

Bowers ATZ-20 KAMAZ-6522

от 0 р



Варианты комплектации

Полные характеристики

Tanker specifications

Capacity, cubic meter	20
Max liquid density, tonn/cubic meter	0,83
Cross-section form	Suitcase (rus. "chemodan")
Number of sections	1-3
Steel grade	09G2S (09Г2С) (low-alloy steel with a minimum thickness of 4 mm)
Side framing	External frame
Tanker and subframe fixation	With metal fixing straps
Subframe and chassis framework fixation	With metal ladders with spring tabs. Between subframe and chassis framework there is a rubber damper pad.

Installed pumps specification

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

Pumping unit

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

Fuel dispensing unit

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

KAMAZ-6522 chassis specification

Model	
Auxiliary equipment	Towing hitch, Power take off (PTO), Pre-heater (depending on specification)
Brakers	
Brake lining width, mm	180
Dimensions: drum Ø, mm	420
Drive	pneumatic
Cab	
Configuration	day-cab or sleeper cab (depends on truck configuration)
Suspension	pneumatic
Type	high roof, over the engine
Characteristic of gvw vehicle	
Climbing angle, no less, %	25 (14°)
Maximum speed, no less, km/h	80/90/100

Outer turning radius between walls, m.	11/11,5/12/12,5
Clutch	
Actuation	hydraulic, with pneumatic booster
Type	diaphragm, single-disk, mod. ZF&SACHS MF 430
Electrical equipment	
Batteries, V/A hour	2×12/190
Generator, V/W	28/3000
Voltage, V	24
Engine	
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.)	294 (400)
at crankshaft rotation speed, rpm	1900
Maximum net torque, Nm (kgfm)	1766 (180)
at crankshaft rotation speed, rpm	1250-1350
Model	740.632-400
Type	turbocharged diesel, with aftercooling
Final drive	
Ratio	5,11 or 5,143/6,88 (depending on specification)
Type	double, with central bevel gear and wheel planetaries
Transfer case	
Control	pneumatic
Type	mechanical, two-speed with interlocking differential
Fuel system	
Fuel tank capacity, L	500 or 550 or 350 (depending on specification)
Transmission	
Control	mechanical, remote control

Gear ratios	1-13,8-11,54; 2-9,49-7,93; 3-6,53-5,46; 4-4,57-3,82; 5-3,02-2,53; 6-2,08-1,74; 7-1,43-1,20; 8-1,00-0,84; 3X-12,92-10,80
Model	ZF 16S1820
Number of gears	8
Weight characteristics and loads	
Chassis curb weight, kg	10275/10525/10825/11025/11375/11400 (depending on specification)
Front axle load, kg	5100/5125/5345/5225/5700/5725
Rear axle load, kg>	5100/5150/5180/5300/5700/6150
Gross combination weight, kg	33500/30500/34000/33100
Rear trailer bogie load, kg	26000/23000/25600/26000
Front axle load, kg	7500/8000
Permissible mass of superstructure with load, kg	19025/22900/23100/22050/22750/22900 (depending on specification)
Wheels and tyres	
Rim size	8.5-20 or 11,25-20 (depending on specification)
Tyre size	12.00 R20 or 16.00 R20 (depending on specification)
Tyre type	pneumatic, tubed
Wheel type	disk wheels

Подробное описание

Bowsers ATZ are designed for transportation, short-term storage of light oil-products and fueling with a flow indication. 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),
- flow meter device,
- fire-fighting equipment (extinguishers, sand boxes).

Bowser 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 (ø500 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 the 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. 200mm of it must contact the road surface.

Flow meter device is placed in a command module. It includes:

- fine filters (filtration degree 25 micron),
- flow meter PPO 25-1, 6SU-02,
- fueling hose RTK-25 (DN 25, length 4,5 m),
- fueling nozzle RTK-20,
- manometers,
- ball valve DN 25.

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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