



SPECIFICATIONS

Cherrington Model 3000 Beach Screener

The Cherrington Model 3000 Beach Cleaner is a three wheel hydrostatic drive, zero turn self-propelled sand screener with a slanted oscillating sifting screen. It will lift the sand and consistently separate out beach debris, while putting the cleaned, screened, and sanitized sand back onto the beach. Certified R.O.P.S. rollover protection is standard.

Cleaning system: The machine has a rigid slanted, oscillating screen which effectively separates a complete range of seaweed, trash, cigarette filters, rock and debris from sand or soil. The leading screen edge is capable of being lowered into the sand from 0 to 4 inches (up to 102 mm) deep, fully controlled hydraulically by the operator while the machine is in motion. Loading paddles carry the debris into the onboard hopper and the sand is sifted through the screens and back to the surface.

Screens: The rigid slanted screen is made of oil tempered hardened woven wire, is interchangeable and available in various hole sizes. The screen is mounted on a hot dip galvanized screen frame, and attached via one plated Grade 5 hex bolt. The following quick change screens are optional and may be specified in addition to the standard screens:

- 3/8" (9mm) square holes, woven wire
- 1/2" (13mm) square holes, woven wire
- 3/4" (19mm) square holes, woven wire
- 1" (25mm) square holes, woven wire

Leading Edge: The leading edge is a separate piece fabricated of high carbon steel in a slotted configuration. The leading edge and screens may be activated to move in an elliptical oscillating pattern in order to facilitate separation. There is an open front design in order to easily retrieve seaweed and larger objects (there is no moldboard, which prevents adequate clearance to retrieve seaweed and large objects.).

Loading Flight Paddles: There are 14 loading flight paddles which are bolted to two heavy duty steep chains. They are constructed of AR220 abrasion resistant steel and are hot dip galvanized.

Groomer: A 60" (1,524 mm) groomer bar grooms and covers the wheel tracks while leaving an aerated and groomed finish. It may be operated automatically with the leading edge or independently, to allow grooming without cleaning.

Engine: The machine is furnished with a liquid cooled diesel engine of not more than 3 cylinders producing approximately 24 horsepower. The engine is of adequate size to propel the machine with all power accessories in operation. The fuel system includes a water separator mounted at the engine to prevent condensed water in fuel lines from entering the injection systems.

Hopper: The rollover dump hopper has a capacity of 9 cubic feet. It is hydraulically activated by the operator to dump anywhere from ground height to five feet high and has an adequate reach to empty into dumpsters and trucks.

Operator Controls: All functions of the machine are controlled by the operator. The operator is provided with a shock absorbing high quality ergonomic seat located for clear visibility of the work area, oscillating screen, and forward motion of the machine. All functions are easily controlled by the operator from a seated position. There is a safety, operator presence, switch built into the operator's seat to disable the engine unless the operator is seated.

Drive System: The closed loop hydrostatic drive transmission transmits variable speed forward and reverse power to all wheels. A separate fixed displacement pump provides power to the hopper hoist and dump, depth control cylinders, screen oscillator motor, and conveyor motor for the loading flights. The oscillator and conveyor motors can be stopped or reversed as needed.

Paint: All exterior metal surfaces are grit blasted, primed and coated with chemical, corrosion, and abrasion resistant primer, with a baked on powder paint finish. Standard color is Industrial yellow. Screen frame components, flights and groomer components are hot dip galvanized.

Wheels and Tires: The machine has one front and two rear wheels. Power steering is on the front wheel for best maneuverability. All tires are of a minimum size 29" x 12.50" high flotation. Reverse mounted flat profile barred tires provide flotation, stability, and traction in sand. The rear tires are fluid filled for added traction and/or lowered center of gravity. Tire air pressure can be reduced for greater traction and flotation.

Dimensions

Length: 111" (2,819 mm)

Width: 60" (1,524 mm)

Height: 84" (2,134 mm)

Weight: 3400 pounds (1,542 kg)

Cleaning width: 36" (914 mm)

Grooming width: 60" (1,524 mm)

Hopper capacity: 9 cu foot (.3 cu meters)

Dump height: 60" (1,524 mm)

Ground clearance: 5" (127 mm)

Cleaning depth: 0-4" in varying applications (up to 102 mm)

Operating Speed: Up to 5 mph (up to 8 km/hr)

Safety Features: The machine has the following safety features included on the machine in accordance with current standard.

1. Safety guards and shielding
2. Neutral start switch
3. Safety beacon or, flashing beacon
4. Automatics ("fail safe") parking brake-automatically engages when operator leaves the seat or engine is shut off

5. Emergency stop switch built into the seat
6. Certified R.O.P.S

Other Features:

1. Engine hour meter/tachometer
2. Fuel gauge or Fuel lever indicator
3. Engine temperature gauge
4. Engine oil pressure gauge
5. Voltmeter gauge
6. Hydraulic oil level and temperature gauge
7. Locking cap on fuel tank and hydraulic fluid tank
8. Towing lockout which enables the machine to be towed short distances in the event of engine failure
9. Switches to prevent hoist and hopper damage

Manufacturer's Identification: A durable identification plate stating the manufacturer's name, location, model, and other suitable information to identify the Beach Cleaner for parts or repair is permanently attached to the frame.

Materials: All materials, parts and assemblies are new and are of current manufacture. Workmanship, fabrication and assembly are in conformance with standard manufacturing and engineering practices. Bolts are of sufficient length to assure a full thread nut. All bolts are fitted with self-locking nuts or with lock washers. All welds and welding practices conform to the latest American Welding Society Standards.

Warranty: 12 month warranty against manufacturing defects on machine, including engine, pumps, motors, and other components.

Disclaimer: The Company reserves the right to make any changes deemed necessary to the above specifications without notice, and is not liable for unintentional errors in the specifications.

