



Technical proposal

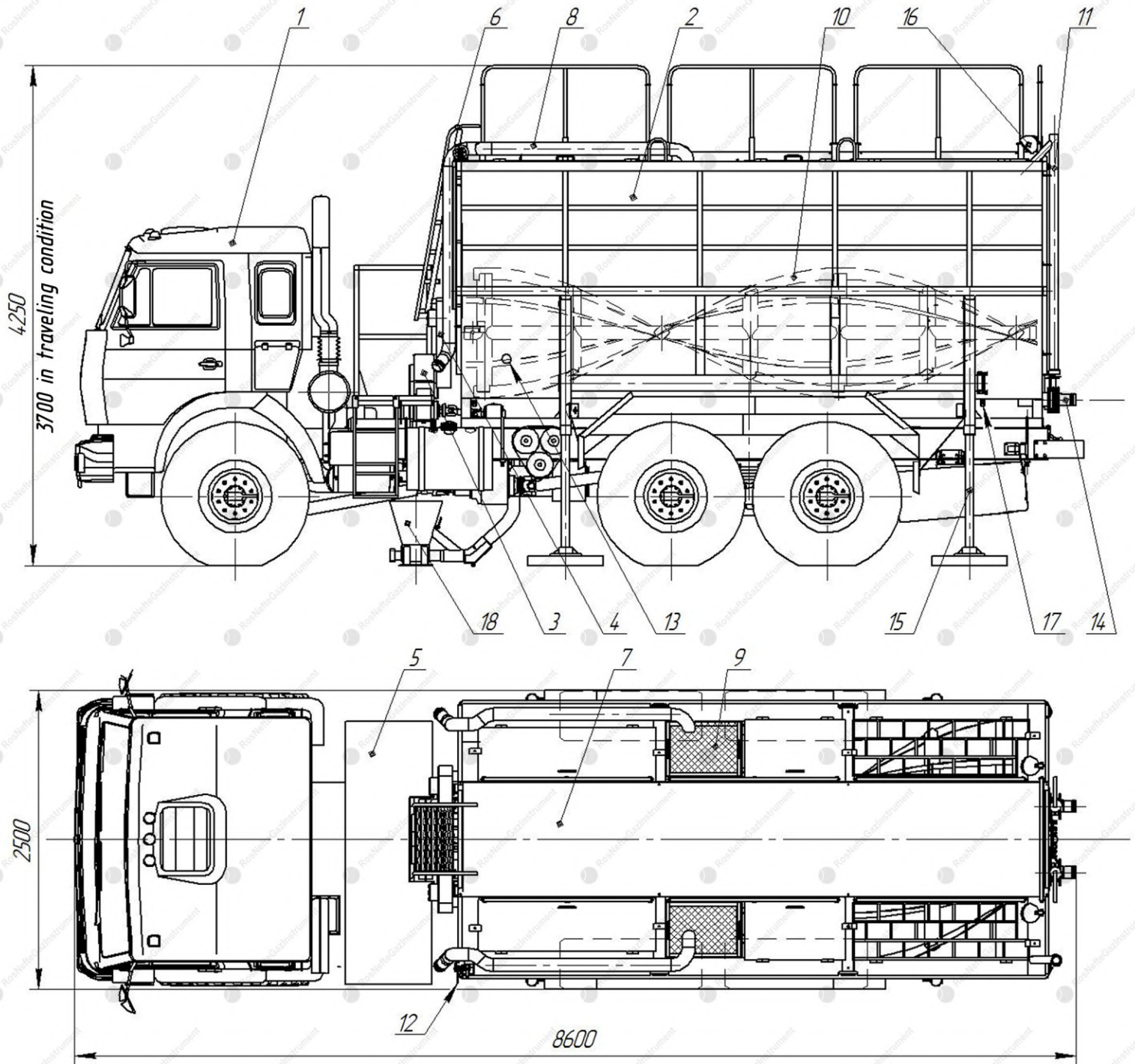
USO-20R1-02 The mixing-averaging unit

The mobile mixing and averaging unit is designed to stabilize the parameters of grouting (cement) mortars and other sand-liquid mixtures. Pumping of the grouting solution from the tank into the well is carried out by means of pumping units.

The mixing-averaging unit consist of:

1 - Chassis KAMAZ 43118; 2 – Bulk storage tank; 3 – Reducer; 4 – Chain gearing; 5 – Transition platform; 6 – Ladder; 7 – Servicing platform; 8 – Loading pipeline; 9 – Baskets; 10 – Stirrers; 11 – Hydraulic feeder; 12 – Slurry level indicator; 13 – Sampler; 14 - Unloading pup joint; 15 – Jacks; 16 – Interior space lights of the container; 17 – Steam supply fitting pipe; 18 – Hydro-pressure mixer.

Parameter name	USO-20R1-02
Tank volume, m ³	20
Accumulating slurry density up to, g/cm ³	2,5
Allowable fluctuation in slurry density, g/cm ³	0,01
Maximum feed of the original cementing slurry to the plant, dm ³ /s	50
Tilt angle of the tank, deg., min	0,5
Mixer specifications:	
- Functional principle;	Mechanical
- Type;	two-shaft auger-drill
- Rotation rate min, rpm	20-25
Unit dimension, mm, max	
- Length	8600
- Width	2500
- Height	3700
Hydraulic pressure mixer performance, dm ³ /s	25
Chassis:	
- Name	43118-3027-50
- Cargo Trip tank, tonnes	12
- Wheel arrangement	6x6
- Engine EURO-5	740.705-300 (E-5)
- ICE power, max, kW (hp)	220 (300)
- Gear box	154
- Tires	KAMA 425/85-R21
- Power take-off device, brand	Single-slope busbar
- Spare wheel bracket	MP24-4208010-60 On the rear overhang



Pic. 1 USO-20R1-02 The mixing-averaging unit.



Additional options.

Name	Required equipment
Truck sleeper	<input type="checkbox"/>
Plug-in spark killer	<input type="checkbox"/>
Tachograph	<input type="checkbox"/>
Omnicom Profi fuel consumption monitoring system (GPRS/GLONASS) with a calibration table. LLS sensors with calibration and wiring to the terminal.	<input type="checkbox"/>
12 ton Jack	<input type="checkbox"/>
Two powder fire extinguishers with a capacity of at least 6 kg each with mounting in the cabin	<input type="checkbox"/>
Hood cover	<input type="checkbox"/>
Window breaker in cabin and sling cutter	<input type="checkbox"/>
First-aid kit comply with the requirements Russian Federation regulation	<input type="checkbox"/>
A set of hand tools (recommended list: cylinder key, tire iron L-850 mm D-22 mm, sledgehammer 3-5 kg, hammer, pliers, screwdriver "+" and "-", chisel for bodywork, wheel hub nut key, horn or combination keys from 8 to 32 mm, portable lamp)	<input type="checkbox"/>
Set of spare lamps and fuses	<input type="checkbox"/>
Dual-camera DVR with 32GB memory card	<input type="checkbox"/>
Climatic category GOST 15150-69, boreal climate, work -45...+40°C, storing upto - 60 °C.	<input type="checkbox"/>
Insulated version of the battery compartment and cabin	<input type="checkbox"/>
Cabin air heater «Planar» 4D-24	<input type="checkbox"/>
Painting in the company color (specify): _____	
Application of a corporate logo (specify): _____	