

WE KNOW CLEAN™

A FAMILY COMPANY SINCE 1967



**POWERBOSS**

THE POWER OF CLEAN

**ATLAS**

Industrial-Grade Rider Sweeper

**48-80 INCH WORKING  
WIDTHS AVAILABLE**

**ALL STEEL CONSTRUCTION**  
RELIABLE COST-EFFECTIVE PERFORMANCE  
MANEUVERABLE COMPACT PACKAGE

**SWEEPING PERFORMANCE  
OF UP TO 184,800 ft<sup>2</sup>/h**



The PowerBoss Atlas delivers reliable, cost-effective performance in a maneuverable and compact package. This 64" industrial sweeper can be used indoors and outdoors in parking lots, universities, hospitals, hotels, resorts, manufacturing facilities, distribution centers and more. Using the latest, most fuel efficient engines on the market, the Atlas comes with your choice of gas/lp or diesel powered option, giving you the versatility to choose the right power source for your application. With only 83 dba noise level, this quiet machine can be utilized with little disturbance to others. By utilizing a premium hydraulic system to raise and lower the main and side brooms, the Atlas' system is designed to be more cost-effective and reliable over the life of the machine.

FEATURES	BENEFITS
<b>Multiple Power Options</b>	Gas and LP GM 41 KW 1.6 Liter Tier III, 4 cylinder engines or Diesel, Kubota 28 KW Liquid Cooled 3 Cyl. Superior quality, environmentally compliant and a versatile choice of power source to fit any working environment.
<b>Quite Operation</b>	Only 83 dba noise level in full operation. A quiet machine for the operator providing less operator fatigue, more productivity with better results.
<b>Premium Hydraulics System</b>	The straight hydraulics system eliminates the need for micro processors or electro hydraulic valves. Straight hydraulics to turn on the main broom and side broom as well as cable linkage to raise and lower them. This provides a more cost effective, reliable design over the life of the machine. By turning the standard hydraulic By-pass tow-valve, this allows for the machine to be towed without pressure on the motor seals eliminating possible damage.
<b>Quick Change Wear Items</b>	No tools required to change or adjust the main broom, side broom or the dust filter. Easy and fast for better performance and more time spent sweeping.
<b>Retractable Side Sweeping Broom</b>	The large 660 mm side broom swings away from obstructions on impact, prolongs life of side broom and the hydraulic motor, giving the operator more confidence to do a better cleaning job.
<b>Main Sweeping Broom Wear Indicator</b>	The 1219mm main broom can be adjusted to the maximum sweeping position from the operators compartment. This wear adjustment also provides information as to how much sweeping life the broom has remaining. The sweeping system also allows for a full float sweeping position to successfully clean uneven surfaces. This easy to use system provides instant feedback for the operator and powerful sweeping results.
<b>Wall Saver Corner Roller</b>	A heavy duty roller located in the right rear corner of the machine. This provides protection for the machine and the facility.
<b>Ergonomic Operation</b>	<p>A roomy, open cockpit with extra comfort and convenience features for less operator fatigue and longer run times.</p> <ul style="list-style-type: none"> <li>• Adjustable high back seat</li> <li>• Power steering and tilt steering wheel</li> <li>• Comfortable pedal / controls placement</li> <li>• Excellent maneuverability - rear steering allows for maximum maneuverability in tight areas. U-Turn in less than a 3m isle.</li> </ul>



## Special Features Designed with Attention to Detail

### Power Access

Unmatched accessibility for routine engine maintenance saving time and providing longer engine life. It's like having an engine on a workbench. **PowerBoss** uses the latest most fuel efficient engines on the market.



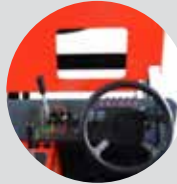
### 60" Multi-Level High Dump

Complete with the **Safety Vision Dumping System**, this feature allows the operator to safely, easily dispose of the debris at any height up to a standard 60" waste receptacle. The hopper also features a large opening for material which should not be swept, providing the operator a convenient place to deposit materials that would otherwise be left behind.



### Safety Vision Dump Window

Provides a safe, clear view of the hopper position when emptying debris into the dumpster. This feature is designed to provide safety when dumping and to minimize accidental damage to the machine.



### Power Control Dust Collection System

No tool, quick change filter for easy routine maintenance. Four stage dust filtration system. **MERV17 Filtration for Silica Dust** is also available.

**Stage 1:** Vacuumized main broom chamber.

**Stage 2:** Perma-Pre-Filter helps to eliminate dust before reaching the panel filter. **Stage 3:** 95 sq ft Synthetic Panel Filter.

**Stage 4:** Aggressive, filter vibration system to release the dust from the filter.



### Heavy Duty Design

The ATLAS features a massive one-piece, unitized 1/4" thick steel frame. This rugged style construction provides a longer more durable machine life.



### Exceptional Ground Clearance - The PowerClimb

The **PowerClimb** feature with 23" diameter tires easily maneuvers over rough terrain, including speed bumps and standard 4" curbs. This extra ground clearance provides the opportunity to sweep sidewalks and medians without damage to the machine.



# Technical Data ATLAS AT A GLANCE

FEATURE	SPECIFICATION
Productivity	184,800 sq ft per hour
<b>SWEEPING SYSTEM</b>	
Sweep Path	48/64/80 inches
Main Broom	48 inches
w/ Single Side Broom	64 inches
w/ Dual Side Brooms	80 inches
Main Broom Lift	Mechanical
Main Broom Change	No-Tools Required

<b>DEBRIS HOPPER (STEEL)</b>	
Hopper Volume	16 cu ft
Hopper Load Capacity	1,200
Hopper Type	High Dump
High Dump (variable to clear)	60 inches



POWER SYSTEM	SPECIFICATION
Fuel Sources	Gasoline, LPG, Diesel
Engine (Gas, LPG)	55 HP 1.5 L Kubota
Engine (Diesel)	37.5 HP Kubota
Propel Speed Forward	9.8 MPH
Propel Speed Reverse	3.0 MPH
<b>SWEEPING SYSTEM</b>	
Tires : (2) Front	23.2" Pneumatic
(1) Rear	18.5" Pneumatic
Ground Clearance	4 inches
Length	99.75 inches
Width	63.38 inches
Height	55.88 inches
Weight (net)	3,460 lbs
Minimum Aisle Turn	113 inches
Sound Level	83 dba
<b>TITLED DUST CONTROL SYSTEM</b>	
Stage 1	Vacuumized Main Broom Chamber
Stage 2	Perma Filter
Stage 3	95 sq ft Synthetic Panel Filter
Stage 4	Aggressive, Filter Contact Vibration

OPTIONAL SILICA DUST  
HEPA FILTRATION 

## Kubota Engine Advantages

- **Kubota engines for all fuel types:** LPG, Gasoline, and Diesel
- **The engine accounts for up to 1/4 the cost of a cleaning machine**  
Kubota engines are worth any added cost in the long run as they are unmatched in terms of reliability and lowest cost of operation
- **Designed specifically for use in industrial applications** -- these are not just an adapted automotive design.
- **Cast iron engine block and head for less thermal stress and long-life**
- **Internal protected and lubricated gear driven valve-train**  
-NO timing belt, pulleys, or tensioner  
-HIGH reliability
- **Non-interference design**
- **Based on diesel design = Heavy Duty!**
- **Access to global parts and service support!**






Power | Reliability



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