

# BACKHUS A36 WINDROW TURNER



Innovation. Efficiency. Reliability. BACKHUS has continually set the global standard for windrow turners. When a pull-behind attachment or loader bucket are no longer getting the job done, your next step does not have to be to purchase a big, expensive turner! Get the The A36 is the world's best entry-level machine for professional composters. Ditch the shovel and upgrade to a BACKHUS.

## FEATURES:

- Comfortable panoramic cabin with 360° view
- No moving parts between frame and undercarriage
- Road legal, no permits required
- CAN Bus controls with 4.3" high-resolution display and complete diagnostic system

As the world's largest manufacturer of windrow turners, BACKHUS knows all of the ins and outs of building the best machines. The high efficiency operation of the A36 requires less horsepower and results in hourly fuel savings. Controlling the machine is simple and intuitive for operators. A world leader in both engineering and performance, the A36 is just another reason why when it comes to turners, BACKHUS is best!

**OPTIMIZE YOUR PAD:** BACKHUS turners are designed to allow "toe-to-toe" windrow placement, getting up to 60% more material on the pad than with traditional turners and much less turn around space needed at the end of the row.

**ARMORED DRUM TOOLS:** The A36's drum tools are coated with an abrasion resistant material for maximum tool life.

**A MECHANIC'S FAVORITE:** Wide access to the interior of the machine and a common-sense design saves time and money

**ERGONOMIC SINGLE JOYSTICK CONTROL:** Other turners require both hands to operate and require constant height adjustments. The A36 is conveniently driven by a single joystick.



WITH THE EARTH IN MIND

## BACKHUS A36

**CHASSIS:** Box construction type, portal frame

**DRIVE:** Diesel Engine

**TYPE:** VOLVO TAD 570 VE

**POWER:** 143 HP

**FUEL TANK:** 53 gallons

**ELECTRICAL SYSTEM:** (2) 12 Volt Batteries, each 145 Ah. Generator: 24 volt, 110 amp

### DRUM:

- **Diameter:** 37.5"
- **Speed:** 0-350 RPM
- **Raise / Lower** from 0 - 8"
- Reversible under load

### WINDROWS:

- **Width up to:** 12'
- **Height up to:** 6'
- **Turning Capacity:** up to 1,600 yd<sup>3</sup>/hour

**TOTAL WEIGHT:** 3.5 tons (approximately)

### WORKING DIMENSIONS:

- **Width:** 13'
- **Height:** 11'-6"
- **Depth:** 13'-6"

### TRANSPORT DIMENSIONS:

- **Width:** 18'-9"
- **Height:** 8'-4"
- **Depth:** 10'-5"

# BACKHUS A36 WINDROW TURNER

**BACKHUS DRUM:** Maximum homogenization and oxygenation with the large diameter, high-torque, slow-speed drum that gets to the bottom of the windrow, every time. Featuring:

- Start, stop, reverse under full load
- Adjustable 0-350 RPM depending on material density, remarkably reducing wear and tear to the machine
- Raises and lowers independently of the turner frame
- Drum tools easily replaceable in under 1 hour using simple hand tools
- Placement is at the rear of the turner, creating an optimal throwing angle. The additional space above the drum gives maximum throw, ensuring oxygenated, fluffy windrows.

**HYDRAULIC TAILGATE:** BACKHUS are the only turners that come standard with a hydraulic tailgate. This operator controlled feature controls the material throwing and can allow the shaping of windrows, or help with mixing.

**TRACK CLEARERS / PLOWS:** Operating independently of frame and drum position, the clearers are very easily controlled to give you the ability for “toe-to-toe” windrow placement.

## **VOLVO TAD 570 VE DIESEL ENGINE:**

- 143 hp
- 5.1 liter cubic capacity
- Certified EPA Tier 4 Final
- SCR assures no regeneration required

## **HYDRAULIC SYSTEM:**

- Reflux Suction Filtration with electronic level and filtration status monitoring



## **Engine / Hydraulic Coolers:**

- Air suction from behind the cabin
- Fresh, clean air flows from inside to outside
- Minimal dust contamination
- Automatic reversing fans on all coolers



## **CONTROLS TECHNOLOGY**

- 4.3" High-resolution LED display
- Real time monitoring of all equipment function
- Interactive troubleshooting and all manuals and drawings.
- Navigation key
- Full monitoring of CAN Bus system and alarms
- LED background illumination
- Stereo radio with AM / FM, CD player
- Bluetooth mobile phone connection
- Cabin Ventilation / Filtration with 2 pocket-type filters guarantee separation efficiency of 96%
- Climate control including air conditioning and electric heater
- Rotating safety beacon for safety





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## CAN-BUS OPERATING SYSTEM

- Simple turner operation
- Continuous operator feedback
- Self-diagnostic system
- Telematics - compatible
- Greater operating efficiency

## BACKHUS TRACK CONTROL (BTC)

Electronic drive control which controls the turner's speed depending on the load of the drum and the engine. During BTC operation, the joystick is used to steer only.

## CABIN VENTILATION / FILTRATION

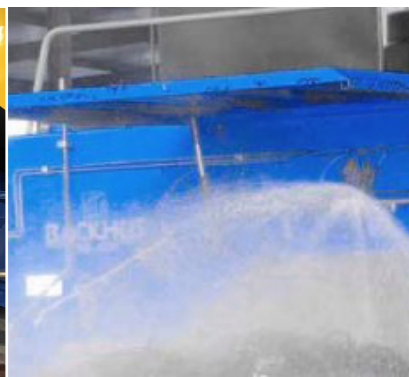
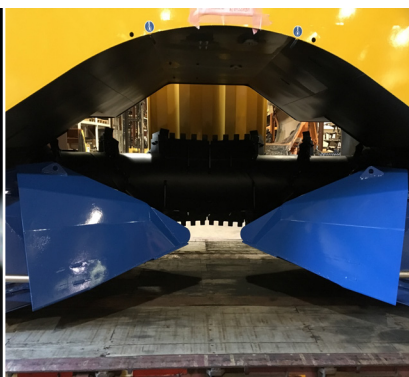
Standard machine is equipped with a robust cabin ventilation system (G4 [EU 4] according to EN 779 standard [DIN 24185]). Two pocket-type filters (525 x 280 x 100) guarantee a separation efficiency of 96 %.

## SAFETY AND VISIBILITY

Bright halogen lamps installed in the front and at the rear of the machine ensure good working conditions even during poor visibility. The lamps are mounted in shock proof mountings. There are (4) halogen lights mounted in the cabin roof, (2) halogen headlights in front and (2) halogen lights in the rear

## OPTIONS:

- Windrow Irrigation
- Hose Reel
- Cameras
- Concentration Injection Unit
- Fleece winder







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