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RosNefteGazInstrument

BULK CEMENT TRUCK

ACV-26R3

TECHNICAL PROPOSAL



ACV17.COM



BULK CEMENT TRUCK ACV-26R3



BULK CEMENT TRUCK ACV-26R3 is designed for bulk transportation of cement or other dry bulk materials.

Technical characteristics

Tank volume, m ³	26 m ³ (one cavity - basic version) or 2x13m ³ (by agreement with the client)
Tank material, steel grade	09Г2С
Tank wall thickness, mm, min.	6
Working pressure in the tank vessel, MPa	0.2
Test pressure, MPa	0.23
Air-lift unloading performance, t/min (m ³ /min)	1.1 (10)
Unladen weight, kg	10000
Cargo capacity, kg	30 000
Full weight, kg	40000
Full weight distribution, kg	
- On the fifth-wheel coupling, max.	16000
- On the rear truck, max.	24000
Suspension	Dependent on longitudinal elastic arms and by pneumatic elastic elements and telescopic hydraulic shock absorbers
Tyres (size)	385/65 R22.5
Wheels	11.75 x 22.5, single-slope disk wheels
Brake system:	
- Operational	- with a pneumatic two-wire drive, an automatic brake force controller and an anti-lock braking system acting on the drum brake gears
- Parking	- mechanical drive with spring energy accumulators and a pneumatic manual control valve
- Alarm	- mechanical drive with spring energy accumulators to the wheel brake gears
Loading method	Through the upper hatch by means of the bulk material own weight and through the filling lines
Unloading method	Through the unloading unit located on the left as viewed in the direction of tank vessel motion.



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TECHNICAL CHARACTERISTICS

Connection type	
Loading and unloading pipeline	- CamLock "papa" 4"
- Pressure line pipeline	- CamLock "papa" 2"
Coupling pin type as per GOST 12017-81, mm	50.8
Drive:	
- Hydraulic motor 310.4.56.00.03 or the equivalent	Transmitted capacity up to 66 kW
- DVS	Transmitted capacity up to 44 kW
Compressor:	
- Brand	KM-12-2P1
- Productivity, m ³ /min, at minimum	12
- Pressure, MPa	0.2

BULK CEMENT TRUCK CONSISTS OF:

1 - Axe	8 - Safety valve
2 - Tank vessel (two-unit)	9 - Spotlight
3 - hatch	10 - Hand railings
4 - Site	11 - Bearing
5 - Filling line	12 - Ladder
6 - Unloading line	13 - Compressor unit with hydraulic drive and air filter
7 - Control pod	

Also the product includes: aerating devices (vibrating carpets), unloading and loading sleeves Ду 100mm with camlocks, a spare wheel, control panel, safety valve, and manometers.

The compressor drive may be effected out from the internal combustion engine through a belt drive, or from the hydraulic motor connected to a high-pressure hydraulic pump mounted on the chassis.

The compressor rotation speed is controlled by regulating the chassis engine rotation speed of the and/or by adjusting the volume of the hydraulic motor operational cavity.

The cement truck is equipped with the function of vacuum pumping the dry blend from one section to another, to ensure high-quality mixing of cement and additives; the adjustment is carried out in manual mode.

Kamaz 53504-46 tractor is used as a chassis (not included in the cost of CP)



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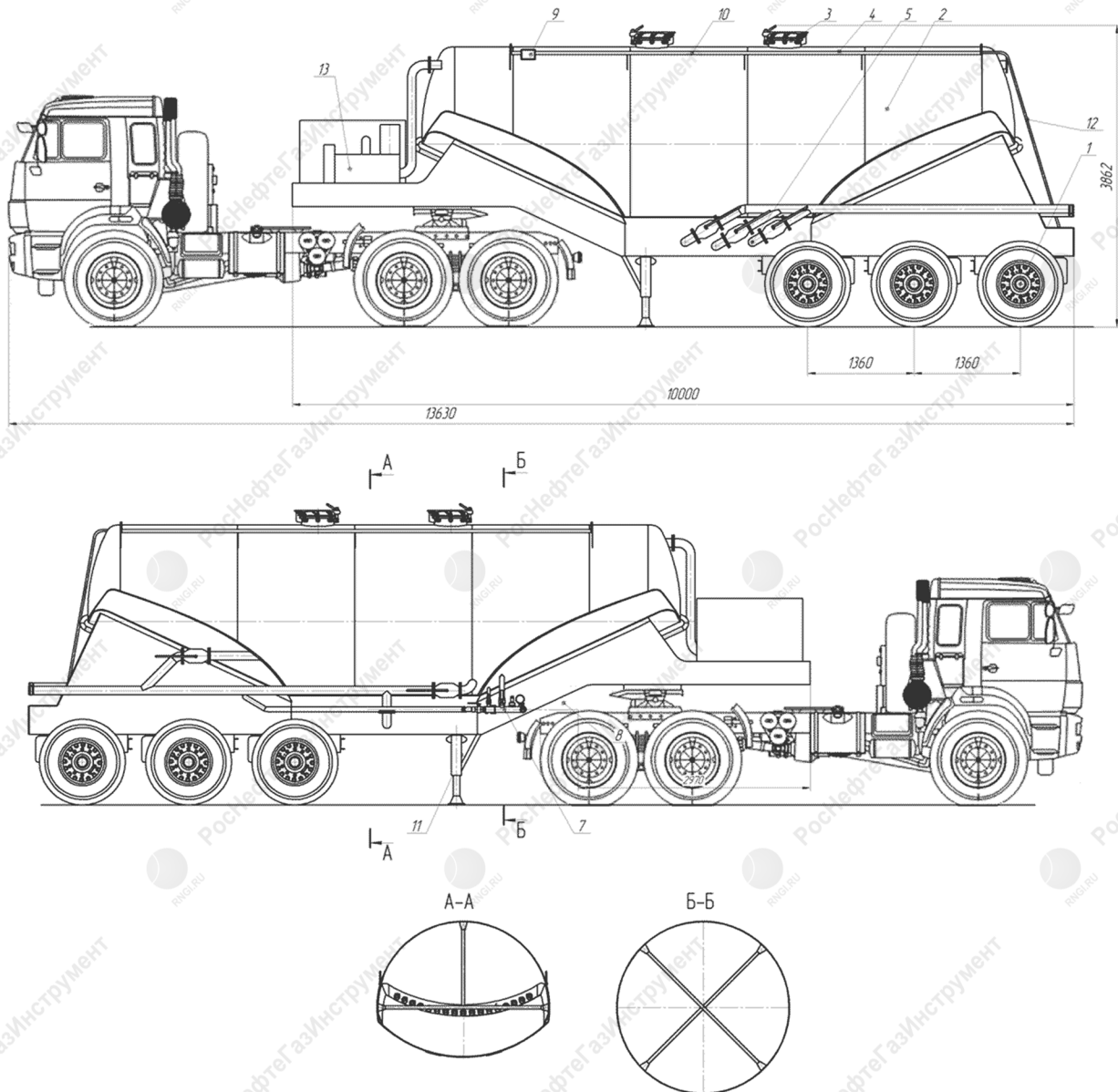


Fig. 1 - Bulk cement truck ACV-26R3.