BOSSTEK

The DustBoss Atom® is a compact, fan-less innovation in dust control designed for mobility and affordability without any performance compromise. The unit integrates cutting-edge technologies for system control over long distances.

DUSTBOSS ATOM®

dust BOSS

STANDARD FEATURES



INNOVATIVE UNIT

THE DUSTBOSS ATOM® BRINGS MOBILITY IN AN INNOVATIVE DESIGN UTILIZING THE ON-BOARD DIESEL ENGINE FOR COMPLETE SELF-POWER. THE SYSTEM INTEGRATES WITH REMOTE CONTROL TECHNOLOGY AND BOSSTEK® TELEMATICS FOR LONG DISTANCE OPERATION OF THE ATOM AND EASE OF USE.

THE DUSTBOSS ATOM® USES ATOMIZED MIST TO TRAP AIRBORNE PARTICLES AND BRING THEM TO THE GROUND. THE DUSTBOSS ATOM WIELDS A CENTRAL, OSCILLATING NOZZLE TO DISPERSE MIST ACROSS A LARGE, DUST-RIDDEN AREA AND CONTROL THE UNDESIRABLE PARTICLES.



DUSTBOSS ATOM®

SPECIFICATIONS

GENERAL SPECIFICATIONS

- Throw: 100 feet (30 meters).
- Coverage: 6,108 square feet (567 square meters).
- Adjustable arm throw angle: 0 - 65°.
- Nozzle oscillation range: User-definable 100° (50° each way from center).
- Oscillation speed: Maximum speed of 70°.
- D-pad controls.

WATER REQUIREMENTS

- Minimum inlet water pressure: 40 PSI (0.34 BAR).
- Recommended water pressure for optimum performance: 45 - 55 PSI (3.10 - 3.79 BAR).
- Maximum inlet pressure: 65 PSI (4.48 BAR).
- Minimum water flow: 10 GPM (37.85 LPM).
- Connection: 1" male cam-and-groove fitting.
- Iso mounted to frame for less vibration.
- 200 micron filter.

POWER SPECIFICATIONS

- Air-cooled diesel engine.
  - 9.1 HP.
  - Oil capacity: 1.7 US quarts.
  - Emissions: Tier IV final.
  - 49 states: California C.A.R.B. compliance.
- Runtime: Approximately 3 hours.
  - 1.78 liter/hour (5 liter tank).
  - .33 gallon/hour (1.32 gallon tank).

NOISE

- Between 83.9 and 95.3 decibels within a 0 - 10 foot range at the unit controls.

DIMENSIONS

- 3.75 feet (45.00 inches or 1.14 meters) wide.
- 5.00 feet (60.00 inches or 1.52 meters) long.
- Arm Up Height: 5.78 feet (69.36 inches or 1.76 meters).
- Arm Down Height: 3.23 feet (38.76 inches or 0.98 meters).
- Dry Weight: 562.00 lbs. Wet Weight: 569.00 lbs.

MAINTENANCE

- Break-in-period: 50 hours for engine and pump. Replace oil & filter.
- Replace engine oil & filter every 500 hours.
- Replace pump seal every 1500 hours.
- Replace pump valve every 3000 hours.
- Inspect nozzle orifice annually.

NOZZLE

- High-impact, stainless steel nozzle.
- Quick disconnect for easy replacement.

SERVICE PACKAGE OPTION

- Covers all general/interval maintenance components for warranty period.
- Includes oil for changes, filters for replacement, seal for pump, etc.
- Package of components for next maintenance interval.

TELEMATICS

- Web-based platform for customers to monitor equipment status.
- 4G LTE capability.
- Streamlined service and support.



WARRANTY

SYSTEM: 1 YEAR / 500 HOUR

REMOTE SPECIFICATIONS

- Controls:
  - Oscillation on/off and stop (limits).
  - Arm up/down.
  - Panning of nozzle.
  - Engine on/off.
- 1,000 feet / 305 meters range (line of sight).
- (2) AA batteries included.
- Auto shut off every two minutes of inactivity to conserve battery.
- Indication lights to provide unit status:
  - Proper pairing with unit.
  - Water pressure warning.
  - Maintenance reminders.
  - Remote low battery alert.

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

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