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## **SPECIFICATION**

### **BeachTech Model 440XL Beach Screener**

**The BeachTech Model 440XL beach cleaner is a tractor pulled sand screener which lifts beach sand and debris onto a one piece oscillating, non-rotating sifting screen, consistently retaining all items larger than the selected screen hole size and quickly returning the screened-clean sand to the beach.**

**Material Screening System:** The beach cleaner will effectively separate a broad range of rocks roots and seaweed and cigarette filters from sand or soil through a system of reciprocating interchangeable screens and loading paddles. The beach cleaner's leading edge may be preset to a depth from zero to 4 inches in loose dry sand or soil. As the cutting edge is lowered into the surface to the desired depth, the loading paddles which are bolted to two heavy duty steel chains are used to move the sand/soil and unwanted debris onto the slanted screens and into the hopper, while the sand or soil sifts through to the surface. The screens are activated to move in a reciprocating pattern in order to facilitate separation of sand and debris.

**Screens:** The one piece interchangeable screens are made of hardened woven wire and are available in various hole sizes. They are mounted on screen frames, and attached via four special three inch isolator mounts. The cleaning width is 48 inches (1,219 mm). 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

**Loading Flight Paddles:** There are 16 loading flight paddles which carry the sand and debris across the screen.

**Groomer:** There will be a 64" (1,626 mm) wide polyurethane grooming attachment which will remove wheel tracks while leaving an aerated and groomed finish to the beach. It grooms within 2.5 inches of objects.

**Operator Controls:** A 12 volt electric-over-hydraulic control console provides conveyor, hopper dump, and groomer controls which are actuated from the control box mounted near the tractor operator.

**Paint:** All exterior metal surfaces are grit blasted, primed with chemical, corrosion and abrasion resist primer with a baked on powder coat paint finish. Standard color is Industrial yellow.

#### **Tires:**

Front - 20.5x8x10

Rear - 24x18x12 Ultra Track

**Tractor Requirement:** 30-45 HP (22-34 kW) four wheel drive tractor with 540 PTO for PTO mounted hydraulic pump. A connection to the battery for the electric over hydraulic directional switch box for depth and dumping functions. A three point hitch, category 1, is needed for the 26" crossbar that is used as a drawbar and lift bar for turning. Sand surfaces can vary and all tow vehicles must have sufficient traction and flotation for the particular sand or application in which they operate.

**Dimensions**

Length: 130" (3,302 mm)

Width: 69" (1753 mm)

Height: 67" (1,702 mm)

Weight: 2240 lbs (1,016 kg)

Cleaning width: 48" (1,219 mm)

Grooming width: 64" (1,626 mm)

Hopper capacity: .5 cubic yard (.4 cu meters)

Dump height: 60" (1,524 mm)

Cleaning depth: Up to 4" (102 mm)

Cleaning speed: Up to 4 mph (Up to 6 km/h)

**Safety Features:** The machine has safety guards and shielding in accordance with current safety standards.

**Material:** All materials, parts and assemblies are new and are of current manufacture. Workmanship, fabrication and assembly are in accordance with standard manufacturing and engineering practices. All hardware is yellow-zinc chromate plated for corrosion resistance and is of sufficient length to assure a full thread nut. All bolts are fitted with self-locking nuts or lock washers. All welds and welding practices conform to the latest American Welding Society standards

**Warranty:** There will be a twelve month manufacturer's warranty against all manufacturing defects