



AL-1 with 2240 MHX body shown, other body sizes and styles available.

**SYSTEM DESCRIPTION:**

The model AL-1 Atlas Lightning Loader is a heavy duty grapple loader mounted onto a chassis from behind the cab, equipped with Petersen's Big Bite® bucket at the end of the boom. The loader operates from a seated platform that rotates with the boom. CNG Capable.

**LIFT CAPACITY**

Radius	Load Capacity
10 ft. radius	9,400 lbs.
15 ft. radius	6,300 lbs.
20 ft. radius	4,500 lbs.
25 ft. radius	2,800 lbs.

**Note:** Weight of attachment not subtracted from above listed lifting capacities. Trash bucket weighs 1,000 lbs. Capacities shown do not exceed 85% vehicle tipping moment (outriggers engaged, loader on firm, level ground.)

**GENERAL SPECIFICATIONS**

Reach	25 ft.
⦿ Main Boom & Tip Boom	21 ft.
⦿ Tip Extension	4 ft.
Tare Weight (empty)	28,000 lb. est.
Outrigger Span	11 ft. 8 in.
Dump Body Hoist Capacity	31 tons

**RECOMMENDED CHASSIS (MINIMUM)**

Body Style	Conventional Cab
Cab-to-Axle Dimension	Contact PI for specifics
Frame	2,500,000 RBM
Frame Thickness	Double Frame
Engine	300 HP Diesel
Transmission	Allison 3000 or 4000 RDS
Electrical	Remote engine & transmission connectors

\*Drop Axle requires special consideration due to scissor hoist clearance\*  
 \*Always contact Petersen Industries for specific chassis requirements

**CONTROL OPTIONS:**

**DUAL WALK-THRU WITH QUADSTICK® CONTROLS (LEFT):** Dual walk-thru controls are located on both sides of the truck for greater accessibility and visibility. QUADSTICK® dual joystick controls are fully proportional and mechanically linked to the valve bank.

**DUAL WALK-THRU WITH PILOT CONTROL JOYSTICKS (RIGHT):** Dual pilot joysticks are conveniently located on each side of the dual walk-thru operator platform. These controls are also fully proportional.



SCAN TO LEARN MORE



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ATLAS LIGHTNING LOADER®



WE BUILD LEGENDS.®



## LIGHTNING LOADER® AN AMERICAN LEGEND

The Lightning Loader® is the most envied, most desired, and most imitated grapple truck in the bulk waste industry. Introducing the Atlas Lightning Loader®, the newest addition to the family built for maximum strength, durability and reliability. Consider it the bigger, older brother you always wanted—the kind that didn't take crap from anybody and was proud to be the new kid.

For those of you who are new to Lightning Loaders®, here is what you need to know:

We are American born and American made with over 60 years of experience in the manufacturing industry. We take pride in our products and services, building 95% of our unit in-house, including the bodies and cylinders, and providing all installation needs from start to finish. This means that you have a single point of responsibility—us.

### BUILT BY THE BEST



At Petersen Industries, we're serious about being "Made in America." We've lived and breathed knucklebooms for over 60 years, in Lake Wales, Florida. When it was time to build a new facility, we moved down the street – not overseas.

From buckets to cylinders, we manufacture and install 95% of all components in-house. We're proud of our product and the people who build it. Your Petersen Industries Lightning Loader® is built by highly trained American workers, with quality American parts.



# LIGHTNING LOADER®

American born. American made. Efficient, dependable one-man operations for secure solid waste removal. Revolutionizing grapple trucks since 1957 and home to the original, industry-defining Lightning Loader®.

#### TOP SEAT

Because of the proportional joysticks, the foot pedal swing, and an oversized seat designed for maximum comfort, you could stay up here all day long.

#### HYDRAULIC SYSTEM:

Experience the most precise and efficient execution in the industry. Our variable speed pump gives you control where you want it, when you want it, without slowing down.

#### CYLINDERS

We utilize many of the same great cylinders that have been tried and true in our other models over the years. This means that if you are a current customer, you'll have some interchangeability with other products. If you are a new customer, you can be confident in our legendary reputation for quality and durability.

#### BIG BITE® BUCKET

We've skinned this larger bucket in Hardox 450 so you can use the full force of the cylinders without worrying about tearing a hole in your bucket. With simple hose routing and brake washers on both axes, this is the easiest and smoothest operating two cylinder bucket you'll find.

#### SLEWING SYSTEM/GEARBOX

##### Steady as she goes.

Our stabilizing swing circuit ensures smooth starts and stops, reducing the overall stress on the boom and slewing system. After three seconds of inactivity, the integral break locks down the boom which eliminates the need for a mechanical swing lock.

#### H-STYLE OUTRIGGERS

Horizontal and vertical outriggers act independently of each other, allowing the operator to have incredible accuracy in maneuvering around obstructions and traffic patterns. Not only does this provide a wider base than an A-frame system, the vertical outrigger leg is the ideal position for our heavy duty strobe light.

#### MHX BODY

Full disclosure, MHX stands for "Mega-Hardox". A deserving name for a 40 cubic yard (or bigger) body that is skinned on the floor, headboard, sides, and top rail in 3/16" Hardox 450 steel.



## ATLAS ATTRIBUTES

The short list of what sets us apart.



### SPEED

#### Atlas is designed to save time in multiple areas:

- The work-site set-up is easier and quicker with custom outrigger placement and a boom that can continuously rotate 360° degrees.
- During operation, the variable speed pump allows you to use any combination of loader functions without the loader slowing down. The dump hoist is power up and gravity down with twin multi-stage telescopic cylinders, giving us a 45% faster dump cycle.



### ENDURANCE

#### In this industry, it's not only about how many hits you can take, but about how long you can keep operating at peak performance. That's why Atlas offers:

- A state-of-the-art hydraulic and filtration system designed to keep this vital portion of the loader running as smoothly as possible.
- Fully skinned bucket and body in Hardox 450 steel for extreme wear and tear.



### STRENGTH

#### Atlas delivers maximum power during all stages:

- Lifting – Whether it's a tree or a Suburban, our lift cylinders can handle any job.
- Crushing – Twin cylinders on the Big Bite Bucket® can make short work of the small stuff.
- Dumping – We have the heaviest and most stable lifting hoist for whatever you'll be loading throughout the day.