

Vacuum tankers AKNS-8 (+1) KAMAZ-53605

от 0 р



Варианты комплектации

Полные характеристики

Tanker specifications

Capacity, cubic meter	9 (8+1)
Cross-section form	circle
The number of sections	2
Bottom opening	hydraulic
Lifting the tank	Dump truck type, using one Central front hydraulic cylinder at an angle of at least 40 degrees.
Steel grade	09G2S (09Г2С) (low-alloy steel with a minimum thickness of 5 mm)
Side framing	external frame
Breakwaters	Internal, reinforced, in the upper part of the tank, with an overlap of no more than 1/3 of the cross-section area.

Structural connection of the tank with the subframe	<ul style="list-style-type: none"> - Rear hinges-hinges (2 PCs.). - Front pressure using a lifting hydraulic cylinder.
Structural connection of the subframe to the chassis frame	<ul style="list-style-type: none"> - Rigid bolted connections, including spring-loaded expansion joints in the front. - A rubber damper is provided between the frame and the subframe.
Welding and seam control	<ul style="list-style-type: none"> - Automatic welding of the shell by a robot. - Testing with a test pressure of 10 atmospheres. - Ultrasonic testing.
The design of the subframe	The subframe is made of a rectangular section of 120×80×5 mm in the form of a solid welded structure.
Design features	<ul style="list-style-type: none"> - Lodges are embedded in the subframe, made in the form of an all-round structure with a minimum number of welds. - Reinforced mounting of the beds to the subframe with an increased contact area to give additional rigidity and strength to the entire structure. - Rubber seals between the tank and the lodges. - Lining armor plate on the shell of the tank at the place where it is adjacent to the bed, to protect the shell from abrasion.
Inscriptions	FLAMMABLE-on the left, right sides, on the rear bottom

Installed pumps specification

Characteristic	PNR-122	LC-420	LC-580	PR-150	DL-180/250/300
Delivery volume, m3/h	730	720	980	900	1050/1500/1800

Tanker vacuum equipment

Pump drive	from COM /from DOM/ hydraulical drive /drive shaft
Delivery-suction hoses	4 pcs., DU 100 mm, length 3 meters with BRS Camlock 4"
Cases for hoses packaging	Metal cases at both sides of tanker
Vacuum unit protecting components	The first shutdown valve in a filler pipe, the second shutdown valve in a receiver, vacuum valve (-0,8 kg/cm ²), pressure relief valve (0,4 kg/cm ²), max level sensor MS DUG11-N-10 with chassis engine cut-off.

KAMAZ-53605 chassis specification

Model	
Additional equipment	power take-off box (COM)
Engine	
Model	Cummins ISB6.7E5 300
Maximum net torque, Nm	1087
at crankshaft rotation speed, rpm	1300
Maximum net horsepower, kW (h. p.)	215 (300)
at crankshaft rotation speed, rpm	2500
Engine displacement, L	6.7
Cylinder arrangement and number	row, 6
Ratio	17.3
Type	turbocharged diesel
Cab	

Configuration	day-cab
Type	located above the engine, with a high or low roof (depending on the configuration)
Wheels and tyres	
Rim size	7.5-20 or 7.5-22.5 or 8.25-22.5 (depending on specification)
Tyre size	10.00 R16 or 11.00 R16 or 11.00 R16 (depending on specification)
Wheel type	disk wheels
Tyre type	pneumatic, tubeless
Transmission	
Model	ZF 951310
Type	mechanical
Control	mechanical, remote control
Number of gears	9
Release and neutralization system	
Tank capacity with a neutralizing liquid	35
Type	Silencer combined with catalytic Converter
Fuel system	
Fuel tank capacity, L	350 or 210 (depending on specification)
Clutch	
Actuation	hydraulic, with pneumatic booster
Type	diaphragm, single-disk, mod. ZF&SACHS MFZ 430
Brakers	
Drive	pneumatic
Dimensions: drum Ø, mm	420
Brake lining width, mm	180
Characteristic of gvw vehicle	
Outer turning radius between walls, m.	8
Maximum speed, no less, km/h	90
Wheel arrangement	4x2
Climbing angle, no less, %	25 (14°)
Electrical equipment	
Batteries, V/A hour	2x12/190
Generator, V/W	28/2000
Voltage, V	24

Подробное описание

Cesspool emptying machine are designed for wastewater gathering, dewatering, transportation for recycling, and also for filling, transportation and discharging of any process liquids.

AKNS-8 (+1) may be performed for all climate zones, with opening bottom or not. The machinery is designed for operation at the general road network of 1-3 categories (according to Russian construction rules and regulations SNiP 11-D5).

The flammable version of the tanker allows the machine to work directly on oil fields, collect oil sludge and gas condensate.

Tanker component parts:

- cistern (circle cross-section, steel grade 09G2S),
- vacuum pump (PNR-122, LC-420, LC-580, PR-150, DL-180/250),
- electrical equipment,
- measuring means (pressure-vacuum gauge.

Performance:

- Belt fixation of cistern.

- Quick-release process hatch for tank cleaning.
- Additional filler pipe.
- Heating of the footvalve with an IC-engine exhaust system.
- 4 types of workplace illumination around the vehicle.
- Instrument box on the rear chassis frame.

Cesspool emptying machine specifications

ACNS-8 (+1) is a cistern installed on “KAMAZ” chassis.

Vacuum cistern – is a circular cross-section tanker, a welded construction of two bottoms and drum shell.

On the top of a tanker there is a filler pipe with a closed filler cap. On a cap there are relief valve, vacuum valve and a tap for air exhausting while creating pressure or underpressure. Pressure-relief valve on the filler cap controls pressure limit in the tanker. Vacuum valve includes a cap, a case and a valve. It controls vacuum limits. At the back bottom of the tanker there is a filler flap for liquids filling and outflow. The filler flap is tightly closed with a cap, on which there is a tap and delivery flap with cover plug.

There is an operating platform with ladder for convenient filler pipe maintenance.

The tanker is equipped with delivery-suction hose, which is packed in transportation case. Nominal voltage in the equipment network is 24 V, DC is provided by the automobile.

Security facilities:

- Chassis exhaust silencer is placed according to chassis configuration.
- Fuel reservoir protection - according to chassis configuration.
- Grounding system — 1 pcs. (ground circuit on a rear protection).
- First aid kit — 1 pcs.
- Wheel blocks — 2 pcs. With brackets (ADR (rus. ДОПОГ) 8.1.5.2).
- Rear protection — 1 pcs. (GOST R 41.58).

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