bearing
- Induction hardened spindles
- Optimized gear geometry
- 98% efficiency
- More 50 years of power transfer experience
- Service available nationwide
- External oil reservoir





Power from the planetary gearbox is transferred to the mill drum via a state-of-the-art carbon fiber cog belt. This new technology results in a belt that has amazing power ratings in a narrow profile.

- The drum is constructed from 1" thick steel tubing precision machined to the proper diameter.
- Drum is supported by massive 3 15/16" spherical roller bearings at each end.
- Computer designed holder pattern ensures 100% coverage.

These proprietary bit holders are designed in-house to our own specifications. They feature a replaceable insert that greatly increases the life of the holder.

- The bit holders are heat treated.
 - Right hand and left hand offset designed into each bit holder to promote bit rotation.*
 - Conical bits are captured by a locking jam nut on the back side. Allowing higher rotating speeds.
 - Drums may have up to 72 bits depending on width.
 - Standard milling widths: 4", 8", 12", 16", and special double 6" for center line.
 - Premium grade carbide used in tip for longer operating life
- ** bit rotation is a necessity for even wear with carbide*



The RUMBLE CONTROLLER mounted next to the operator in the cab of the tow vehicle is used for milling rumble skips; XX feet of rumble strips followed by XX feet of skip. The pattern is easily adjustable by the operator.

Many states have adopted rumble skips for edge and center line, but patterns vary by state. Always check with local DOT before any milling operations to confirm pattern.

- Reset-able feet counters
- Feet per minute readout
- Continuous or skips at the flip of a switch
- Rugged cast aluminum enclosure
- Solid-state industrial PLC with backlit LCD readout



The engine control module houses the John Deere PV-101 engine monitor and display. The PV-101 not only displays current engine parameters, but also stores error codes and engine fault codes which can be read by any John Deere service technician. Also housed in the engine control module are the basic RUMBLER controls.

- Rugged waterproof cast aluminum enclosure
- Sealed switches designed for off-road equipment
- Standard ignition switch uses locally available keys
- Simple, straight forward layout

All of these features combined, add up to a rumble strip milling machine that will provide mile after mile of perfectly straight rumble strips. It's simple design and rugged construction ensures that your operator will spend more time milling and less time on repair and maintenance.

With over 20 years of experience building rumble strip milling machines, the RUMBLER has proven over and over again it is the superior design. Contractors nation wide agree, for the quality of the cut, the production rates, and durability, there is only one choice; the RUMBLER by Dickson Industries.

We offer rumble strip milling machines in all sizes; from simple skid steer mounted units and rumble attachments for our Road Pro line of tractors, to our top-of-the-line 200 horse power tow behind RUMBLER 6200 HE. No one has more rumble strip experience.

We are centrally located for easy access to training and local demos of equipment. And because of our central location, parts are usually only a day or two away via UPS when needed.



Over the years, companies building rumble strip milling machines have come and gone. The Dickson Industries RUMBLER is the only one still around. You want the best. You want the experience. You want the RUMBLER. Don't settle for less.

Contact us today
405.598.6547

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