

# ECO 75 VACUUM EXCAVATOR



**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 no in-tank moving parts, so all maintenance is external.



**THREE-STAGE CYCLONIC FILTRATION.** Engineered to help 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.



**IN-TANK WASHDOWN.** Delivers a high-pressure water spray to the tank interior helping to simultaneously dump material and clean the inside of the tank. Saves cleanup time and makes it efficient to remove difficult debris.



**ECONOMICAL OPERATION.** Delivers fuel savings and has minimized maintenance costs compared to truck engine services. Offers the versatility to mount on new or used truck chassis or on on- or off-road crawler carriers.



**HYDRAULIC BOOM (OPTIONAL).** Exclusive telescoping boom maintains hose length during extension and incorporates a remote-controlled hydraulic valve for vacuum shutoff. Available with manual or hydraulic rotation.



**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 VACUUM EXCAVATOR

DIMENSIONS - SKID	ECO75-500	ECO75-800	ECO75-1200	ECO75-1600	ECO75-2200	ECO75-3000
Length	193 in (490 cm)	211 in (536 cm)	267 in (678 cm)	245 in (622 cm)	306 in (777 cm)	334 in (848 cm)
Width	95 in (241 cm)	97 in (246 cm)	97 in (246 cm)	96 in (244 cm)	89 in (226 cm)	94 in (239 cm)
Height	84 in (213 cm)	86 in (218 cm)	92 in (234 cm)	201 in (511 cm)	110 in (279 cm)	117 in (297 cm)
Empty weight	7,473 lb (3,375 kg)	8,050 lb (3,636 kg)	8,850 lb (3,997 kg)	11,240 lb (5,098 kg)	10,700 lb (4,853 kg)	12,117 lb (5,396 kg)
<b>ENGINE</b>						
Make and model	Deutz Tier 4 final diesel	Deutz Tier 4 final diesel	Deutz Tier 4 final diesel	Deutz Tier 4 final diesel	Deutz Tier 4 final diesel	Deutz Tier 4 final diesel
Horsepower	74 hp (55 kW)	74 hp (55 kW)	74 hp (55 kW)	74 hp (55 kW)	74 hp (55 kW)	74 hp (55 kW)
Fuel tank capacity	22 gal (83.3 L)	22 gal (83.3 L)	22 gal (83.3 L)	22 gal (83.3 L)	22 gal (83.3 L)	22 gal (83.3 L)
Enclosure	Yes	Yes	Yes	Yes	Yes	Yes
<b>WATER TANK</b>						
Water tank capacity	250 gal (946 L)	410 gal (1,552 L)	410 gal (1,552 L)	410 gal (1,552 L)	410 gal (1,552 L)	410 gal (1,552 L)
Number of tanks	2	2	2	1	1	1
High pressure pump flow rate	8 gpm (34 L/min)	8 gpm (34 L/min)	8 gpm (34 L/min)	8 gpm (34 L/min)	8 gpm (34 L/min)	8 gpm (34 L/min)
High pressure pump	3,000 psi (1.4 bar)	3,000 psi (1.4 bar)	3,000 psi (1.4 bar)	3,000 psi (1.4 bar)	3,000 psi (1.4 bar)	3,000 psi (1.4 bar)
High pressure pump hose length	50 ft (15 m)	50 ft (15 m)	50 ft (15 m)	50 ft (15 m)	50 ft (15 m)	50 ft (15 m)
Low water shutoff	Electric	Electric	Electric	Electric	Electric	Electric
<b>SPOIL TANK</b>						
Spoil tank capacity	500 gal (1,892.7 L)	800 gal (3,028.3 L)	1,200 gal (4,542.5 L)	1,600 gal (6,056.7 L)	2,200 gal (8,327.9 L)	3,000 gal (11,356.2 L)
Door type	Cam-over hydraulic	Cam-over hydraulic	Cam-over hydraulic	Cam-over hydraulic	Cam-over hydraulic	Cam-over hydraulic
Tank lift type	Dual cylinder	Dual cylinder	Dual cylinder	Dual cylinder	Dual cylinder	Dual cylinder
<b>VACUUM</b>						
Type of filters	2 micron washable	2 micron washable	2 micron washable	2 micron washable	2 micron washable	2 micron washable
Hose length	(3) 10 ft (3.04 m)	(3) 10 ft (3.04 m)	(3) 10 ft (3.04 m)	(3) 10 ft (3.04 m)	(3) 10 ft (3.04 m)	(3) 10 ft (3.04 m)
Hose width	4 in (10.2 cm)	4 in (10.2 cm)	4 in (10.2 cm)	4 in (10.2 cm)	4 in (10.2 cm)	4 in (10.2 cm)
Vacuum	1,200 cfm (2,039 m <sup>3</sup> /hr)	1,200 cfm (2,039 m <sup>3</sup> /hr)	1,200 cfm (2,039 m <sup>3</sup> /hr)	1,200 cfm (2,039 m <sup>3</sup> /hr)	1,200 cfm (2,039 m <sup>3</sup> /hr)	1,200 cfm (2,039 m <sup>3</sup> /hr)
Vacuum blower type	PD blower	PD blower	PD blower	PD blower	PD blower	PD blower
Vacuum mercury	15 in hg (.5 bar)	15 in hg (.5 bar)	15 in hg (.5 bar)	15 in hg (.5 bar)	15 in hg (.5 bar)	15 in hg (.5 bar)
<b>CONTROL PANEL</b>						
Controls	Curbside	Curbside	Curbside	Curbside	Curbside	Curbside
Gauges	Analog	Analog	Analog	Analog	Analog	Analog
<b>JETTER PUMP (OPTION)</b>						
Water flow	12 gpm / 18 gpm	12 gpm / 18 gpm	12 gpm / 18 gpm	N/A	N/A	N/A
Water pressure	3,000 psi / 2,000 psi	3,000 psi / 2,000 psi	3,000 psi / 2,000 psi	N/A	N/A	N/A
Jetter hose length	500 ft (152 m)	500 ft (152 m)	500 ft (152 m)	N/A	N/A	N/A
Jetter hose diameter	1/2 in (1.3 cm)	1/2 in (1.3 cm)	1/2 in (1.3 cm)	N/A	N/A	N/A
<b>AIR COMPRESSOR (OPTION)</b>						
Air flow	185 cfm (314 m <sup>3</sup> /hr)	185 cfm (314 m <sup>3</sup> /hr)	185 cfm (314 m <sup>3</sup> /hr)	N/A	N/A	N/A
Air pressure	100 psi (6.9 bar)	100 psi (6.9 bar)	100 psi (6.9 bar)	N/A	N/A	N/A
Air hose length	50 ft (15 m)	50 ft (15 m)	50 ft (15 m)	N/A	N/A	N/A
Air hose size	1 in (2.5 cm)	1 in (2.5 cm)	1 in (2.5 cm)	N/A	N/A	N/A
<b>BOOM (OPTION)</b>						
Weight	1,200 lb (544.3 kg)	1,200 lb (544.3 kg)	1,200 lb (544.3 kg)	1,200 lb (544.3 kg)	1,200 lb (544.3 kg)	1,200 lb (544.3 kg)
Reach	14 ft (4.3 m)	14 ft (4.3 m)	14 ft (4.3 m)	14 ft (4.3 m)	14 ft (4.3 m)	14 ft (4.3 m)
Movement	270 degrees on 14-in (36-cm) turret bearings	270 degrees on 14-in (36-cm) turret bearings	270 degrees on 14-in (36-cm) turret bearings	270 degrees on 14-in (36-cm) turret bearings	270 degrees on 14-in (36-cm) turret bearings	270 degrees on 14-in (36-cm) turret bearings
Remote control	Wireless	Wireless	Wireless	Wireless	Wireless	Wireless
<b>OPTIONS (FOR MOST)</b>						

- Reverse flow
- Hot box water heater
- Arrow board
- Boom (manual or hydraulic rotation)
- Deep vac option offered on tank sizes over 1,200 gal (4,542.5 L) includes 23 in hg (.8 bar) of mercury deep vac blower and 5.6 gpm (21.2 L/min) @ 3,000 psi high-pressure pump flow rate.

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