

SCAT
ENGINEERING®

SCAT 481

Tow-Type Compost and Bioremediation Turner



The unique, SCAT Elevating Face combined with its compact size makes the 481 the economical choice.

SCAT handles material with ease.

In contrast to methods which tend to compress or compact materials, SCAT's unique elevating face gently turns the windrowed material with optimal aeration and mixing. Superior aeration and mixing provided by the SCAT 481 result in better inner thermal currents, shorter bio reduction time, better odor control, higher quality compost, and efficient use of available space.

- Versatile and economical
- Able to service multiple sites
- Minimizes compaction/compression of windrow
- Hydrostatically-driven face helps attain maximum production with ease.

The SCAT 481 is easy to use and has economical ownership and operating costs per cubic yard/meter. Low fuel consumption; up to 3 times more fuel efficient than similar-size competition. SCAT Turners help provide optimal composting and bio-remediation environments.

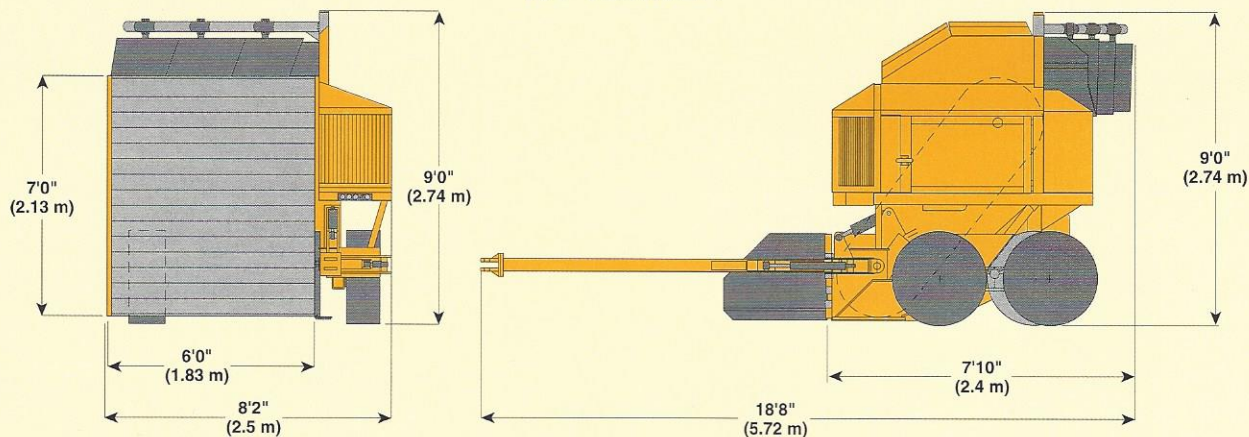
- Optimal Aeration
- Superior Mixing
- Complete Inversion
- Accelerated Bio Reduction
- Higher Quality Compost
- Thorough Bioremediation
- Easily Transportable
- Economical

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SPECIFICATIONS

Model 481 Tow-Type Compost and Bioremediation Turner

481 TURNER



Model	Capacity* up to	Windrow Width & Height	Weight	Engine
481	2000 yd ³ /hour 1520 m ³ /hour		3.7 tons (3.3 tonnes)	Diesel, water cooled 40 HP @ 2800 rpm

*Capacities depend on site, material, and operating techniques. Capacities and windrow height decrease by 40% when bioremediating soil.

Elevating Face: The face is an endless web type with shredding teeth – allowing the SCAT to "chew" its way through windrows. Elevator flights are structural steel with heat-treated cup teeth. Idler wheels with sealed bearings carry face flights. Windrow inversion and shape is accomplished by 3 adjustable vanes.

Face Drive: Hydraulic closed-loop system, with motor directly coupled to headshaft. Face is reversible.

Frame: The frame is constructed of tubular, plate and structural steel.

Engine: Water cooled, 40 HP continuous @ 2800 RPM diesel with 2 gallon/hour consumption. Cold weather starting aid is standard.

Electrical: 12 volt system, 35 Amp alternator. All connections are under the engine cover or coated with weather-resistant material.

Overload Protection: Shut-down switch/gauges protect the engine against damage due to low oil pressure and high water temperature.

Fluid Systems: 20 gallon (76 Liter) fuel tank with mechanical gauge; 40 gallon (151 Liter) hydraulic tank; oil filter with magnet; suction strainer; and oil cooler.

Controls: All controls except starter switch are remote and designed to be activated by the operator from his seat on the towing unit. Electrical quick-disconnect of operator's remote control box.

Operating Height Adjustment: The elevating face ground clearance is adjustable from 0" to 10" (0 to 25.4 cm) above grade for ease of operation and transport.

Wheels: Model 481 has 3 wheels: left side tires are two 11Lx15 rib tread; right side tire is a bar tread 12.5x15.

Recommendations: • Use on improved sites. • Tow on site with 35-65 HP rubber-tired tractor equipped with creeper transmission capable of speeds down to 20 feet per minute (6 m/min.). • Not towable on public roads. • Operate and maintain per instructions.

Specifications and design are subject to change without notice and without liability therefore.

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