

ECO 75 VACUUM EXCAVATOR

VERMEER VACUUM EXCAVATOR BY MCLAUGHLIN



CAM-OVER REAR DOOR.

Provides a 360-degree positive seal, even under reverse pressure without additional clamping requirements. The highly reliable cam-over door has a no in-tank moving parts, so all maintenance is external.



THREE-STAGE CYCLONIC FILTRATION.

Engineered to prolong filter and blower life, the system is suitable for wet and dry applications. The cyclones use a tuned vortex system in which the outer vortex spiral forces small particles to fall into a separate canister. The filtered stream then passes up through the inner cyclone tube and is carried to the final poly filter.



HYDRAULIC BOOM. (OPTIONAL)

4" or 5" Exclusive telescoping boom maintains hose length during extension and incorporates a remote controlled hydraulic valve for vacuum shut off. Available with manual or hydraulic rotations.



IN-TANK WASH-DOWN.

Delivers a high-pressure water spray to the tank interior helping simultaneously dump material and clean the inside of the tank. Saves clean up time and makes it easier to remove difficult debris.



ECONOMICAL OPERATION.

Delivers fuel savings of more than 50% compared to PTO drive and has lower maintenance costs compared to truck engine services. Offers the versatility to mount on new or used truck chassis or on off-road crawler carriers.



MODULAR DESIGN.

Mount on a new or used double frame truck chassis, on or off road crawler, carriers or hook truck bodies for access to difficult projects.

ECO 75 500/800/1200® VACUUM EXCAVATOR BUILT BY MCLAUGHLIN

GENERAL WEIGHTS & DIMENSIONS: 500 GALLON

*Suggested Truck: 26,000 GVW / 14' Bed (4.3 m)

Length: 193" (490 cm)

Width: 97" (246 cm)

Height: 83" (211 cm)

Empty Weight: 5,420 lb (2,458 kg)

GENERAL WEIGHTS & DIMENSIONS: 800 GALLON

*Suggested Truck: 33,000 GVW / 16' Bed (4.9 m)

Length: 203" (516 cm)

Width: 97" (246 cm)

Height: 84" (213 cm)

Empty Weight: 6,055 lb (2,747 kg)

GENERAL WEIGHTS & DIMENSIONS: 1200 GALLON

*Suggested Truck: 33,000 GVW / 16' Bed (4.9 m)

Length: 234" (594 cm)

Width: 97" (246 cm)

Height: 91" (231 cm)

Empty Weight: 7,909 lb (3,587 kg)

ENGINE

Make and Model: Deutz TD 2.9 L 4 Cyl

Type: Turbo Diesel In-Line 4 Cyl with EGR and DOC

Max Engine rpm: 2600

Gross Horsepower: 74 hp (55 kW)

Displacement: 2.9 L (177 cu in)

Aspiration: Turbo Charged

Emissions Rating: Tier 4 Final (EU Stage IIIB)

Fuel Tank: 22 gal (83.3 L)

Enclosure: Full Sound Dampening with Lockable Doors

Auto Belt Tensioner: Water Pump: Yes; Blower: Yes

VACUUM

Filtration: 3 Stage Cyclonic - Standard

Final Filter: 2 Micron Washable Filter

Vacuum Blower Type: PD Blower

Vacuum Blower: 1,200 cfm (34 m3/min)

Vacuum Mercury: 15" hg (.5 bar)

Hose Length: 3-10' (3.04 m)

Hose Diameter: 5" (12.7 cm)

SPOIL TANK

Spoil Tank Capacity: 500 gal/800 gal/1200 gal (1892.7 L/3028.3 L/4542.5 L)

Rear Door Type: Cam-Over Hydraulic

In-Tank Washdown: Standard

Full Tank Shutoff: Mechanical/Electric

Tank Lift Type: Dual Hydraulic Cylinder

WATER SYSTEM

Total Water Tank Capacity: 250 / 410 gal (946.4/1552 L)

Number of Tanks: (2) 125 / 205 gal (473.2 L/776 L)

Water Pump: 8 gpm x 3000 psi (34 lpm x 1.4 bar)

High Pressure Hose Length: 50' (15.2 m)

Low Water Shutoff: Electric

BOOM

Weight: 1200 lb (544.3 kg)

Reach: 14' (4.3 m)

Movement: 270 degrees on 14" turret bearings

Remote Control: Wireless

AVAILABLE OPTIONS

Reverse Flow

Hot Box Water Heater

Arrow Board

Hydraulic Boom: Manual or Hydraulic Rotation

Air Compressor

Sewer Jetter

Core Saw

ECO VAC LINE BENEFITS:

PROVEN POWER SYSTEM. Uses a pony motor package and doesn't rely on truck's PTO drive for power.

UP TO \$13,000 IN ANNUAL FUEL SAVINGS. Deutz 74 hp (55 kW) diesel engine burns 50 percent less fuel per hour than a 270-hp (149.2 kW) diesel truck engine.

REDUCED MAINTENANCE. Engine requires routine maintenance every 400 hours — compared to diesel truck engines with service intervals every 125 hours — and fewer oil changes.

CONSISTENT PERFORMANCE. Deutz 74 hp (55 kW) diesel engine delivers constant power to the vacuum excavator — versus the lower, intermittent power provided by a truck PTO drive.

ADDED VERSATILITY. Mounts to virtually any new or used 26,000 lb (11,793.4 kg) GVW, 14' (4.3 m) bed truck or 33,000 lb (14,968.5 kg) GVW, 16' (4.9 m) bed truck.

Specifications subject to change without notice.

*Seasoned to 99% efficient at sub-micron filtration. Hepa Filters also available.

*It is the customer's responsibility to comply with local regulations regarding axle weights and total truck weights.

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