

# Gasoline tankers for light oil products AC-16 KAMAZ-65111

от 0 р



## Варианты комплектации

## Полные характеристики

## Tanker specifications

<b>Capacity, cubic meter</b>	16
<b>Max liquid density, tonn/cubic meter</b>	0,83
<b>Cross-section form</b>	Suitcase (rus. "chemodan")
<b>Number of sections</b>	1-3
<b>Steel grade</b>	09G2S (09Г2С) (low-alloy steel with a minimum thickness of 4 mm)
<b>Side framing</b>	External frame
<b>Tanker and subframe fixation</b>	With metal fixing straps

<b>Subframe and chassis framework fixation</b>	With metal ladders with spring tabs. Between subframe and chassis framework there is a rubber damper pad.
<b>Bottom valve</b>	VO-100
<b>Relief valve</b>	UD-2-80

## Installed pumps specification

Characteristic	SCL-00A (CЦЛ-00A)	SVN-80 (CBH-80)
<b>Pump capacity, cubic meter per hour</b>	21,6	35
<b>Pump head, meter</b>	30	26
<b>Pump power, kW</b>	5,5	6,5
<b>Nominal speed, rpm</b>	1450	1450
<b>Pump efficiency, %</b>	35	38
<b>Self-suction lift, m</b>	4,5	6,5
<b>Mass, kg</b>	62	17,6

## Pumping unit

<b>Pump drive type</b>	Hydraulic drive
<b>Delivery-suction hoses</b>	2 pcs. - DN 75 mm, length 6 meters, with a quick disconnect joint Camlock 3" (hose standard according to GOST 5398-76)
<b>Method of hoses packaging</b>	Galvanized steel cases at both sides of tanker
<b>Out valve</b>	Butterfly-type valve, DN 80

## Fuel dispensing unit

<b>Position of fuel dispensing unit</b>	Side-on or back
<b>Number of fuel dispensing units</b>	1
<b>Flow meter</b>	PPO-25-1, 6SU; accuracy class 0,5 - 1 pc.
<b>Fueling nozzle</b>	OPW-16 - 1 pc.
<b>Antistatic hose</b>	RTK-25×0,25 MPas, length 4,75 m, disposable hose packaging

## KAMAZ-65111 chassis specification

Model	
Auxiliary equipment	Power take off (PTO), Towing hitch (depending on specification)
Brakers	
Brake lining width, mm	140
Dimensions: drum Ø, mm	400
Drive	pneumatic
Cab	
Configuration	day-cab

Type	high or low roof, over the engine (depends on truck configuration)
<b>Characteristic of gvw vehicle</b>	
Climbing angle, no less, %	18 (10°)
Maximum speed, no less, km/h	80
Outer turning radius between walls, m.	11,3
<b>Clutch</b>	
Actuation	hydraulic, with pneumatic booster
Type	diaphragm, single-disk, mod. ZF&SACHS MF 430
<b>Electrical equipment</b>	
Batteries, V/A hour	2×12/190
Generator, V/W	28/3000
Voltage, V	24
<b>Engine</b>	
Cylinder arrangement and number	V-shaped, 8
Cylinder Ø and piston stroke, mm	120/130
Degree of compression	17,9
Engine displacement, L	11,76
Fuel feed system	Common Rail
Maximum net horsepower, kW (h. p.)	206 (280)
at crankshaft rotation speed, rpm	1900
Maximum net torque, Nm (kgfm)	1177 (120)
at crankshaft rotation speed, rpm	1300
Model	740.662-280
Type	turbocharged diesel, with aftercooling
<b>Final drive</b>	
Ratio	4,98 or 5,43 (depending on specification)
<b>Transfer case</b>	
Control	pneumatic
Type	mechanical, two-speed with interlocking differential
<b>Fuel system</b>	
Fuel tank capacity, L	210 or 210+210 or 210+350 (depending on specification)
<b>Transmission</b>	
Control	mechanical, remote control

Gear ratios	мод. ZF 9S1310: 1-9,48; 2-6,58; 3-4,68; 4-3,48; 5-2,62; 6-1,89; 7-1,35; 8-1,00; 9-0,75; 3X-8,97 мод. KAMAZ-154: 1-7,82-6,38; 2-4,03-3,29; 3-2,50-2,04; 4-1,53-1,25; 5-1,000-0,815; 3X-7,38-6,02
Number of gears	9
<b>Weight characteristics and loads</b>	
Chassis curb weight, kg	8625/*8275/**8925 (depending on specification)
Front axle load, kg	4475/*4275/**4565
Rear axle load, kg	4150/*4000/**4360
Gross combination weight, kg	38200
Gross trailer weight, kg	13000
Gross vehicle weight, kg	25200
Rear trailer bogie load, kg	19000
Front axle load, kg	6200
Permissible mass of superstructure with load, kg	16575/*16925/**16275 (depending on specification)
<b>Wheels and tyres</b>	
Rim size	7,5-20 or 8,25-22,5 (7,5-22,5) (depending on specification)
Tyre size	11.00 R20 or 11.00 R22,5 (depending on specification)
Tyre type	pneumatic, tube or tubeless-type (depends on truck configuration)
Wheel type	disk wheels

## Подробное описание

Gasoline tankers for light oil products AC-16 KAMAZ-65111 are designed for transportation and storage of light oil products. Maximum oil density is 0,83 ton per cubic meter. All tankers have calibration certificates and may be performed for all climate zones.

### Tanker component parts:

- cistern (suitcase (rus. "chemodan") cross-section, steel grade 09G2S),
- vacuum pump ( SCL-00A or SVN-80),
- fire-fighting equipment (extinguishers, sand boxes).

### Tanker specifications

A specialized vehicle includes a tanker installed on "KAMAZ" chassis.

Cistern – is a welded construction of two bottoms and drum shell.

Tanker's shell is made of carbon sheet steel 09G2S with reinforcement plates inside, which additionally serve as baffles. There is a filler pipe on the tanker. On the top of the tanker there is a manhole hatch (Ø 500 mm); at the bottom there is a sump and a flange for connection to the pump assembly. There are installed air bleeds to avoid air pockets when filling the tanker; they are made as tubes with the ends derived to the filler pipe.

There is a loading level indicator on a filler pipe made as a site glass.

On the manhole hatch there are installed valves for tankers' venting: pressure valve and safety-relief valve.

An operating platform with a non-slip perforated flooring is available on the tanker. A ladder is also pre- installed for comfortable lifting.

The tanker is installed on a frame mounted support which combines with chassis. The supports are attached to a metal cradle structure which is fixed on a mainframe with U-bolts. Under the supports in cradles there are metal ribs which protect from crushing. Under a frame support there are ribbon springs.

Electrical wiring is layed through metal hoses, all connections are encapsulated, equipment is performed in explosion-proof configuration.

The tanker is provided with a warning sign "Flammable". On the back side there is a ground circuit. 200 mm of it must contact the road surface.

Attention! While driving the tanker should be completely empty or full, since the movement of partially filled tanker can lead to overturning because of center-of-gravity shift.

### **Possible modifications for hazardous materials transportation:**

- orange color tanker with a sign "flammable",
- changing the location of muffler,
- arc-control device,
- shielded wiring,
- grounding reel,
- ground circuit,
- fuel tank protection,
- back-side protector,
- orange warning lights – 2 pcs.,
- fire extinguishers – 2 pcs.,
- sand boxes,
- felt box,
- light-reflecting marking,
- attachment for a class of hazard information sign.

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