

June 8,
2010



Steel Vacuum Trailers

60 BBL



Suitable for the transport of hazardous waste products and built according to the design rules for vacuum operated waste tankers

Chassis

Brand	DONGFENG
GVW	25.5T
Kerb weight	14.1T (14.8T with optional hydraulic boom)
Front axle	5.5T
Rear twin axles	20T
Outer dimensions	8865x2500x3550 mm (8865x2500x3960 with optional hydraulic boom)
Type	Right Hand Drive
PTO	The chassis will be equipped, with a PTO on the gearbox driving double pumps <ul style="list-style-type: none">• One for driving the vacuum pump• One for driving the different hydraulic functions.
Engine	C230 20
Power	230HP
Wheel base	4350+1300 mm
Tyres	10.00 R20 (10+1 pcs)

Pressure-Vacuum Tank

Shape	Cylindrical shaped tank
Material	Stainless steel
Volume	9500 L (2509.634 gal)
Design Pressure	Full vacuum

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Working pressure	- 0.9bar
Contents Indicator	Sight glass mounted at the rear of tank
Safety device	Overpressure valve is mounted on the top of tank
Discharge Gutter	At the rear of the tank in steel in order to keep the rear of the vehicle clean

Rear Door

Operation	Full door with hydraulically opening operation
Safety	Hydraulic check valves with auto check
Hinges	Heavy duty, adjustable hinges
Locking mechanism	The door is locked by manually operated clamps
Seal	Positive seal with rubber seal in neoprene
Inlet valve	100mm ball valve
Outlet Valve	100mm ball valve

Vacuum Pump

Type	Liquid ring vacuum pump
Air flow	1350 m ³ /hr (790 cfm)
Max Vacuum	90%
Power requirement	50kw
Speed Max	1300rpm
Mounting	Between wheel base
Transfer device	Shaft
Pump protection	1) SS floating balls inside the tank 2) Security filters 3) An automatic vacuum sniffer valve

Suction Duct

Duct Diameter	100mm (4in)
Material	Stainless steel and rubber hose for a torsion free mounting
Accessories	4 inch non-return valve
Operation	Open / Close

Cooling Water Tank

Capacity	+/- 1.500 L
Material	Stainless steel
Type	Cylindrical tank, mounted just behind the cabin.

Additional Safety

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Emergency Stop	Emergency stop situated on main control panel
Working lights	One off positioned in accordance with customer

Equipment

Hose box	Full-length steel hose box on the off side of chassis
Hoses	
Tool box	One lockable watertight box in aluminium to be mounted
Controls	All necessary controls needed for good operation are provided
Labels	The whole unit is foreseen with clearly engraved labels where necessary

Painting

Outside	All steel and SS parts are sand blasted to SA 2.5 prior to painting
Inside	Water tank is painted with anti-corrosive painting

