

# Leaf collection just got a whole lot

Introducing the American Road Machinery Company Vacuum Leaf and Debris Collector. Our self-contained, engine-driven vacuum machine is one tough piece of equipment. This machine can pick up and completely mulch leaves and debris from curb sides, median strips, ditches, open spillways, and other areas, then deposit the mulch in an integral, all-steel hopper. The unit can be mounted on a trailer, chassis, or roll off configuration, and is designed for one-person operation.



## Hose Boom Options

This 12-volt, electric/hydraulic power unit provides up and down movement of the standard hose boom with a 2-inch cylinder. It is activated with a push button switch in a hand-held pendant, which can be mounted at the operator's station.

## Axles

Heavy duty tubular alloy steel leaf spring axles

- 17 and 20-yd: two 3" diameter axles rated at 7,000 pounds each
- 25-yd: two 4" diameter axles rated at 9,000 pounds each
- 30-yd: two 5" diameter axles rated at 12,000 pounds each



## Blower Housing

The blower housing contains a fan that is either 25" or 30" in diameter. These contain six 3/8" AR-400 steel blades that are stress relieved and statically and dynamically balanced. The 25" fan generates 16,600 CFM, while the 30" fan generates 24,200 CFM. Our fan and blower housing can handle even the heaviest of wet leaves and debris.

## Hopper

Our models are available in 17, 20, 25, and 30 cubic-yard capacities. They have 12-gauge, all-welded steel construction with 3" channels encircling the body. With an engine-driven, hydraulic hoist, even the heaviest loads are handled easily. This means you can handle more debris with less effort. You can let the machine work for you.



## Engine

The engine says it all when it comes to a machine like this. That's why we engineered our vacuum leaf collector with the Kohler KDI 2504 TCR Final Tier 4, 4-cycle turbo diesel engine at 74 HP.

## Heavy Duty Towing

An adjustable pintle hook, safety chains and an electric brake connection allow you to tow the machine easily and safely - every time.

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## Control Panel

An easy-to-read, operator-friendly control panel is standard on all of our vacuum leaf collectors. It is mounted on the curb side, in a shock-mounted panel.

- Electronic throttle with digital read out
- Keyed On/Start/Off switch
- Digital Voltmeter, Tachometer, Hour Meter, Water Temperature and Oil Pressure with safety shut-off
- Emergency stop button



## Rear Door(s)

Units are available with either:

- One-piece, top-hinged rear door with spring-compensated counter-balance to aid in holding the door open for dumping.
- Two-piece, heavy duty, side-hinged, overlapping rear doors that can be locked into place while dumping.

## Hose

The 16" diameter and 10' long, heavy-duty rubber hose with wax blooming rubber liner resists wear and material build up. Its abrasion-resistant cover keeps it in good condition for the long haul.

## Leaf Loaders



- Low-cost leaf removal with right or left hand pickup
- Forward or rear intake design
- 16" diameter hose - heavy or light duty
- Direct drive power take off with over-center clutch protects engine from shock loads
- Low tip-to-housing clearance on suction fan creates hurricane-forced air flow
- Kohler 74 HP diesel engine collects debris at 2500 RPM
- 25" or 30" steel fan with six abrasion-resistant blades is statically and dynamically balanced
- 16,600 or 24,000 CFM available for highly efficient air and litter movement



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# FEATURES

## UNIT CONFIGURATIONS

- Trailer mounted
- Chassis mounted
- Roll-off mounted

## ENGINES

- Kohler KDI 2504 TCR Final Tier 4, 4-cycle turbo diesel engine at 74 HP

## ENGINE GAUGES

- Electronic throttle with digital read out
- Keyed On/Start/Off switch
- Digital Voltmeter, Tachometer, Hour Meter, Water Temperature and Oil Pressure with safety shut-off
- Emergency stop button

## POWER TAKE-OFF

- Manual engage heavy duty 1-112" over-center clutch with 2-1/4" shaft
- Fluid coupler I.P.O. over-center clutch
- Push button, auto-engage clutch

## FUEL TANK

- 30 Gallon capacity, poly

## TIRES

- 17 & 20 yd. — Four 8.00-14.5 LT tires with a 72" track
- 25 yd. — Eight 7.50-16 10 Ply tires with a 66" track
- 30 yd. — Eight 9.50 - 16.5 LT tires with a 66" track

## AXLES

Heavy duty tubular alloy steel leaf spring axles

- 17 & 20 yd. — two 3" diameter tubular alloy steel axles rated at 7,000 pounds each
- 25 yd. — two 4" diameter tubular alloy steel axles rated at 9,000 pounds each
- 30 yd. — two 5" diameter tubular alloy steel axles rated at 12,000 pounds each

## OVERALL DIMENSIONS

- 17 & 20 yd.—101" wide, 265" long and 118" high
- 25 yd. — 101" wide, 314" long and 118" high
- 30 yd. — 101" wide, 365" long and 118" high

## PAINT

- White enamel automotive finish paint
- Custom colors available

## INTAKE ATTACHMENTS

- 45 degree hose adapter
- Hinged hose adapter
- Hose quick disconnect

## REAR DOORS

Units are available with either:

- One-piece, top-hinged rear door with spring-compensated counter balance to aid in holding the door open for dumping
- Two-piece, heavy duty, side-hinged, overlapping rear doors that open with ease and can be locked into place while dumping

## HOSE OPTIONS

- 16" diameter x 10' long, heavy duty rubber hose with wax blooming rubber liner to resist wear and build up of material
- Abrasion-resistant cover, wire reinforced, weighing 8.2 lbs. per foot

## HOSE BOOM OPTIONS

- 12 volt electric-hydraulic power unit provides up and down movement of the standard hose boom with a 2-inch cylinder
- Cylinder is activated with push button switches mounted in a hand-held pendant at the operator's station

## HOPPER

- Available in 17, 20, 25 and 30 cubic yard capacity
- 12 gauge all welded steel construction with 3" channels encircling the body.
- Engine-driven, hydraulic, self-dumping hopper with replaceable aluminum mesh and expanded metal screen
- Conspicuity tape on side, rear, and bumper of unit

## HOPPER FRAME

Heavy main frame made of 5" @ 9 pounds per foot channel supporting full length and width of hopper. Rear bumper is made of channel housing safety lights with conspicuity tape and license plate bracket

- 17 & 20 yd. — 100-3/4" wide, 99" long
- 25 yd. — 100-3/4" wide, 149" long
- 30 yd.. — 101" wide, 159" long

## BLOWER FAN

Six 3/8" AR-400 steel blades, stress relieved and balanced

- 25" diameter fan generates 16,600 CFM
- 30" diameter fan generates 24,200 CFM

## LIGHTS

- LED brake lights, side clearance lights, side reflector, turn signals and truck connector kit
- Amber rotating beacon or strobe
- LED strobe light top and bottom (4) mounted with on/off toggle switch

*Some items listed are optional equipment.*