

# **Madvac®** LP61-G Portable Litter Vacuum (gas)

Sourcewell   
Formerly NJPA

 **canoe**  
procurement group of canada

## Product Overview





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# Application

Ideal for hard-to-reach soiled areas such as windblown trash at landfill and transfer station fence lines, parking lots, parks, cycling trails and industrial sites.





## Why the LP61-G?

- Powerful vacuum litter collector: 5 times more efficient than manual picking
- Patented straight-through suction compacts litter
- No fan to jam technology

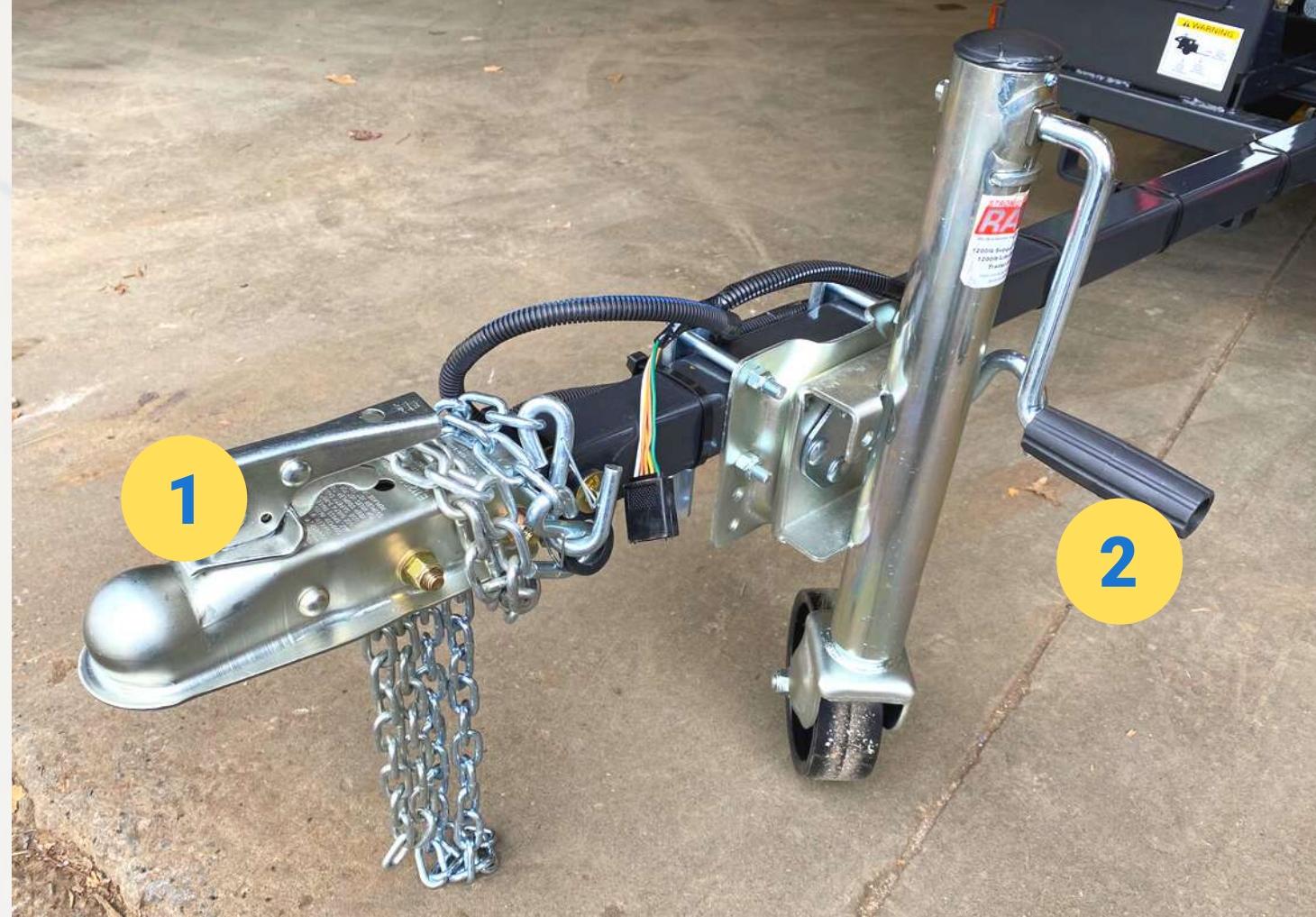


# Why the LP61-G



- Compact, lightweight, easy to use
- 2 transport options:
  - standard pickup truck with 6-ft bed
  - tow behind trailer with standard hitch





Trailer attachment types available:

- 2 in. ball
- 1.78 in. ball
- pintle

Trailer jack

Trailer wiring harness (4 pin)



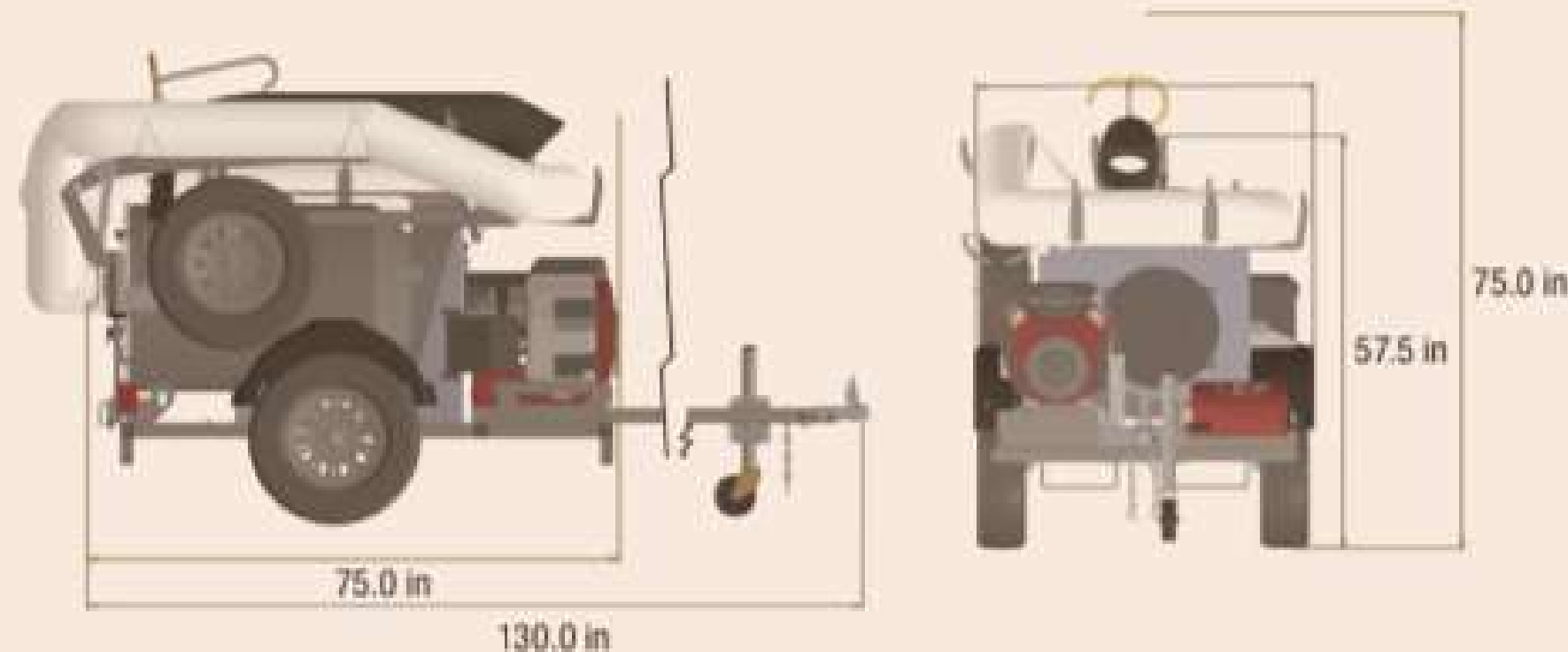
**Skid mount to trailer  
option (or the reverse)  
in 45 min**



## Skid



## Option Trailer Mounted



# Dimensions

### Skid Mount

- Length: 72 in. (1828 mm)
- Width: 47.2 in. (1198 mm)
- Height: 49.5 in. (1257 mm)
- Weight: 750 lbs (340 kg)

### Trailer Mount

- Length: 130 in. (3300 mm)
- Width: 47.2 in. (1198 mm)
- Height: 57.5 in. (1460 mm)
- Weight: 952 lbs (425 kg)



# Body / Frame

- Heavy gauge steel body on a weilded 1/4 in. (6.35 mm) structural steel frame
- Electrostatic powder-coated paint







# Engine

- Model: Vanguard 400 / Briggs & Stratton
- Displacement: 408 cc (25 cu in.)
- Gross rated power: 10.4 KW (14 HP)
- Fuel type: Petrol (Gas) - no diesel





Some of the photos in this document and on our YouTube channel show the LP61-G with a Honda engine. Since April 2022, this engine has been replaced with the Vanguard 400 manufactured by Briggs & Stratton.

Reason for the change:

- Manufacturer offers a 3-year warranty versus 2-years with Honda
- Vanguard offers more autonomy with max. fuel capacity 12 gal (45.4 L) versus Honda 6 gal. (22.7L)
- Honda does not have a ventilated gas cap - operator must manually release gas tank pressure before using the machine
- Vanguard 400 has a less complicated assembly - easier to maintain, less wiring
- Aftersales Vanguard parts less costly / more available than Honda

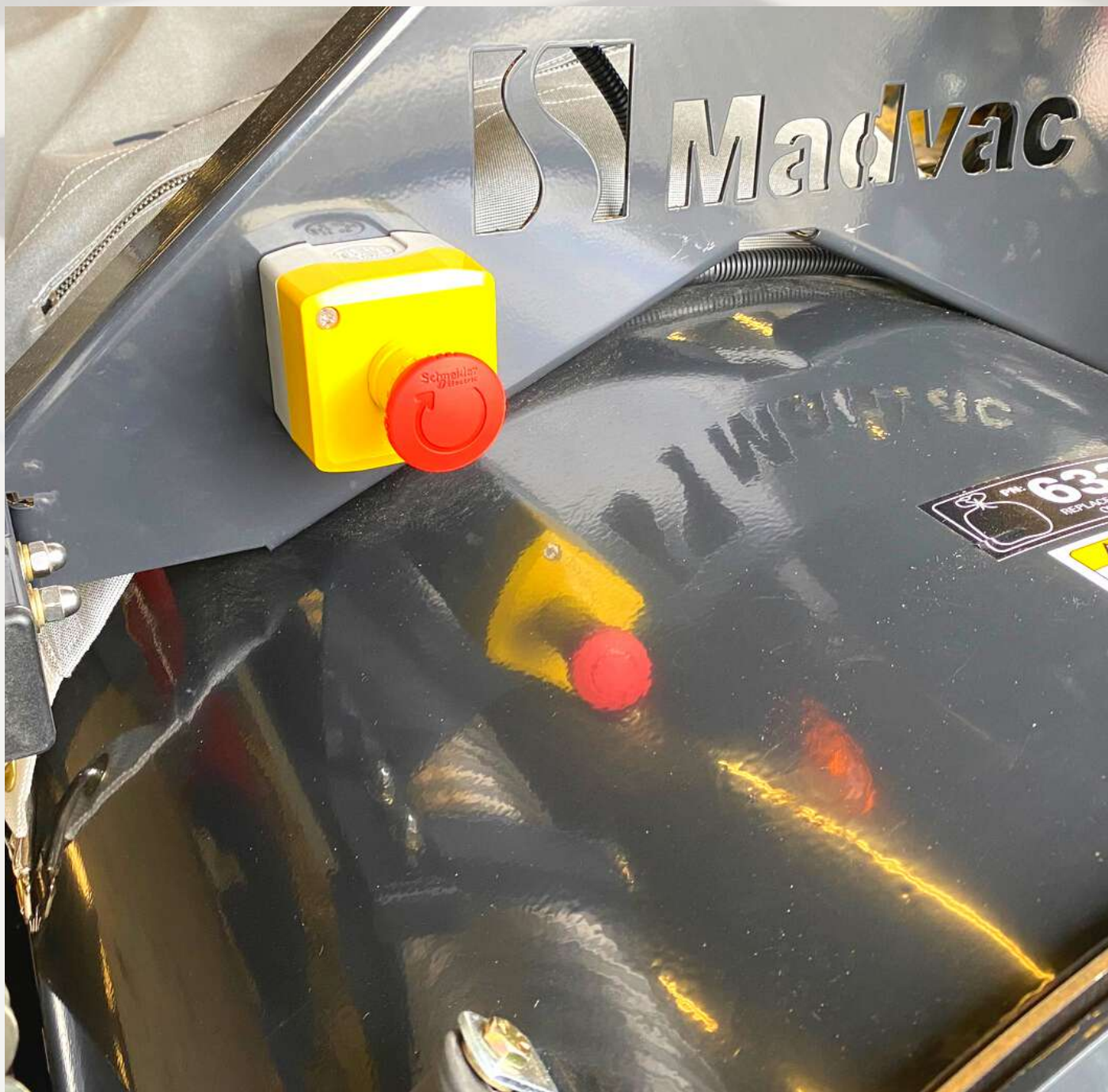


# Control Panel

- 1 Throttle: sets engine revolution
- 2 Choke: Set choke open and close for engine start-up
- 3 Recoil starter rope (not required if ignition key is used)





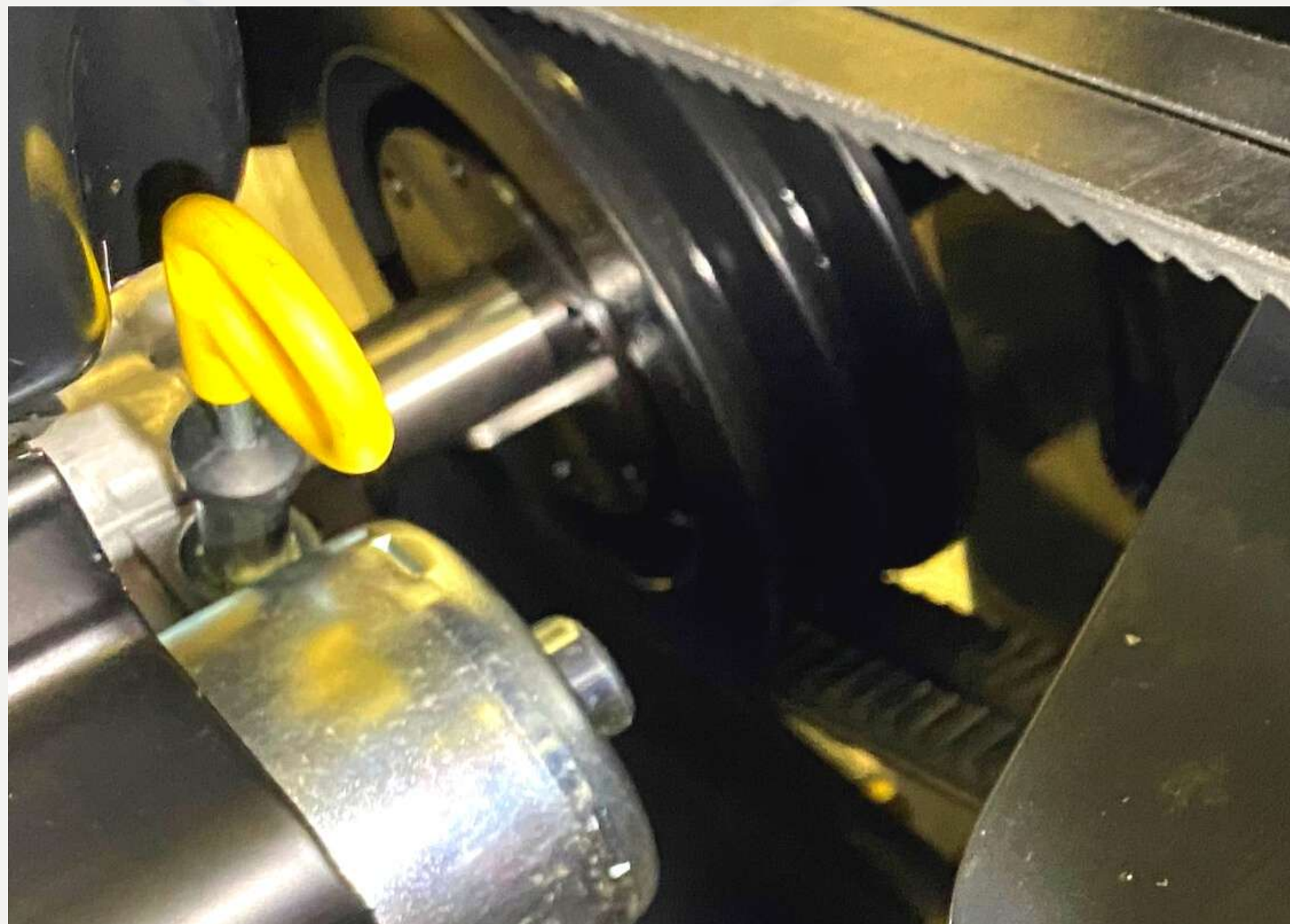


Emergency stop button

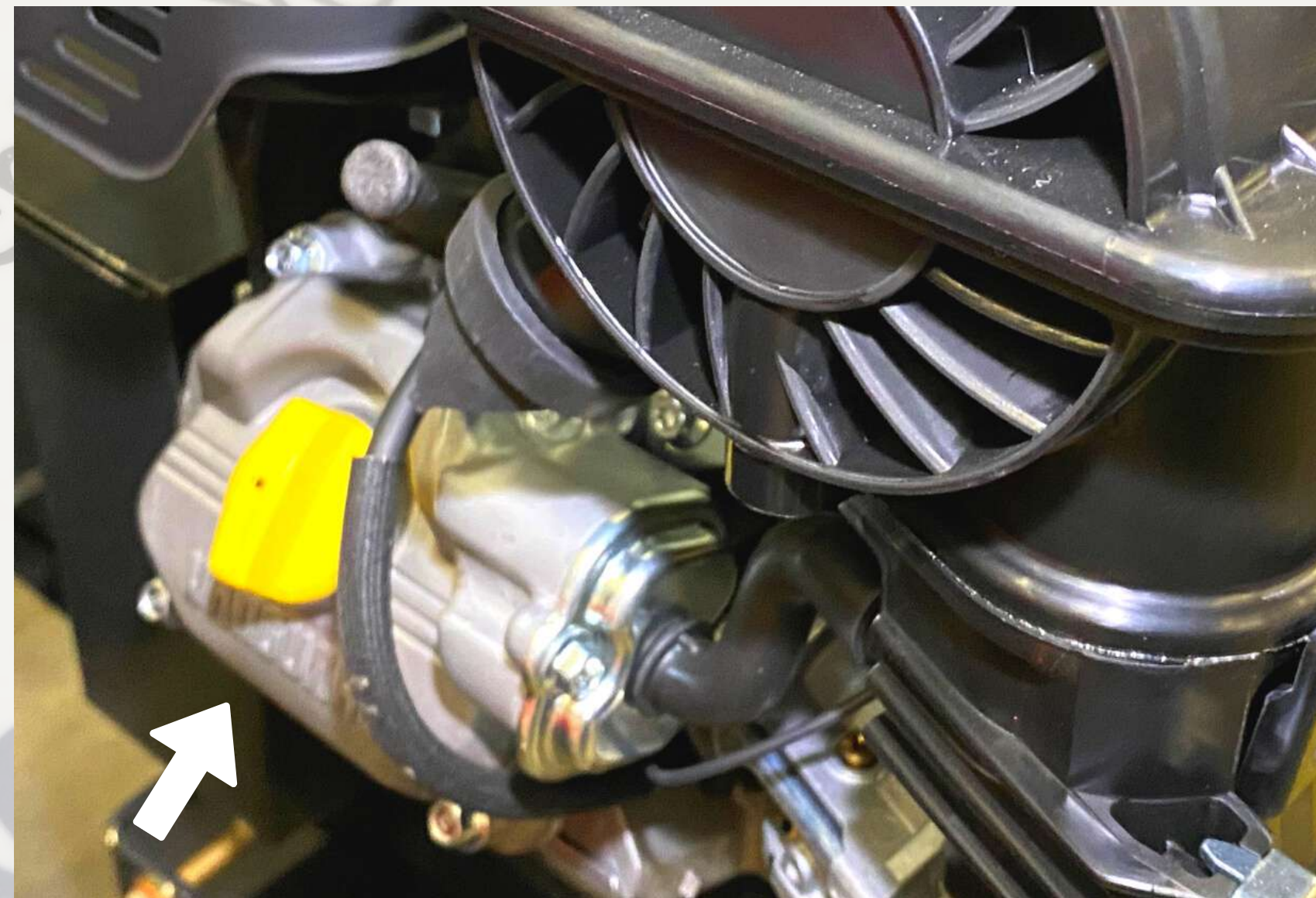


Ignition switch: rotary key switch controls ignition circuit of the machine





Dipstick



Oil inlet

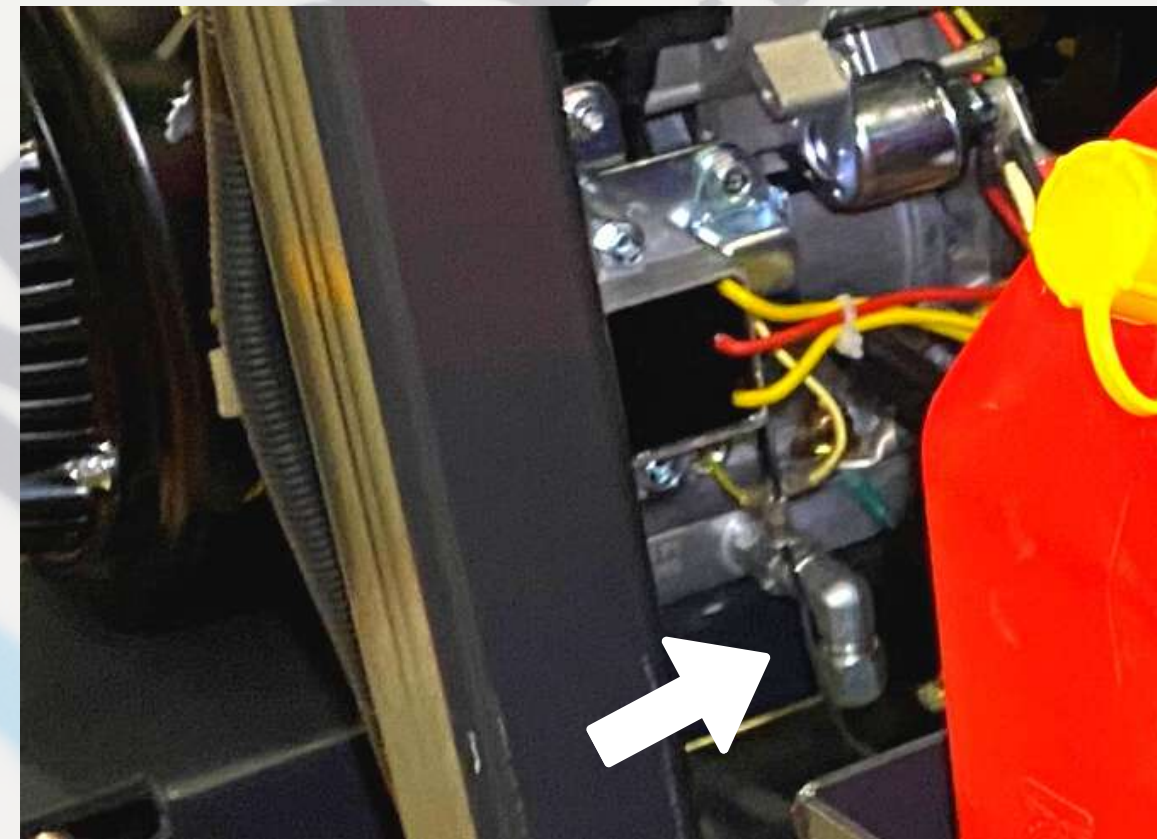




Air filter

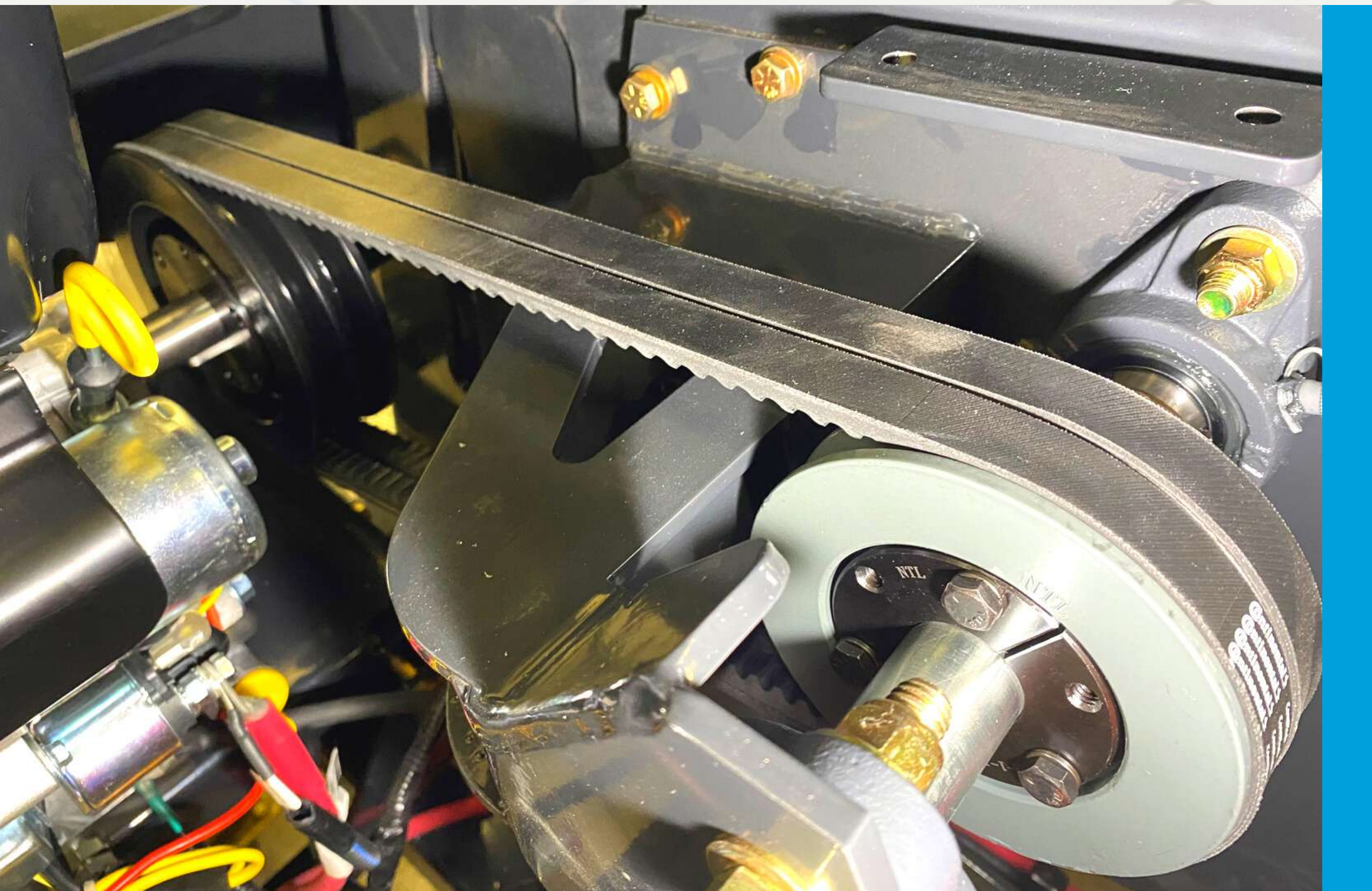


Spark plug



Oil drain





# Double Belt

Transmits engine power to the fan



# Muffler

Suppresses engine noise





# Fuel Tanks



- Fuel type: gas (no diesel)
- Fuel capacity: Motor 1.6 gal. (6 L) + two tanks 10.4 gal. (39.4 L) Total = 12 gal (45.4 L)
- Ventilated gas cap: no need to release pressure prior to start
- Fuel consumption: 1.3 gal (4.9L) per hour







# Battery

12-volt heavy duty battery for engine starter and beacon light





# Lighting Package

Fully street legal

- Beacon
- 4 corner lights





# Wheels



- 4-season radial tires
- 175/80 R 13
- Spare tire for trailer mount option

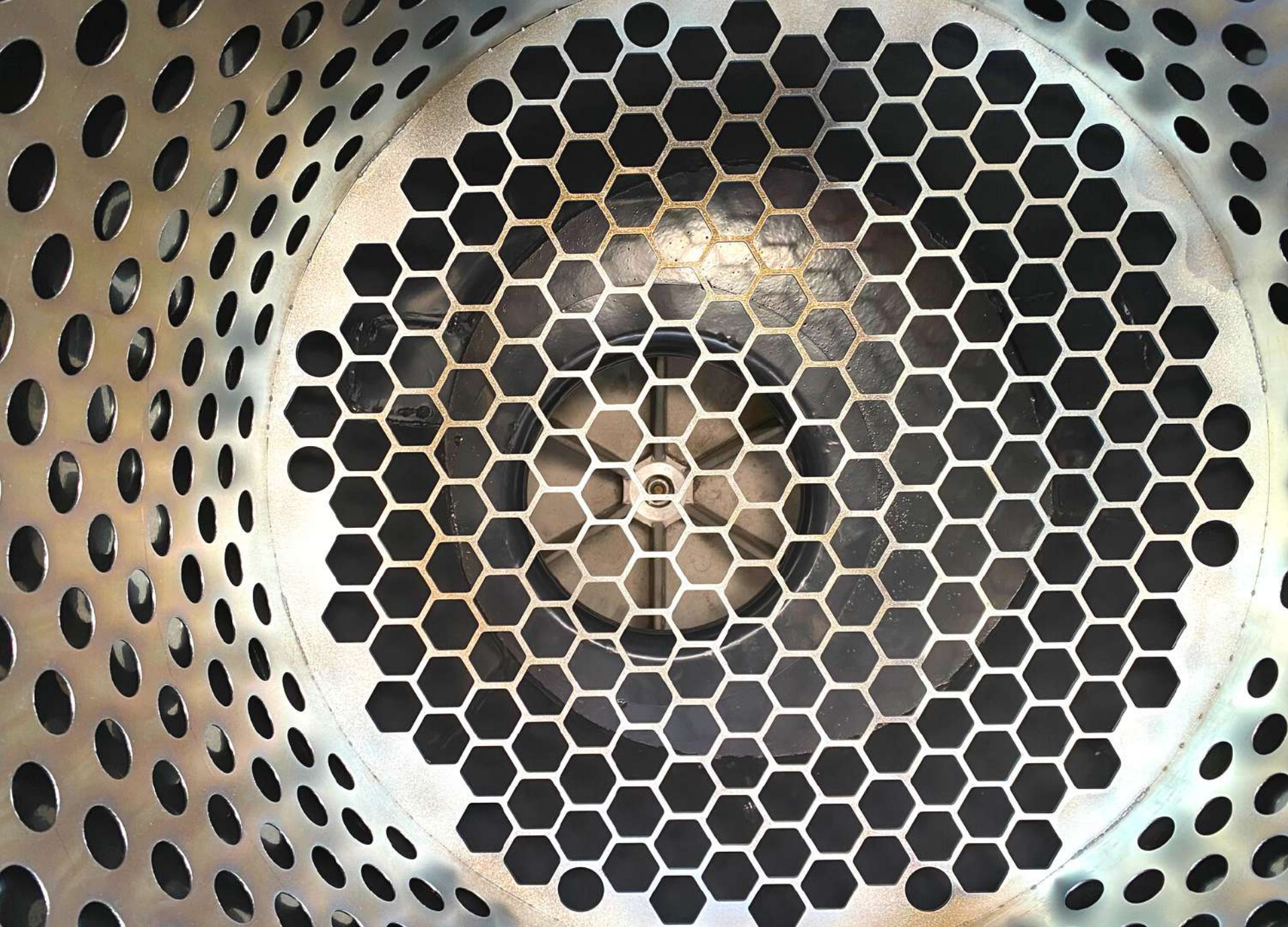




# License Plate Holder

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- Vacuum rating: 2200 CFM
- Air Flow: 7700 ft/min (2347 M/min.)
- Vacuum fan diameter: 14 in. (365 mm)
- Bottom mounted fan: no litter comes in contact with the fan
- Straight-through suction system compacts litter 2:1 ratio

# Vacuum System



Hose Extension



## Vacuum Hose

- Diameter: 8 in. (203 mm)
- Length: standard 25 ft. (7.62 m) including the handle
- Optional hose extension: 15 ft. (4.57 m) or 25 ft. (7.62 m)





# Hose Support Arm



360-degree rotating vacuum hose support arm allows easy displacement and positioning of the hose



# Container and Bag

- Litter capacity: 50 gal. (190 L)
- Material: 16-gauge powder-coated steel
- Bag: quick change reusable bag



*Note: off-the-shelf bags not compatible with this machine*





# Bagless Debris System - Kevlar Bin

Optional Kevlar bin can be filled, then emptied into off-the-shelf bag



# Litter Catch Cover

(for litter bags and Kevlar bin)

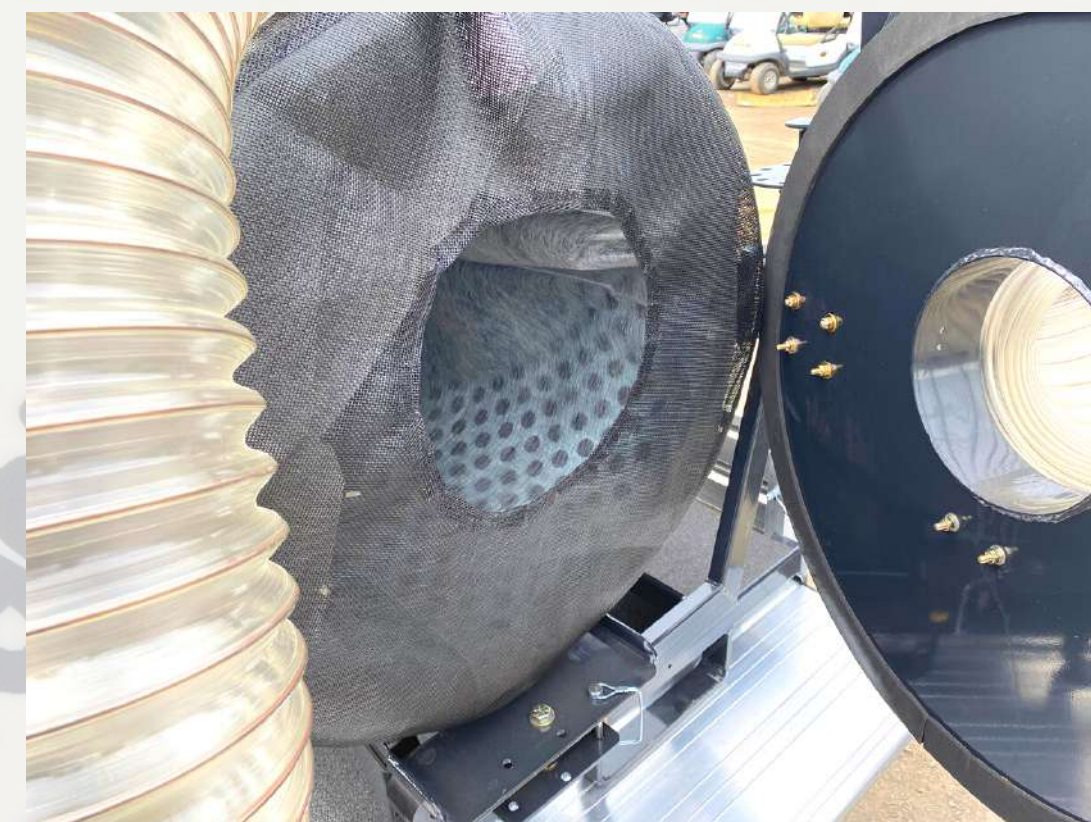
Prevents litter from falling to the ground when container door is opened



Bag



Catch Cover



Installed





# Dust Control

## 2-Micron Interior Cylindrical Filter Cartridge (Optional)

- Offers additional dust control (for high pedestrian areas)
- Compatible with litter collector bags only, not Kevlar bin





# Dust Control


## Exhaust Filtration Bag

Retains fine particles  
and dust before clean  
air is expelled





To schedule a demo, request a quote, or for more information on the LP61-G portable vacuum:

 (800) 635-0298

 [sales@controlledairdesign.com](mailto:sales@controlledairdesign.com)

 [www.controlledairdesign.com](http://www.controlledairdesign.com)

**Sourcewell**  
Formerly NJPA

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procurement group of canada

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