



**URAL PLANT**  
OF SPECIAL EQUIPMENT



PRODUCTION AND SUPPLY OF AUTOMOTIVE AND TRAILER EQUIPMENT





The Ural Plant of special equipment has been working in the industrial market of Russia, CIS countries and neighboring countries for over 10 years and is the official partner of Ural, Kamaz, Maz, GAZ. The plant has established itself as a reliable supplier of high quality products and today is a highly efficient, dynamic and promising manufacturer.

For many years, we have been successfully cooperating with our regular customers and partners, major oil and industrial companies:

For many years, we have been successfully cooperating with our regular customers and partners - major oil and industrial companies: OJSC Rosneft, OJSC Surgutneftegaz, OJSC Tatneft, OJSC Slavneft, OJSC Transneft, Kazmunaygas LLP, CJSC Intergas Central Asia, OJSC Rusneft, OJSC Bashneft, OJSC Gazprom, LLC Eriel Neftegazservis, NHC Uzbekneftegaz, OJSC Lukoil, etc.

The production areas of the Ural Special Equipment Plant are located in Miass, Chelyabinsk Region, where special equipment of a wide range of applications is manufactured and developed. The workshops are equipped with modern equipment: sheet bending and turning machines, harvesting, welding complexes, shot blasting and zinc equipment, plasma cutting, paint-drying chambers - all products are painted on high-tech equipment with modern enamels and with strict adherence to all painting and drying processes. The new and modern equipment allows to provide automation of processes that increases productivity and quality of the let-out equipment. Materials and components of leading manufacturers are used in the production process. The most important stage of production is the technical quality control of each unit of equipment.



We strive to be the first in everything. We are assisted by leading specialists, experienced team of designers and engineers. The plant has all necessary licenses and certificates that give the right to design, develop, manufacture, installation, repair and maintenance of the equipment. Production capacities of the plant and the developing network of regional offices allow to carry out guarantee and post-guarantee maintenance in full, and also to carry out expeditious delivery of components of the equipment and spare parts. Production takes into account the wishes and preferences of the most demanding customers, which helps the development and improvement of the product. Today, the Ural Special Equipment Plant produces more than 120 models of special equipment that meet all requirements - these are tank trucks, vans, trailers, special equipment with a Crane-manipulator unit, oilfield special equipment, as well as special equipment being developed and manufactured for individual orders, in accordance with all permissive rules. In our warehouse the product range is more than 300 units. special machinery. In a competitive environment, the Ural Special Equipment Plant is committed to high achievements, using modern methods and means of management and the development of new directions.

**Our factory today:**

- The latest technology, modern equipment and components that meet the quality standard of a high technical level;
- Improved engineering designs used in harsh environments;
- Highly qualified specialists of the design department;
- Individual development of technical specifications and design for the most demanding customer, accompanied by permitting documentation and meeting modern requirements of operation;
- Own line for the production of Crane-manipulator units of the « ANT » series with a number of advantages in a competitive market.
- We take full responsibility for transportation and transportation of equipment to the destination of the customer.
- Favorable and loyal conditions for each client, reasonable price and quality that meets modern technology.

All these advantages make it possible to firmly maintain the position of the leader and compete with dignity, remaining confident and reliable supplier and manufacturer of special equipment.



We will be glad to see you among our regular partners.

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## CRANE-MANIPULATOR INSTALLATION «ANT»



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	АЦПТ 1,8-3,9	УЗСТ 6620-37	4x2 4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	GAZ 3309 GAZ 33098	 
	АЦПТ 1,8	УЗСТ 6620-38	4x4	148,9	2,7	ГАЗ 5ст.	-	105	GAZ 33088	
	АЦПТ 1,8-3,5	УЗСТ 6620-39	4x4	148,9	4,4	ГАЗ 5ст.	-	105	GAZ 33086	
	АЦПТ 1,8-3,7 АЦПТ 1,8-3,9	УЗСТ 6620-40	4x2	152,3 148,9	5,4 5,3	5ст.	-	105	GAZ C41R11 GAZ C41R13	
	АЦПТ 1,8-3,8			152,3 148,9 148,9	5 4,9 4,9	5ст.	-	105	GAZ C41R31 GAZ C41R33 GAZ C42R33	
	АЦПТ 1,8-3,9			149,6	4,9	5ст.	-	ГБО 72,8 м³	GAZ C41R16	
	АЦПТ 1,8-3,6			149,6	4,5	5ст.	-	ГБО 72,8 м³	GAZ C41R36 GAZ C42R36	
АЦПТ 1,8-4,8	УЗСТ 6620-41	4x2	168,9	6,1	5ст.	-	105	GAZ C41RB3		
URAL	АЦПТ 6,5-8	УЗСТ 6620-22	6x6, 1	230 275 275	6,9 7,3 7,3	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105	- - 1	300+180 300+180 300+210	Ural 4320-1112-61 Ural 4320-1112-73 Ural 4320-4512-81	
		УЗСТ 6620-24		6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105 ZF9	- - 1 1	210+180 210+180 210+210 210+210	Ural 5557-1112-60 Ural 5557-1112-72 Ural 5557-4512-80 Ural 5557-4512-82
		УЗСТ 6620-26			6x6, 1	275	12,5	ЯМЗ-1105	1	300
	АЦПТ 8-10	УЗСТ 6620-23	6x6, 1	230 275 275 275 312	12 12,5 12,5 12,5 12,5	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105 ЯМЗ-1105 ZF9	- - - 1 1	300+210 300+210 300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-70 Ural 4320-4951-80 Ural 4320-4972-80 Ural 4320-4972-82	
				УЗСТ 6620-19	6x6, 1	275 312 312	12,5 12,5 12,5	ЯМЗ-1105 ЯМЗ-1105 ZF9	- - -	300+210 300+210 300+210
		УЗСТ 6620-20	6x6, 1	275 275 312	12,5 12,5 12,5	ЯМЗ-1105 ЯМЗ-1105 ZF9	- - -	210+180 210+180 210+180	Ural 5557-6152-72Г38 Ural 5557-6152-72М28 Ural 5557-6152-74М28	
				УЗСТ 6620-25	6x6, 1	275 312	12,5 12,5	ЯМЗ-1105 ZF9	- -	210+210 210+210
	УЗСТ 6620-27	6x6, 1	275	12,5	ЯМЗ-1105	1	300	Ural 55571-4521-80		
	KAMAZ	АЦПТ 2,5-5,5	УЗСТ 6620-42	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66 (D5)
		АЦПТ 5,5	УЗСТ 6620-31	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66 (D5)
АЦПТ 6,5-10		УЗСТ 6620-31	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66 (D5)	
		УЗСТ 6620-29 УЗСТ 6620-30	6x6, 1	300	12,72 12,70 12,72 12,78	ZF9 154 154 ZF9	- - - 1	350+210 210 350+210 350+210	Kamaz 43118-3017-50 Kamaz 43118-3011-50 Kamaz 43118-3027-50 Kamaz 43118-3049-50	

**The complete set of ADC is presented in the form of a tank with a technological compartment for service with a pump unit placed in it and a system of technological pipelines with shut-off and regulating equipment.**

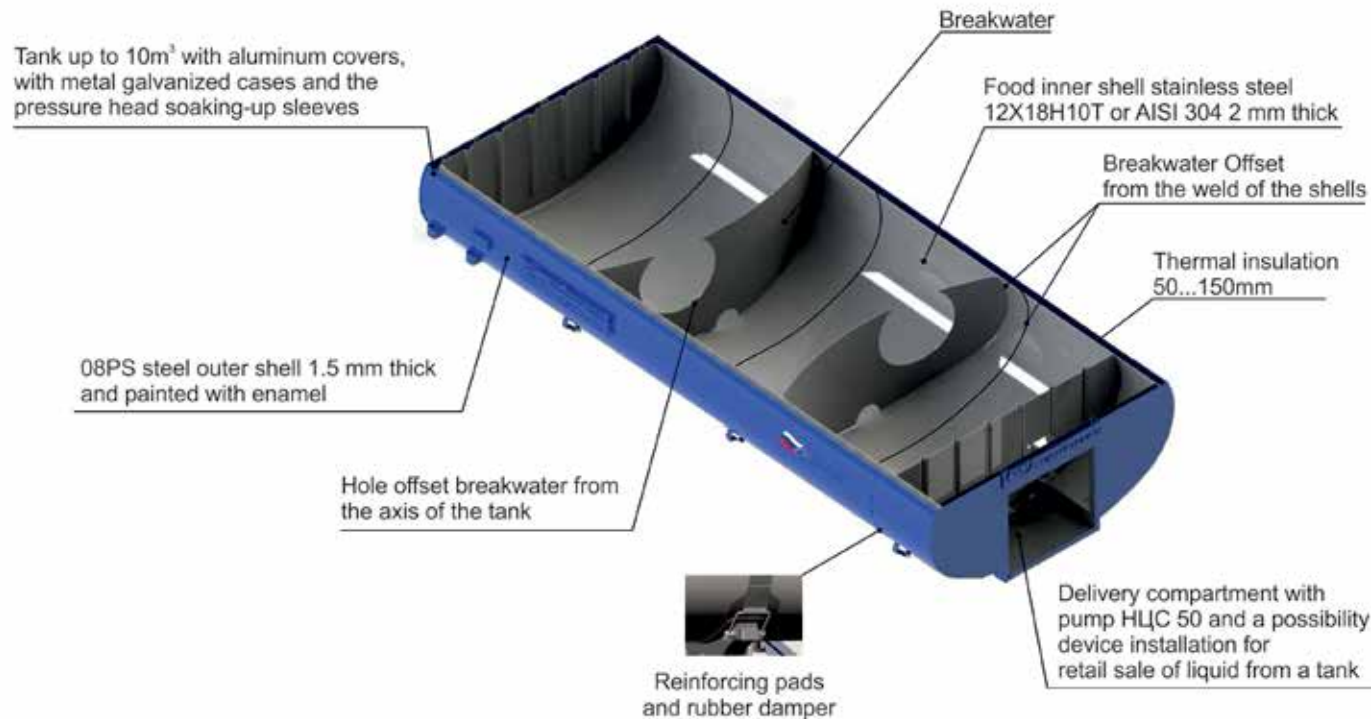
**Purpose:** - for transportation and short-term storage of food liquids with a density of not more than 1.03 g/cm<sup>3</sup> in the conditions intended for the products made according to category 1 GOST 15150-69 in climatic execution «At».

**The carried-out operations:** - filling and depletion of a tank the pump; - filling of a tank closed and top in the ways the foreign pump; - depletion of a tank spontaneously; - transfer by own pump between foreign tanks, passing the tank.

**Tank:** - the inner shell of the tank structure is made of food - grade stainless steel AISI 304, sheet thickness - 2 mm; - the outer shell of the tank is made of steel ST08PS, sheet thickness - 1.5 mm and painted with enamel; - Elastopor (polyurethane foam) is used as insulation; - structural connection of the tank with the frame using tie - bands; - filler neck is equipped with a ladder and observation deck with railings, has a hatch DN 500 mm polished stainless steel AISI 304; - UD-1-10 breathing valve; - canisters of circular cross-section for ukladki sleeves.

**The pump unit is presented in the form of a hydraulic circuit:** --- KOM --- NSH-32 --- control valve --- high pressure hoses --- hydraulic motor 310.2.28.06.00 --- pump NTs50- 7,1-20- 5 (flange version, without paws, 5.5 kW, 3000 rpm) Sleeves: - pressure head made of PVC in reinforced braid -DU50, 2 pcs. on 4 m, with laying in a case of round section.

## DESIGN FEATURES OF THE MODEL TANKERS FOR FOOD LIQUIDS



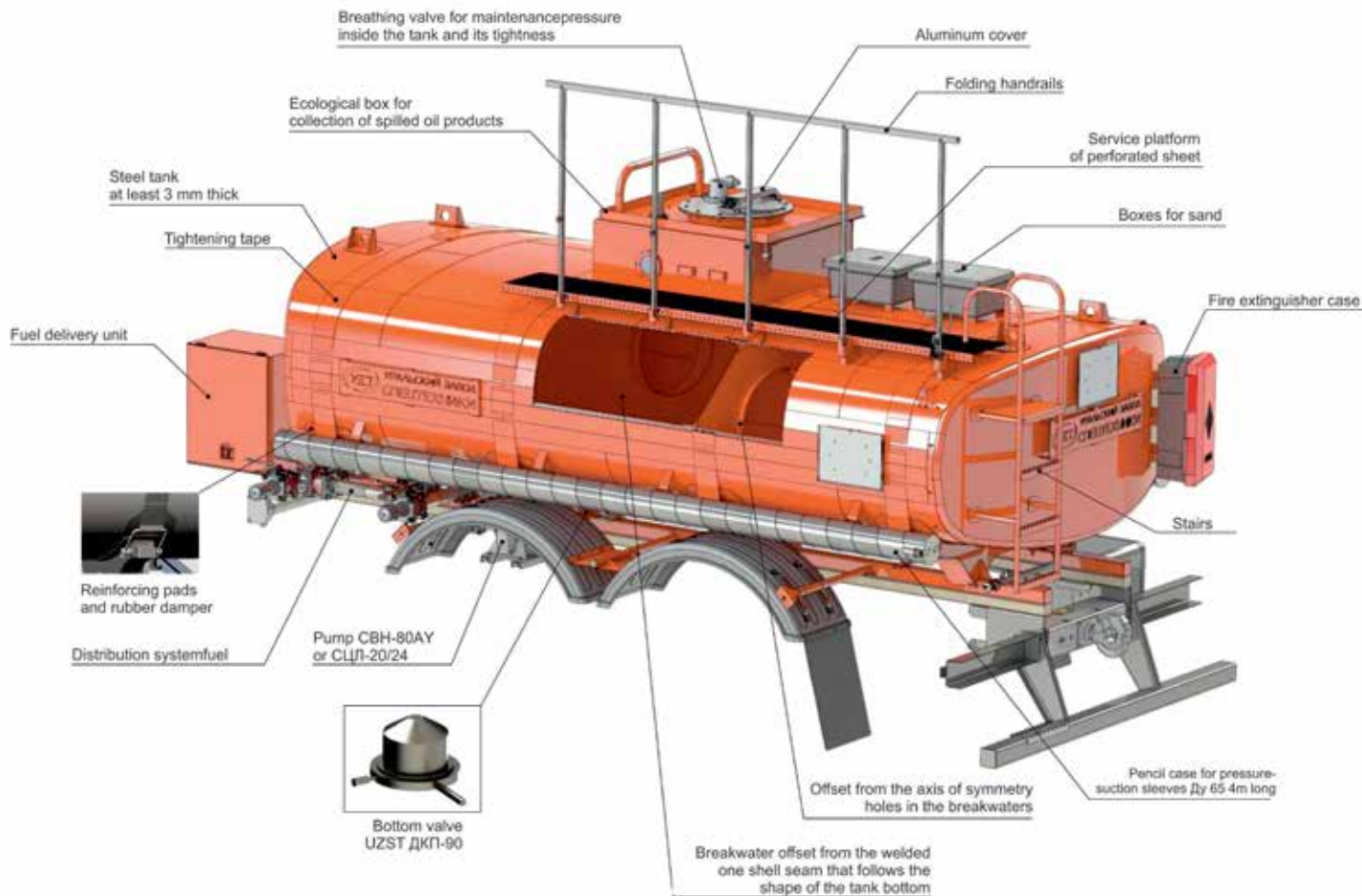
Food tankers ACPT for transportation and short-term storage of food liquids with a density of not more than 1.03 g / cm<sup>3</sup>, with the exception of alcohol-containing ones. It is used in conditions intended for products manufactured in categories 1 of GOST 15150-69 in the climatic modification «U».

Tankers for drinking water, food products have high sanitary and hygienic requirements. The water tank should be made of stainless steel or aluminum alloys.




Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	AT3 1,8-4,9	Y3CT 6619-74	4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	GAZ 3309 GAZ 33098	  
	AT3 1,8-2,4	Y3CT 6619-75	4x4	148,9	2,7	ГАЗ 5ст.	-	105	GAZ 33088	
	AT3 1,8-4,4	Y3CT 6619-76	4x4	148,9	4,4	ГАЗ 5ст.	-	105	GAZ 33086	
	AT3 1,8-4,5 AT3 1,8-4,9 AT3 1,8-4,6 AT3 1,8-4,7 AT3 1,8-4,5	Y3CT 6619-77	4x2	152,3 148,9 152,3 148,9 148,9	5,4 5,3 5 4,9 4,9	5 ст.	-	105	GAZ C41R11 GAZ C41R13 GAZ C41R31 GAZ C41R33 GAZ C42R33	
	AT3 1,8-4,9	Y3CT 6619-78	4x2	168,9	6,1	5 ст.	-	105	GAZ C41RB3	
	URAL	AT3 6,5	Y3CT 6619-57	6x6, 1	230 275 275	6,9 7,3 7,3	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105	- - 1	300+180 300+180 300+210	
AT3 7,5		Y3CT 6619-58	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105 ZF9	- - 1 1	210+180 210+180 210+210 210+210	Ural 5557-1112-60 Ural 5557-1112-72 Ural 5557-4512-80 Ural 5557-4512-82	
AT3 8-12		Y3CT 6619-54	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105 ZF9	- - 1 1	300+210 300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4972-80 Ural 4320-4972-82	
				275 312 275 312	12,5 12,5 12,5 12,5	ЯМЗ-1105 ЯМЗ-1205 ZF9	- - -	300+210 300+210 300+210	Ural 4320-6952-72F38 Ural 4320-6952-74F38A31 Ural 4320-6952-74F38	
AT3 8-12		Y3CT 6619-55	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105 ZF9	- - 1 1	210+180 210+180 210+210 210+210	Ural 5557-1112-60 Ural 5557-1112-72 Ural 5557-4512-80 Ural 5557-4512-82	
				275 312 275 312	12,5 12,5 12,5 12,5	ЯМЗ-1105 ЯМЗ-1105 ZF9	- - -	210+180 210+180 210+180	Ural 5557-6152-72F38 Ural 5557-6152-72M28	
KAMAZ	AT3 2,5-5,5	Y3CT 6619-79	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	<p><b>Tank:</b></p> <ul style="list-style-type: none"> <li>- made of steel 09G2S;</li> <li>- sheet thickness not less than - 3 mm;</li> <li>- constructive connection of the tank with the subframe with tie bands;</li> <li>- mountain staircase and observation deck with a railing;</li> <li>- bottom valve УЗСТ ДКП-90;</li> <li>- breathing valve;</li> <li>- pressure hose - suction DU-65 - 2 pcs. on 4 m, it is equipped with BRS;</li> <li>- canisters of round section for packing sleeves;</li> <li>- light-signal fittings; - stop valves;</li> <li>- the inscription «FIRE».</li> </ul> <p><b>Pump unit:</b></p> <ul style="list-style-type: none"> <li>- pump УЗСТ СБН-80AY;</li> <li>- pump drive-driveshaft;</li> <li>- line for fuel injection and discharge.</li> </ul> <p><b>Fuel-dispensing equipment:</b></p> <ul style="list-style-type: none"> <li>- counter PPO-20;</li> <li>- gun PKT-20-DU-25 hose (4,5 m)</li> <li>- manometers.</li> </ul> <p><b>Fire fighting equipment:</b></p> <ul style="list-style-type: none"> <li>- extinguisher OP-6 - 2 pieces packing into plastic containers;</li> <li>- sand box;</li> <li>- remote earth ground, the grounding circuit.</li> </ul>
	AT3 6,5 -8	Y3CT 6619-70	4x2	242	6,63	ZF6	-	210	Kamaz 4308-3013-69(G5)	
		Y3CT 6619-61	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	
	AT3 9-12	Y3CT 6619-60	6x6, 1	300	12,5 12,70 12,72	154 154	- -	350 350+210	Kamaz 43118-3938-50 Kamaz 43118-3011-50 Kamaz 43118-3027-50	
					12,84 12,78	ZF9 ZF9	- 1	350+210 350+210	Kamaz 43118-3017-50 Kamaz 43118-3049-50	
	AT3 11	Y3CT 6619-63	6x4, 2	280	14,65	ZF9	1	350	Kamaz 65115-3052-50	
			6x4, 2	280	14,65	ZF9	-	350	Kamaz 65115-3082-50	
	AT3 15-17	Y3CT 6619-62	6x6, 2	300	16,85	ZF9	-	210	Kamaz 65111-3960-50	
Y3CT 6619-64		6x4, 2	280	17,25	ZF9	-	350	Kamaz 65111-3081-50		
Y3CT 6619-68		6x6, 1	400	19,02	ZF16	1	550	Kamaz 65224-3971-53		
AT3 20-22	Y3CT 6619-65	6x4, 2	400	23,10	ZF16	-	350	Kamaz 6520-3072-53		
	Y3CT 6619-66	6x6, 2		22,75		-	350	Kamaz 6522-3010-53		
	Y3CT 6619-67	6x6, 1		23,10		-	350	Kamaz 6520-3072-53		
	Y3CT 6619-69	6x6, 2		22,05		1	550	Kamaz 65222-310-53		

DESIGN FEATURES OF THE TANKER



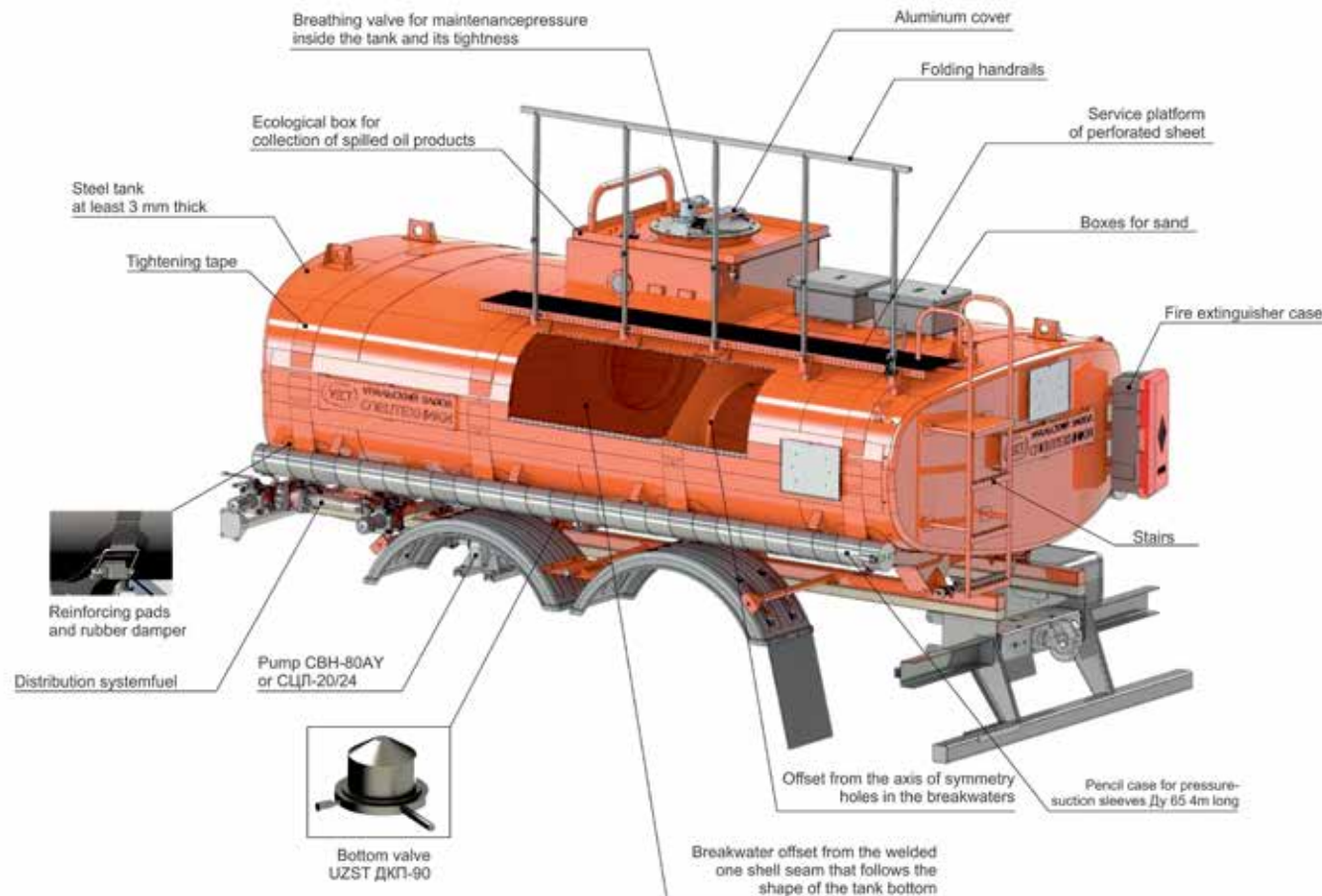
A tanker is designed for transportation and short-term storage of light petroleum products and equipment, while measuring the amount of emitted fuel (in accordance with the classification).



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment					
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model						
GAZ	АЦ 1,8-4,9	УЗСТ 6619А-29	4x2 4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	GAZ 3309 GAZ 33098						
	АЦ 1,8-2,4	УЗСТ 6619А-30	4x4	148,9	2,7	ГАЗ 5ст.	-	105	GAZ 33088						
	АЦ 1,8-4,4	УЗСТ 6619А-31	4x4	148,9	4,4	ГАЗ 5ст.	-	105	GAZ 33086						
	АЦ 1,8-4,5 АЦ 1,8-4,9 АЦ 1,8-4,6 АЦ 1,8-4,7 АЦ 1,8-4,5	УЗСТ 6619А-32	4x2	152,3 148,9	5,4 5,3	5 ст.	-	105	GAZ C41R11 GAZ C41R13 GAZ C41R31 GAZ C41R33 GAZ C42R33						
	АЦ 1,8-4,9			УЗСТ 6619А-33	4x2				168,9		6,1	5 ст.	-	105	GAZ C41RB3
	URAL			АЦ 6,5	УЗСТ 6619А-16				6x6, 1		230	6,9	ЯМЗ-2361	-	300+180
275										7,4	ЯМЗ-1105	-	300+180	Ural 4320-1112-73	
275										7,3	ЯМЗ-1105	1	300+210	Ural 4320-4512-81	
АЦ 7,5-9		УЗСТ 6619А-18	6x6, 1	230	12	ЯМЗ-2361	-	210+180	Ural 5557-1112-60						
				275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-1112-72						
				275	12,5	ЯМЗ-1105	1	210+210	Ural 5557-4512-80						
АЦ 10-12	УЗСТ 6619А-20	6x6, 1	312	12,5	ZF9	1	210+210	Ural 5557-4512-82							
			230 275 275 312	УЗСТ 6619А-20	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60				
						275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72				
275	12,5	ЯМЗ-1105				1	300+210	Ural 4320-4972-80							
KAMAZ	АЦ 2,5-5,5	УЗСТ 6619А-34	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	<p><b>Equipment is presented in the form of a tank with a pump unit:</b></p> <p><b>Tank:</b></p> <ul style="list-style-type: none"> <li>- made of steel 09G2S; - sheet thickness not less than - 3 mm; - it is a constructive connection; - filler neck with ladder and platform; - bottom valve UZST ДКП-90; - breathing valve; Sleeve pressurisation ДУ-65-2 pcs. 4m, equipped with BRS; - circular crosssection pencil cases for laying sleeves; - light-signal fittings; -shut-off valves; - the inscription «FIRE».</li> </ul> <p><b>Pump unit:</b></p> <ul style="list-style-type: none"> <li>- pump UZST CBH-80AY; - pump drive - from the engine; - line for injection and draining of fuel.</li> </ul> <p><b>Fire fighting equipment:</b></p> <ul style="list-style-type: none"> <li>- extinguisher OP-6 - 2 pieces packing into plastic containers; - sand box; - remote earth ground; -the ground circuit.</li> </ul>					
				АЦ 6,5-7,5	УЗСТ 6619А-23	6x6, 1	285	7,64	ZF9		-	210+210	Kamaz 5350-3054-66 (D5)		
	АЦ 10-11	УЗСТ 6619А-24	6x6, 1	300	12,5	ZF9	-	350	Kamaz 43118-3938-50						
				300	12,70	154	-	210	Kamaz 43118-3011-50						
				300	12,72	154	-	350+210	Kamaz 43118-3027-50						
				300	12,84	ZF9	-	350+210	Kamaz 43118-3017-50						
	АЦ 11,5-12	УЗСТ 6619А-25	6x4, 2	300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50						
				280	14,65	ZF9	1	350	Kamaz 65115-3052-50						
				280	14,65	ZF9	-	350	Kamaz 65115-3082-50						
280				УЗСТ 6619А-24	6x6, 1	13	12,70	ZF9	-	350	Kamaz 43118-3938-50				
						12,72	154	-	210	Kamaz 43118-3011-50					
12,84	ZF9	-	350+210	Kamaz 43118-3027-50											
12,78	ZF9	1	350+210	Kamaz 43118-3017-50											
12,78	ZF9	1	350+210	Kamaz 43118-3049-50											





## DESIGN FEATURES OF THE TANKER



Tankers are designed for transporting liquefied gases, petroleum products, food-grade liquids, etc. The type of cargo determines the equipment of the tanker. Each automobile tank has a pump that provides loading and unloading of liquid cargo. Additional equipment of tankers for oil products can be breakwaters, breathing valves, filters, fire-fighting equipment, liquid volume markers. Tanks that are intended for food-grade liquids provide for convenient washing and disinfection to ensure compliance with sanitary standards.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	АЦН 1,8-4,2	УЗСТ 6619Н-23	4x2	125,3	5	ГАЗ 5ст.	-	105	GAZ 3309	 
			4x2	148,9	5	ГАЗ 5ст.	-	105	GAZ 33098	
	АЦН 1,8-2	УЗСТ 6619Н-24	4x4	148,9	2,7	ГАЗ 5ст.	-	105	GAZ 33088	
	АЦН 1,8-3,8	УЗСТ 6619Н-25	4x4	148,9	4,4	ГАЗ 5ст.	-	105	GAZ 33086	
	АЦН 1,8-3,9 АЦН 1,8-4,2 АЦН 1,8-4 АЦН 1,8-3,9	УЗСТ 6619Н-26	4x2	152,3	5,4	5 ст.	-	105	GAZ C41R11	
				148,9	5,3				GAZ C41R13	
АЦН 1,8-3,9			148,9	4,9				GAZ C41R33		
АЦН 1,8-3,9			148,9	4,9				GAZ C42R33		
АЦН 1,8-4,9	УЗСТ 6619Н-27	4x2	168,9	6,1	5 ст.	-	105	GAZ C41RB3		
URAL	АЦН 8-12	УЗСТ 6619Н-16	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60	
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72	
				275	12,5	ЯМЗ-1105	1	300+210	Ural 4320-4972-80	
				312	12,5	ZF9	1	300+210	Ural 4320-4972-82	
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-72Г38	
				312	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-74Г38А31	
				312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38	
				312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38	
		УЗСТ 6619Н-17	6x6, 1	230	12	ЯМЗ-2361	-	210+180	Ural 5557-1112-60	
				275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-1112-72	
				275	12,5	ЯМЗ-1105	1	210+210	Ural 5557-4512-80	
				312	12,5	ZF9	1	210+210	Ural 5557-4512-82	
				275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-6152-72Г38	
				312	12,5	ZF9	-	210+180	Ural 5557-6152-72M28	
АЦН 2,5-5	УЗСТ 6619Н-28	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)		
									АЦН 8-10	УЗСТ 6619Н-19
12,72	ZF9	-	350+210	Kamaz 43118-3017-50						
12,70	154	-	210	Kamaz 43118-3011-50						
12,72	154	-	350+210	Kamaz 43118-3027-50						
12,78	ZF9	1	350+210	Kamaz 43118-3049-50						
12,78	ZF9	1	350+210	Kamaz 43118-3049-50						

The equipment is presented in the form of a tank with a pumping unit:

**Tank:**

- made of steel 09G2S; - sheet thickness - 4 mm;  
 - constructive connection of the tank with the subframe; - staircase and observation deck with a railing; - pipes for heating from PPU; - breathing valve; - pressure hose - suction DU-75 - 2 pcs. 8m each; - light-signal fittings; - the inscription on the tank under the oil - «FIRE»

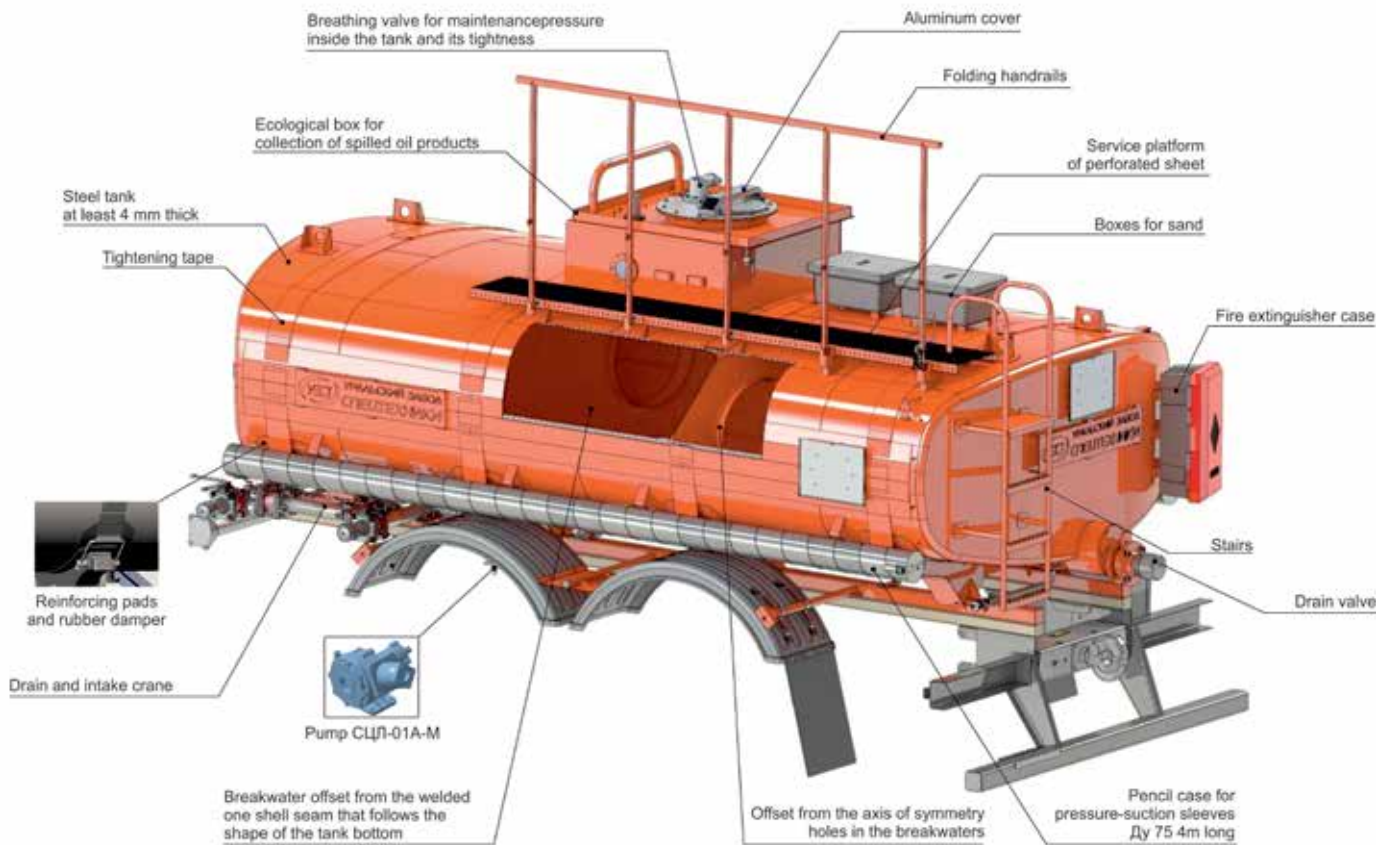
**Pump unit:**

- pump SCL-01A-M;  
 - pump drive: gimbal transmission.

**Fire-fighting equipment:**


- OP-6 fire extinguishers - 2 pcs. - box for sand;  
 - remote grounding;  
 - ground circuit.

## DESIGN FEATURES OIL FIELD TANK TRUCKS



Oilfield tankers are highly specialized vehicles designed for collecting and transporting oil, petroleum products and technical liquids of a non-aggressive type. For operation in cold climates, tanks are equipped with a liquid heating system. Tanks for oil transportation are equipped in accordance with the Rules for transporting dangerous goods by road: a spark arrestor, a ground coil, fuel tank protection and a rear anti-roll bar are installed, a silencer is moved forward, and a mounting is provided for an information plate of the hazard class.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	AЦB 1,8-4	Y3CT 6621-56	4x2	125,3	5	ГАЗ 5ст.	-	105	GAZ 3309	 <p><b>Tank equipment</b>  <b>Tank:</b>  - made of steel 09G2S;  - sheet thickness - 4 mm.;  - constructive connection of the tank with the subframe with tie bands; - filler neck equipped with a ladder and a viewing area with a railing;  - breathing valve; pressure suction hose DU-75 - 2 pcs. 6m each;  - canisters of round section for packing sleeves;  - light-signal fittings;  - the inscription on the tank - «Technical water».</p> <p><b>Pump unit:</b>  - pump SCL-01A-M;  - pump drive is a shaft drive.</p> <p><b>Fire-fighting equipment:</b>  - OP-6 fire extinguishers - 2 pcs. with stacking in plastic containers;  - box for sand;  - remote grounding;  - ground circuit.</p>
			4x2	148,9	5	ГАЗ 5ст.	-	105	GAZ 33098	
	AЦB 1,8-1,9	Y3CT 6621-57	4x4	148,9	2,7	ГАЗ 5ст.	-	105	GAZ 33088	
	AЦB 1,8-3,6	Y3CT 6621-58	4x4	148,9	4,4	ГАЗ 5ст.	-	105	GAZ 33086	
	AЦB 1,8-3,8 AЦB 1,8-4	Y3CT 6621-59	4x2	152,3	5,4	5 ст.	-	105	GAZ C41R11	
				148,9	5,3				GAZ C41R13	
	148,9			5	GAZ C41R31					
	149,6			4,9	GAZ C41R33					
AЦB 1,8-3,9			148,9	4,9			105	GAZ C42R33		
AЦB 1,8-4			149,6	4,9			ГБО 72,8 м³	GAZ C41R16		
AЦB 1,8-3,8 AЦB 1,8-4			149,6	4,5			ГБО 72,8 м³	GAZ C41R36		
AЦB 1,8-3,7			149,6	4,5			ГБО 72,8 м³	GAZ C42R36		
AЦB 1,8-4,9	Y3CT 6621-60	4x2	168,9	6,1	5 ст.	-	105	GAZ C41RB3		
KAMAZ	AЦB 2.5-5	Y3CT 6621-61	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	
	AЦB 5.5-6.5, 1.0 g/cm³ AЦB 5.5-5.8, 1.2 g/cm³	Y3CT 6621-44	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	
		Y3CT 6621-44								
	AЦB 6.5-8, 1.0 g/cm³	Y3CT 6621-41	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3049-46	
				300	12,70	154	-	210	Kamaz 43118-3059-46	
				300	12,72	154	-	350+210	Kamaz 43118-3085-46	
300				12,78	ZF9	1	350+210	Kamaz 43118-3066-42 Kamaz 43118-3067-42		
AЦB 6.5-9.0, 1.2 g/cm³	Y3CT 6621-43	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50		
			300	12,70	154	-	210	Kamaz 43118-3011-50		
			300	12,72	154	-	350+210	Kamaz 43118-3027-50		
			300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50		
AЦB 8.0-10, 1.0 g/cm³	Y3CT 6621-42	6x6, 1	300	12,5	ZF9	-	350	Kamaz 43118-3938-50		
			300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50		
			300	12,70	154	-	210	Kamaz 43118-3011-50		
			300	12,72	154	-	350+210	Kamaz 43118-3027-50		
			300	12,78	ZF9	1	350+210	Kamaz 43118-3027-50		

Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
URAL	АЦВ 5.5-6.5, 1.2 т/см <sup>3</sup>	УЗСТ 6621-35	6x6, 1-кат.	230	6,9	6,9	ЯМЗ-2361	-	300+180	Ural 4320-1112-61 Ural 4320-1112-73 Ural 4320-4512-81
				275	7,3		ЯМЗ-1105	-	300+180	
				275	7,3		ЯМЗ-1105	1	300+210	
	АЦВ 5.5-8.0, 1.2 т/см <sup>3</sup>	УЗСТ 6621-31	6x6, 1-кат.	230	6,9	12	ЯМЗ-2361	-	210+180	Ural 5557-1112-60 Ural 5557-1112-72 Ural 5557-4512-80 Ural 5557-4512-82
				275	7,3		ЯМЗ-1105	-	210+180	
				275	7,3		ЯМЗ-1105	1	210+210	
				312	7,3		ZF9	1	210+210	
	АЦВ 6.5-9.0, 1.2 т/см <sup>3</sup>	УЗСТ 6621-36	6x6, 1-кат.	230	12	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60 Ural 4320-1912-70 Ural 4320-4972-80 Ural 4320-4972-82
				275	12,5		ЯМЗ-1105	-	300+210	
				275	12,5		ЯМЗ-1105	1	300+210	
АЦВ 5.5-8.0, 1.2 т/см <sup>3</sup>	УЗСТ 6621-33	6x6, 1-кат.	230	12	13	ЯМЗ-2361	-	300+180	Ural 55571-1112-60 Ural 55571-1112-72 Ural 55571-4521-80	
			285	13		ЯМЗ-1105	-	300+180		
			285	13		ЯМЗ-1105	1	300+210		
			285	13		ЯМЗ-1105	1	300+210		
АЦВ 5.5-8.0, 1.2 т/см <sup>3</sup>	УЗСТ 6621-37	6x6, 1-кат.	230	12	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4972-80 Ural 4320-4972-82	
			275	12,5		ЯМЗ-1105	-	300+210		
			275	12,5		ЯМЗ-1105	1	300+210		
			312	12,5		ZF9	1	300+210		



### Tank equipment

#### Tank:


- made of steel 09G2S;
- sheet thickness - 4 mm.;
- constructive connection of the tank with the subframe with tie bands; - filler neck equipped with a ladder and a viewing area with a railing;
- breathing valve; pressure suction hose DU-75 - 2 pcs. 6m each;
- canisters of round section for packing sleeves;
- light-signal fittings;
- the inscription on the tank - «Technical water».

#### Pump unit:

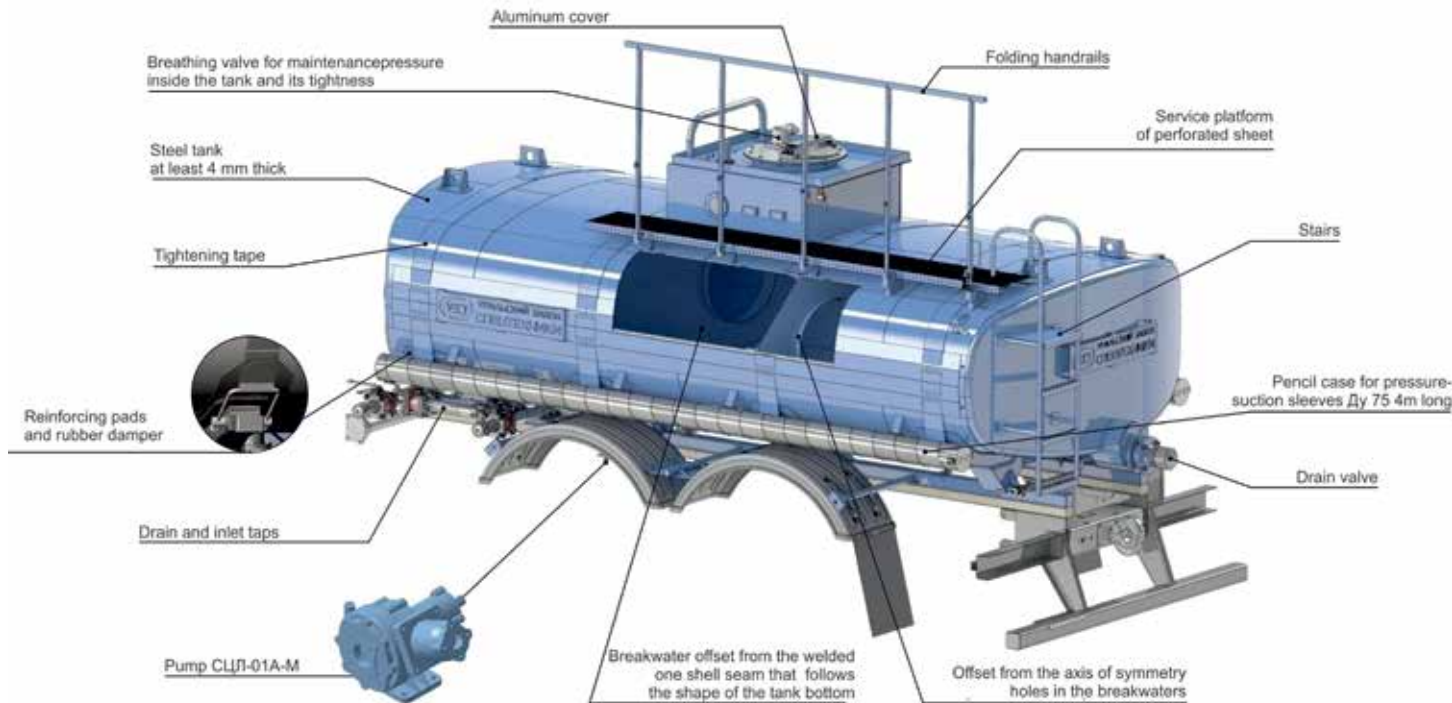
- pump SCL-01A-M;
- pump drive is a shaft drive.

#### Fire-fighting equipment:

- OP-6 fire extinguishers - 2 pcs. with stacking in plastic containers;
- box for sand;
- remote grounding;
- ground circuit.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
URAL	АЦВ 8.0-10, 1,0 g/cm <sup>3</sup>	УЗСТ 6621-30	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60	 <p><b>Tank equipment</b>  <b>Tank:</b>  - made of steel 09G2S;  - sheet thickness - 4 mm.;  - constructive connection of the tank with the subframe with tie bands; - filler neck equipped with a ladder and a viewing area with a railing;  - breathing valve; pressure suction hose DU-75 - 2 pcs. 6m each;  - canisters of round section for packing sleeves;  - light-signal fittings;  - the inscription on the tank - «Technical water».</p> <p><b>Pump unit:</b>  - pump SCL-01A-M;  - pump drive is a shaft drive.</p> <p><b>Fire-fighting equipment:</b>  - OP-6 fire extinguishers - 2 pcs. with stacking in plastic containers;  - box for sand;  - remote grounding;  - ground circuit.</p>
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72	
				275	12,5	ЯМЗ-1105	1	300+210	Ural 4320-4972-80	
		УЗСТ 6621-32	6x6, 1	230	12	ЯМЗ-2361	-	210+180	Ural 5557-1112-60	
				275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-1112-72	
				275	12,5	ЯМЗ-1105	1	210+210	Ural 5557-4512-80	
	УЗСТ 6621-34	6x6, 1	230	12	ЯМЗ-2361	-	300+180	Ural 55571-1112-60		
			275	12,5	ЯМЗ-1105	-	300+180	Ural 55571-1112-72		
			275	12,5	ЯМЗ-1105	1	300	Ural 55571-4512-80		
	АЦВ 8-10 1,2 g/cm <sup>3</sup>	УЗСТ 6621-24	6x6, 1	275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-72Г38	
				312	12,5	ЯМЗ-1205	-	300+210	Ural 4320-6952-74Г38А31	
				312	12,5	ZF9	-	300+210		
УЗСТ 6621-25		6x6, 1	275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-6152-72Г38		
			275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-6152-72М28		
			312	12,5	ZF9	-	210+180	Ural 4320-6952-74М28		
УЗСТ 6621-26	6x6, 1	275	12,5	ЯМЗ-1105	-	300+180	Ural 55571-6121-72Г38			
		312	12,5	ZF9	-	300+180	Ural 55571-6121-74Г38			
АЦВ 10-12 1,0 g/cm <sup>3</sup>	УЗСТ 6621-27	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60		
			275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72		
			275	12,5	ЯМЗ-1105	1	300+210	Ural 4320-4972-80		
			312	12,5	ZF9	1	300+210	Ural 4320-4972-82		
			275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-72Г38		
			312	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-74Г38А31		
	УЗСТ 6621-27	6x6, 1	230	12	ЯМЗ-2361	-	210+180	Ural 55571-1112-60		
			275	12,5	ЯМЗ-1105	-	210+180	Ural 55571-1112-72		
			275	12,5	ЯМЗ-1105	1	210+210	Ural 55571-4512-80		
			312	12,5	ZF9	1	210+210	Ural 5557-4512-82		
			275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-6152-72Г38		
			312	12,5	ZF9	-	210+180	Ural 5557-6152-72М28		

## DESIGN FEATURES TANKER TRUCKS FOR SERVICE WATER



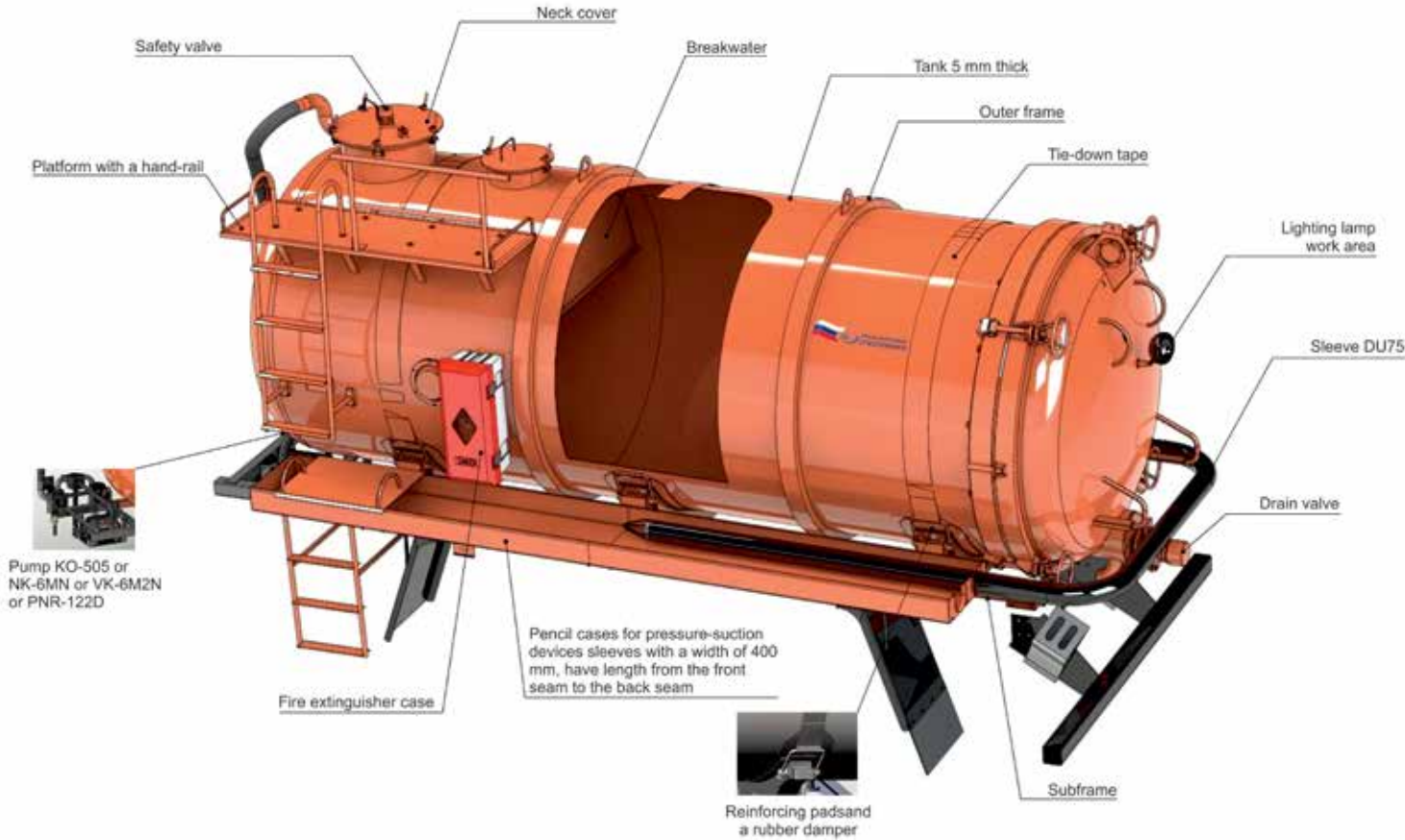
The tanker is designed for transporting non-aggressive process liquids (process water and salt liquids) with a specific density not exceeding 1.2 g/cm<sup>3</sup>.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	AKH 1,8-4,2	Y3CT 6619C-27	4x2 4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	GAZ 3309 GAZ 33098	 
	AKH 1,8-2	Y3CT 6619C-28	4x4	148,9	2,7	ГАЗ 5ст.	-	105	GAZ 33088	
	AKH 1,8-3,8	Y3CT 6619C-29	4x4	148,9	4,4	ГАЗ 5ст.	-	105	GAZ 33086	
	AKH 1,8-3,9 AKH 1,8-4,2	Y3CT 6619C-30	4x2	152,3 148,9	5,4	5 ст.	-	105	GAZ C41R11 GAZ C41R13	
	AKH 1,8-4			152,3 148,9	5 4,9				GAZ C41R31 GAZ C41R33	
	AKH 1,8-3,9			148,9	4,9				GAZ C42R33	
	AKH 1,8-4,7	Y3CT 6619C-30	4x2	168,9	6,1	5 ст.	-	105	GAZ C41RB3	
URAL	AKH 8-11	Y3CT 6619C-18	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60	
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72	
275	12,5			ЯМЗ-1105	1	300+210	Ural 4320-4972-80			
312	12,5			ZF9	1	300+210	Ural 4320-4972-82			
275	12,5			ЯМЗ-1105	-	300+210	Ural 4320-6952-72Г38			
312	12,5			ЯМЗ-1205	-	300+210	Ural 4320-6952-74Г38А31			
312	12,5			ZF9	-	300+210	Ural 4320-6952-74Г3			
		Y3CT 6619C-19	6x6, 1	275	12,5	ЯМЗ-536	1	210+210	Ural 5557-4512-80	
KAMAZ	AKH 2,5-4,9	Y3CT 6619C-32	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	<p><b>Vacuum pump KO -505A</b>  <b>Tanks:</b> - made of steel 09G2S; -bottom thickness-5 mm, the thickness of the tank sheet-5mm, frames - external, - the technological mouth is equipped with a ladder and a viewing platform with a railing, illuminated viewing window, headlight of illumination of the working area of the receiving crane, 400 mm pencil case width, light signal fittings, receiving crane DU 75, sleeve pressure - suction control DU 75 - 2 pcs. 6 m each, the sleeves are equipped with a quick-release connection, gas tank protection, transfer of muffler, wiring protection.  <b>Pump drive:</b>  - AKH-8-5557, AKH-8,9,10,11-4320, - 43118 - lower location through a cardan;  - AKH-9-5557, AKH-10-5557, AKH-11-5557 - «hydraulic».  <b>Fire fighting equipment:</b> - fire extinguishers OP-6 - 2 pieces packing into plastic containers;- sand box; - ground circuit.  <b>Additional options:</b>  - installing a vacuum pump HBP-8/5;  - installing a vacuum pump HK-6M2H, analog BK-6 M2H;  - installing a vacuum pump PNR-124D  - hydraulic lifting of the tank, hydraulic opening of the rear bottom (AKHC);  - manual opening of the back bottom (ОД).</p>
	AKH 8-11	Y3CT 6619C-21	6x6, 1	300	12,5	ZF9	-	350	Kamaz 43118-3938-50	
				300	12,70	144	-	210	Kamaz 43118-3011-50	
				300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	12,84	ZF9	-	350+210	Kamaz 43118-3017-50	
				300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50	
	AKH 12-16	Y3CT 6619C-22	6x4, 2	400	23,60	ZF16	-	350	Kamaz 6520-3020	
		Y3CT 6619C-23	6x6, 1	400	23,10	ZF16	-	350	Kamaz 6520-3072-53	
	AKH 8-11	Y3CT 6619C-8 Y3CT 6619C-12	6x6, 1	300	13	ZF9	-	350	Kamaz 43118-3938-46	
				300	12,70	144	-	210	Kamaz 43118-3011-46	
300				12,72	154	-	350+210	Kamaz 43118-3027-46		
300				12,84	ZF9	-	350+210	Kamaz 43118-3017-46		
300				12,78	ZF9	1	350+210	Kamaz 43118-3049-46		
AKH 12-16	Y3CT 6619C-15	6x4, 2	400	23,60	ZF16	-	350	Kamaz 6520-3020-43		
	Y3CT 6619C-16	6x6, 1	400	23,10	ZF16	-	350	Kamaz 6520-3072-73		
		Y3CT 6619C-16	6x6, 1	400	23,10	ZF16	-	350	Kamaz 65222-3010-43	





**CONSTRUCTION FEATURES OF THE MODEL  
UNIT FOR COLLECTING GAS CONDENSATE AND OIL**

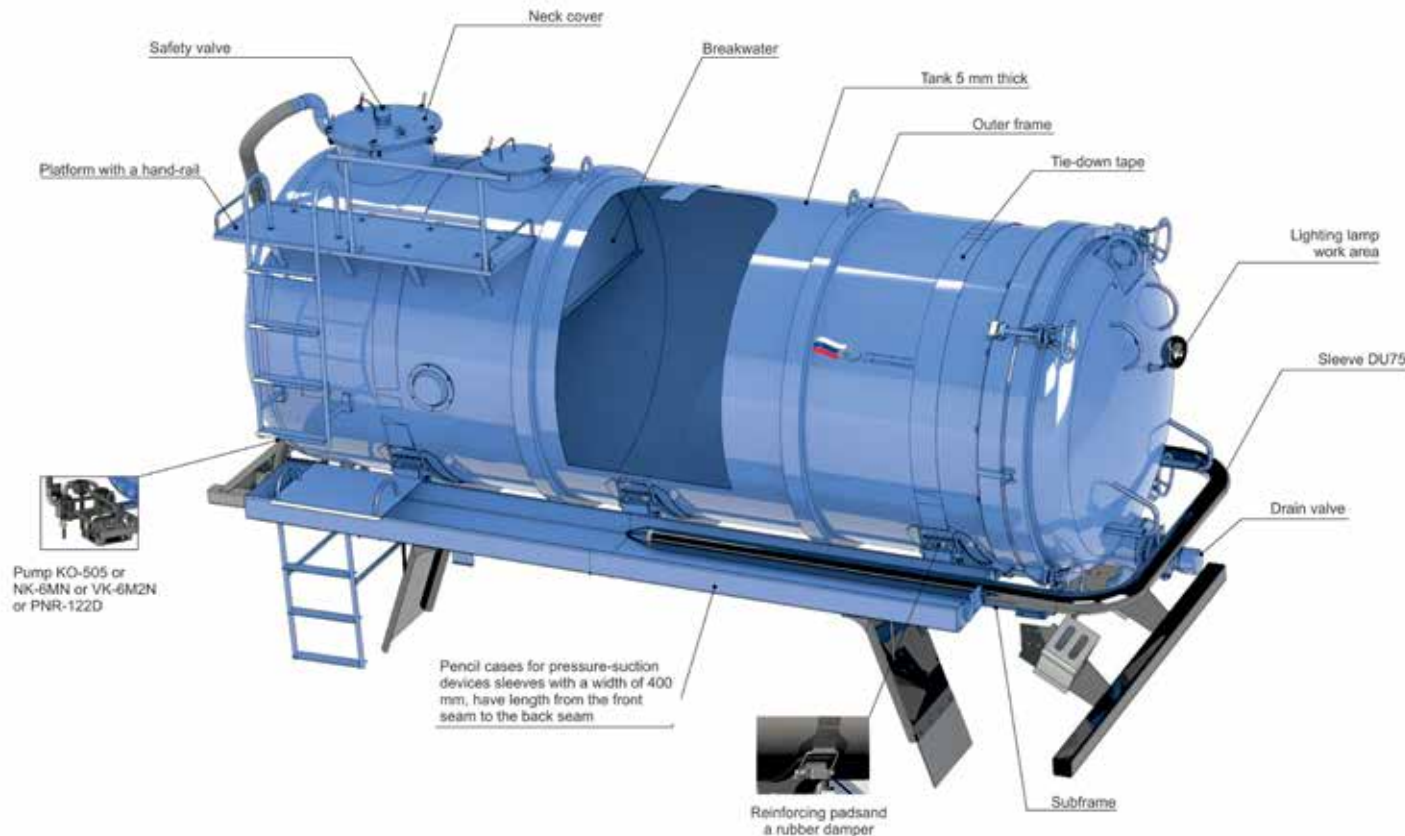


The oilfield tanker is designed for collecting spilled oil, gas condensate, oil products and non-aggressive process liquids, as well as for transporting them to the places of disposal and processing. The tanker is equipped with a KO-505 pump.






Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	MB 1,8-4,2	Y3CT 5676-28	4x2 4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	Gaz 3309 Gaz 33098	 
	MB 1,8-2	Y3CT 5676-29	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33088	
	MB 1,8-3,8	Y3CT 5676C-30	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Gaz 33086	
	MB 1,8-3,9 MB 1,8-4,2	Y3CT 5676-31	4x2	152,3 148,9	5,4	5 ст.	-	105	Gaz C41R11 Gaz C41R13	
	MB 1,8-4			152,3 148,9	5 4,9			105	Gaz C41R31 Gaz C41R33	
	MB 1,8-3,9			148,9	4,9			105	Gaz C42R33	
	MB 1,8-4,1			149,6	4,9			ГБО 72,8 м³	Gaz C41R16	
	MB 1,8-3,8	Y3CT 5676-32	4x2	149,6 149,6	4,5 4,5	5 ст.	-	ГБО 72,8 м³ ГБО 72,8 м³	Gaz C41R36 Gaz C41R36	
MB 1,8-4,7	168,9			6,1	105			Gaz C41RB3		
URAL	MB 8-11	Y3CT 5676-17	6x6, 1	275	12,5	ЯМЗ-536	1	210+210	Ural 5557-4112-80	<p><b>Vacuum pump KO -505A</b>  <b>Tanks:</b> - made of steel 09G2S; -bottom thickness-5 mm, the thickness of the tank sheet-5mm, frames - external, - the technological mouth is equipped with a ladder and a viewing platform with a railing, illuminated viewing window, headlight of illumination of the working area of the receiving crane, 400 mm pencil case width, light signal fittings, receiving crane DU 75, sleeve pressure - suction control DU 75 - 2 pcs. 6 m each, the sleeves are equipped with a quick-release connection, gas tank protection, transfer of muffler, wiring protection.</p>
		Y3CT 5676-16	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60	
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72	
				275	12,5	ЯМЗ-1105	1	300+210	Ural 4320-4972-80	
				312	12,5	ZF9	1	300+210	Ural 4320-4972-82	
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-72Г38	
312	12,5	ЯМЗ-1205	-	300+210	Ural 4320-6952-74Г38A31					
312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38					
KAMAZ	MB 2,5-4,9	Y3CT 5676-33	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	<p><b>Pump unit:</b> - pump drive - « cardan»;</p> <p><b>Fire fighting equipment:</b> - fire extinguishers OP-6 - 1 pieces packing into plastic containers; - sand box; - ground circuit.</p> <p><b>Additional options:</b> - Installation of the vacuum pump HBP-8/5; - installation of a vacuum pump NK-6M2N, an analogue of VK-6 M2N; - installation of a vacuum pump PNR-124D; - hydraulic lifting of the tank, hydraulic opening of the rear bottom; - manual opening of the rear bottom .</p>
	MB 8-11	Y3CT 5676-19	6x6, 1	300	12,5	ZF9	-	350	Kamaz 43118-3938-50	
				300	12,70	154	-	210	Kamaz 43118-3011-50	
				300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	12,84	ZF9	-	350+210	Kamaz 43118-3017-50	
	300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50				
MB 12-16	Y3CT 5676-21	6x4, 2	280	14,65	ZF9	1	350	Kamaz 65115-3052-50		
			280	14,65	ZF9	-	350	Kamaz 65115-3082-50		
Y3CT 5676-22	6x6, 1	400	23,60	ZF16	-	350	Kamaz 6520-3020			
		400	23,10	ZF16	-	350	Kamaz 6520-3072-53			
Y3CT 5676-22	6x6, 1	400	23,10	ZF16	-	350	Kamaz 65222-3010-53			

## DESIGN FEATURES OF THE MODEL VACUUM TRUCK

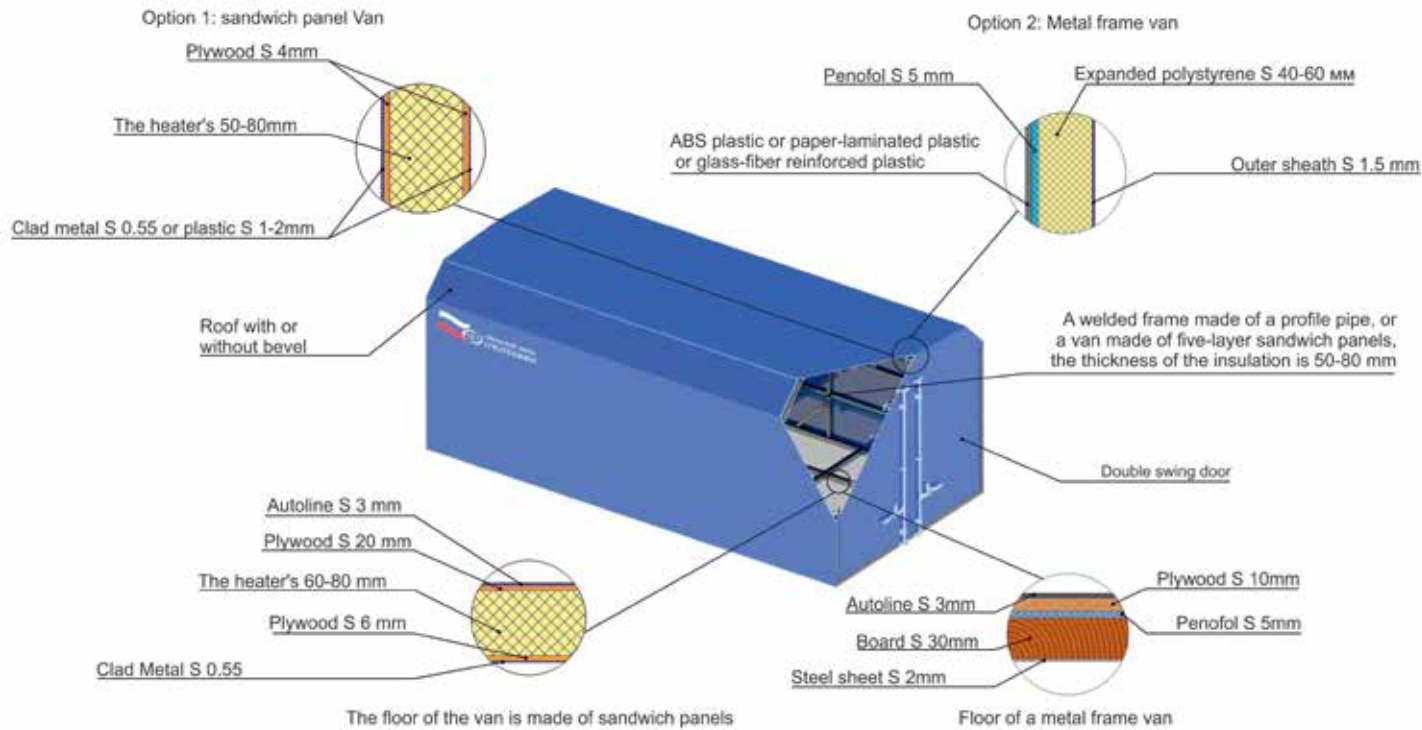


Utility (sewage) vacuum machines providing vacuum cleaning in order to obtain liquid waste, collect liquid waste and water from pits during emergency operations on water pipelines and heating mains, clean sewer wells, suction sludge, and pump out dirty water from delivery and export of any technical liquids.





Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	General purpose van	Y3CT 586A-25	4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	Gaz 3309 Gaz 33098	  
		Y3CT 586A-26	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33098	
		Y3CT 586A-27	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Gaz 33086	
		Y3CT 586A-28	4x2	152,3	5,4	5 ст.	-	105	Gaz C41R11	
				148,9	5,3			105	Gaz C41R13	
				152,3	5			105	Gaz C41R31	
				148,9	4,9			105	Gaz C41R33	
Y3CT 586A-28	4x2	148,9	4,9	5 ст.	-	105	Gaz C42R33			
		149,6	4,9			ГБО 72,8 m³	Gaz C41R16			
		149,6	4,5			ГБО 72,8 m³	Gaz C41R36			
Y3CT 586A-29	4x2	168,9	6,1	5 ст.	-	105	Gaz C41RB3			
URAL	General purpose van	Y3CT 586A-14	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60	  <p><b>The complete set of a van is presented in the form of the warmed one-compartment frame-metal van.</b>  <b>The design of the van:</b>  - frame-metal from a profile pipe;  - as insulation is applied «extruded polystyrene 40 mm» + 5 mm heat insulation material is laid;  - the interior of the van - ABS plastic;  - outside is covered with painted sheet 1.5 mm;  - entrance door;  - rear door;  - two windows;  - compartment lighting.</p>
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72	
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-4951-80	
				275	12,5	ЯМЗ-1105	1	300+210	Ural 4320-4971-80	
				312	12,5	ZF9	1	300+210	Ural 4320-4971-82	
		Y3CT 586A-15	6x6, 1	230	6,9	ЯМЗ-2361	-	300+180	Ural 4320-1112-61	
Y3CT 586A-16	6x6, 1	275	7,3	ЯМЗ-1105	-	300+180	Ural 4320-1112-73			
		275	7,9	ЯМЗ-1105	-	300+210	Ural 4320-4151-81			
		230	12	ЯМЗ-2361	-	210+180	Ural 5557-1112-60			
Y3CT 586A-16	6x6, 1	275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-1112-72			
		275	12,5	ЯМЗ-1105	-	210+210	Ural 5557-4151-80			
		275	12,5	ЯМЗ-1105	-	210+210	Ural 5557-4151-80			
KAMAZ	General purpose van	Y3CT 586A-30	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	<p><b>The complete set of a van is presented in the form of the warmed one-compartment frame-metal van.</b>  <b>The design of the van:</b>  - frame-metal from a profile pipe;  - as insulation is applied «extruded polystyrene 40 mm» + 5 mm heat insulation material is laid;  - the interior of the van - ABS plastic;  - outside is covered with painted sheet 1.5 mm;  - entrance door;  - rear door;  - two windows;  - compartment lighting.</p>
		Y3CT 586A-18	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	
		Y3CT 586A-19	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	
				300	12,70	154	-	210	Kamaz 43118-3011-50	
				300	12,72	154	-	350+210	Kamaz 43118-3027-50	
300	12,78			ZF9	1	350+210	Kamaz 43118-3049-50			

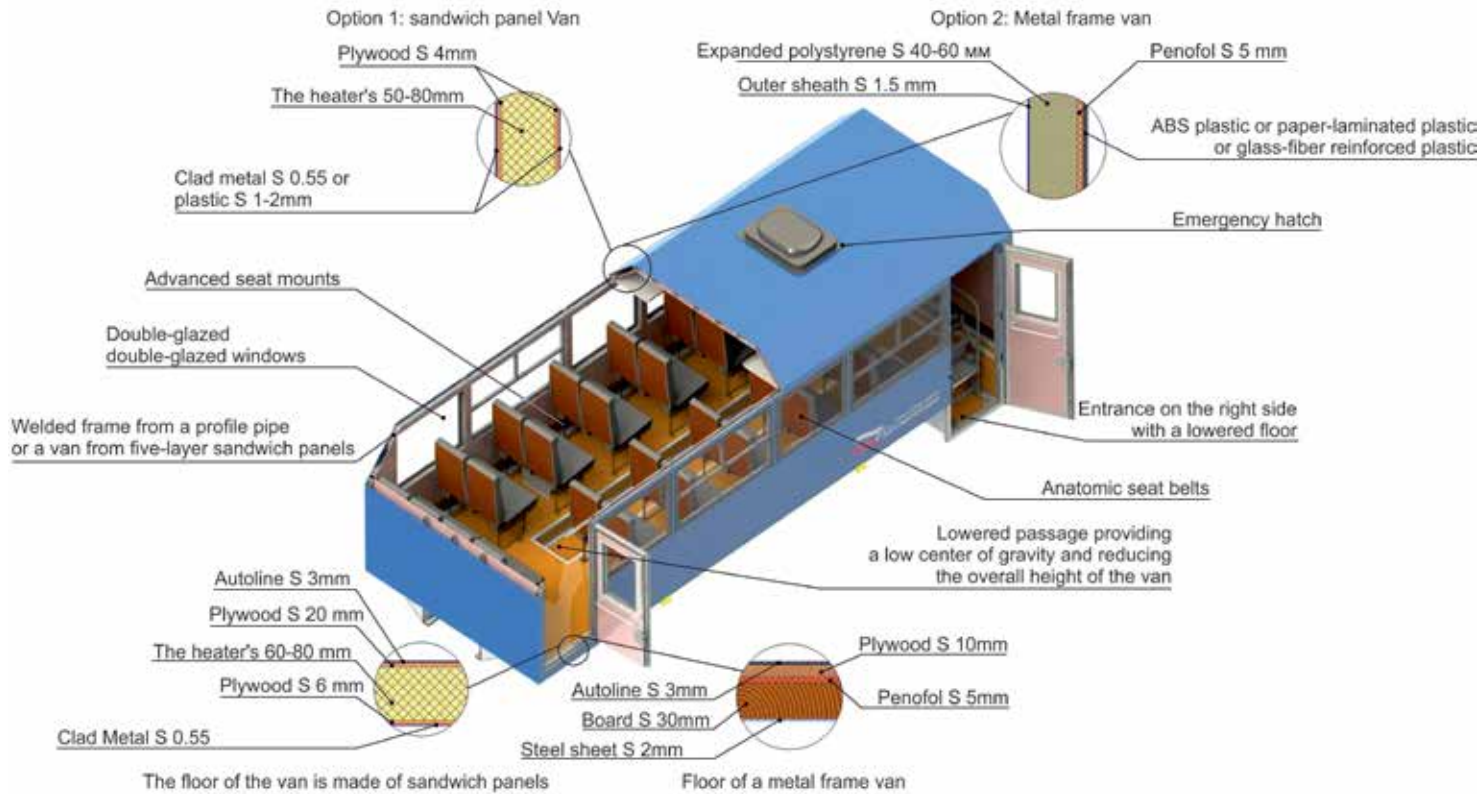
## DESIGN FEATURES OF THE MODEL GENERAL PURPOSE VAN



Vans of general purpose are intended for transportation of various freights demanding protection against external factors.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
KAMAZ	12+2 places 14+2 places 16+2 places 18+2 places 20+2 places	Y3CT 5861-50	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	
	22+2 places 24 + 2 places 26 + 2 places 28 + 2 places	Y3CT 5861-27	6x6, 1	285 285	7,64 8,55	ZF9	-	210+210	Kamaz 5350-3061-66(D5)	
		Y3CT 5861-28	6x6, 1	300 300 300 300	12,72 12,78 12,70 12,72	ZF9 ZF9 154 154	- 1 - -	350+210 350+210 210 350+210	Kamaz 43118-3017-50 Kamaz 43118-3049-50 Kamaz 43118-3011-50 Kamaz 43118-3027-50	 <p><b>The complete set of the bus is presented in the form of a insulated single - section frame-metal van with an understated Central passage (floor).</b></p> <p><b>The basic design of the van:</b></p> <ul style="list-style-type: none"> <li>- metal frame from a profile pipe;</li> <li>- the insulation is «extruded polystyrene 60 mm» + 5 mm foam Board;</li> <li>- interior decoration of the van-ceiling-alucobond, walls-ABS plastic; outside is covered with painted sheet 1.5 mm;</li> <li>- entrance doors with lowered steps;</li> <li>- Windows: glued double glazed windows;</li> <li>- compartment lighting;</li> <li>- bus seats with seat belts;</li> <li>- Autonomous heater planar 4D -1 pcs.;</li> <li>- radiator from the engine cooling system Xeros 4000-1 PC.;</li> <li>- emergency ventilation hatch - 1 pc.;</li> <li>- cover fan-1 pc.;</li> <li>- intercom system.</li> </ul>
	30 + 2 places 32 + 2 places	Y3CT 5861-28	6x6, 1	300 300 300 300	12,72 12,78 12,70 12,72	ZF9 ZF9 154 154	- 1 - -	350+210 350+210 210 350+210	Kamaz 43118-3017-50 Kamaz 43118-3049-50 Kamaz 43118-3011-50 Kamaz 43118-3027-50	
	30 + 2 places	Y3CT 5861-06	6x6, 1	300 300 300	12,85 12,73 12,72	ZF9 ZF9 154	- 1 -	210+210 350+210 350+210	Kamaz 43118-3999-46 Kamaz 43118-3078-46 Kamaz 43118-3027-46	
	32+2 places	Y3CT 5861-07	6x6, 1	300 300 300 300	12,13 12,73 12,70 12,72	ZF9 ZF9 144 154	- 1 - -	210+210 350+210 210 350+210	Kamaz 43118-3999-46 Kamaz 43118-3078-46 Kamaz 43118-3011-46 Kamaz 43118-3027-46	

## DESIGN FEATURES OF THE MODEL BUS TRUCK



Bus truck is a special vehicle for transporting passengers, repair crews, hunters and fishermen in road transport. Its initial purpose is to transport shift crews along the roads of the general network and off-road.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment				
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model					
URAL	up to 6+2 places with a cargo platform	Y3CT 483F-20	6x6, 1	230	12	ЯМ3-2361	-	300+210	Ural 4320-1912-60					
				275	12,5	ЯМ3-1105	-	300+210	Ural 4320-1912-72					
				275	12,5	ЯМ3-1105	-	300+210	Ural 4320-4951-80					
				275	12,5	ЯМ3-1105	1	300+210	Ural 4320-4971-80					
				312	12,5	ZF9	1	300+210	Ural 4320-4971-82					
		Y3CT 483F-21	6x6, 1	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-72Г38					
		312	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-74Г38А31							
		312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38							
KAMAZ	up to 6+2 places with a cargo platform	Y3CT 5860-55 Y3CT 483F-23	6x6, 1	12,72		ZF9	-	350+210	Kamaz 43118-3017-50					
				12,70	300	154	-	210	Kamaz 43118-3011-50					
				12,72		154	-	350+210	Kamaz 43118-3027-50					
				12,78		ZF9	1	350+210	Kamaz 43118-3049-50					
		Y3CT 5860-73 Y3CT 483F-38	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)					
		Y3CT 5860-54 Y3CT 483F-25	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)					
	8+2 places 10+2 places 12+2 places 14+2 places 16+2 places	Y3CT 5861-51 Y3CT 5861-52	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)					
										Y3CT 5861-29 Y3CT 5861-31		6x6, 1	285	7,64 8,55
		Y3CT 5861-30 Y3CT 5861-32	6x6, 1	300	12,72		ZF9	-	350+210	Kamaz 43118-3017-50				
					12,70		154	-	210	Kamaz 43118-3011-50				
	18+2 places 20+2 places 22+2 places	Y3CT 5861-29	6x6, 1	285	8,55	ZF9	-	210+210	Kamaz 5350-3061-66(D5)					
										12,72		ZF9	-	350+210
12,70											154	-	210	Kamaz 43118-3011-50
12,72											154	-	350+210	Kamaz 43118-3027-50
12,78											ZF9	1	350+210	Kamaz 43118-3049-50
											285		ZF9	-
		300		154	-	210	Kamaz 43118-3011-50							
		300		154	-	350+210	Kamaz 43118-3027-50							
		300		ZF9	1	350+210	Kamaz 43118-3049-50							

The complete set is presented in the form of a insulated single-section metal frame or sandwich panel van with an open cargo area.

**Van design:**

- metal frame from a profile pipe;
- extruded polystyrene 40 mm+5 mm foam is used as insulation;
- interior trim of the van-ABS plastic;
- the outside is covered with a painted sheet of 1.5 mm;
- entrance doors with lowered steps;
- windows;
- compartment lighting;
- bus seats with seat belts;
- heater from the internal combustion engine;
- escape hatch;
- intercom;
- «there is a door at the back of the van that opens onto an open cargo area.

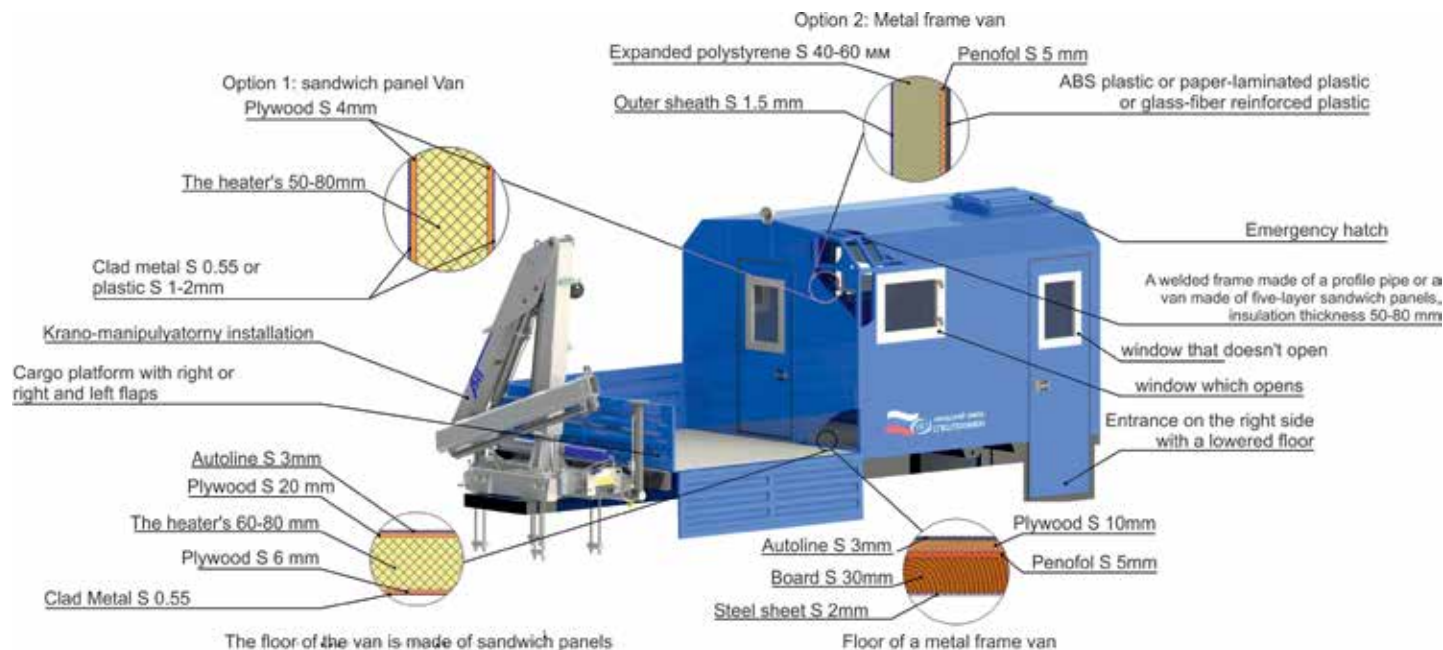
**Cargo area:**

located in the back of the van, it has a hinged right side.

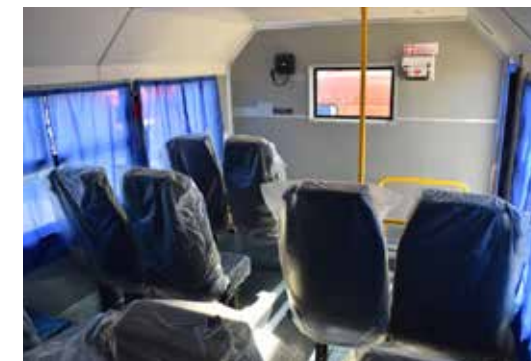
**Installation of the crane manipulator is possible on the following models: Y3CT 5861-32; 483F-20, 483F-21, 483F-25, 483F-38.**





## DESIGN FEATURES OF THE MODEL CARGO AND PASSENGER TRUCKCAR



The cargo-passenger car is intended for the delivery of repair crews and necessary equipment to the place of work. Can be equipped with equipment, tools, furniture and appliances.



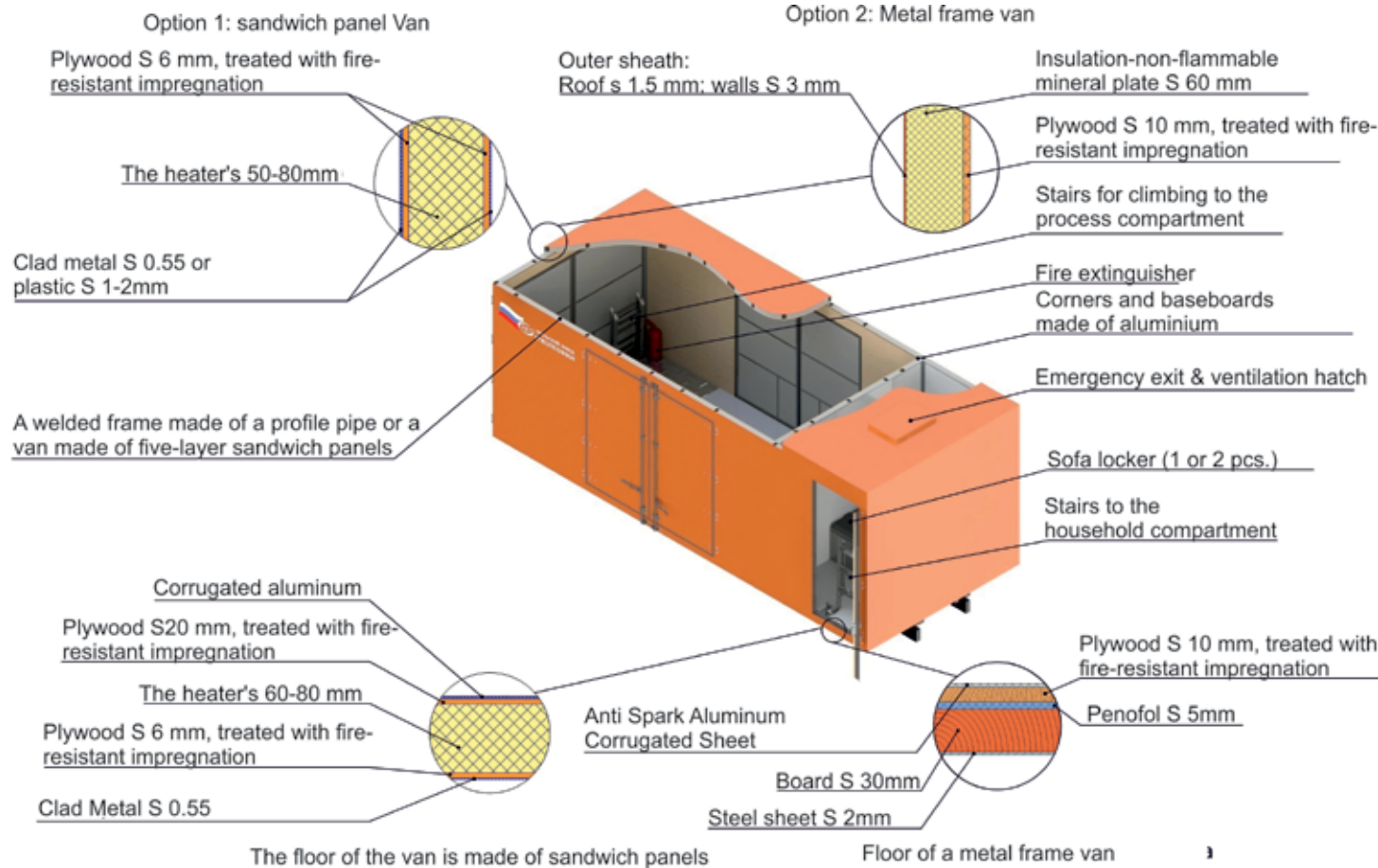
## Vans for transportation of explosives

Chassis	Denomination		Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
URAL	Vans for transportation of explosives «BB»	УЗСТ 586В-05	6x6, 1	230	6,9	ЯМ3-2361	-	300+180	Ural 4320-1112-61	  
				275	7,3	ЯМ3-1105	-	300+180	Ural 4320-1112-73	
				275	7,3	ЯМ3-1105	-	300+180	Ural 4320-4151-81	
		УЗСТ 586В-06	6x6, 1	230	12	ЯМ3-2361	-	300+210	Ural 4320-1912-60	
				275	12,5	ЯМ3-1105	-	300+210	Ural 4320-1912-72	
				275	12,5	ЯМ3-1105	-	300+210	Ural 4320-4951-80	
		УЗСТ 586В-07	6x6, 1	230	12	ЯМ3-2361	-	300+210	Ural 4320-4951-82	
				275	12,5	ЯМ3-1105	-	210+180	Ural 4320-1912-60	
				275	12,5	ЯМ3-1105	-	210+180	Ural 4320-1912-72	
KAMAZ	Vans for transportation of explosives «BB»	УЗСТ 586В-08	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 4320-4951-80	
				275	12,5	ЯМ3-1105	-	210+210	Ural 4320-4951-82	
				312	12,5	ZF9	-	210+210	Ural 4320-4951-82	
		УЗСТ 586В-09	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 5350-3054-66(D5)	
				300	12,70	154	-	210	Kamaz 43118-3017-50	
				300	12,72	154	-	350+210	Kamaz 43118-3011-50	
		УЗСТ 586В-10	6x4, 2	280	13	ZF9	-	350	Kamaz 43118-3027-50	
				280	12,78	ZF9	1	350	Kamaz 43118-3938-50	
				280	14,65	ZF9	-	350+210	Kamaz 43118-3049-50	
УЗСТ 586В-10	6x4, 2	280	14,65	ZF9	1	350	Kamaz 65115-3052-50			
		280	17,25	ZF9	-	350	Kamaz 65115-3081-50			
		280	14,65	ZF9	-	350	Kamaz 65115-3082-50			

The van body is specialized, designed for transporting explosives and explosive substances of various subclasses and compatibility groups, as well as temporary storage of transported goods. It is made of heat-resistant and spark-forming materials, with a fire-resistant coating of the internal surfaces of the cargo compartment with protective and intrinsically safe wiring and lighting.



**Transportation of people is not provided !!!**

## DESIGN FEATURES OF THE MODEL A VAN FOR TRANSPORTING EXPLOSIVES



Transport for explosives, gas cylinders, dissolved and compressed gases under pressure, flammable substances (available, liquid), chemicals and industrial waste. The car meets all the requirements for transport.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ		Y3CT 5860-63	4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	Gaz 3309 Gaz 33098	 
		Y3CT 5860-64	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33088	
		Y3CT 5860-65	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Gaz 33086	
		Y3CT 5860-66	4x2	152,3	5,4	5 ст.	-	105	Gaz C41R11	
				148,9	5,3			105	Gaz C41R13	
				152,3	5			105	Gaz C41R31	
				148,9	4,9			105	Gaz C41R33	
148,9	4,9	105	Gaz C42R33							
149,6	4,9	ГБО 72,8 м³	Gaz C41R16							
149,6	4,5	ГБО 72,8 м³	Gaz C41R36							
149,6	4,5	ГБО 72,8 м³	Gaz C42R36							
Y3CT 5860-67	4x2	168,9	6,1	5 ст.	-	105	Gaz C41RB3			
URAL	Mobile repair van/	Y3CT 5860-45	6x6, 1	230	12	УМЗ-2361	-	300+210	Ural 4320-1912-60	
				275	12,5	УМЗ-1105	-	300+210	Ural 4320-1912-72	
	275			12,5	УМЗ-1105	-	300+210	Ural 4320-4951-80		
	275			12,5	УМЗ-1105	1	300+210	Ural 4320-4971-80		
	312			12,5	ZF9	1	300+210	Ural 4320-4971-82		
	Mobile repair van with the right to transport 3 + 2 people	Y3CT 5860-46	6x6, 1	285	12,5	УМЗ-2361	-	300+180	Ural 4320-1112-61	
				285	12,5	УМЗ-1105	-	300+180	Ural 4320-1112-73	
				312	12,5	УМЗ-1105	-	300+210	Ural 4320-4151-83	
	Y3CT 5860-48	6x6, 1	230	12	УМЗ-2361	-	210+180	Ural 5557-1112-60		
			275	12,5	УМЗ-1105	-	210+180	Ural 5557-1112-72		
275			13	УМЗ-1105	-	210+210	Ural 5557-4151-80			
275			12,5	УМЗ-1105	1	210+210	Ural 5557-4512-80			
312			12,5	ZF9	1	210+210	Ural 5557-4512-82			
Y3CT 5860-51	6x6, 1	275	12,5	УМЗ-1105	-	210+180	Ural 5557-6152-72Г38			
		275	12,5	УМЗ-1105	-	210+180	Ural 5557-6152-72M28			
		312	12,5	ZF9	-	210+180	Ural 5557-6152-74M28			
Y3CT 5860-47	6x6, 1	230	6,8	УМЗ-2361	-	300+180	Ural 43203-1151-61			
Y3CT 5860-49	6x6, 1	275	12,5	УМЗ-1105	-	300+210	Ural 4320-6952-72Г38			
		312	12,5	УМЗ-1205	-	300+210	Ural 4320-6952-74Г38A31			
		312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38			
Y3CT 5860-50	6x6, 1	275	7,3	УМЗ-1105	-	300+180	Ural 4320-6952-72Г38			
KAMAZ		Y3CT 5860-73	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	
		Y3CT 5860-54	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	
		Y3CT 5860-55	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	
300	12,70			154	-	210	Kamaz 43118-3011-50			
300	12,72			154	-	350+210	Kamaz 43118-3027-50			
300	12,78			ZF9	1	350+210	Kamaz 43118-3049-50			

Mobile repair van is presented in the form of a warmed single-compartment technological van.

**Van construction:**

- frame - metal from a profile pipe;
- as the insulation is "extruded polystyrene foam 40 mm" + penofol 5 mm;
- the interior of the van - ABS plastic, the outside of the van is sheathed with a painted sheet of 1.5 mm.

**Technological compartment:**

- the front door to the right; - Workbench; - locker; - first aid kit; - fire extinguisher; - wheel chocks; - lateral and back protective device.

The MP configuration with three seats is presented in the form of a insulated two-compartment van.

**Van design:**

- metal frame from a profile pipe;
- as a insulation material, «extruded polystyrene 40 mm» + 5 mm foam Board is used;
- the interior of the van is ABS plastic, the outside of the van is covered with a painted sheet of 1.5 mm.

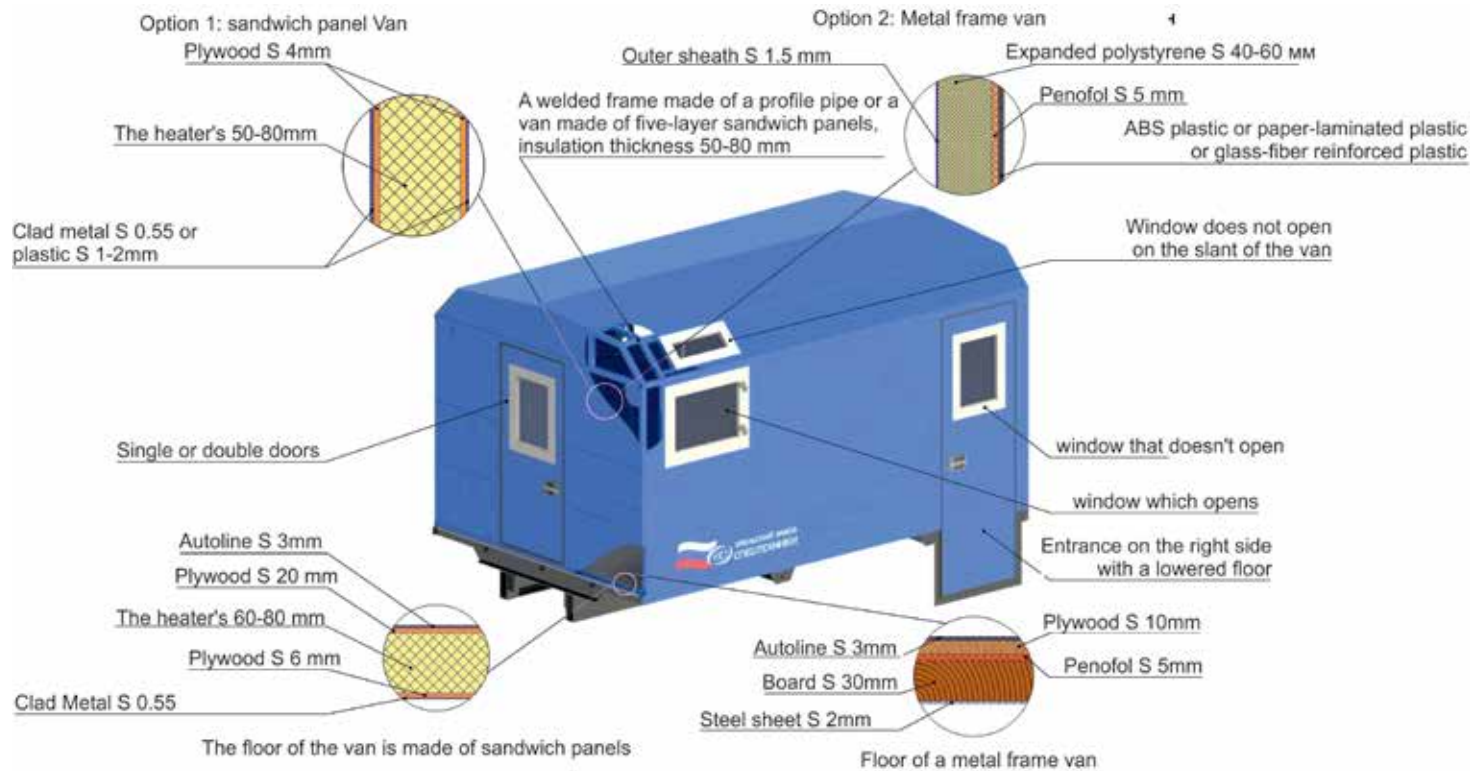
**Passenger compartment:**

- entrance group on the right side with a low floor, or with a sliding ladder; - three seats with three-point safety belts; - heater from the internal combustion engine cooling system; - escape hatch; - intercom.

**Process compartment:**


- entrance door on the right side; - workbench; - chest;
- kit; - fire extinguisher; - anti-rollback stops;
- side and rear protective device.

## DESIGN FEATURES OF THE MODEL MOBILE REPAIR VAN

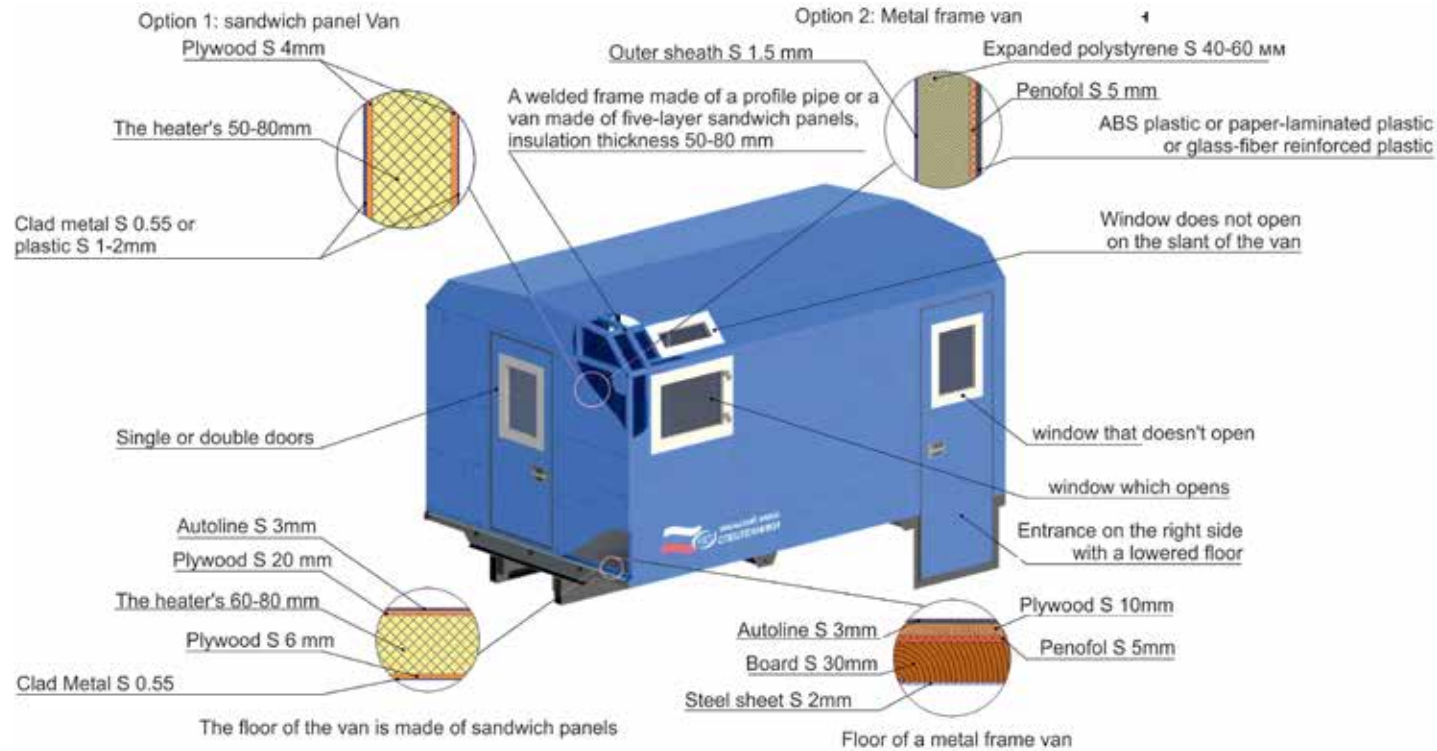


Mobile repair van - designed for repair and maintenance of special equipment in the field. It includes a wide range of repair equipment, machines, tools and other inventory necessary for carrying out repair and technical works. For the convenience and everyday life of the crew, it is equipped with a washbasin and an electric stove. The power supply inside the van is provided by a 30 kW EG 202.7 generator. Mobile repair van can be made in two versions: single-column and double-column van. The second option involves dividing the inside of the van into 2 compartments: passenger (household) and technological.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	Mobile laboratory with the right to transport a duty crew of up to 6 people	Y3CT 5860-68	4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	Gaz 3309 Gaz 33098	
		Y3CT 5860-69	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33088	
		Y3CT 5860-70	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Gaz 33086	
		Y3CT 5860-71	4x2	152,3	5,4	5 ст.	-	105	Gaz C41R11	
				148,9	5,3			105	Gaz C41R13	
				152,3	5			105	Gaz C41R31	
				148,9	4,9			105	Gaz C41R33	
Y3CT 5860-71	4x2	148,9	4,9	-	-	105	Gaz C42R33			
		149,6	4,9			ГБО 72,8 м³	Gaz C41R16			
		149,6	4,5			ГБО 72,8 м³	Gaz C41R36			
Y3CT 5860-72	4x2	168,9	6,1	5 ст.	-	105	Gaz C41RB3			
KAMAZ		Y3CT 5860-55	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	<p><b>The complete set of Mobile laboratories with three seats is presented in the form of a insulated two-compartment van.</b></p> <p><b>The design of the van:</b></p> <ul style="list-style-type: none"> <li>- metal frame from a profile pipe; - the insulation is «extruded polystyrene 40 mm» + 5 mm foam 5 mm foam Board is used;</li> <li>- the interior of the van-ABS plastic; - the outside of the van is covered with a painted sheet of 1.5 mm.</li> </ul> <p><b>Passenger compartment:</b></p> <ul style="list-style-type: none"> <li>- entrance group on the right side with a low floor (except 43118-3049-50); - three seats with three-point safety belts; Autonomous heater planar 4D-24;</li> <li>- folding table; - emergency hatch; - intercom.</li> </ul> <p><b>Process compartment:</b></p> <ul style="list-style-type: none"> <li>- rear swing door; - Autonomous heater planar 4D-24; - work table-2 PCs; - shelves-2 PCs; - wardrobe; - washbasin.</li> </ul>
				300	12,70	154	-	210	Kamaz 43118-3011-50	
				300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50	
KAMAZ		Y3CT 5860-73	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	
		Y3CT 5860-54	6x6, 1	285	7.64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	



## DESIGN FEATURES OF THE MODEL MOBILE LABORATORIES



A mobile laboratory is designed to collect and process data.

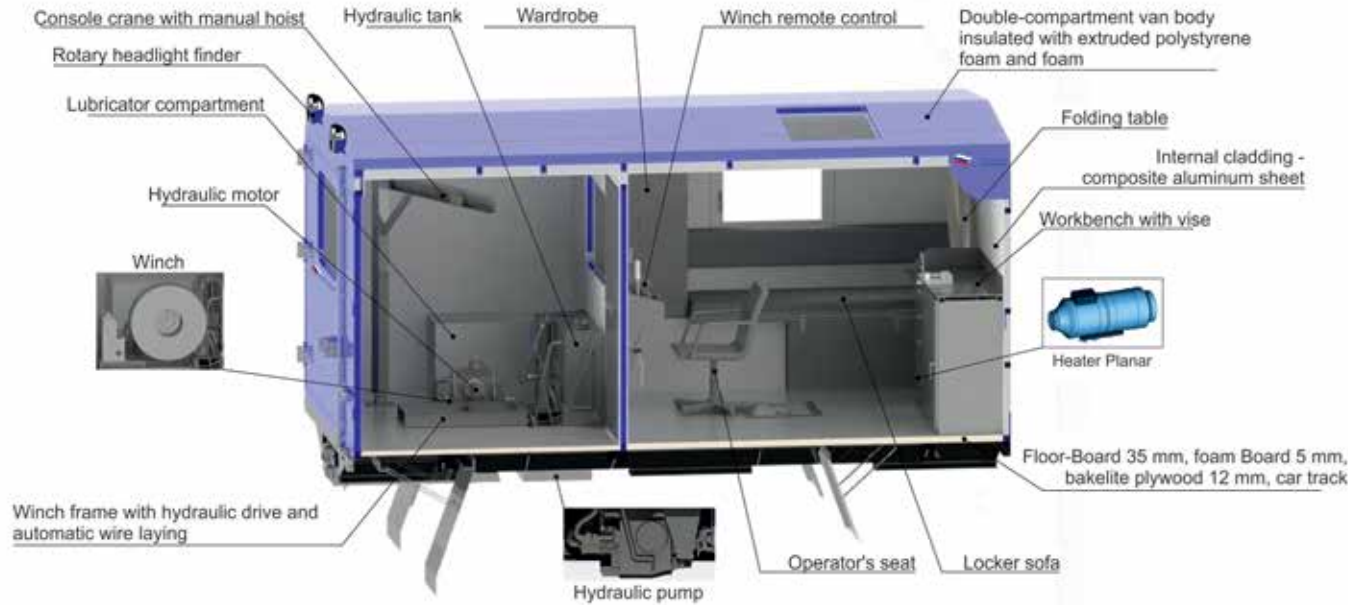
The laboratory is divided into 2 points: the rear term of the laboratory is intended for research and testing, as well as for the placement of laboratory equipment; household compartment - for short-term rest of staff.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment	
			Tire type	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model		
GAZ	Repair and welding truck	Y3CT 5860-63	4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	Gaz 3309 Gaz 33098	  <p><b>The complete set of Repair and welding truck is presented in the form of a insulated single-compartment technological van.</b></p> <p><b>Van design:</b></p> <ul style="list-style-type: none"> <li>- metal frame from a profile pipe;</li> <li>- as a insulation material, «extruded polystyrene 40 mm» + 5 mm foam Board is used;</li> <li>- interior decoration of the van - « paper-laminated plastic»;</li> <li>- the outside of the van is covered with a painted sheet of 1.5 mm.</li> </ul> <p><b>Process compartment:</b></p> <ul style="list-style-type: none"> <li>- diesel unit AD-100-T400; - control Cabinet; - additional fuel tank 300 l; - set of gas cutting equipment; - set of welding equipment; - thermopenal; - oven for drying electrodes; - external cable drums (4 PCs); - remote coil (2 PCs); - floodlights (4 PCs);</li> <li>- ground pins (2 PCs); - compartments for cylinders and equipment; - fire extinguisher; - first aid kit.</li> </ul>	
		Y3CT 5860-64	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33088		
		Y3CT 5860-65	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Gaz 33086		
		Y3CT 5860-66	4x2	152,3	5,4	105	5 ст.	-	105		Gaz C41R11
				148,9	5,3	105			Gaz C41R13		
				152,3	5	105			Gaz C41R31		
				148,9	4,9	105			Gaz C41R33		
148,9	4,9	105	Gaz C42R33								
149,6	4,9	ГБО 72,8 м³	Gaz C41R16								
149,6	4,5	ГБО 72,8 м³	Gaz C41R36								
149,6	4,5	ГБО 72,8 м³	Gaz C42R36								
Y3CT 586A-29	4x2	168,9	6,1	5 ст.	-	105	Gaz C41RB3				
URAL	Repair and welding truck	Y3CT 586C-12	6x6, 1	230	12	ЯМЗ-2361	-	210+180	Ural 5557-1112-60		
				275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-1112-72		
				275	12,5	ЯМЗ-1105	1	210+210	Ural 5557-4512-80		
				312	12,5	ZF9	1	210+210	Ural 5557-4512-82		
		Y3CT 586C-13	6x6, 1	230 275	6,9 7,3	ЯМЗ-2361 ЯМЗ-1105	- -	300+180 300+180	Ural 4320-1112-61 Ural 4320-1112-73		
Y3CT 586C-14	6x6, 1	230	6,8	ЯМЗ-2361	-	300+180	Ural 43203-1151-61				
Y3CT 586C-15	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60				
		275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72				
		275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-4951-80				
		275	12,5	ЯМЗ-1105	1	300+210	Ural 4320-4971-80				
312	12,5	ZF9	1	300+210	Ural 4320-4971-82						
KAMAZ	Repair and welding truck	Y3CT 586C-29	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)		
		Y3CT 586C-17	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)		
		Y3CT 586C-18	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50		
				300	12,70	154	-	210	Kamaz 43118-3011-50		
300	12,72			154	-	350+210	Kamaz 43118-3027-50				
300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50						



## DESIGN FEATURES OF THE MODEL REPAIR AND WELDING TRUCK



Repair and welding units are a special version of a mobile workshop equipped with a high-power diesel power plant powered by its own diesel engine. ARS units are redesigned for large-scale repair and construction or installation works that include a large amount of electric arc welding, such as:

- construction of remote facilities;
- installation or repair of water pipes, gas pipelines, oil pipelines of any diameter;
- steel erection;
- installation or repair of metal poles of power lines;
- construction or repair of metal barriers;
- other similar works.




Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	Flatbed truck with crane manipulator	Y3CT 483B-56	4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	Gaz 3309 Gaz 33098	Crane-manipulator installation, installed behind the cab.
		Y3CT 483B-58	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33088	
		Y3CT 483B-60	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Gaz 33086	
		Y3CT 483B-62 Y3CT 483B-63	4x2	152,3 148,9 152,3 148,9 148,9	5,4 5,3 5 4,9 4,9	5 ст.	-	105 105 105 105 105	Gaz C41R11 Gaz C41R13 Gaz C41R31 Gaz C41R33 Gaz C42R33	
		Y3CT 483B-64	4x2	168,9	6,1	ГАЗ 5 ст.	-	105	Gaz C41RB3	Manipulator crane mounted on the rear overhang.
		Y3CT 483B-57	4x2	125,3 148,9	5	ГАЗ 5 ст.	-	105	Gaz 33088	
		Y3CT 483B-59	4x4	148,9	2,7	ГАЗ 5 ст.	-	105	Gaz 33088	
		Y3CT 483B-61	4x4	148,9	4,4	ГАЗ 5 ст.	-	105	Gaz 33086	
URAL	Flatbed truck with crane manipulator	Y3CT 483B-28 Y3CT 483B-29	6x6, 1	230 275 275 275 312	12 12,5 12,5 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105 ЯМ3-1105 ZF9	- - - 1 1	300+210 300+210 300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4951-80 Ural 4320-4972-80 Ural 4320-4972-82	Manipulator crane weighing up to 3900 kg, installed behind the cab (Y3CT 483B-28) Manipulator crane weighing up to 2650 kg, mounted on the rear overhang (Y3CT 483B-29)
		Y3CT 483B-30 Y3CT 483B-31	6x6, 1	275 312 312	12,5 12,5 12,5	ЯМ3-1105 ЯМ3-1205 ZF9	- - -	300+210 300+210 300+210	Ural 4320-6952-72Г38 Ural 4320-6952-74Г38A31 Ural 4320-6952-74Г38	Manipulator crane weighing up to 3900 kg, mounted behind the cab, with or without a cradle (Y3CT 483B-30). Manipulator crane weighing up to 2650 kg, mounted on the rear overhang, with or without a cradle (Y3CT 483B-31)
		Y3CT 483B-32	6x6, 1	230	12	ЯМ3-2361	-	300+210	Ural 4320-1912-72	Double cab (4-door 6-seater). A manipulator crane weighing up to 3900 kg, mounted behind the cab, with or without a cradle.
		Y3CT 483B-33	6x6, 1	275	12,5	ЯМ3-110	-	300+210	Ural 4320-1912-60	Double cab (4-door 6-seater). A manipulator crane weighing up to 2650 kg, mounted behind the cab, with or without a cradle.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment	
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model		
KAMAZ	Flatbed truck with crane manipulator	Y3CT 483B-36	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	Manipulator crane weighing up to 3900 kg, installed behind the cab .	
		Y3CT 483B-37			12,70	154	-	210	Kamaz 43118-3011-50		
					12,72	154	-	350+210	Kamaz 43118-3027-50		
					12,13	154	1	210	Kamaz 43118-3096-50		
					12,68	154	1	350+210	Kamaz 43118-3088-50		
					12,68	ZF9	1	350+210	Kamaz 43118-3086-50		
			13,65	ZF9	1	350+210	Kamaz 43118-3090-50	Manipulator crane weighing up to 2650 kg, mounted on the rear overhang.			
		Y3CT 483B-38	6x6, 2	280	16,2	ZF9	-		350+210	Kamaz 65111-3090-50	Manipulator crane weighing up to 3900 kg, installed behind the cab . Manipulator crane weighing up to 3000 kg, mounted on the rear overhang.
		Y3CT 483B-39									
		Y3CT 483B-40	6x4, 2	280	17	ZF9	1		350	Kamaz 65115-3094-50	Manipulator crane weighing up to 3900 kg, installed behind the cab . Manipulator crane weighing up to 3000 kg, mounted on the rear overhang.
Y3CT 483B-41	300	ZF9		-		350	Kamaz 65115-3082-48				
	300	ZF9		1		350	Kamaz 65115-3052-48				
Y3CT 483B-42	6x4, 2	300	16	ZF9	1	500	Kamaz 65117-3010-50	Manipulator crane weighing up to 3900 kg, installed behind the cab . Manipulator crane weighing up to 3000 kg, mounted on the rear overhang.			
Y3CT 483B-43	6x4, 2	300	16	ZF9	1	500	Kamaz 65117-3010-50				
Y3CT 483B-66	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	Crane-manipulator installation, installed behind the cab. Manipulator crane mounted on the rear overhang.			
Y3CT 483B-67											

Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
URAL	Truck tractor + Crane-manipulator	Y3CT 483T-014	6x6, 1	230 275 275	12 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105	- - -	300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4951-80	Two-door cabin, without sleeping place + Crane manipulator with weight up to 3900 kg.
		Y3CT 483T-17	6x6, 1	275 312 312	12,5 12,5 12,5	ЯМ3-1105 ЯМ3-1205 ZF9	- - -	300+210 300+210 300+210	Ural 4320-6952-72Г38 Ural 4320-6952-74Г38А31 Ural 4320-6952-74Г38	Two-door cabin, without sleeping place + Crane manipulator with weight up to 3900 kg.
		Y3CT 483T-15	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105 ZF9	- - 1 1	300+210 300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4972-80 Ural 4320-4972-82	Cabin is two-door, with sleeping place + Crane manipulator with weight up to 3900 kg.
		Y3CT 483T-16	6x6, 1	230 275	12 12,5	ЯМ3-2361 ЯМ3-1105	- -	300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72	Four-door cab, six-seater with + Crane manipulator weighing up to 3900 kg.
URAL	Truck tractor	Y3CT 174T-22	6x6, 1	230 275 275	12 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105	- - -	210+180 210+180 210+210	Ural 5557-1112-60 Ural 5557-1112-72 Ural 5557-4151-80	Cabin without sleeping space.
		Y3CT 174T-23	6x6, 1	230 275	12 12,5	ЯМ3-2361 ЯМ3-1105	- -	210+180 210+180	Ural 5557-1112-60 Ural 5557-1112-72	Cab with sleeping place.
		Y3CT 174T-31	6x6, 1	275 312 312	12,5 12,5 12,5	ЯМ3-1105 ЯМ3-1205 ZF9	- - -	300+210 300+210 300+210	Ural 4320-6952-72Г38 Ural 5557-6152-74Г38А31 Ural 55571-6121-74Г38	Cabin without sleeping space.
		Y3CT 174T-29	6x6, 1	275 312	12,5	ЯМ3-1105 ZF9	-	210+180	Ural 5557-6152-72Г38 Ural 5557-6121-74Г38	Cabin without sleeping space.
		Y3CT 174T-30	6x6, 1	275 312	12,5	ЯМ3-1105 ZF9	-	300+180 300+180	Ural 55571-6121-72Г38 Ural 5557-6152-72М28 Ural 5557-6152-74М28	Cabin without sleeping space.
		Y3CT 174T-24	6x6, 1	230	12	ЯМ3-2361	-	300+180	Ural 55571-1112-60	Cabin without sleeping space.
		Y3CT 174T-25	6x6, 1	230 275 275	12 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105	- - 1	300+180 300+180 300	Ural 55571-1112-60 Ural 55571-1112-72 Ural 55571-4521-80	Cab with sleeping place.
		Y3CT 174T-26	6x6, 1	230 275 275	12 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105	- - -	300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4951-80	Cabin without sleeping space.
		Y3CT 174T-27	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105 ZF9	- - 1 1	300+210 300+210 300 300	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4972-80 Ural 4320-4972-82	Cab with sleeping place.
		Y3CT 174T-28	6x6, 1	230 275	12 12,5	ЯМ3-2361 ЯМ3-1105	- -	300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72	Cabin is four-door, six-seater.

Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t		Berth	Fuel tank, l	Chassis model	
KAMAZ	Truck tractor + Crane-manipulator	Y3CT 483T-18	6x6, 1	300	12,70	154	-	210	Kamaz 43118-3011-50	Cabin without a berth+manipulator crane up to 3900 kg Cabin without a berth+manipulator crane up to 3900 kg Cabin without a berth+manipulator crane up to 3900 kg Sleeper cab+manipulator crane up to 3900 kg
				300	12,72	154	-	350+210	Kamaz 43118-3027-50	
300	12,72			ZF9	-	350+210	Kamaz 43118-3017-50			
300	12,78			ZF9	1	350+210	Kamaz 43118-3049-50			
		Y3CT 483T-19	6x6, 2	280	16,85	ZF9	-	210	Kamaz 65111-3960-50	Cabin without a berth+manipulator crane up to 3900 kg
KAMAZ	Truck tractor	Y3CT 174T-33	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	The interaxial distance of the chassis is 3690 mm
					12,70	154	-	210	Kamaz 43118-3011-50	
					12,72	154	-	350+210	Kamaz 43118-3027-50	
					13	ZF9	-	350	Kamaz 43118-3938-50	
					12,78	ZF9	1	350+210	Kamaz 43118-3049-50	
					12,68	154	1	350+210	Kamaz 43118-3088-50	
					12,68	ZF9	1	350+210	Kamaz 43118-3086-50	
					12,68	ZF9	1	350+210	Kamaz 43118-3086-50	
		Y3CT 174T-34	6x6, 2	280	16,85	ZF9	-	210	Kamaz 65111-3960-50	The interaxial distance of the chassis is 3690 mm The interaxial distance of the chassis is 4100 mm
				280	16,85	ZF9	-	350+210	Kamaz 65111-3090-50	
		Y3CT 174T-35	6x4, 2	300	15,15	ZF9	1	350	Kamaz 65115-3052-48	The interaxial distance of the chassis is 3690 mm
				280	14,65		1	350	Kamaz 65115-3052-50	
				280	17,25		-	350	Kamaz 65115-3081-50	
				300	15,15		-	350	Kamaz 65115-3082-48	
280	14,65			-	350		Kamaz 65115-3082-50			
280	17			1	350		Kamaz 65115-3094-50			
Y3CT 174T-36	6x6, 2	400	23,6	ZF16	-	350	Kamaz 6520-3010	The interaxial distance of the chassis is 3600 mm The interaxial distance of the chassis is 4600 mm		
		400	23,1	ZF16	-	350	Kamaz 6520-3072-53			
Y3CT 174T-37	6x6, 2	400	22,75	ZF16	-	350	Kamaz 6522-3010	The interaxial distance of the chassis is 3600 mm		
Y3CT 174T-39	6x6, 1	400	23,1	ZF16	-	350	Kamaz 65222-3010-53	The interaxial distance of the chassis is 4115 mm		
Y3CT 174T-40	6x6, 1	400	19,02	ZF16	1	550	Kamaz 65224-3970	The interaxial distance of the chassis is 4115 mm		
Y3CT 174T-41	6x6, 2	400	22,9	ZF16	1	500	Kamaz 65224-3970	The interaxial distance of the chassis is 3600 mm		
Y3CT 174T-42	8x8, 2-скат.	320	16,12	ZF16	-	210	Kamaz 63501-3960-51	The interaxial distance of the chassis is 3690 mm		
		360	16,12	ZF16	1	210+350	Kamaz 63501-3025-52			

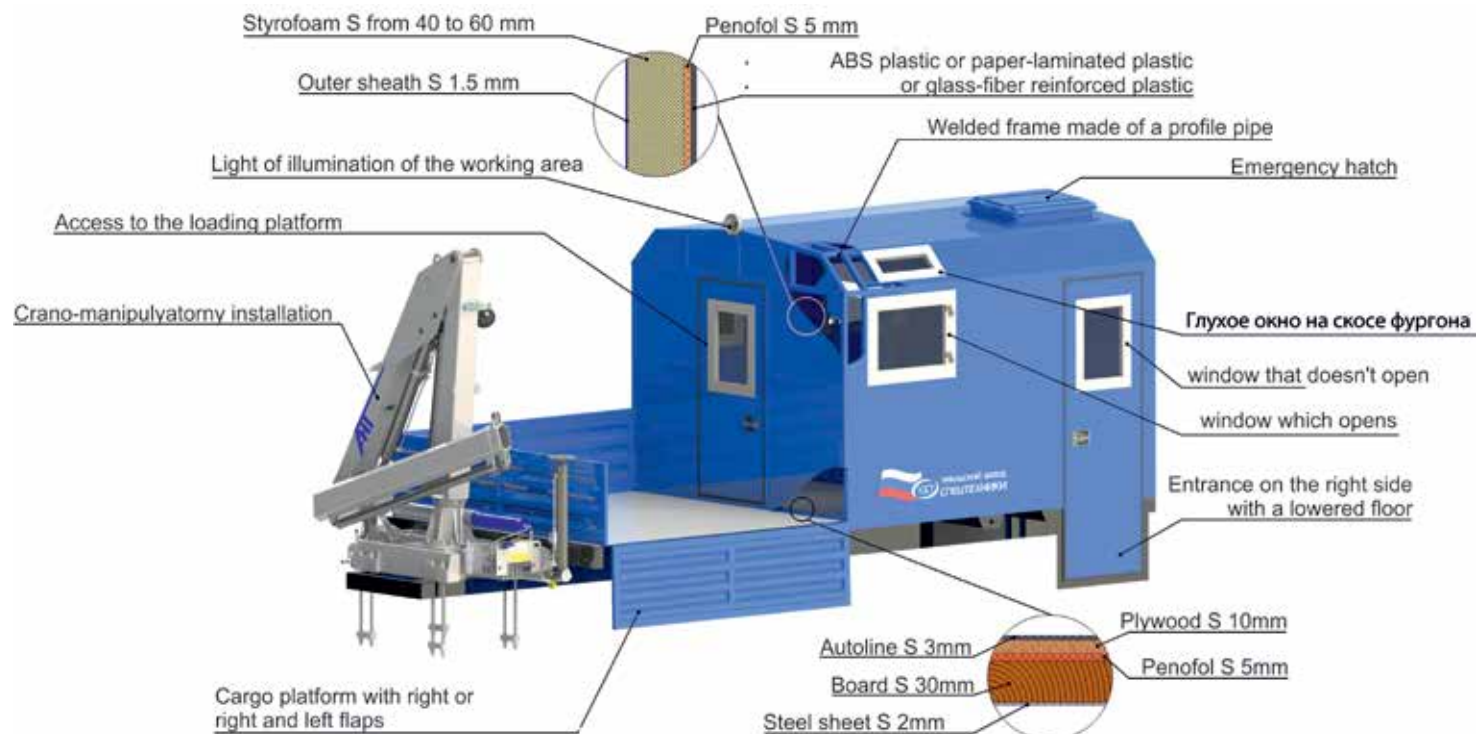
Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ		Y3CT 483F-33	4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	Gaz 3309 Gaz 33098	 <p><b>The complete set of Mobile repair van + Crane manipulator is presented in the form of a insulated single-compartment technological van with a cargo platform.</b>  <b>Van design:</b>                      - metal frame from a profile pipe; - the insulation is «extruded polystyrene 40 mm» + 5 mm foam; - the interior of the van is ABS plastic, the outside of the van is covered with a painted sheet of 1.5 mm.  <b>Technological compartment:</b> entrance door on the right side; workbench; locker; first aid kit; fire extinguisher; anti-rollback stops; side and rear protective device.  <b>Cargo area:</b> - folding starboard side.</p> <p><b>The complete set of Mobile repair van + Crane manipulator with or without a cradle on the back and three seats is presented in the form of a two-tier van with a cargo platform.</b>                      The structure of the van: metal frame from a profile pipe; as insulation is «extruded polystyrene 40 mm + foam 5 mm; the interior of the van-ABS plastic, the outside of the van is sheathed with a painted sheet of 1.5 mm.  <b>Passenger compartment:</b>                      - entrance group on the right side with a low floor, or with a retractable ladder; three seats with three-point safety belts; heater from the internal combustion engine cooling system; emergency hatch; intercom.                      Technological compartment: workbench; locker; first aid kit; fire extinguisher; anti-rollback stops; side and rear protective device.  <b>Cargo area:</b> hinged starboard side.</p>
		Y3CT 483F-34	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33088	
		Y3CT 483F-35	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Gaz 33086	
		Y3CT 483F-36	4x2	152,3	5,4	5 ст.	-	105	Gaz C41R11	
				148,9	5,3			105	Gaz C41R13	
				152,3	5			105	Gaz C41R31	
				148,9	4,9			105	Gaz C41R33	
148,9	4,9			105	Gaz C42R33					
149,6	4,9	ГБО 72,8 м³	Gaz C41R16							
149,6	4,5	ГБО 72,8 м³	Gaz C41R36							
149,6	4,5	ГБО 72,8 м³	Gaz C42R36							
Y3CT 483F-37	4x2	168,9	6,1	5 ст.	-	105	Gaz C41RB3			
URAL	Mobile repair van + Crane manipulator/  Mobile repair van with the right to transport 3+2 people with crane manipulator	Y3CT 483F-20	6x6, 1	230	12	ЯМЗ-2361	-	300+210	Ural 4320-1912-60	
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72	
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-4951-80	
				275	12,5	ЯМЗ-1105	1	300+210	Ural 4320-4971-80	
Y3CT 483F-21	6x6, 1	275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-72Г38			
		312	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-74Г38A31			
		312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38			
KAMAZ		Y3CT 483F-23	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	
				300	12,70	154	-	210	Kamaz 43118-3011-50	
				300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50	
		Y3CT 483F-38	4x4, 1	285	6.3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	
		Y3CT 483F-25	6x6, 1	285	7.64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	
		Y3CT 483F-23	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	
300	12,70			154	-	210	Kamaz 43118-3011-50			
300	12,72			154	-	350+210	Kamaz 43118-3027-50			
300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50					
Y3CT 483F-38	4x4, 1	285	6.3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)			
Y3CT 483F-25	6x6, 1	285	7.64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)			



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
URAL	Unit of land repair of conduits with crane-manipulator	Y3CT 483F-20	6x6, 1	230	12	ЯМ3-2361	-	300+210	Ural 4320-1912-60	<p><b>The unit for ground repair of pipelines with a manipulator crane is presented in the form of a insulated single-section van with a cargo platform.</b></p> <p><b>Van design:</b> - frame - metal from a profile pipe; - "extruded polystyrene foam 40 mm" + penofol 5 mm is used as insulation; - interior decoration of the van - "HDF - gray, outside the van is sheathed with a painted sheet of 1.5 mm.</p> <p><b>Technological compartment:</b> - entrance group on the right side with a low floor; - rear door for access to the cargo area; - Autonomous heater planar 4D-24; - generator EG-202 (driven by the chassis); - workbench; - locker; - rectifier VD-313 + set of electric welder; set of gas cutting equipment; - drilling machine, - emery-Stripping machine; - yews; - a set of locksmith tools, a set of trench tools; first aid kit, fire extinguisher, pump GNOM 25/20 and pressure hose.</p> <p><b>Cargo area:</b> - folding starboard side; - box for oxygen and propane cylinders.</p>
				275	12,5	ЯМ3-1105	-	300+210	Ural 4320-1912-72	
				275	12,5	ЯМ3-1105	-	300+210	Ural 4320-4951-80	
				275	12,5	ЯМ3-1105	1	300+210	Ural 4320-4971-80	
				275	12,5	ZF9	1	300+210	Ural 4320-4971-82	
		Y3CT 483F-21	6x6, 1	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-72Г38	
				312	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-74Г38A31	
				312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38	
		Y3CT 483F-20	6x6, 1	230	12	ЯМ3-2361	-	300+210	Ural 4320-1912-60	
				275	12,5	ЯМ3-1105	-	300+210	Ural 4320-1912-72	
275	12,5			ЯМ3-1105	-	300+210	Ural 4320-4951-80			
275	12,5			ЯМ3-1105	1	300+210	Ural 4320-4971-80			
275	12,5			ZF9	1	300+210	Ural 4320-4971-82			
Y3CT 483F-21	6x6, 1	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-72Г38			
		312	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-74Г38A31			
		312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38			
KAMAZ	Ground pipeline repair unit with a manipulator crane with the right to transport 3+2 people	Y3CT 483F-23	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	<p><b>A unit for repairing an onshore pipeline with a crane, with the right to transport 3 + 2 people, is presented in the form of an insulated double-compartment van with a cargo area.</b></p> <p><b>Van design:</b> - frame - metal from a profile pipe; - "extruded polystyrene foam 40 mm" + penofol 5 mm is used as insulation; - interior decoration of the van - "HDF - gray, outside the van is sheathed with a painted sheet of 1.5 mm.</p> <p><b>Passenger compartment:</b> - entrance group on the right side with a low floor (except 43118-3049-46); - Six seats with three-point seat belts; autonomous heater Planar 4D-24, - folding table; - emergency hatch; - intercom.</p> <p><b>Technological compartment:</b> - rear door for access to the cargo area; - Autonomous heater planar 4D-24; - generator EG-202 (driven by the chassis); - workbench; - locker; - rectifier VD-313 + set of electric welder; set of gas cutting equipment; - drilling machine, - emery-Stripping machine; - yews; - a set of locksmith tools, a set of trench tools; first aid kit, fire extinguisher, pump GNOM 25/20 and pressure hose.</p> <p><b>Load board:</b> - folding starboard side; - box for oxygen and propane cylinders.</p>
				300	12,70	154	-	210	Kamaz 43118-3011-50	
				300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50	
		Y3CT 483F-38	4x4, 1	285	6.3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	
				285	7.64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	
		Y3CT 483F-23	6x6, 1	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	
				300	12,70	154	-	210	Kamaz 43118-3011-50	
				300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50	
Y3CT 483F-38	4x4, 1	285	6.3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)			
		285	7.64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)			

Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment	
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model		
URAL	Equipment for repair and maintenance of pump jacks in oil fields with crane-manipulator /	Y3CT 483F-20	6x6, 1	230	230	12	ЯМ3-2361	-	300+210	Ural 4320-1912-60	<p><b>Equipment for repair and maintenance of pumps in the fields with a manipulator crane, it is presented in the form of a insulated single-compartment van with a cargo platform.</b>  <b>Van construction:</b> - metal frame made of profile pipe; - as the insulation is «extruded polystyrene 40 mm» + foam 5 mm; - the interior of the van - « HDF-gray, the outside of the van is covered with a painted sheet 1.5 mm.</p> <p><b>Technological compartment:</b> - entrance group on the right side with a low floor; - Autonomous heating system Planar 4D-24 - rear door to exit to the cargo area; - generator EG-202 (with drive from the chassis); - Workbench; - locker; - VD-313 rectifier + electric welder kit; - a drilling machine, - an emery-peeling machine; - yews; - a set of bench tools; - a set of trench tools; - fire extinguisher, oil change unit.</p> <p><b>Cargo area:</b> - hinged starboard side; - a box for an oxygen and propane cylinder.</p> <p><b>Equipment for repair and maintenance of the pump in oil fields with a crane, with the right to transport 3 + 2 people, it is presented in the form of a double-compartment insulated van with a cargo area.</b>  <b>Van construction:</b> - metal frame made of profile pipe; - as the insulation is «extruded polystyrene 40 mm» + foam 5 mm; - the interior of the van - « HDF-gray, the outside of the van is covered with a painted sheet 1.5 mm.</p> <p><b>Passenger compartment:</b> - entrance group on the right side with a low floor; - six seats with three-point safety belts; Autonomous heater planar 4D-24, - folding table; - emergency hatch; - intercom.</p> <p><b>Technological compartment:</b> - rear door to exit to the cargo area; - autonomous heater Planar 4D-24; - generator EG-202 (with drive from the chassis); - Workbench; - locker; - VD-313 rectifier + electric welder kit; - a drilling machine, - an emery-peeling machine; - yews; - a set of bench tools, a set of trench tools; first aid kit, fire extinguisher, oil change unit.</p> <p><b>Cargo area:</b> - hinged starboard side; - a box for an oxygen and propane cylinder.</p>
				275	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-1912-72	
				275	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-4951-80	
				275	275	12,5	ЯМ3-1105	1	300+210	Ural 4320-4971-80	
				275	275	12,5	ZF9	1	300+210	Ural 4320-4971-82	
Y3CT 483F-21	6x6, 1	275	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-72Г38			
		312	312	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-74Г38A31			
		312	312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38			
		230	230	12	ЯМ3-2361	-	300+210	Ural 4320-1912-60			
		275	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-1912-72			
Y3CT 483F-20	6x6, 1-скат.	275	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-4951-80			
		275	275	12,5	ЯМ3-1105	1	300+210	Ural 4320-4971-80			
		275	275	12,5	ZF9	1	300+210	Ural 4320-4971-82			
		275	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-72Г38			
		275	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-74Г38A31			
Y3CT 483F-21	6x6, 1	275	275	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-72Г38			
		312	312	12,5	ЯМ3-1105	-	300+210	Ural 4320-6952-74Г38A31			
		312	312	12,5	ZF9	-	300+210	Ural 4320-6952-74Г38			
		300	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50			
		300	300	12,70	154	-	210	Kamaz 43118-3011-50			
KAMAZ	Equipment for repair and maintenance of pumps in oil fields with a manipulator crane, with the right to transport 3 + 2 people	Y3CT 483F-23	6x6, 1	300	300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	300	12,72	ZF9	1	350+210	Kamaz 43118-3049-50	
				300	300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50	
		Y3CT 483F-38	4x4, 1	285	285	6.3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)	
				285	285	7.64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	
		Y3CT 483F-25	6x6, 1	300	300	12,72	ZF9	-	350+210	Kamaz 43118-3017-50	
				300	300	12,70	154	-	210	Kamaz 43118-3011-50	
				300	300	12,72	154	-	350+210	Kamaz 43118-3027-50	
				300	300	12,78	ZF9	1	350+210	Kamaz 43118-3049-50	
Y3CT 483F-38	4x4, 1	285	285	6.3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)			
		285	285	7.64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)			



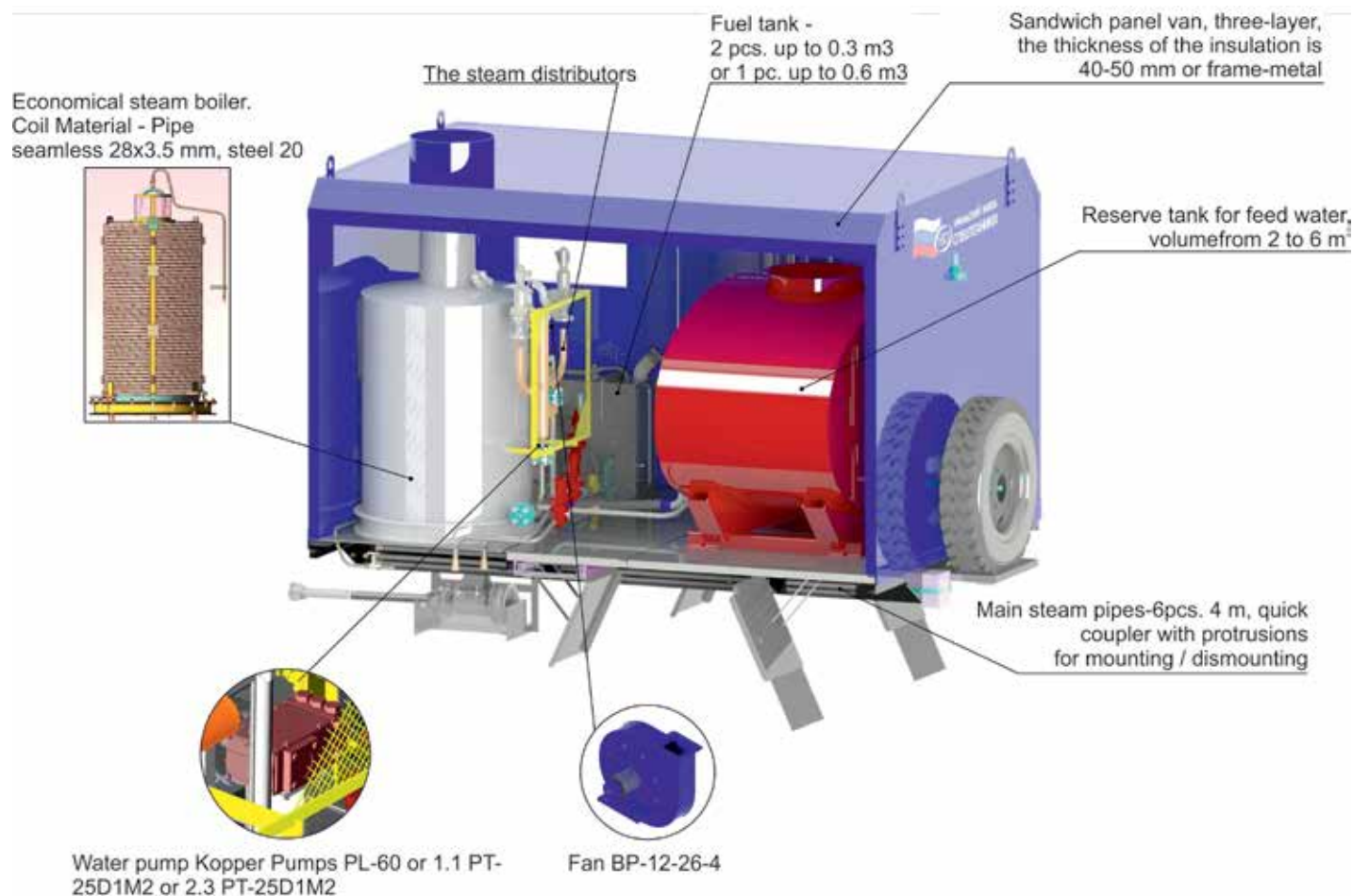
**CONSTRUCTION FEATURES OF THE MODEL  
MOBILE REPAIR VAN + CRANE MANIPULATOR**



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment				
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model					
GAZ	ППУ-500/0.6	УЗСТ 6890-25	4x2	125,3	5	ГАЗ 5ст.	-	105	Gaz 3309					
				148,9				105			Gaz 33098			
		УЗСТ 6890-27	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33086					
		УЗСТ 6890-28	4x2	152,3	5,4	5 ст.	-	105	Gaz C41R11					
				148,9	5,3			105	Gaz C41R13					
				152,3	5			105	Gaz C41R31					
148,9	4,9			105	Gaz C41R33									
УЗСТ 6890-28	4x2	148,9	4,9	5 ст.	-	105	Gaz C42R33							
		149,6	4,9			ГБО 72,8 м³	Gaz C41R16							
		149,6	4,5			ГБО 72,8 м³	Gaz C41R36							
УЗСТ 6890-29	4x2	168,9	6,1	5 ст.	-	105	Gaz C41RB3							
URAL	ППУ-500/0.6	УЗСТ 6890-15	6x6, 1	230	12	ЯМЗ-2361	-		300+210	Ural 4320-1912-60				
				275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-72					
	УЗСТ 6890-15	6x6, 1	230	12	12,5	ЯМЗ-2361	-	300+210	Ural 4320-1912-60					
									275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-1912-70
														312
									275	12,5	ЯМЗ-1105	-	300+210	
														312
									312	12,5	ЯМЗ-1105	1	300+210	
	УЗСТ 6890-18	6x6, 1	275	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-72Г38						
								312	12,5	ЯМЗ-1105	-	300+210	Ural 4320-6952-74Г38А31	
312													12,5	ЯМЗ-1105
УЗСТ 6890-16	6x6, 1	230	12	12,5	ЯМЗ-2361	-	210+180	Ural 5557-1112-60						
								275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-1112-72	
													275	12,5
								275	12,5	ЯМЗ-1105	-	210+210		
УЗСТ 6890-19	6x6, 1	275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-6152-72Г38							
							275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-6152-72М28		
												312	12,5	ЯМЗ-1105
KAMAZ	ППУ-500/0.6	УЗСТ 6890-30	6x6, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)					
									УЗСТ 6890-21	6x6, 1	300	12,72	154	-
		12,70	154	-	350+210	Kamaz 43118-3011-50								
						12,72	154	-	350+210	Kamaz 43118-3027-50				
	12,78	154	-	350+210	Kamaz 43118-3049-50									
					УЗСТ 6890-30	4x4, 1	285	6,3	ZF9	-	210+210	Kamaz 43502-3036-66(D5)		
УЗСТ 6890-21	6x6, 1	300	12,72	154								-	350+210	Kamaz 43118-3017-50
					12,70	154	-	350+210	Kamaz 43118-3011-50					
									12,72	154	-			350+210
					12,78	154	-	350+210						


**Main parameters:**  
**Frame-metal or sandwich panels, length no more than 4900 mm (3500 mm for GAS)**  
 - Water pump Kopper Pumps PL-60/Hikarimai EFG-2821/  
 - Water pump 1,1 ПТ-25Д1М2/  
 - Water pump 2,3 ПТ-25Д1М2  
 Fan VR12-26-4 right rotation, 90°; Fuel pump NSh-10D right rotation; - The safety valve (2 pieces) - execution under UZST; -  
 Steam boiler: coil material - seamless cold-deformed pipe 28x3.5 mm, st 20; Two-burner burner device; Danfoss nozzles; - Tank supply of feed water 5.2 m³ ellipse section; - Fuel tank 2 pcs. 0.3 m³ each; Placement of spare wheel bracket in the rear of the van.  
**Spare parts:** Steam hose (1 pc.) - PAR-2, DN25 20 m; Pica 1 pc. 1.5 m; Spare parts for water pump 1 pc.  
**Security tool:**  
 Fire extinguisher 1 pc.; - first aid kit - 1 PC.; - emergency stop sign 1 pc.; - anti - rollback stop 2 pcs. with brackets; - spark extinguisher 1 pc. certified; - rear and side protective device.

**DESIGN FEATURES OF THE MODEL  
MOBILE STEAM GENERATING UNIT**

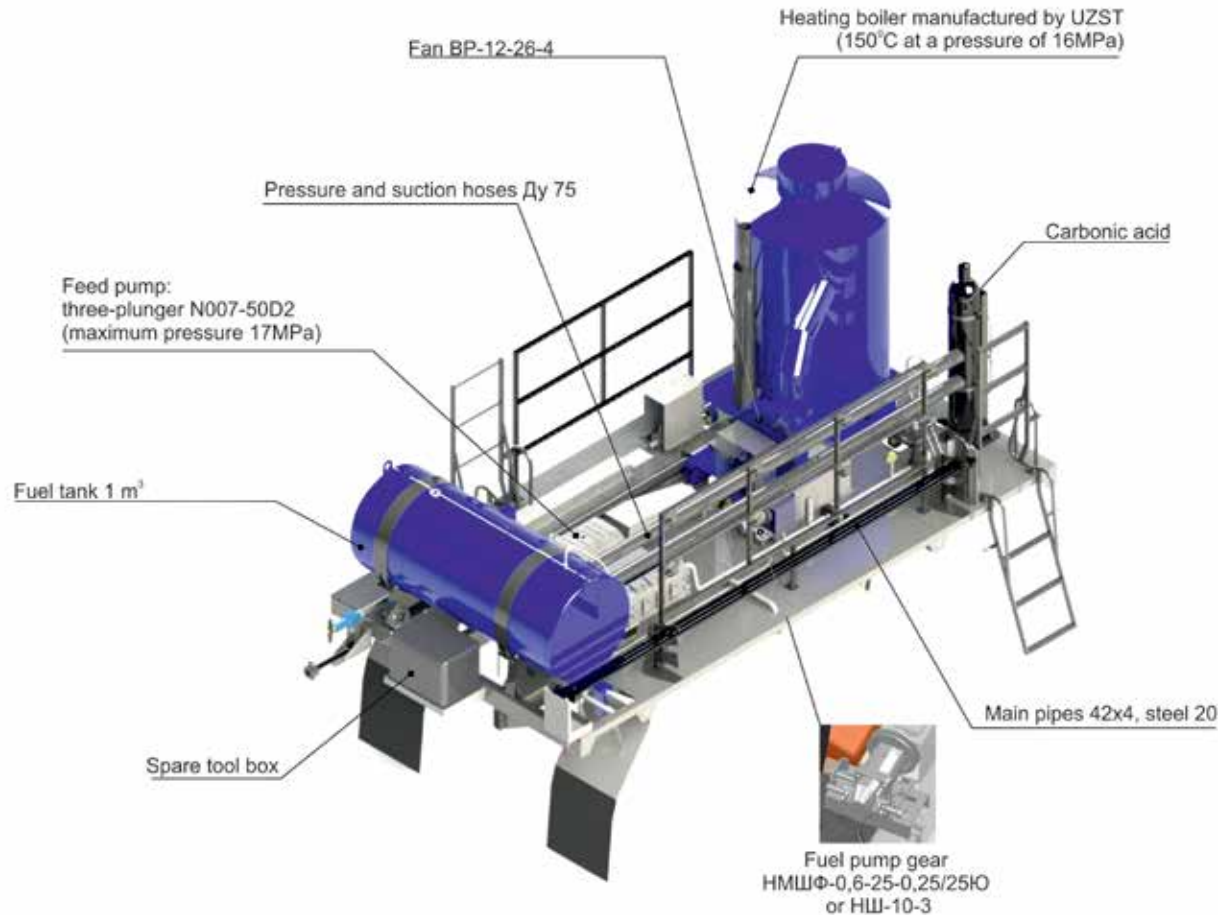


The mobile steam generator unit (PPU) is designed for dewaxing the bottom-hole zone of wells, pipelines, tanks and other oilfield equipment by steam treatment of low or high pressure, as well as for heating and washing motor vehicles, heating industrial, municipal, domestic, water and gas equipment. The installation can be used for heating and steaming concrete at construction sites, steaming asphalt, blowing coating during road construction.





Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
URAL	Units of dewaxing of wells	УЗСТ 6891-16	6x6, 1	230 275	6,9 7,3	ЯМЗ-2361 ЯМЗ-1105	- -	300+180 300+180	Ural 4320-1112-61 Ural 4320-1112-73	 <p><b>Units of dewaxing of wells equipment is presented in the form of a platform with assemblies mounted on it.</b>  <b>Unit operation control:</b>  - from the driver's cab, in which are installed: - instrument panel; - valve wheel to adjust the fuel pressure; - fan damper actuator.  <b>Heater (150° S at 16mpa pressure):</b>  - outer coil 890 mm; boiler tube 42 * 4; steel 20; - inner coil 700 mm; boiler tube 42 * 4, steel 20; - spiral coil.  <b>Fuel system:</b>  - fuel tank 1 m<sup>3</sup>; - fuel pump gear HMШФ-0.6-25-0.25 / 25Ю or HШ-10-3; - pipeline system with shut-off and control valves and instrumentation (BO-4, 30KЧ70BP, Py4kgs/ cm<sup>2</sup> wedge flanged gate valve; -ЗКС-160, Ду40 wedge coupling gate valve; - needle shut-off valve; - check valve coupling; drainage valve Ду15, 15с546к2, Ру 16MPa; - angle shut-off and control valve Ду32, 22лс70нк); - leak collection system.  <b>Feed pump:</b>  - <b>three-plunger H007-50Д2 (at a pressure of 17 MPa).</b>  <b>Auxiliary pipelines:</b> - suction hoses Ду75; - main pipes (boiler pipe 42 * 4 ТУ 14-3P-55-2001, steel20); - connecting elbows (boiler pipe 42 * 4, steel20); - connector (тап Ду15); - adapter.  <b>Fire fighting equipment and means for the removal of static electricity:</b>  - fire extinguisher; - carbon dioxide supply system.  Electrical equipment: - electrical system of the unit "single-wire".  <b>Exhaust system:</b>  - switch; - spark arrester; - pipeline.</p>
		УЗСТ 6891-17	6x6, 1	230	6,8	ЯМЗ-2361	-	300+180	Ural 43203-1151-61	
		УЗСТ 6891-18	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105 ZF9	- - 1 1	210+180 210+180 210+210 210+210	Ural 5557-1112-60 Ural 5557-1112-72 Ural 5557-4112-80 Ural 5557-4112-82	
		УЗСТ 6891-19	6x6, 1	275	7,3	ЯМЗ-1105	-	300+180	Ural 4320-6152-73Г38	
		УЗСТ 6891-20	6x6, 1	275 275 312	12,5	ЯМЗ-1105 ЯМЗ-1105 ZF9	-	210+180	Ural 5557-6152-72Г38 Ural 5557-6152-72М28 Ural 5557-6152-74М28	
		KAMAZ	Units of dewaxing of wells	УЗСТ 6891-28	4x4, 1	285	6,3	ZF9	-	
УЗСТ 6891-22	6x6, 1			285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	
УЗСТ 6891-23	6x6, 1			300	12,72 12,70 12,72 13 12,78	ZF9 154 154 ZF9 ZF9	- - - - 1	350+210 210 350+210 350 350+210	Kamaz 43118-3017-50 Kamaz 43118-3011-50 Kamaz 43118-3027-50 Kamaz 43118-3938-50 Kamaz 43118-3049-50	

## DESIGN FEATURES OF THE UNIT MODEL FOR WELL DEWAXING

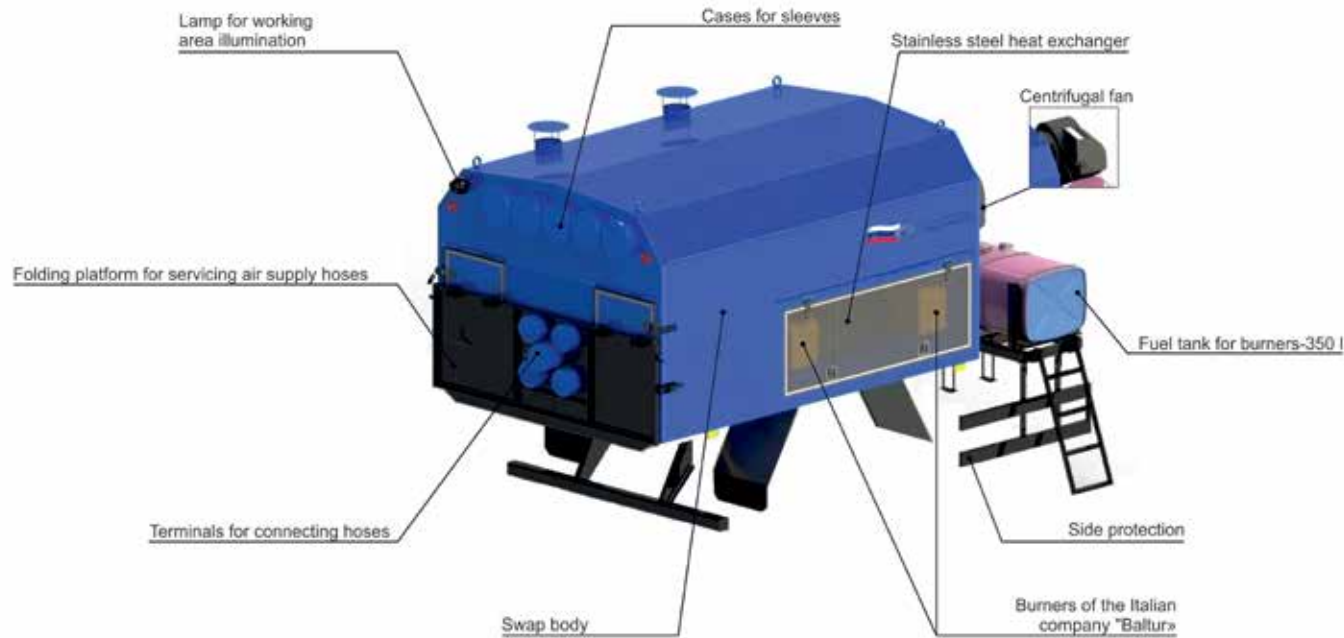


The Units of dewaxing of wells is designed for heating and pumping hot oil through oil pipelines into the well to remove paraffin deposit, as well as for other process operations where high-pressure delivery fluid is required. The whole unit consists of several units and systems: coil-type heater, pressure pump, power transmission, auxiliary equipment, pipelines, instrumentation and automation system. The principle of the unit operation is as follows: oil from the tank is sucked by the pump and pumped through the heater coils. When moving through coils, oil is heated to a certain temperature and then injected into the well through the pressure pipeline.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ		Y3CT 6892-11	4x2	125,3	5	ГАЗ 5ст.	-	105	Gaz 3309	 
		148,9		5	105			Gaz 33098		
		Y3CT 6892-12	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Gaz 33088	
		Y3CT 6892-13	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Gaz 33086	
		Y3CT 6892-14	4x2	152,3	5,4	5 ст.	-	105	Gaz C41R11	
				148,9	5,3			105	Gaz C41R13	
152,3	5			105	Gaz C41R31					
148,9	4,9			105	Gaz C41R33					
148,9	4,9			105	Gaz C42R33					
149,6	4,9	ГБО 72,8 м³	Gaz C41R16							
149,6	4,5	ГБО 72,8 м³	Gaz C41R36							
149,6	4,5	ГБО 72,8 м³	Gaz C42R36							
Y3CT 6892-15	4x2	168,9	6,1	5 ст.	-	105	Gaz C41RB3			
URAL		Y3CT 6892-06	4x4, 2	230	5,5	ЯМЗ-2361 ЯМЗ-1105 ЯМЗ-1105	-	210	Ural 43206-1112-61	<p>Outputs for sleeves - 3 pcs.; Burners Baltur (Italy) - 2 pcs.; Set of sleeves - 5 pcs. 6 meters each; Fuel tank - 350 l; Centrifugal fan - 1 pc.</p>
				240	6				Ural 43206-1112-71	
				240	6				Ural 43206-6152-71Г38	
Y3CT 6892-05	6x6, 1	230	6,9	ЯМЗ-2361	-	300+180	Ural 4320-1112-61			
		275	7,3	ЯМЗ-1105	-	300+180	Ural 4320-1112-73			
		275	7,3	ЯМЗ-1105	-	300+180	Ural 4320-4151-81			
KAMAZ		Y3CT 6892-07	4x4, 1	285	6,3	ZF9 ZF9	-	210+210	Kamaz 43502-3036-66(D5)	
				285	5,9			210+210	Kamaz 43502-3038-66(D5)	
Stationary universal motor heater (УМП-400)		<p><b>Main parameters:</b> Burners - Baltur BTL-20 (220V); Air heater - UMP400-20.01.000; Centrifugal fan - VR-280-46-5 - 1 pc.; Heat generator - Maximum thermal power, kW (Gcal / h) - 400 (0.344), Temperature at the outlet of the heater, 110°; Pre-heating system for burners - Flexible ribbon heater; - Fuel tank - 350 l; The number of conclusions for the sleeves - 5 pcs.; - Capacity of cases for sleeves, 15 pcs. ;</p> <p><b>The van:</b> - Size van - 5600x2300x2100 mm; Frame made of profiled tubes 40x40 mm; Outer skin - steel sheet; Inner lining - galvanized steel sheet; Door: right hinged double leaf for access to the burners, the rear 2 pieces to access the control Board and the fan, left 2 pieces to access the thermocouple and the exhaust system; Stairs to access the canisters for the sleeves in the back.</p> <p><b>Electric equipment:</b> Electric motor - 5AAI 160S6 Y2 IP55 380/660 V 11 kW, 970 rpm; Lighting - 24 V; External input - connector for connecting to an external power source 380V (20 kW);</p> <p><b>Spare tool box:</b> Set of air supply hoses - ДУ 215-220 - 5 pcs. 6 m each;</p> <p><b>Security features:</b> OP-6 fire extinguisher - 1 pc.; first-aid kit - 1 pc.; Grounding device - 1 pc. - 3Y-1.021</p>							<p>Outlets for sleeves - 5 pcs. Baltur burners (Italy) - 2 pcs. Set of sleeves - 5 PCs. 6 m each. Fuel tank - 350 l. Centrifugal fan - 1 pc.</p>	



## CONSTRUCTION FEATURES OF THE MODEL UNIVERSAL MOTOR AIR HEATER



Universal mobile air heater is designed for heating various technological equipment, pipelines, engines and salons of aircraft, air heating for salons and conduits. hydraulic power plants for top drive systems and blowout preventers, as well as for equipment operating at ambient temperatures from 0 °C to minus 45 °C.

The universal heater is equipped with flexible air ducts (sleeves) for supplying heat to heated objects. Equipment design allows for quick deployment and launch.



Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
GAZ	АИС (Привод лебедки «гидравлический»)	УЗСТ 5840-13	4x2	125,3 148,9	5 5	ГАЗ 5ст. ГАЗ 5ст.	- -	105 105	Газ 3309 Газ 33098	 
		УЗСТ 5840-14	4x4	148,9	2,7	ГАЗ 5ст.	-	105	Газ 33088	
		УЗСТ 5840-15	4x4	148,9	4,4	ГАЗ 5ст.	-	105	Газ 33086	
		УЗСТ 5840-16	4x2	152,3	5,4	5 ст.	-	105	Газ С41R11	
				148,9	5,3			105	Газ С41R13	
				148,9	5			105	Газ С41R31	
				148,9	4,9			105	Газ С41R33	
УЗСТ 5840-16	4x2	149,6	4,9	ГБО 72,8 м³	-	105	Газ С42R33			
		149,6	4,9			105	Газ С41R16			
		149,6	4,5			105	Газ С41R36			
УЗСТ 5840-17	4x2	168,9	6,1	5 ст.	-	105	Газ С41RB3			
URAL	АИС (Привод лебедки «гидравлический»)	УЗСТ 5840-06	6x6, 1	230	6,9	ЯМЗ-2361	-	300+180	Ural 4320-1112-61	
				275	7,3	ЯМЗ-1105	-	300+180	Ural 4320-1112-73	
				275	7,3	ЯМЗ-1105	-	300+210	Ural 4320-4151-81	
		УЗСТ 5840-07	6x6, 1	230	12	ЯМЗ-2361	-	210+180	Ural 5557-1112-60	
				275	12,5	ЯМЗ-1105	-	210+180	Ural 5557-1112-72	
				275	13	ЯМЗ-1105	-	210+210	Ural 5557-4151-80	
УЗСТ 5840-07	6x6, 1	275	12,5	ЯМЗ-1105	1	210+210	Ural 5557-4112-80			
		312	12,5	ZF9	1	210+210	Ural 5557-4112-82			
KAMAZ	АИС (Привод лебедки «гидравлический»)	УЗСТ 5840-01	6x6, 1	280 280	8,6 8,6	ZF9 ZF9	1 -	210+210 210+210	Kamaz 5350-3027-42 Kamaz 5350-3029-42	
		УЗСТ 5840-09	6x6, 1	285	7,64	ZF9	-	210+210	Kamaz 5350-3054-66(D5)	

The Mobile oil well research station configuration is presented in the form of a insulated two-compartment van.

**The design of the van:**

- frame - metal from a profile pipe;
- "extruded polystyrene foam 40 mm" + penofol 5 mm is used as insulation;
- the interior of the van is "composite aluminum sheet", the outside of the van is sheathed with a painted sheet of 1.5 mm.

**Operator compartment:**

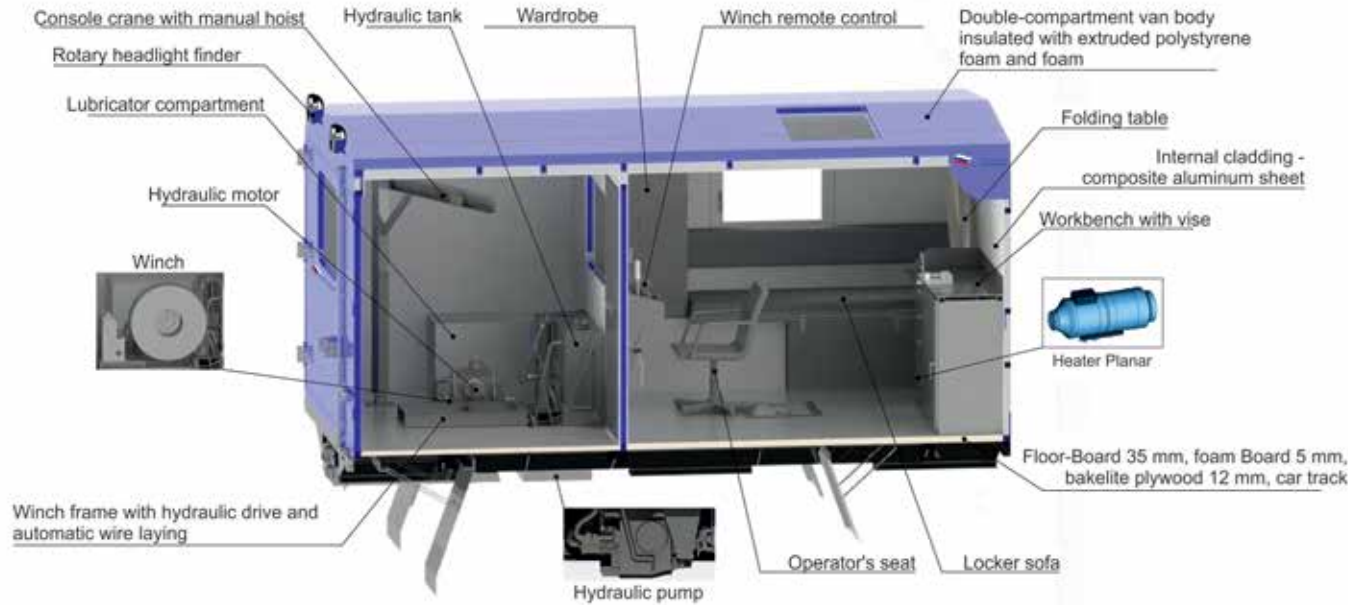
- front door;
- window;
- rotatable height-adjustable operator's seat;
- control panel;
- sofa;
- Autonomous heater planar 4D-24;
- ceiling lights;
- table with the vise.

**Winch compartment:**

- double wing swing door;
  - Two swivel headlamp-finders;
  - Console with manual drive and hydraulic drive.
- Wire L = 4-5 km (D = 1.8-2.2 mm)



## CONSTRUCTION FEATURES OF THE MODEL MOBILE OIL WELL RESEARCH STATION



Mobile oil well research station is designed to deliver equipment and teams to the places of descent and lifting operations during geophysical research in search, exploration and production oil and gas wells, conducted with the help of depth devices lowered on a wire. AIS is designed for operation in any climatic conditions and is able to withstand significant loads when driving over rough terrain.

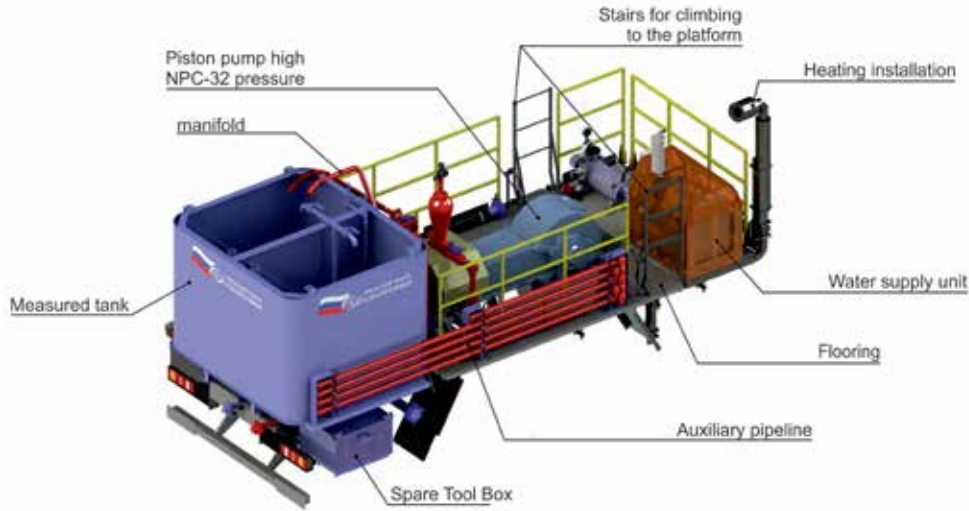
The equipment AIS-1:

- winch control panel - operator's swivel chair;
- sofa-locker;
- workbench;
- yew trees;
- folding table;
- wardrobe;
- intercom.

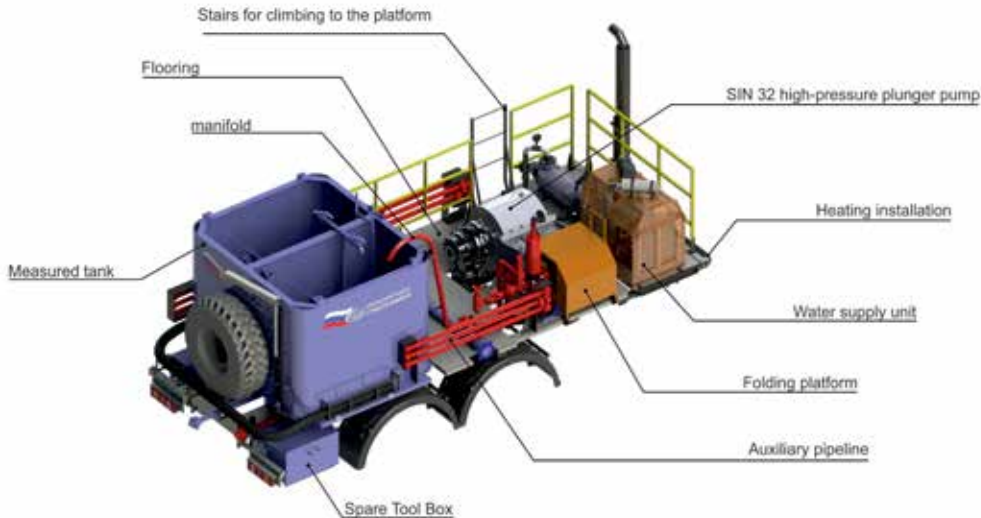


Chassis	Denomination	Modification	Features chassis configuration							Design features of the attachment
			Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model	
<b>With SIN32 high pressure plunger pump</b>										
URAL	Pmax=32 MPa, plunger's D=125 mm. (Without water supply unit)	Y3CT 5870-07	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105 ZF9	- - 1 1	300+210 300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4972-80 Ural 4320-4972-82	<b>SIN32.00.400.000-002 high pressure plunger pump:</b> - diameter of plungers D125 mm for cementing - maximum discharge pressure Pmax = 32MPa - maximum ideal flow 18 l / s <b>Measuring tank:</b> - two-section V = 6 m <sup>3</sup>
		Y3CT 5870-08	6x6, 1	275 312 312	12,5 12,5 12,5	ЯМ3-1105 ЯМ3-1205 ZF9	- - -	300+210 300+210 300+210	Ural 4320-6952-72Г38 Ural 4320-6952-74Г38A31 Ural 4320-6952-74Г38	
KAMAZ	Y3CT 5870-09	6x6, 1	300	12,72 12,70 12,72 12,78	12,72 12,70 12,72 12,78	ZF9 154 154 ZF9	- - - 1	350+210 210 350+210 350+210	Kamaz 43118-3017-50 Kamaz 43118-3011-50 Kamaz 43118-3027-50 Kamaz 43118-3049-50	
				Y3CT 5870-10	6x6, 1	285	8,55	ZF9	-	
URAL	Pmax=50 MPa, plunger's D=100 mm. (Without water supply unit)	Y3CT 5870-07	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105 ZF9	- - 1 1	300+210 300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4972-80 Ural 4320-4972-82	<b>High pressure plunger pump SIN32. 00.400.000-002:</b> - diameter of plungers D 100mm for cementing - maximum discharge pressure Pmax = 50 MPa - the most perfect flow of 11.5 l / s <b>Volumetric tank:</b> - two-section V = 6 m <sup>3</sup>
		Y3CT 5870-08	6x6, 1	275 312 312	12,5 12,5 12,5	ЯМ3-1105 ЯМ3-1205 ZF9	- - -	300+210 300+210 300+210	Ural 4320-6952-72Г38 Ural 4320-6952-74Г38A31 Ural 4320-6952-74Г38	
KAMAZ	Y3CT 5870-09	6x6, 1	300	12,72 12,70 12,72 12,78	12,72 12,70 12,72 12,78	ZF9 154 154 ZF9	- - - 1	350+210 210 350+210 350+210	Kamaz 43118-3017-50 Kamaz 43118-3011-50 Kamaz 43118-3027-50 Kamaz 43118-3049-50	
				Y3CT 5870-10	6x6, 1	285	8,55	ZF9	-	
<b>With high-pressure piston pump NPC-32</b>										
URAL	Pmax=23 MPa, piston D=115 mm. (Without water supply unit)	Y3CT 5870-07	6x6, 1	230 275 275 312	12 12,5 12,5 12,5	ЯМ3-2361 ЯМ3-1105 ЯМ3-1105 ZF9	- - 1 1	300+210 300+210 300+210 300+210	Ural 4320-1912-60 Ural 4320-1912-72 Ural 4320-4972-80 Ural 4320-4972-82	<b>High pressure piston pump NPC-32:</b> - piston D115 mm - high pressure Pmax = 23MPa. - highest ideal flow rate = 21.2 l / s - smallest ideal flow rate = 4.8 l / s <b>Measuring tank:</b> - two-section V = 6 m <sup>3</sup>
		Y3CT 5870-08	6x6, 1	275 312 312	12,5 12,5 12,5	ЯМ3-1105 ЯМ3-1205 ZF9	- - -	300+210 300+210 300+210	Ural 4320-6952-72Г38 Ural 4320-6952-74Г38A31 Ural 4320-6952-74Г38	
KAMAZ	Y3CT 5870-09	6x6, 1	300	12,72 12,70 12,72 12,78	12,72 12,70 12,72 12,78	ZF9 154 154 ZF9	- - - 1	350+210 210 350+210 350+210	Kamaz 43118-3017-50 Kamaz 43118-3011-50 Kamaz 43118-3027-50 Kamaz 43118-3049-50	
				Y3CT 5870-10	6x6, 1	285	8,55	ZF9	-	

## Cementing unit (piston pump)



## Cementing unit (plunger pump)





Cementing unit is designed for pumping working fluids when cementing wells during drilling and major repairs, during other flushing and sales operations at oil and gas wells. Thanks to mobile installations, you can:

- to break up layers of soil (by hydraulic method);
- rinse and clean the wells from the sandy tubes;
- drill additional barrels;
- acid treatment.

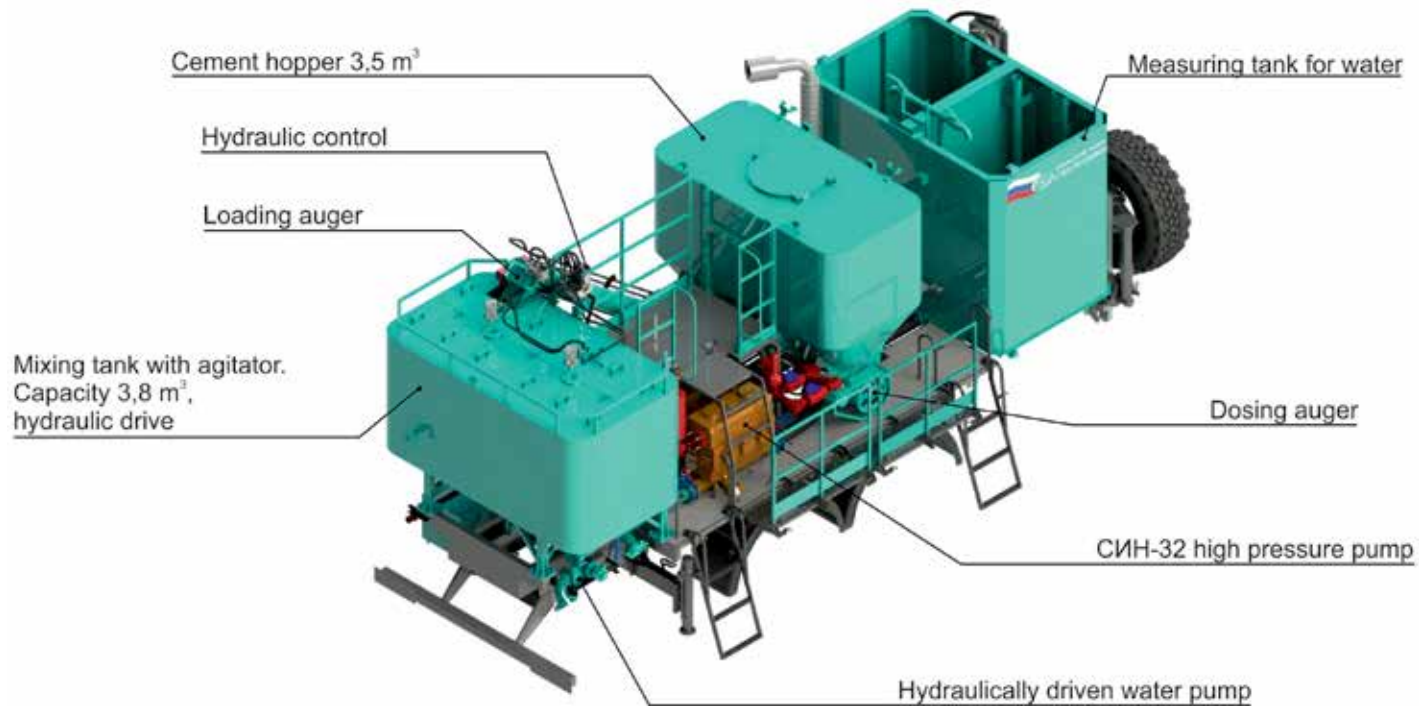
Operation of Cementing units often occurs in areas where there are no equipped entrances with a hard surface, which is why we choose all-wheel drive chassis with a wheel formula of 6x6, to ensure high cross-country traffic.



Chassis	Denomination	Features chassis configuration								Design features of the attachment
		Power, hp.	Power, hp.	Weight of transported cargo, t	Transmission	Berth	Fuel tank, l	Chassis model		
<b>С плунжерным насосом высокого давления СИН32</b>										
URAL	Cementing and mixing installation (High pressure pump СИН32)	УЗСТ 5870-07	6x6, 1	230	12	ЯМЗ-2361	Нет	300+210	Ural 4320-1912-60	 
				275	12,5	ЯМЗ-1105	Нет	300+210	Ural 4320-1912-72	
	275	12,5		ЯМЗ-1105	1	300+210	Ural 4320-4972-80			
	312	12,5		ZF9	1	300+210	Ural 4320-4972-82			
	УЗСТ 5870-08	6x6, 1	275	12,5	ЯМЗ-1105	Нет	300+210	Ural 4320-6952-72Г38		
			312	12,5	ЯМЗ-1205	Нет	300+210	Ural 4320-6952-74Г38А31		
			312	12,5	ZF9	Нет	300+210	Ural 4320-6952-74Г38		
KAMAZ	Cementing and mixing installation (High pressure pump СИН32)	УЗСТ 5870-09	6x6, 1	300	12,72	ZF9	Нет	350+210	Kamaz 43118-3017-50	
					12,70	154	Нет	210	Kamaz 43118-3011-50	
	12,72	154			Нет	350+210	Kamaz 43118-3027-50			
	12,78	ZF9			1	350+210	Kamaz 43118-3049-50			
	УЗСТ 5870-10	6x6, 1	285	8,55	ZF9	Нет	210+210	Kamaz 5350-3061-66(D5)		

**SIN-32 high-pressure pump:** the diameter of the plungers is 100 mm. (P = 50 MPa) or 125 mm. (P = 32 MPa)  
**Water supply pump** with hydraulic drive (maximum flow-7.5 l / s)  
**Cement hopper: capacity-3.5 m<sup>3</sup>**  
 Mixing tank with agitator: capacity-3,8 m<sup>3</sup>, drive-hydraulic  
**Measuring tank:** capacity-6 m<sup>3</sup>  
**Manifold:** - receiving line - 100 mm; - delivery line - 50 mm.  
**Equipment:** - suction hose Du75, length 6 m, with DBS; - suction hose Du100, length 6 m; - pressure hose Ru16, Du50, length 10 m; knee hinged.

## DESIGN FEATURES OF THE MODEL CEMENTING MIXING INSTALLATION



Purpose of the cementing mixing installation: transportation of dry powdery materials (cement, grouting mixes, etc. up to 4 tons) with a regulated supply of these materials by augers; preparation of grouting solutions, accumulation and mixing of grouting solutions, injection of various liquid media in the process of cementing wells during major repairs, as well as during other flushing and sales operations at oil wells.



# **TRAILED VEHICLES**

In the market of specialized equipment, the demanded service is the production of semi-trailers for transportation of oil products, bulk materials, gaseous and heavy cargoes.

«Trailer Equipment» LLC can offer a wide range of motor vehicles of various functional purposes: semi-trailers-tanks for technical water and petroleum products, open on-board platforms, semi-trailers of heavy vehicles for delivery of heavy equipment and other various cargoes. Our designers will tell and recommend trailers and semi-trailers for a specific vehicle tractor, with the necessary characteristics in accordance with the specifications and requirements.

The plant's products are successfully operated in harsh conditions of the far north: KhMAO, YANAO, Saha Yakutia; In the impassable taiga of Siberia and sandy deserts of Asia: Uzbekistan, Kazakhstan, Turkmenistan. The plant constantly expands the geography of special equipment deliveries to new markets. In connection with systematic and frequent long-distance shipments, a transport department is organized, delivering the equipment in-house, monitoring it on the way and fully responsible for the safety of the distilled equipment.



## **TRAILER and semi-TRAILER EQUIPMENT**

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### **SEMI-TRAILERS TANKS**

- Tank semi-trailers for transportation and storage of light oil products
- Tank semi-trailers for transporting and unloading oil and oil-containing liquids
- Tank semi-trailers for transportation of industrial water and saline solutions
- Tank semi-trailers for mechanized collection, transportation and unloading of gas condensate, oil and oil-containing products
- Tank trailers

### **ON-BOARD SEMI-TRAILERS**

### **SEMI-TRAILER TRAWL**



**STANDARD EQUIPMENT FOR 2 AND 3 AXLE TANK SEMI-TRAILERS FOR TRANSPORTATION AND STORAGE OF LIGHT PETROLEUM PRODUCTS:**

- frame construction;
- pivot axle SAF;
- the connection of the tank with the frame using the tie-rods;
- steel grade of tank shells - 09Г2С, sheet thickness - 4 mm;
- the color of the tank is orange (super gloss RAL-2004), the inscription on the tank is "FIRE DANGER";
- fire extinguishers OP-6-2 PCs. with packing in plastic containers;
- remote earth ground, the grounding circuit;
- boxes for sand;
- 3 holders for information plates;
- pressure and suction hoses DU-75-2 pcs., with packing in pencil cases;
- bottom valve UZST DKP-90 or VO-100, Du-100 (for each section separately);
- breathing valve УД-2-80 (for each section separately);
- bottom valve control unit-Sening (Germany);
- rear and side protection device;
- the tank mouths are equipped with a ladder and a platform for servicing;
- brake system-pneumatic driven by ABS chassis;
- electrical equipment-two-wire, 24V, from the tractor.

**ADDITIONAL PACKAGE SEMI-TRAILER TANK FOR TRANSPORTATION AND STORAGE OF LIGHT OIL PRODUCTS:**

- Installation of a hydraulic drive with a pump UZS CBH-80AY;
- Installation of hydraulic drive with pump 1СЦЛ-20-24ГМ;
- Installation of the fuel delivery unit (pump UZST CBH-80AY with hydraulic drive, liquid counter ППО-25 1 pc., Sleeve DU-25 9 m with laying in the drum, handout gun OPV-16 1 pc.;
- Thermal insulation of the tank 50 mm to 20 m<sup>3</sup>.

**TANK SEMI-TRAILERS 2-AXLE FOR TRANSPORTATION AND STORAGE OF LIGHT OIL PRODUCTS**

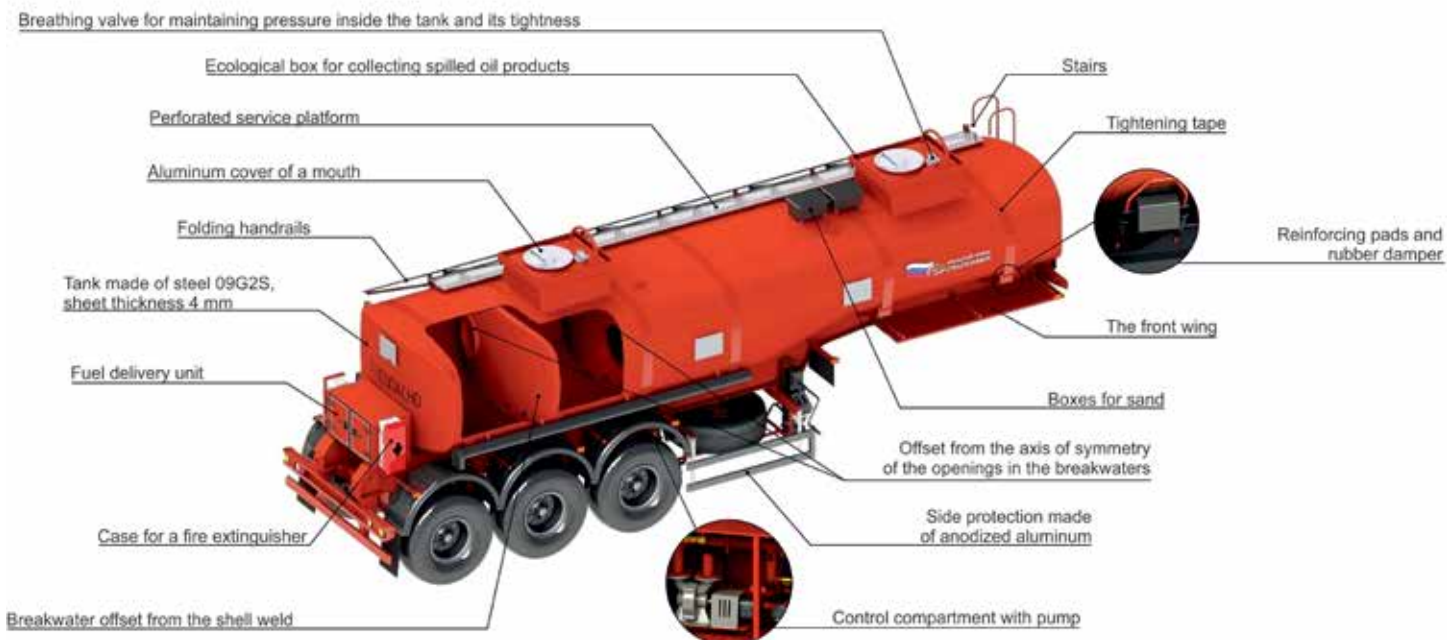
Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
Y3CT 9175	15-24.9 m <sup>3</sup>	2/4+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	10.00.R20 11.00.R20 12.00R20	
Y3CT 9175	25-35 m <sup>3</sup>	2/4+1	385/65R22.5 445/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	11.00R20 12.00R20	

**TANK SEMI-TRAILERS 3-AXLE FOR TRANSPORTATION AND STORAGE OF LIGHT OIL PRODUCTS**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
Y3CT 9174	15-34.9 m <sup>3</sup>	3/6+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		3/12+1	10.00R20 11.00.R20 12.00R20	
Y3CT 9174	35-45 m <sup>3</sup>	3/6+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		3/12+1	11.00R20 12.00R20	



**КОНСТРУКТИВНЫЕ ОСОБЕННОСТИ МОДЕЛИ ПОЛУПРИЦЕПА-ЦИСТЕРНЫ ДЛЯ  
ТРАНСПОРТИРОВКИ И ХРАНЕНИЯ СВЕТЛЫХ НЕФТЕПРОДУКТОВ**



The tank semi-trailer for fuel and lubricants is intended for transportation and storage of light oil products (fuels and lubricants), equipped with devices that can measure the volume of fuel given out. Semi-trailers are intended for operation as part of a road train, towed by road transport.





**STANDARD EQUIPMENT OF 2 AND 3 AXLE TANK SEMI-TRAILERS FOR TRANSPORTATION AND UNLOADING OF OIL, OIL-CONTAINING LIQUIDS:**

- frame construction;
- pivot axle SAF;
- the connection of the tank with the frame using the tie-rods;
- steel grade of tank shells - 09Г2С, sheet thickness - 4 mm;
- the color of the tank is orange (super gloss RAL-2004), the inscription on the tank is "FIRE DANGER";
- fire extinguishers OP-6-2 PCs. with packing in plastic containers;
- remote earth ground, the grounding circuit;
- boxes for sand;
- 3 holders for information plates;
- pressure and suction hoses DU-75-2 pcs., with packing in pencil cases;
- bottom valve UZST DKP-90 or VO-100, Du-100 (for each section separately);
- breathing valve УД-2-80 (for each section separately);
- bottom valve control unit-Sening (Germany);
- rear and side protection device;
- the tank mouths are equipped with a ladder and a platform for servicing;
- brake system-pneumatic driven by ABS chassis;
- electrical equipment-two-wire, 24V, from the tractor.

**ADDITIONAL COMPLETE SET OF THE SEMITRAILER OF THE TANK FOR TRANSPORTATION AND UNLOADING OF OIL AND OIL-CONTAINING LIQUIDS:**

- heating pipeline from the steam Generator set;
- reinforced electrical wiring;
- installation of hydraulic drive with pump ЦЦЛ-01А.

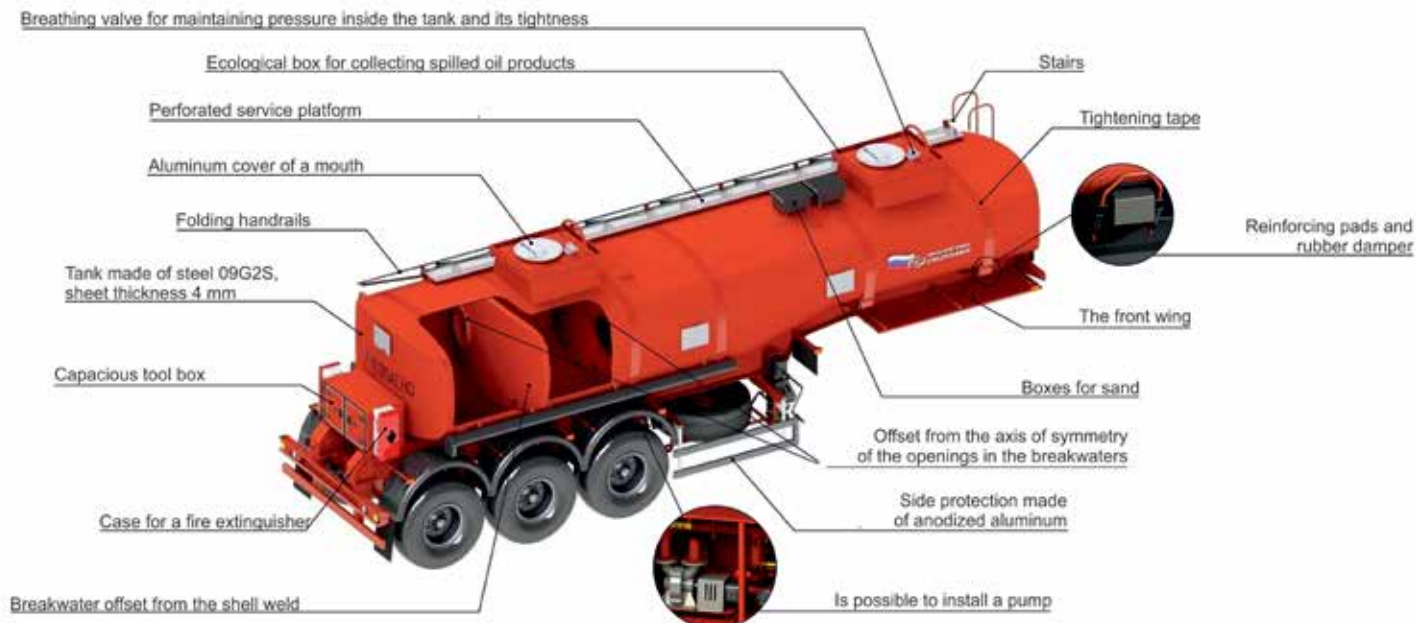
**2-AXLE TANK SEMI-TRAILERS FOR TRANSPORTATION AND UNLOADING OF OIL AND OILY LIQUIDS**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
Y3CT 9175	15-35 m <sup>3</sup>	2/4+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	11.00.R20 12.00R20	

**3-AXLE TANK SEMI-TRAILERS FOR TRANSPORTATION AND UNLOADING OF OIL AND OILY LIQUIDS**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
Y3CT 9173 Y3CT 9174	15-45 m <sup>3</sup>	3/6+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		3/12+1	10.00R20 11.00.R20 12.00R20	

**CONSTRUCTION FEATURES OF THE MODEL OF THE SEMI-TRAILER-TANK FOR THE TRANSPORT AND UNLOADING OF OIL AND OIL-CONTAINING LIQUIDS**



The tank semi-trailer is a special-purpose equipment designed for transportation and short-term storage of oil and oil-containing liquids, bitumen, fuel oil, resinous oils.

In the manufacture of tanks, low-alloy steel grades 09G2S or high-alloy steel (stainless steel) are used. A special feature of the production of semi-trailers is the fact that in most cases, thermal insulation of tanks is necessary to maintain the temperature of the transported cargo. To maintain the desired temperature of the cargo, additional elements are used - for example, steam heating (heating from a stationary steam source).





**STANDARD CONFIGURATION OF 2- AND 3- AXLE SEMI-TRAILERS TANKS FOR TRANSPORTING PROCESS WATER AND SALT SOLUTIONS:**

- frame construction;
- pivot axle SAF;
- the connection of the tank with the frame using the tie-rods;
- steel grade of tank shells - 09Г2С, sheet thickness - 4 mm;
- color of the tank - blue half gloss, the inscription on the tank - «TECHNICAL WATER»;
- fire extinguishers OP-6-2 PCs. with packing in plastic containers;
- remote earth ground, the grounding circuit;
- breathing valve УД-2-80 (for each section separately);
- rear and side protection device;
- fender beam;
- the tank mouths are equipped with a ladder and a platform for servicing;
- brake system-pneumatic driven by ABS chassis;
- electrical equipment-two-wire, 24V, from the tractor.

**ADDITIONAL EQUIPMENT SEMI-TRAILER TANKS FOR INDUSTRIAL WATER:**

- heating pipeline from the steam Generator set;
- reinforced electrical wiring;
- installation of hydraulic drive with pump ЦДЛ-01А.

**2-AXLE TANK SEMI-TRAILERS  
FOR TRANSPORTATION OF INDUSTRIAL WATER AND SALT SOLUTIONS**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
УЗСТ 9175	15-35 m <sup>3</sup>	2/4+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	11.00.R20 12.00R20	

**3-AXLE TANK SEMI-TRAILERS  
FOR TRANSPORTATION OF INDUSTRIAL WATER AND SALT SOLUTIONS**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type	Pendant type
УЗСТ 9174	15-45 m <sup>3</sup>	3/6+1	425/85R21 385/65R22.5	310-533 11.75-22.5	Spring and balance suspension / air suspension BPW/ HJ
		3/12+1	10.00R20 11.00.R20 12.00R20	7.5-20 7.5/8.0-20 8.5-20	

**CONSTRUCTION FEATURES OF THE SEMI-TRAILER MODEL-  
TANKS FOR TECHNICAL WATER and SALT SOLUTIONS**



The semi-trailer tank for industrial water is designed to transport non-aggressive process fluids (process water) on general roads.





**СТАНДАРТНАЯ КОМПЛЕКТАЦИЯ 2-Х И 3-Х ОСНЫХ ППЦ ДЛЯ МЕХАНИЗИРОВАННОГО СБОРА, ТРАНСПОРТИРОВКИ И ВЫГРУЗКИ ГАЗОВОГО КОНДЕНСАТА, НЕФТИ И НЕФТЕ-ПРОДУКТОВ:**

- frame construction;
- pivot axle SAF;
- the connection of the tank with the frame using the tie-rods;
- steel grade of tank shells - 09Г2С, sheet thickness - 5 mm;
- the tank is of circular shape, the outer frames;
- viewing window: spherical with backlight, located at the rear bottom;
- headlight illuminating the working area of the receiving crane;
- vacuum system protection components: 1st shut-off valve in the neck, 2nd shut-off valve in the receiver, vacuum valve; overpressure valve (0.4 kg / cm<sup>2</sup>), limit fill sensor MS DUG11-N-10;
- fire extinguishers OP-6-2 PCs. with packing in plastic containers;
- remote earth ground, the grounding circuit;
- hydraulic drive with pump VK-6M;
- sand box;
- 3 holders for information plates;
- sleeves the pressure head soaking-up D-75. - 2 pcs, laid in metal boxes;
- breathing valve UD-2-80 (for each section separately);
- back and side protective device;
- the tank necks are equipped with a ladder and a platform for servicing;
- brake system-pneumatic driven by ABS chassis;
- electrical equipment - two-wire, 24V, from a truck tractor.

**ADDITIONAL EQUIPMENT FOR SEMI-TRAILER TANKS FOR MECHANIZED COLLECTION, TRANSPORTATION AND UNLOADING OF GAS CONDENSATE, OIL AND PETROLEUM PRODUCTS:**

- manual opening of the back bottom;
- additional filler neck with stairs and service platform;
- equipment of the rear bottom with an additional cleaning hatch D=600 mm;
- mechanical float-type level transmitter;
- reinforced wiring;
- installation of a PNR pump (instead of VK-6M)

**2-AXLE TANK SEMI-TRAILERS FOR MECHANIZED COLLECTION, TRANSPORTATION AND UNLOADING OF GAS**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
Y3CT 9175	15-35 m <sup>3</sup>	2/4+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	11.00.R20 12.00R20	

**3-AXLE TANK SEMI-TRAILERS FOR MECHANIZED COLLECTION, TRANSPORTATION AND UNLOADING OF GAS CONDENSATE, OIL AND OIL PRODUCTS:**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
Y3CT 9174	15-45 m <sup>3</sup>	3/6+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		3/12+1	10.00R20 11.00.R20 12.00R20	

**CONSTRUCTION FEATURES OF THE MODEL OF A  
VACUUM SEMI-TRAILER-TANK**



Vacuum tank semi-trailers are designed for collecting condensate, non-aggressive process liquids, cleaning cesspools, pumping water and other non-flammable liquids and then transporting contaminated liquids to the place of their collection and disposal.





**STANDARD CONFIGURATION OF 2-AXLE TRAILERS FOR TRANSPORTATION AND STORAGE OF LIGHT OIL PRODUCTS:**

- frame construction;
- the connection of the tank with the frame using the tie-rods;
- steel grade of tank shells - 09Г2С, sheet thickness - 4 mm;
- the color of the tank is orange (super gloss RAL-2004), the inscription on the tank is "FIRE DANGER";
- pressure and suction hoses DU-75-2 pcs., with packing in pencil cases;
- bottom valve UZST DKP-90 or VO-100, Du-100 (for each section separately);
- breathing valve UD-2-80 (for each section separately);
- bottom valves control unit - Sening (Germany);
- back and side protective device;
- the tank necks are equipped with a ladder and a platform for servicing;
- brake system-pneumatic driven by ABS chassis;
- electrical equipment - two-wire, 24V.

**STANDARD EQUIPMENT OF 2 AXLE TANK TRAILERS FOR TRANSPORTATION AND REFUELING WITH LIGHT OIL PRODUCTS:**

- frame construction;
- the connection of the tank with the frame using the tie-rods;
- steel grade of tank shells - 09Г2С, sheet thickness - 4 mm;
- the color of the tank is orange (super gloss RAL-2004), the inscription on the tank is "FIRE DANGER";
- fire extinguishers OP-6-2 PCs. with packing in plastic containers;
- remote earth ground, the grounding circuit;
- SVN-80 pump-1 pc., pump drive-hydraulic;
- fuel delivery unit (PPO-25 liquid meter - 1 pc.;
- ДУ-25 sleeve - 9m with laying in a drum, gun - 1 pc.);
- pressure and suction hoses DU-75-2 pcs., with packing in pencil cases;
- bottom valve VO-100, Du-100 (for each section separately);
- breathing valve UD-2-80 (for each section separately);
- bottom valves control unit - Sening (Germany);
- back and side protective device;
- the tank necks are equipped with a ladder and a platform for servicing;
- brake system-pneumatic driven by ABS chassis;
- electrical equipment - two-wire, 24V.

**FOR TRANSPORTATION AND STORAGE OF LIGHT PETROLEUM PRODUCTS**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
Y3CT 9275	7-15.9 m <sup>3</sup>	2/4+1	425/85R21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	10.00R20	
	16-17.9 m <sup>3</sup>	2/4+1	385/65R22.5	
		2/8+1	10.00R20 11.00R20	
	18-22 m <sup>3</sup>	2/4+1	385/65R22.5	
		2/8+1	10.00R20 11.00R20 12.00R20	

**FOR TRANSPORTATION AND REFUELING WITH LIGHT OIL PRODUCTS**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
Y3CT 9275	7-7.9 m <sup>3</sup> 8-9.9 m <sup>3</sup> 10-11.9 m <sup>3</sup> 12-13.9 m <sup>3</sup> 14-15.9 m <sup>3</sup>	2/4+1	425/85P21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	10.00R20	
	16-17.9 m <sup>3</sup>	2/4+1	385/65R22.5	
		2/8+1	10.00R20 11.00R20	
	18-19.9 m <sup>3</sup> 20-22 m <sup>3</sup>	2/4+1	385/65R22.5	
		2/8+1	10.00R20 11.00R20 12.00R20	




**STANDARD EQUIPMENT OF A 2-AXLE TANK TRAILER FOR TRANSPORTING PROCESS WATER AND SALT SOLUTIONS:**

- frame construction;
- the connection of the tank with the frame using the tie-rods;
- steel grade of tank shells - 09Г2С, sheet thickness - 4 mm;
- color of the tank - blue half gloss, the inscription on the tank - «TECHNICAL WATER»;
- fire extinguishers OP-6-2 PCs. with packing in plastic containers;
- remote earth ground, the grounding circuit;- ящик для кошмы;- ящик для песка;
- pressure and suction hoses DU-75-2 pcs., with packing in pencil cases;
- breathing valve UD-2-80 (for each section separately);
- back and side protective device;
- the tank necks are equipped with a ladder and a platform for servicing;
- brake system-pneumatic driven by ABS chassis;
- electrical equipment - two-wire, 24V.

**STANDARD CONFIGURATION OF 2-AXLE TANK TRAILERS FOR TRANSPORTING AND UNLOADING OIL AND OIL-CONTAINING LIQUIDS:**

- frame construction;
- the connection of the tank with the frame using the tie-rods;
- steel grade of tank shells - 09Г2С, sheet thickness - 4 mm;
- the color of the tank is orange (super gloss RAL-2004), the inscription on the tank is "FIRE DANGER";
- fire extinguishers OP-6-2 PCs. with packing in plastic containers;
- remote earth ground, the grounding circuit;
- pressure and suction hoses DU-75-2 pcs., with packing in pencil cases;
- breathing valve UD-2-80 (for each section separately);
- back and side protective device;
- the tank necks are equipped with a ladder and a platform for servicing;
- brake system-pneumatic driven by ABS chassis;
- electrical equipment - two-wire, 24V.

**FOR TRANSPORTATION OF INDUSTRIAL WATER AND SALT SOLUTIONS  
DENSITY NOT MORE THAN 1.2 g/m<sup>3</sup>**

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
УЗСТ 9275	6-9.9 m <sup>3</sup>	2/4+1	425/85P21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	10.00R20	
	10-13.9 m <sup>3</sup>	2/4+1	425/85R21 385/65R22.5	
		2/8+1	10.00R20 11.00R20	
	14-15.9 m <sup>3</sup>	2/4+1	385/65R22.5	
		2/8+1	10.00R20 11.00R20 12.00R20	
	16-22 m <sup>3</sup>	2/4+1	445/65R22.5	
		2/8+1	11.00R20 12.00R20	

**FOR TRANSPORTATION AND UNLOADING OF OIL AND OILY LIQUIDS**

ПО ДОРОГАМ ОБЩЕГО НАЗНАЧЕНИЯ

Modification	Capacity, m <sup>3</sup>	number of axles / wheels	tires	Pendant type
УЗСТ 9275	6-9.9 m <sup>3</sup>	2/4+1	425/85P21 385/65R22.5	Spring and balance suspension / air suspension BPW/ HJ
		2/8+1	10.00R20	
	10-13.9 m <sup>3</sup>	2/4+1	425/85R21 385/65R22.5	
		2/8+1	10.00R20 11.00R20	
	14-15.9 m <sup>3</sup>	2/4+1	385/65R22.5	
		2/8+1	10.00R20 11.00R20 12.00R20	
	16-22 m <sup>3</sup>	2/4+1	445/65R22.5	
		2/8+1	11.00R20 12.00R20	



**STANDARD CONFIGURATION OF 2 AND 3-AXLE SEMI-TRAILERS-ON-BOARD:-**

- onboard platform 12292x2470 mm;
- hinged quick-release boards with a height of 600 mm;
- the front side is 1000 mm high;
- folding footrest on the rear side;
- two pivot positions: 500 mm, 1400 mm;
- 3mm flooring;
- telescopic support device, single-section;
- the rear buffer is unregulated in height;
- mudguards;
- plastic wings;
- electrical equipment 24V, powered by a tractor:
  - two sockets 7 pins, one 15 pins;
  - flashing beacon connection is provided;
  - led marker lights;
- brake drive: pneumatic;
- Parking brake drive: pneumatic with energy accumulators;
- ABS 2S/ 2M Wabco;
- ABS diagnostic socket;
- spare wheel lifting gear;
- tool box 80 l;
- side protection stationary (production of UZST);
- fastening element:
  - linking loops sunk into the flooring;
  - towing hinges at the rear of the frame;
- spare parts kit:
  - spare wheel - 1 pc.;
  - wheel chocks - 2 pcs.;
  - key of face 32x36 - 1 pc.;
  - hub key - 1 pc.

**2-AXLE ON-BOARD SEMI-TRAILERS**

Use	Modification	Weight of the transported cargo, t	Number of axles / wheels+spare wheel	Tyres	Type of suspension
On public roads	Y3CT 9175	16,5-29	2/4+1	425/85R21 385/65R22.5 14.00R20	spring-balanced axes BPW/ HJ (1-skatny tires)
		16,5-33	2/8+1	10.00R20 12.00R20	spring-balanced axes BPW/ HJ (2-skatny tires)

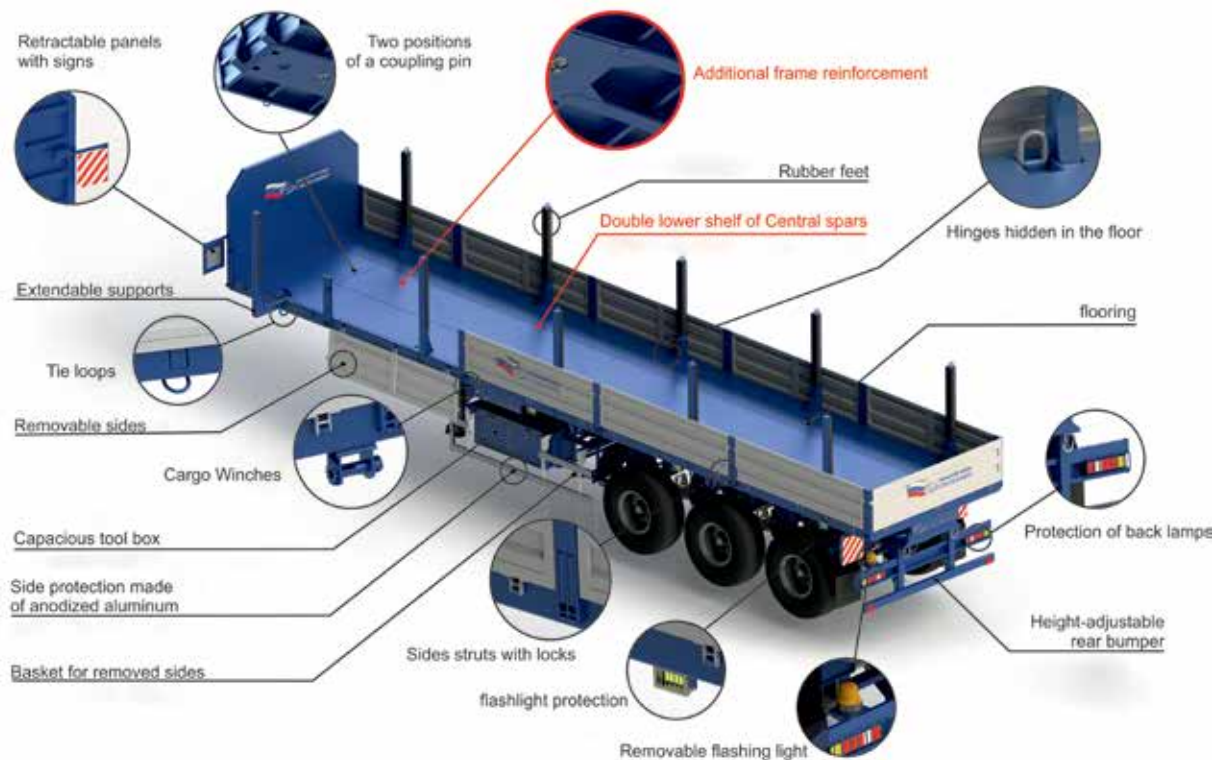
**3-AXLE ON-BOARD SEMI-TRAILERS**

Use	Modification	Weight of the transported cargo, t	Number of axles / wheels+spare wheel	Tyres	Type of suspension
On public roads	Y3CT 9174	21,5-36,5	3/6+1	425/85R21 385/65R22.5 14.00R20 395/85R20	spring-balanced axes BPW/ HJ (1-skatny tires)
		21,5-46	3/12+1	10.00R20 12.00R20	spring-balanced axes BPW/ HJ (2-skatny tires)

**2-AXLE SEMI-TRAILERS FOR TRANSPORTATION OF SUPPORTS**

Use	Modification	Weight of the transported cargo, t	Number of axles / wheels+spare wheel	Tyres	Type of suspension
On public roads	Y3CT 9176	22	2/4+1	385/65R22.5	spring-balanced axes BPW/ HJ
		22	2/8+1	12.00R20	
		22	2/8+1	315/80R22.5	

**DESIGN FEATURES OF THE ON-BOARD SEMI-TRAILER MODEL**



The onboard semi-trailer serves for the transportation of a wide range of bulky, long and heavy cargoes of various purposes. The main design feature of such vehicles is the presence of sides on the platform. They can be single or double, folding or removable, aluminum or steel. The sideboard separating the semitrailer from the tractor is larger in size and serves to protect the cab during transportation of long loads.



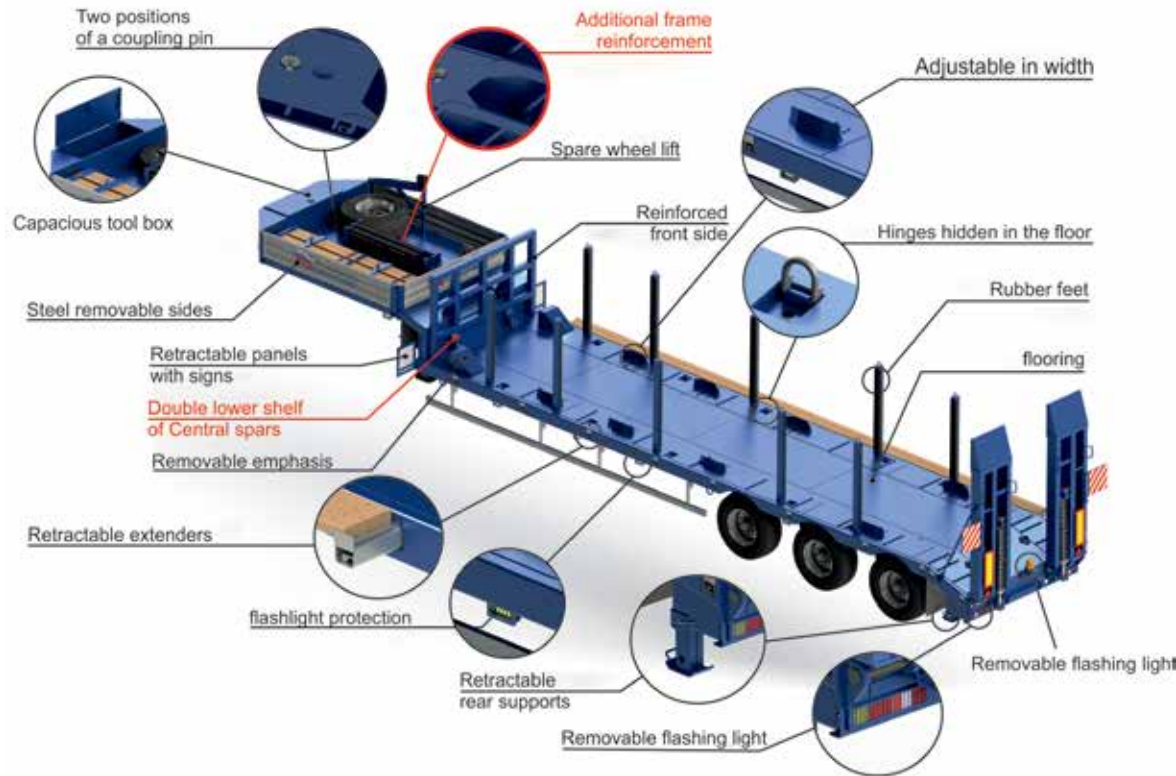


**STANDARD EQUIPMENT FOR HEAVY-DUTY SEMI-TRAILERS:**

- work platform 2480 mm wide;
- folding quick-detachable sides in front with a height of 400 mm;
- king pin SAF;
- spare wheel lift at the front of the platform;
- tool box at the front of the platform;
- sockets for mounting the front side of the platform;
- гнезда для установки стоек;
- frame expanders 3000 mm;
- shields with a sign «oversized cargo»
- telescopic support device:
  - two-section on high-frame semi-trailers;
  - single-section on low-frame semi-trailers;
- mud flaps:
  - in front of the reference access;
  - behind the last wheels;
  - in the back to protect the wiring of the lights;
- electrical equipment 24V, powered by a tractor:
  - two sockets 7 pins, one 15 pins;
  - you can connect a flashing light;
  - led marker lights;
- brake drive: pneumatic;
- Parking brake drive: pneumatic with energy accumulators:
- ABS 2S/2M Wabco - semitrailers with a loading capacity up to 40 t;
- ABS 4S/3M Wabco - semitrailers with a loading capacity over 40 t;
- the diagnostic socket ABS;
- side protection hinged, aluminum;
- fastening element:
  - linking loops sunk into the flooring;
  - linking rings on the side spar from the bottom;
  - tow loops at the back of the frame;
- additional stops on the platform for transporting equipment;
- support sheet:
  - at load on Seat coupling device up to 20 tn - 10 mm;
  - at load on saddle-coupling device over 20 tons - 16 mm;
- spare parts kit:
  - spare wheel - 1 pc.;
  - anti-rollback stops - 2 pcs.;
  - key 32x3632x36 - 1 pc.;
  - hub key - 1 pc.;
  - spare wheel lift handle - 1 pc.

SEMI-TRAILERS-HEAVY-DUTY LOW-FRAME 2-AXLE						
Use	Modification	Working length, m	Weight of the transported cargo, t	Number of axles / wheels+spare wheel	Tyres	Type of suspension
On public roads	Y3CT 9175	11	24-27	2/8+1	235/75R17.5	spring-load balancing/ pneumatic (axes BPW/ HJ)
SEMI-TRAILERS-HEAVY-DUTY LOW-FRAME 3-AXLE						
On public roads	Y3CT 9174	11	35-40 40-45	3/12+1	245/70R17.5	spring-load balancing/ pneumatic (axes BPW/ HJ)
SEMI-TRAILERS-MEDIUM-SIZED 3-AXLE HEAVY TRUCKS						
On public roads	Y3CT 9174	11.4	30-36	3/6+1	385/65R22.5	spring-load balancing/ pneumatic (axes BPW/ HJ)
		11.4	30-39	3/6+1	10.00R20	spring-load balancing/ pneumatic (axes BPW/ HJ)
HEAVY-DUTY SEMI-TRAILERS HIGH-FRAME 3-AXLE						
On public roads	Y3CT 9174	11.4	38-45	3/6+1	395/85R20 445/65R22.5	spring-load balancing/ pneumatic (axes BPW)
		11.4	50-60	3/12+1	12.00R20	spring-load balancing/ pneumatic (axes BPW)
		11.4	60-70	3/12+1	14.00R20	spring-load balancing/ pneumatic (axes BPW)
SEMI-TRAILERS-HEAVY-DUTY LOW-FRAME 4-AXLE						
On public roads	Y3CT 9176	11.4	50-55	4/16+1	235/75R17.5	spring-load balancing/ pneumatic (axes BPW/ HJ)
SEMI-TRAILERS-MEDIUM-SIZED 4-AXLE HEAVY TRUCKS						
On public roads	Y3CT 9176	11.4	40-45	4/8+1	385/65R22.5	spring-load balancing/ pneumatic (axes BPW/ HJ)
HEAVY-DUTY SEMI-TRAILERS HIGH-FRAME 4-AXLE						
On public roads	Y3CT 9176	11.4	55-60	4/8+1	395/85R20 445/65R22.5	spring-load balancing/ pneumatic (axes BPW/ HJ)

**CONSTRUCTION FEATURES OF THE MODEL OF THE SEMI-TRAILER-HEAVY TRUCK**



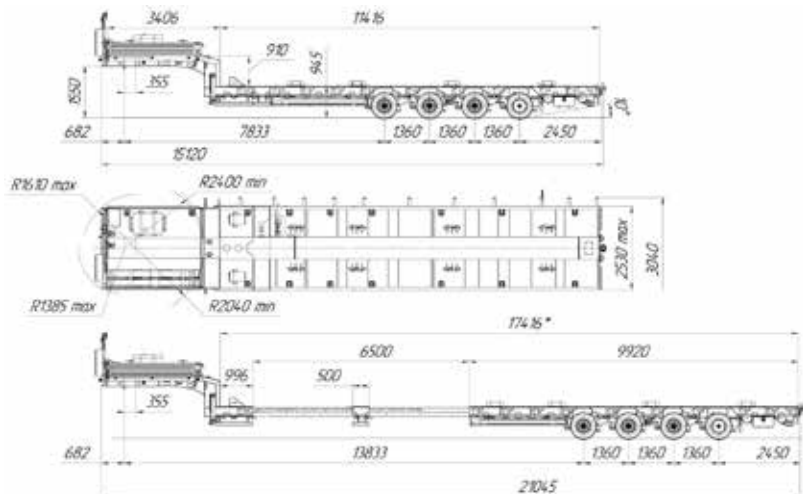
The trawl heavy semi-trailer is intended for the transportation of especially large, indivisible goods, construction or special equipment, trucks, as well as various heavy structures, monolithic blocks, aggregates and other objects with a large mass. The semi-trailer heavy truck transfers half of its load to the truck tractor, and half is evenly distributed to the suspension of the heavy truck. This mass distribution significantly reduces fuel consumption. According to the number of axles and bushing trawls differ depending on the load capacity. Some models of semi-trailers can be equipped with special extenders to increase the width of the platform during cargo transportation.





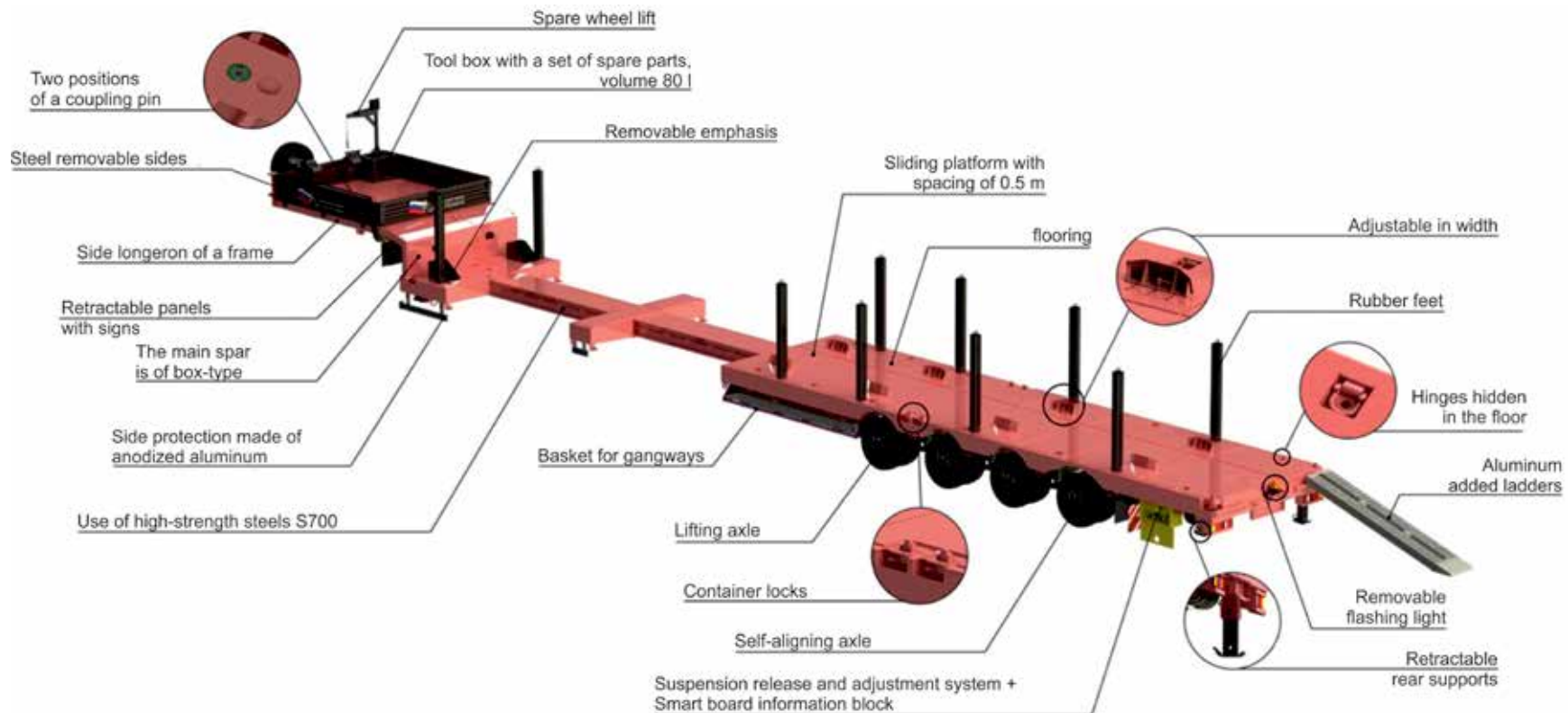
Technical Specifications of 4 Axis Telescopic Trawl У3СТ 9176-002HP4

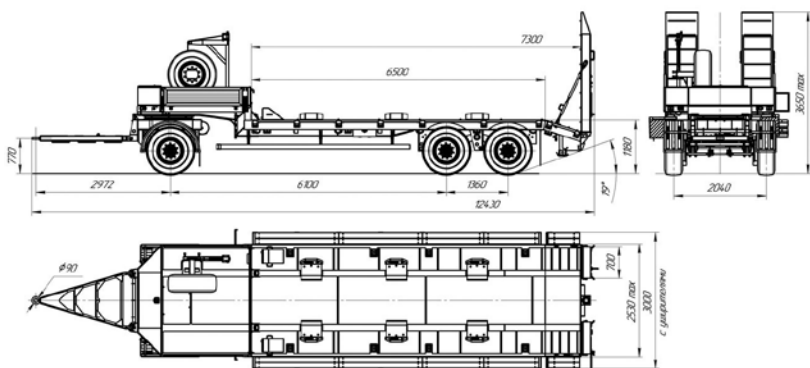
Weight of the transported cargo, kg	51 500 (42 000 – in case of extension of the semi-trailer)
Maximum weight of a loaded semi-trailer, kg	17 000
Gross weight of the semi-trailer, kg	68 500
Maximum permissible load, kg: to saddle-coupling device on tires	22 000 46 500
steel grade	High-strength structural steel S700 (Sweden)
Suspension	Pneumatic, dependent BPW (3 axes not controlled, 4th self-adjusting)
Number of wheels (including spare), pcs.	18 (2)
Pneumatic tires	235/75R17,5
King pin	3.5 inches, two positions
ladders	aluminum
Angle of entry along the ramps, degrees.	17
Maximum speed at maximum load, km / h	40
Brake system with pneumatic drive from the tractor	EBS WABCO (original)
Two-wire electrical equipment powered by a tractor	24B
Basic device mechanical	With two-speed drive BPW
Side platform in the front	With steel folding sides
Tool box with spares set	80 l
Spare parts kit	Spare Wheel Lift Handle Spare wheel Wheel chocks - 2 pcs. socket wrench 32x36 Hub key
Extra fuel tank	300 l
Loops for linking the load	Under the deck and under the side spar
Отбойные брусья	4 пары
Stops for machinery, pcs.	2
Swivel Expanders	up to 3040 mm
Additional supports in the back of the frame	They are lowered when installing ladders



**FEATURES OF THE MODEL OF A 4-AXIS TELESCOPIC SEMI-TRAILER-HEAVY TRUCK**

The design of heavy semi-trailers (telescope) includes the possibility of sliding the platform while maintaining the maximum possible load capacity.





Technical characteristics and equipment for the heavy trailer 9174-001B3

Weight of the transported cargo, kg	21 100
Maximum weight of a loaded semi-trailer, kg	8 900
Gross weight of the semi-trailer, kg	30 000
Maximum permissible load, kg: on the road from front axle tires on the road from the rear axle tires	11 000 20 000
Suspension	Spring-balanced, dependent - on the rear axle Spring, dependent – on the front axle
axes	HJ
Number of wheels (including spare wheels), pcs	7 (1)
Chamber tires	385/85R22.5 160K
Coupling with the tractor	Clearance type, diameter 90 mm
Maximum speed at maximum load, km/h	60
Brake system with pneumatic drive from tractor	ABS WABCO
Two-wire electrical equipment powered by a tractor	24B
Basic device mechanical	With two speed drive
Lifter for spare wheel, pcs.	1
Onboard platform at the front of the platform	With steel folding sides
Antiretractable emphasis, piece	2
Toolbox with a set of spare parts, pcs	1, 390 l capacity
Loops for linking the load	Under the deck and under the side spar
Gangways / Angle of entry on gangways, degrees	Механические / 17
Flashing beacon	1
Flash lights	On four sides of the loading platform (on pull-out bars)
Removable steps with mud flaps	on the front platform
Side platform in front	400 mm high
additional equipment	Protective control box for pneumatic equipment



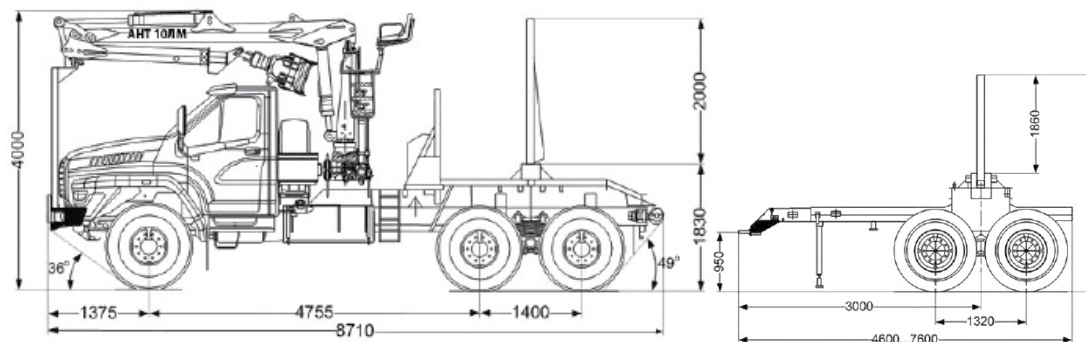


**Timber tractor Ural-NEXT 4320-6951-72E5G38 (RM3 53623-10)**

Engine's type	Four-stroke cycle with compression ignition
Number and arrangement of cylinders	6, row
Working volume of cylinders, cm <sup>3</sup>	6650
Compression ratio	17,5
Maximum power, kW	200,7 (275 hp..)
Maximum torque	1161
Fuel	diesel

**Technical characteristics of the crane-manipulator installation ANT 10LM**

Cargo moment	100 кНм
Maximum boom reach	7,4 m
Lifting capacity at minimum departure	3100 kg
Load capacity at maximum reach	1350 kg
Column rotation angle	425 °
Weight of manipulator (without catching with rotator)	1820 кг
Rotation angle of rotator shaft	Infinitely





LLC «Ural plant of lifting mechanisms» is the largest Russian manufacturer of crane-manipulator installations of the «ANT» series of various loading capacities. Crane-manipulator installations of LLC «Ural plant of lifting mechanisms» possess high quality and favorable price, thanks to the adjusted production with application of modern technologies and materials, using in production the Swedish steel of the Domex brand.

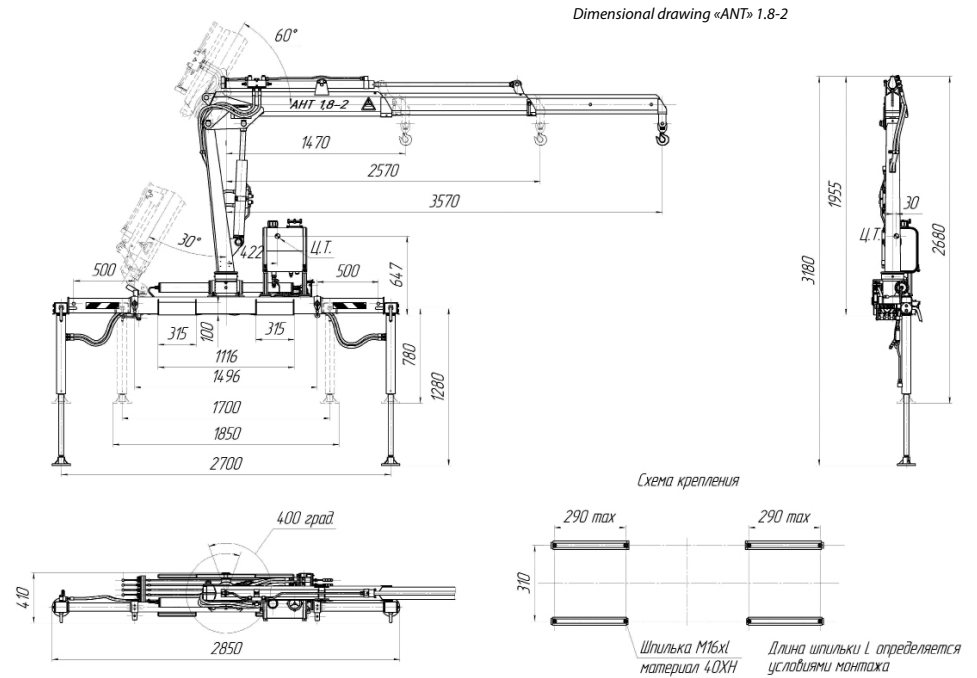
Over the past years, the plant has created and launched an extensive range of lifting equipment on various types of chassis that can work flawlessly on oil and gas production sites, construction sites and even in the most severe environmental conditions with temperatures up to  $-40^{\circ}\text{C}$ . A wide range of attachments allows you to significantly expand the functionality of the crane manipulators «ANT» and provide optimal performance with maximum safety in operation.

## CRANE-MANIPULATOR INSTALLATIONS «ANT»

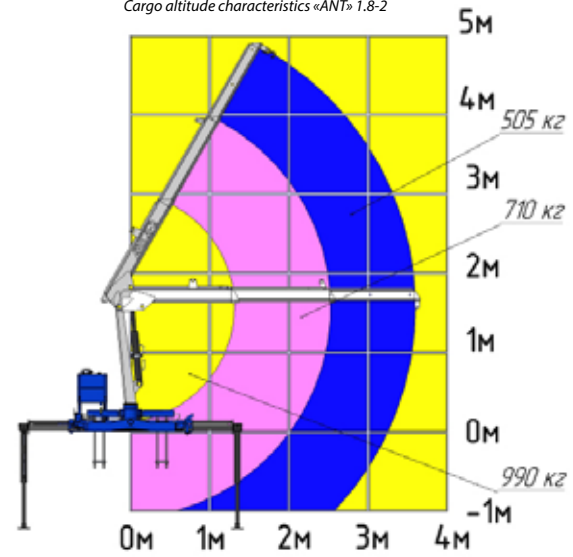


**Technical characteristics of the Crane-manipulator ANT 1.8-2**

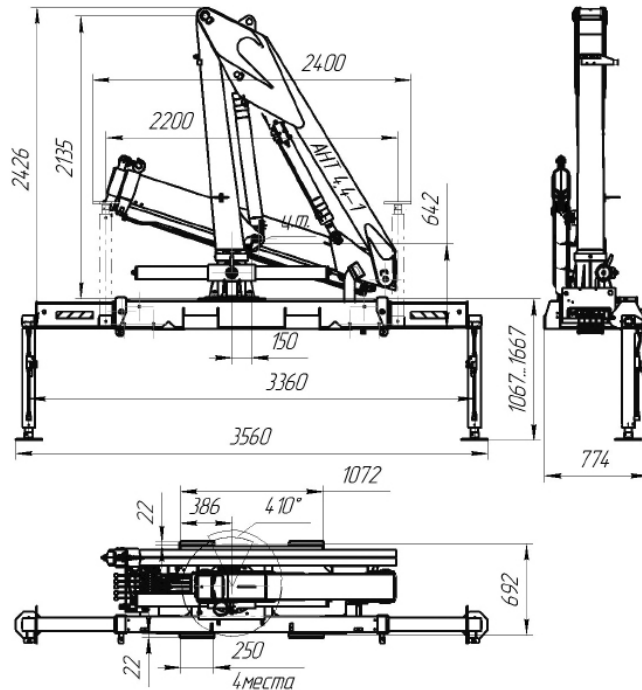
Parameters	Parameter value
Number of hydraulic extension sections	1 pc.
Cargo moment	1,80 тм
Maximum loading capacity	990 kg
Load capacity at maximum reach	505 kg
Maximum departure of an arrow	3,57 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	4,66 m



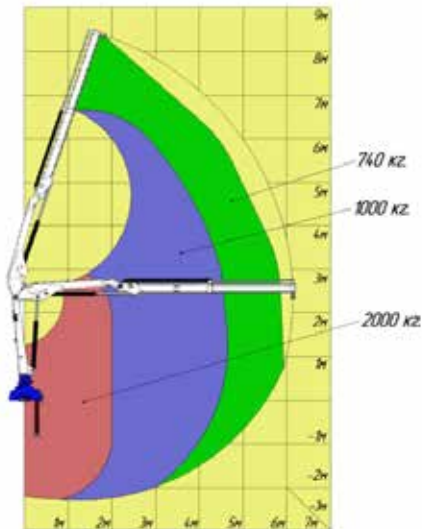
Cargo altitude characteristics «ANT» 1.8-2



Dimensional drawing «ANT» 4.4-1



Cargo altitude characteristics «ANT» 4.4-1



### Technical characteristics of the Crane-manipulator ANT 4.4-1

Parameters	Parameter value
Number of hydraulic extension sections	1 pc.
Cargo moment	4,40 тм
Maximum loading capacity	2 000 kg
Load capacity at maximum reach	740 kg
Maximum departure of an arrow	6,00 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	7,95 m
Maximum lowering depth	2,50 m
Control method	Hydraulic
Column rotation angle	410°
Place of management	On Earth, Remote Control
Transport position of supports	Up
Type of extendable supports	Mechanical
Base of extendable supports	3 360 mm
Base of non-retractable supports	2 200 mm
Weight without hydraulic pump, without working fluid	1 050 kg
Tank capacity, l (full / max / min)	45 / 40 / 35
Pump performance	15 l/min
Working pressure	25 MPa
Size along stud axes	692 mm
Size for mounting on the frame	940 mm
Overall dimensions in transport position, mm	2 432 x 776 x 2 400

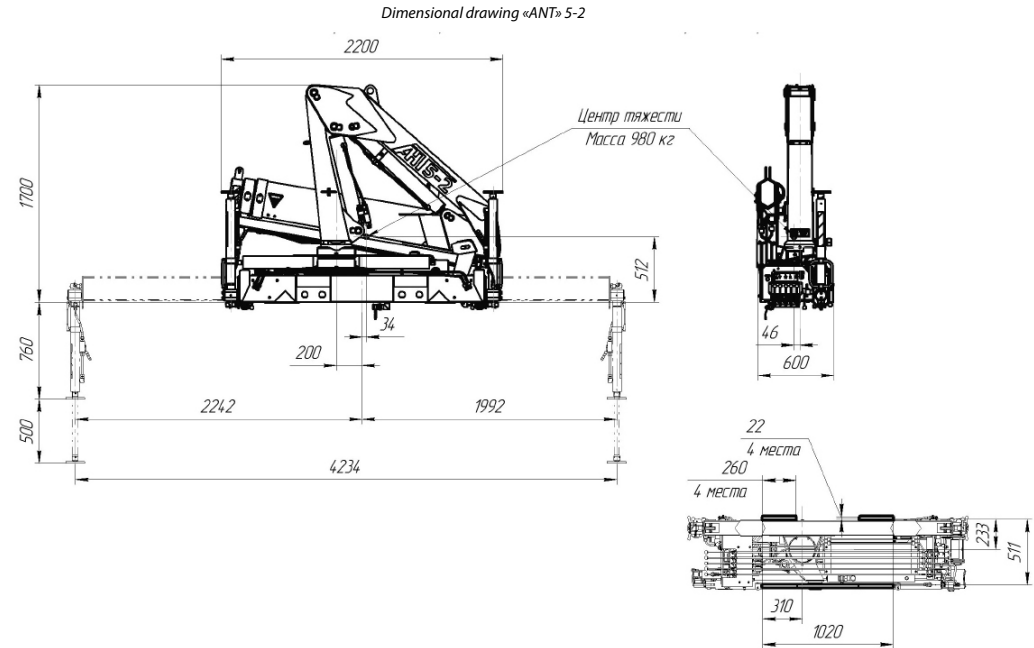


**Technical characteristics of the Crane-manipulator ANT 5-2**

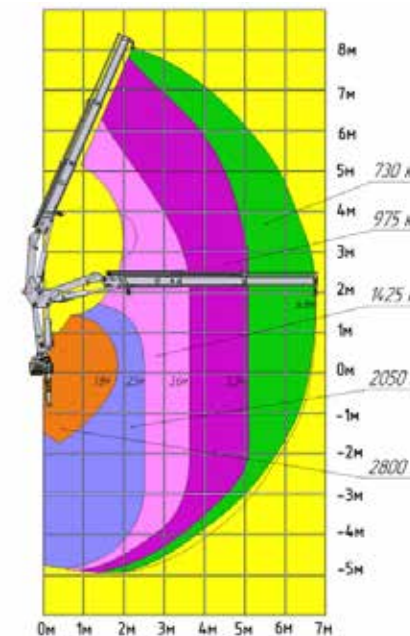
Parameters	Parameter value
Number of hydraulic extension sections	2 pcs.
Cargo moment	5,12 тм
<b>Maximum loading capacity</b>	<b>2 800 kg</b>
Load capacity at maximum reach	730 kg
Maximum departure of an arrow	6,78 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	8,00 m
Maximum lowering depth	5,00 m
Control method	Hydraulic
Column rotation angle	410°
Place of management	On Earth, Remote Control
Transport position of supports	Up
Type of extendable supports	Mechanical
Base of extendable supports	3 160 mm
Base supports with increased reach	4 234 mm
Weight without hydraulic pump, without working fluid	980 kg
Tank capacity, l (full / max / min)	48 / 40 / 36
Pump performance	25 l / min
Working pressure	28,5 MPa
Size along stud axes	533 mm
Size for mounting on the frame	780 mm
Overall dimensions in transport position, mm	2 200 x 600 x 1 700

**Characteristics of the bucket grab**

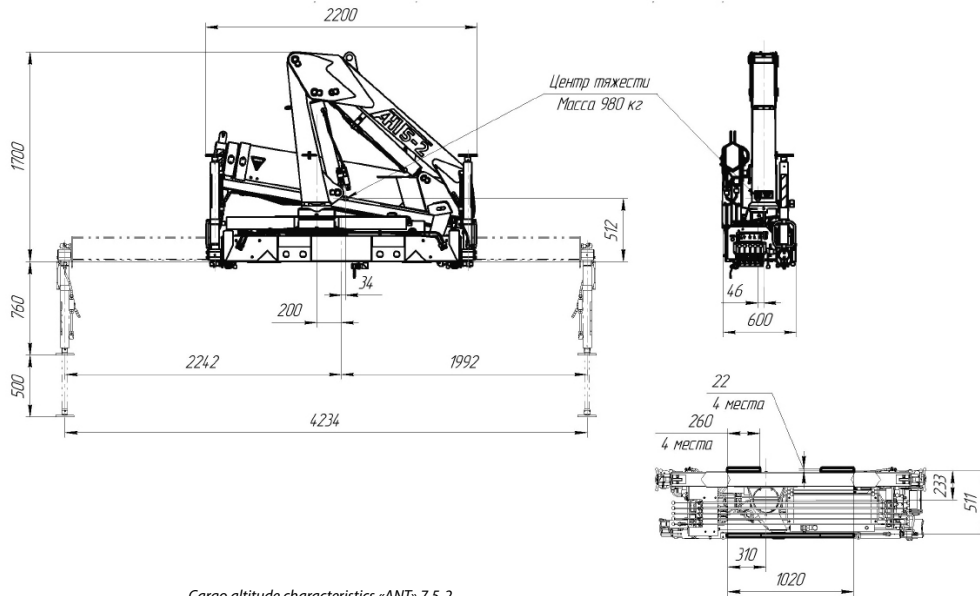
Hydraulic cylinder	Horizontal arrangement
Volume, m <sup>3</sup>	0,25
Weight ,kg	280



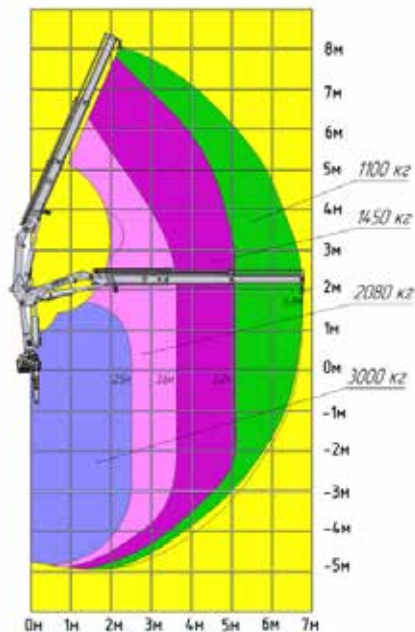
Cargo altitude characteristics «ANT» 5-2



Dimensional drawing «ANT» 7.5-2



Cargo altitude characteristics «ANT» 7.5-2



### Technical characteristics of the Crane-manipulator ANT 7.5-2

Parameters	Parameter value
Number of hydraulic extension sections	2 pcs.
Cargo moment	7,50тм
<b>Maximum loading capacity</b>	<b>3 000 kg</b>
Load capacity at maximum reach	1 100 kg
Maximum departure of an arrow	6,78 m
Operating ambient temperature, ° C	-40...+40
Maximum lifting height	8,00 m
Maximum lowering depth	5,00 m
Control method	Hydraulic
Column rotation angle	390°
Place of management	On Earth, Remote Control
Transport position of supports	Up
Type of extendable supports	Mechanical
Base of extendable supports	4 234 mm
Weight without hydraulic pump, without working fluid	1 020 kg
Tank capacity, l (full / max / min)	48 / 40 / 36
Pump performance	15 l/min
Working pressure	28 MPa
Size along stud axes	538 mm
Size for mounting on the frame	780 mm
Overall dimensions in transport position, mm	2 200 x 600 x 1 740

### Six-petal grab ГЛ-1У

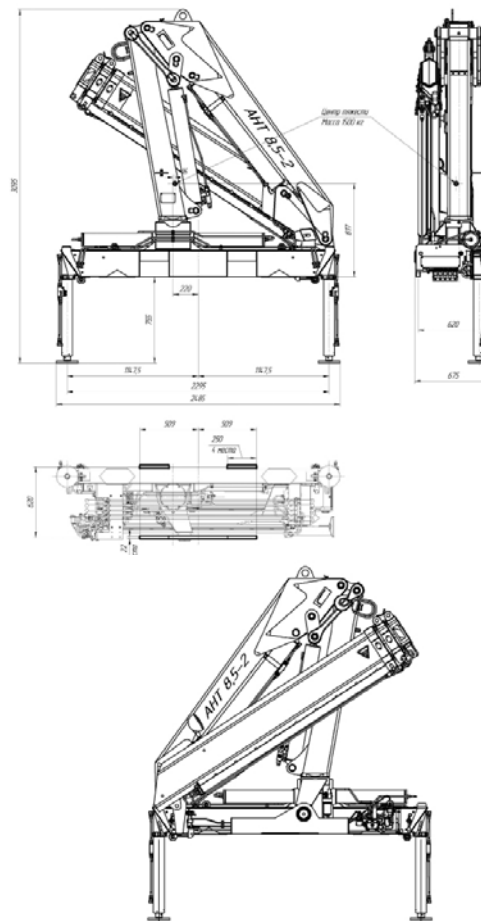
Appointment	Capture and loading of construction debris, sand, gravel, and scrap metal
volume, m <sup>3</sup>	0,20
Weight, kg	315



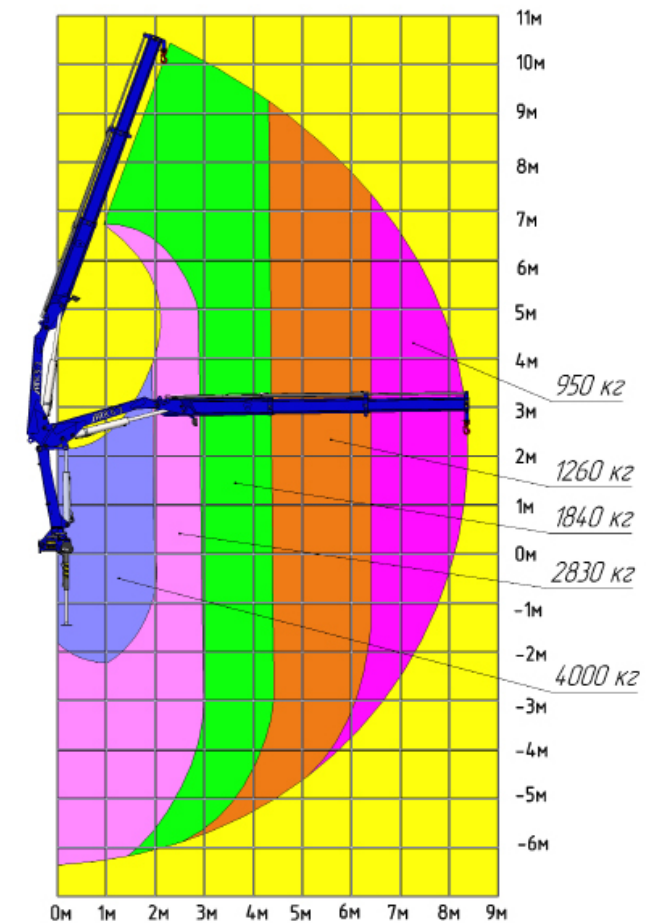
**Technical characteristics of the Crane-manipulator ANT 8.5-2**

Parameters	Parameter value
Number of hydraulic extension sections	2 pcs.
Cargo moment	8,50 тМ
Maximum loading capacity	4 000 kg
Load capacity at maximum reach	950 kg
Maximum departure of an arrow	8,25 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	10,00 m
Maximum lowering depth	6,00 m
Control method	Hydraulic
Column rotation angle	410°
Place of management	On Earth, Remote Control
Transport position of supports	Up
Type of extendable supports	Mechanical
Base of extendable supports	3 704 mm
Base supports with increased reach	4 855 mm
Weight without hydraulic pump, without working fluid	1,58 t
Tank capacity, l (full / max / min)	63,6 / 52 / 45,6
Pump performance	25 l / min
Working pressure	28 MPa
Size along stud axes	620 mm
Size for mounting on the frame	860 mm
Overall dimensions in transport position, mm	2 485 x 700 x 2 340

Dimensional drawing «ANT» 8.5-2



Cargo altitude characteristics «ANT» 8.5-2



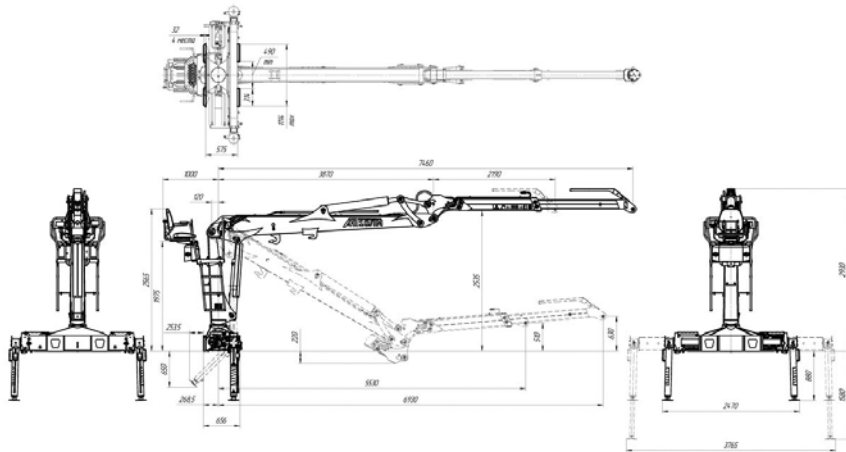
**Forest capture specifications**

Cross-section, m <sup>2</sup>	0,3
Nominal working pressure, MPa	20
Jaw compression force, kN	17
Weight, kg	200
Maximum opening, mm.	1500
Minimum diameter of the log, mm	100
Height when the grab is open, mm	800...900
Height with closed grab, mm	500...600
Jaw width, mm	450
Operating ambient temperature, °C	-40...+40

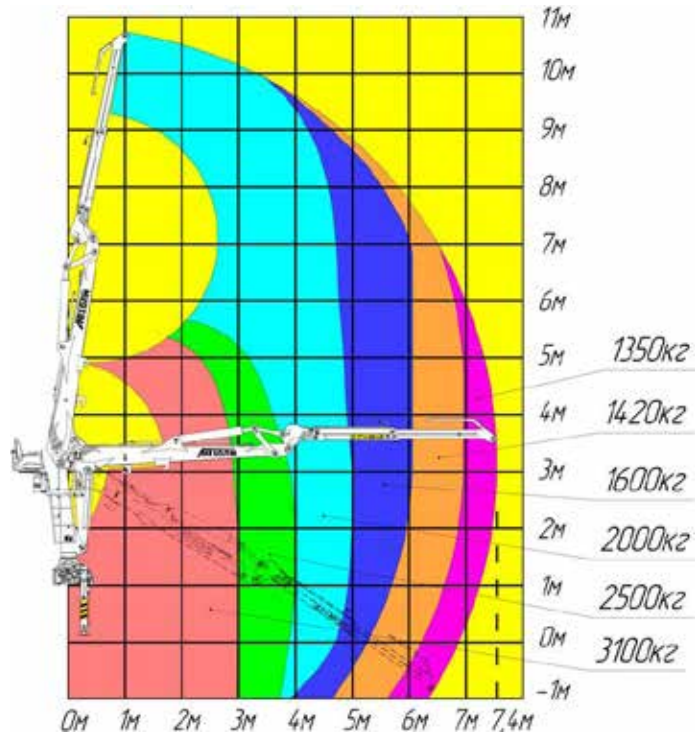




Dimensional drawing «ANT» 10JM



Cargo altitude characteristics «ANT» 10JM



Technical characteristics of the Crane-manipulator ANT 10JM

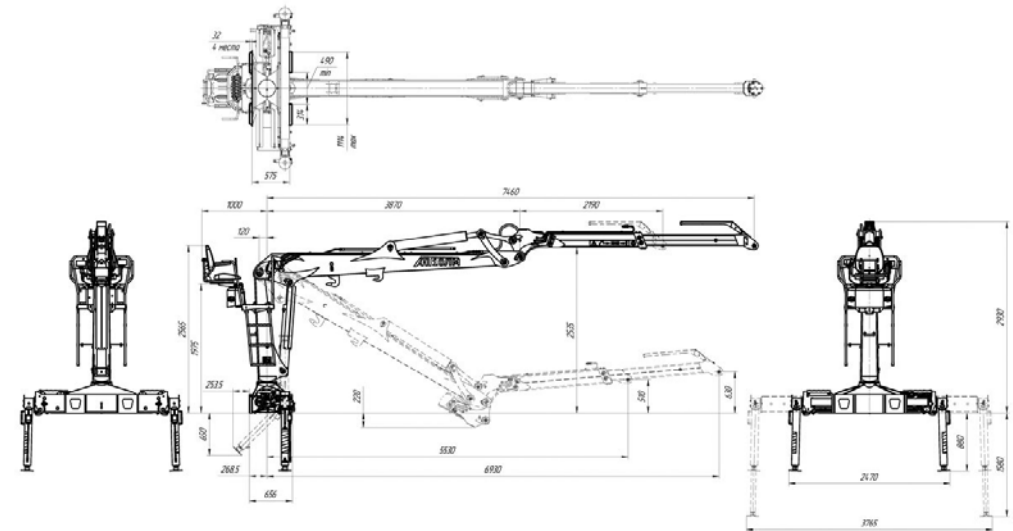
Parameters	Parameter value
Number of hydraulic extension sections	1 pc.
Cargo moment	10 тМ
Maximum loading capacity	3 100 kg
Load capacity at maximum reach	1 350 kg
Maximum departure of an arrow	7,40 m
Minimum reach of an arrow	3 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	9,60 m
Recommended grip cross-sectional area at closed ends of jaws	0,35 m
Maximum lowering depth	2,00 m
Column rotation angle	425°
Control method	From the seat
Transport position of supports	Up
Type of extendable supports	Mechanical
Base of extendable supports	3 765 mm
Weight of the manipulator (without capture with a rotator)	1 820 kg
Rotator shaft rotation angle	infinitely
The moment of rotation in the horizontal plane, kNm, (kgf.m) at least	24 (2448)
Tank capacity, l (full / max / min)	200 / 180 / 160
Pump performance	80 l/min
Working pressure	24 MPa
Size along stud axes	608 mm
Size for mounting on the frame	940 mm
Overall dimensions in transport position, mm	2 470 x 940 x 2 565



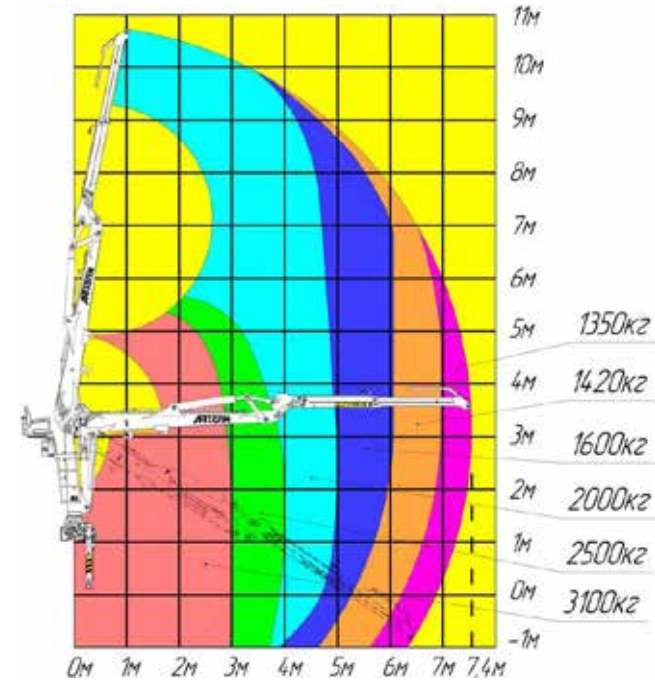
**Technical characteristics of the Crane-manipulator ANT 10MM**

Parameters	Parameter value
Number of hydraulic extension sections	1 pc.
Cargo moment	10 тм
<b>Maximum loading capacity</b>	<b>3 100 kg</b>
Load capacity at maximum reach	1 350 kg
Maximum departure of an arrow	7,40 m
Minimum reach of an arrow	3 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	9,60 m
Column rotation angle	425°
Control method	From the seat
Transport position of supports	Up
Type of extendable supports	Mechanical
Base of extendable supports	3 765 mm
Weight of the manipulator (without capture with a rotator)	1 820 kg
Rotator shaft rotation angle	infinitely
The moment of rotation in the horizontal plane, kNm, (kgf.m) at least	24 (2448)
Tank capacity, l (full / max / min)	200 / 180 / 160
Pump performance	80 l/min
Working pressure	24 MPa
Size along stud axes	608 mm
Size for mounting on the frame	940 mm
Overall dimensions in transport position, mm	2 470 x 940 x 2 565

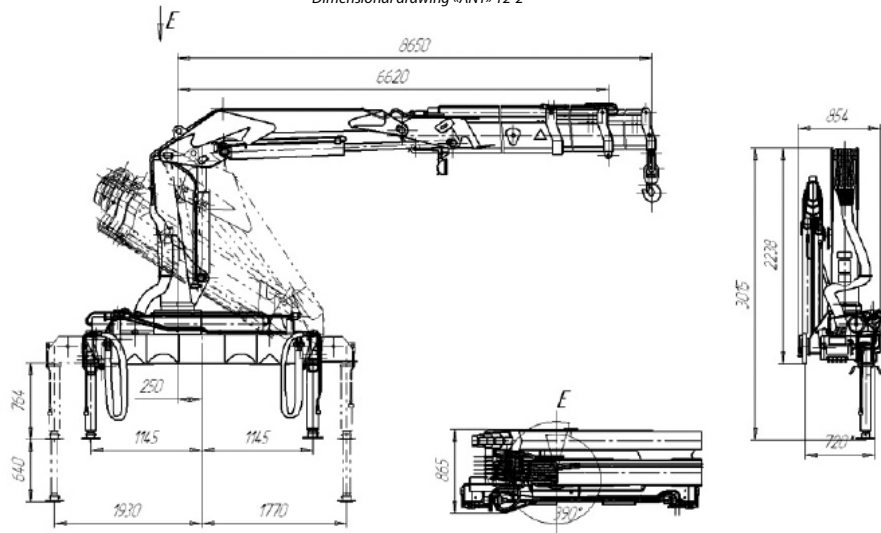
Dimensional drawing «ANT»10MM



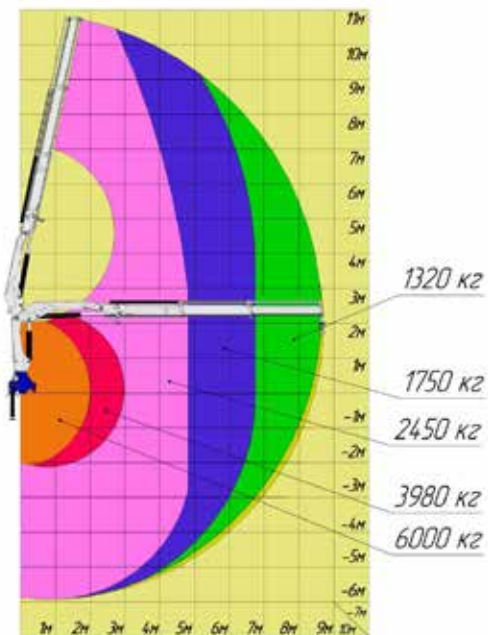
Cargo altitude characteristics «ANT» 10MM



Dimensional drawing «ANT» 12-2



Cargo altitude characteristics «ANT» 12-2



## Technical characteristics of the Crane-manipulator ANT 12-2

Parameters	Parameter value
Number of hydraulic extension sections	2 pcs.
Cargo moment	12,00 тм
<b>Maximum loading capacity</b>	<b>6 000 kg</b>
Load capacity at maximum reach	1 320 kg
Maximum departure of an arrow	8,40 m
Operating ambient temperature, ° C	-40...+40
Maximum lifting height	10,50 m
Maximum lowering depth	6,00 m
Control method	Hydraulic
Column rotation angle	390°
Place of management	On Earth, Remote Control
Transport position of supports	Down
Type of extendable supports	Mechanical
Base of extendable supports	3 700 mm
Base supports with increased reach	5 400 mm
Weight without hydraulic pump, without working fluid	2 120 kg
Tank capacity, l (full / max / min)	135/125/116
Pump performance	32 l/min
Working pressure	28 MPa
Size along stud axes	720 mm
Size for mounting on the frame	960 mm
Overall dimensions in transport position, mm	2 480 x 865 x 2235

## Characteristics of soil drilling equipment

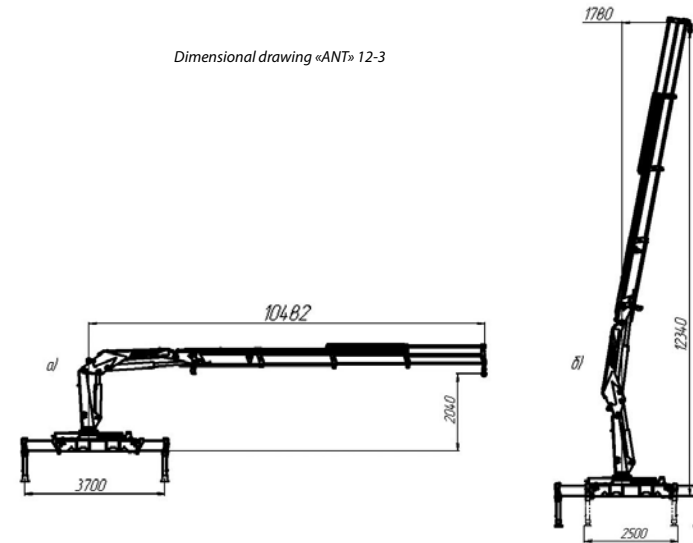
Screw	2 pcs.
Drilling depth	At least 3000 mm
Drill length	At least 2680 mm
Screw length	At least 1800 mm
Drill bit diameter	1. 360 mm 2. 500 mm
Hydraulic Rotator Features Digga PD4	Max. Ø screw for light soils - 400 mm Max. Ø screw for rocky soils - 300 mm Required hydraulic power - 30-50 l/min Operating pressure-125-240 bar. Max. torque at a pressure of 240 bar. – 1800 Hm Rotation speed-50-91 rpm Round output shaft with a diameter of 65 mm Diameter of the hydraulic rotator - 187 mm Total length-600 mm Weight - 59 kg

**Technical characteristics of the Crane-manipulator ANT 12-3**

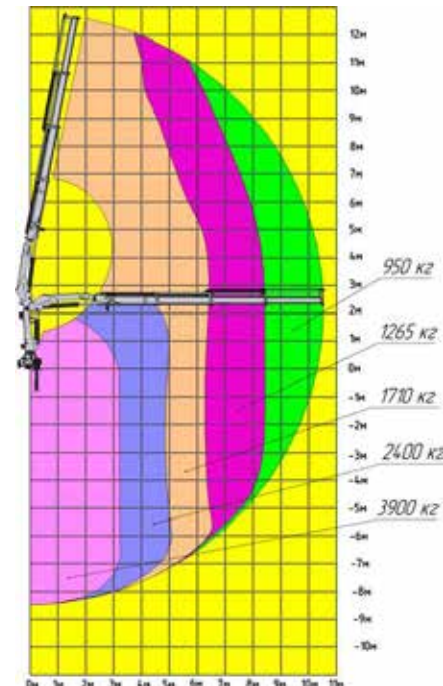
Parameters	Parameter value
Number of hydraulic extension sections	3 pcs.
Cargo moment	11,80 тМ
<b>Maximum loading capacity</b>	<b>3 900 kg</b>
Load capacity at maximum reach	950 kg
Maximum departure of an arrow	10,4 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	12,4 m
Maximum lowering depth	8,2 m
Control method	Hydraulic
Column rotation angle	390°
Place of management	From the earth
Transport position of supports	Down
Type of extendable supports	Mechanical
Base of extendable supports	3 700 mm
Base supports with increased reach	5 400 mm
Weight without hydraulic pump, without working fluid	2 200 kg
Tank capacity, l (full / max / min)	139/129/118
Pump performance	32 l/min
Working pressure	28 MPa
Size along stud axes	720 mm
Size for mounting on the frame	960 mm
Overall dimensions in transport position, mm	2 480 x 865 x 2235



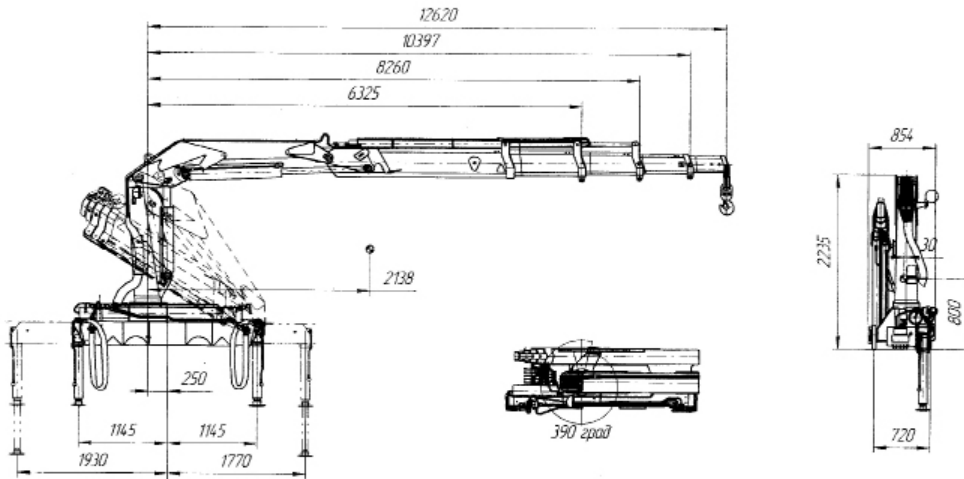
Dimensional drawing «ANT» 12-3



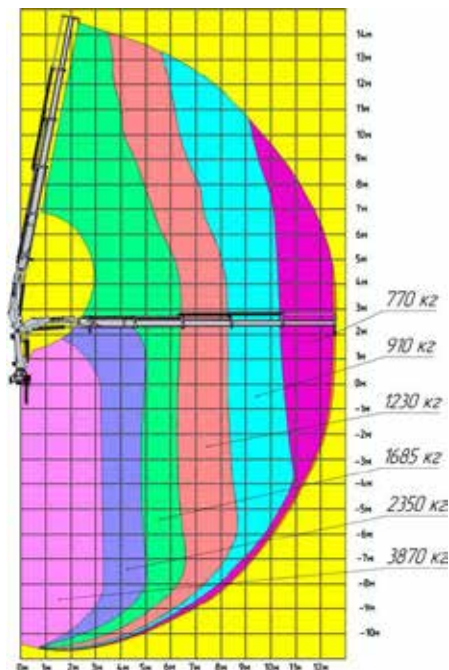
Cargo altitude characteristics «ANT» 12-3



Dimensional drawing «ANT» 12-4



Cargo altitude characteristics «ANT»12-4



## Technical characteristics of the Crane-manipulator ANT 12-4

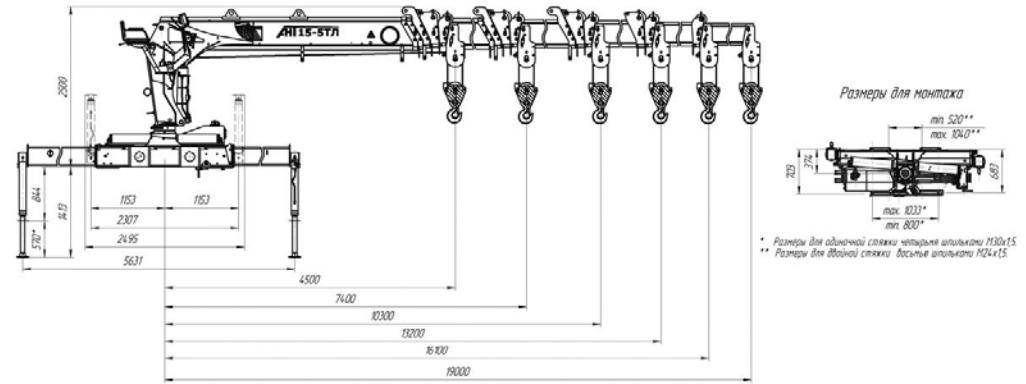
Parameters	Parameter value
Number of hydraulic extension sections	4 pcs.
Cargo moment	11,50 тм
Maximum loading capacity	3 870 kg
Load capacity at maximum reach	770 kg
Maximum departure of an arrow	12,56 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	14,27 m
Maximum lowering depth	10,46 m
Control method	Hydraulic
Column rotation angle	390°
Place of management	On Earth, Remote Control
Transport position of supports	Down
Type of extendable supports	Mechanical
Base of extendable supports	3 700 mm
Base supports with increased reach	5 400 mm
Weight without hydraulic pump, without working fluid	2 300 kg
Tank capacity, l (full / max / min)	135/125/116
Pump performance	32 l/min
Working pressure	28 MPa
Size along stud axes	720 mm
Size for mounting on the frame	1054 mm
Overall dimensions in transport position, mm	2 500 x 865 x 2235



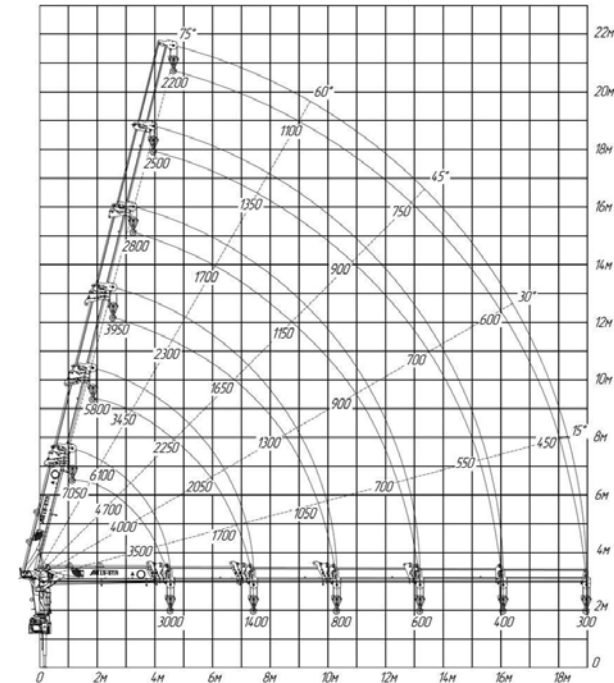
**Technical characteristics of the Crane-manipulator ANT 15-5TЛ**

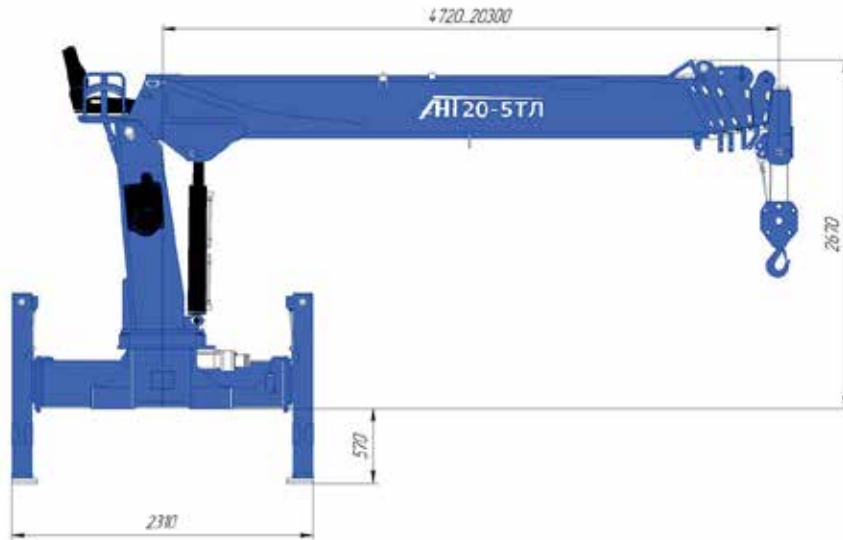
Parameters	Parameter value
Number of hydraulic extension sections	5 pcs.
Cargo moment	15 тм
<b>Maximum loading capacity</b>	<b>7050 kg</b>
Load capacity at maximum reach	300 kg
Maximum departure of an arrow	19 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	19,5 m
Maximum lowering depth	19,5 m
Control method	Hydraulic
Column rotation angle	420°
Place of management	From a seat
Transport position of supports	Up
Type of extendable supports	Hydraulic
Base of extendable supports	5 630 mm
Base supports with increased reach	5 400 mm
Weight without hydraulic pump, without working fluid	2 900 kg
Tank capacity, l (full / max / min)	127/120/103
Pump performance	60 l/min
Working pressure	24 MPa
Size along stud axes	703 mm
Size for mounting on the frame	1 200 mm
Overall dimensions in transport position, mm	5300 x 2 500 x 2 500

Dimensional drawing «ANT»15-5TЛ

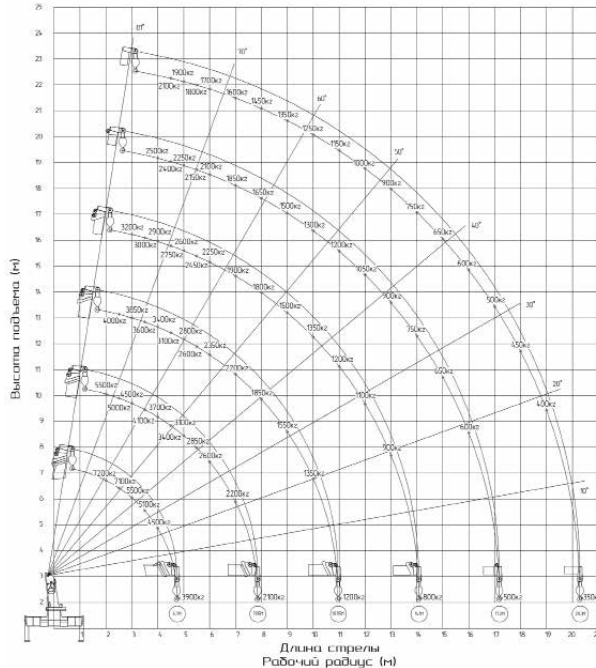


Cargo altitude characteristics «ANT»15-5TЛ





Cargo altitude characteristics «ANT» 20-5ТЛ

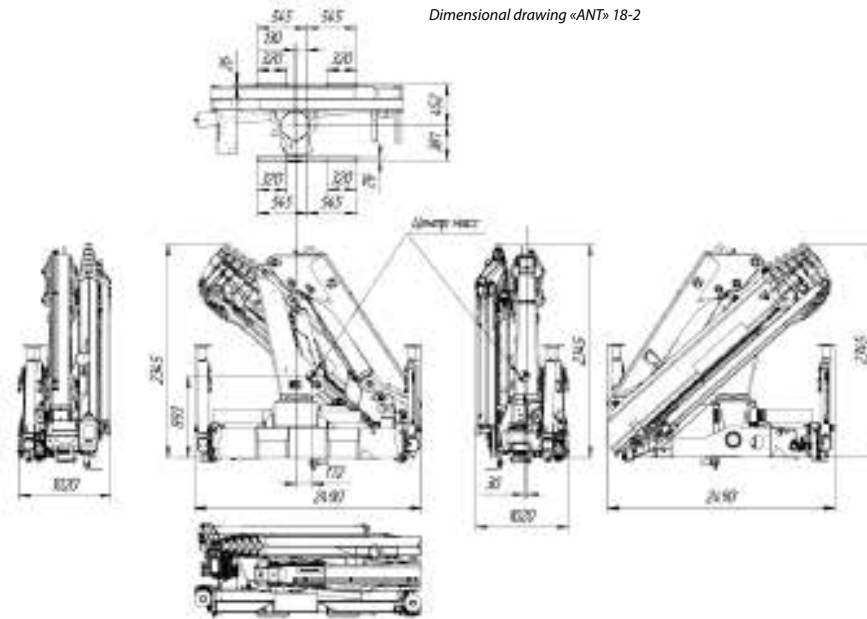


## Technical characteristics of the Crane-manipulator ANT 20-5ТЛ

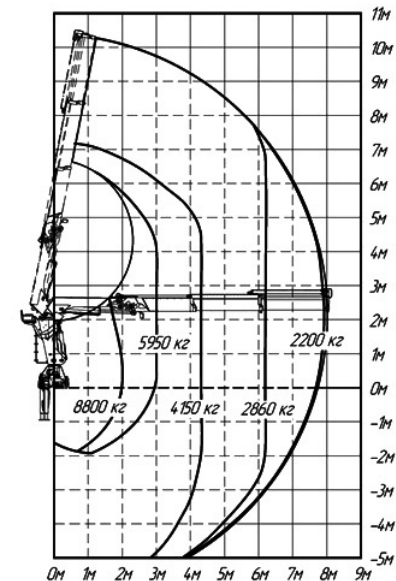
Parameters	Parameter value
Количество гидравлических выдвижных секций	5 pcs.
Cargo moment	18 тм
Maximum load capacity at minimum departure	7 200 kg
Load capacity at maximum reach	350 kg
Maximum departure of an arrow	20,3 m
Minimum reach of an arrow	1,2 m
Minimum working reach of the boom	2,5 m
Operating ambient temperature, ° C	-40...+40
Maximum lifting height	23,3 m
Maximum working radius	20,3 m
Maximum depth of lowering	19,5 m
Torque of the rotation mechanism	2 тм
Control method	Hydraulic
Column rotation angle	360°
Place of management	From the seat
Support beams	With hydraulic drive
Winch	Hydraulically driven Ø 10mm, length 120m
Angle of elevation of the boom	17°-81°
Type of extendable supports	Hydraulic
Pump performance	60 l/min
Working pressure	24 MPa
Built-in hydraulic tank	180 l
Weight	3670 kg
<b>Additional option</b>	
<b>Drilling equipmen</b>	
Length of the drill Assembly, m	3,5
Diameter, mm	360
Rotation force, tm	0,7
<b>Passenger basket</b>	
appointment	lifting people and small masses to a height for repair and installation works is designed to lift two people
Carrying capacity	250 kg
Length	1560 mm
Width	650 mm
bracket	with quick release device
Control	remote – radio-remote control

**Technical characteristics of the Crane-manipulator ANT 18-2**

Parameters	Parameter value
Number of hydraulic extension sections	2 pcs.
Cargo moment	17,90 тм
<b>Maximum loading capacity</b>	<b>8 800 kg</b>
Load capacity at maximum reach	2 200 kg
Maximum departure of an arrow	8,00 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	9,80 m
Maximum lowering depth	6,00 m
Control method	Hydraulic
Column rotation angle	390°
Place of management	From a seat
Transport position of supports	Up
Type of extendable supports	Hydraulic
Support base	5 660 mm
Weight without hydraulic pump, without working fluid	2 650 kg
Tank capacity, l (full / max / min)	95 / 90 / 85
Pump performance	40 l/min
Working pressure	28 MPa
Size along stud axes	824 mm
Size for mounting on the frame	1 060 mm
Overall dimensions in transport position, mm	2 490 x 1 305 x 2 330

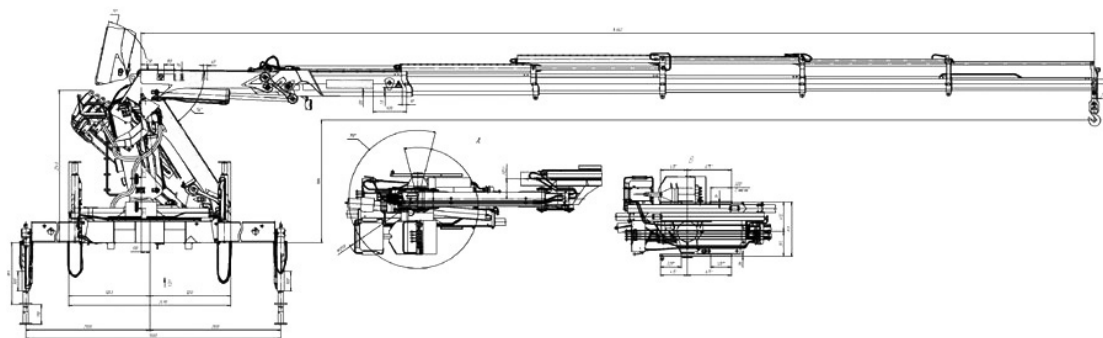


Cargo altitude characteristics «ANT» 18-2

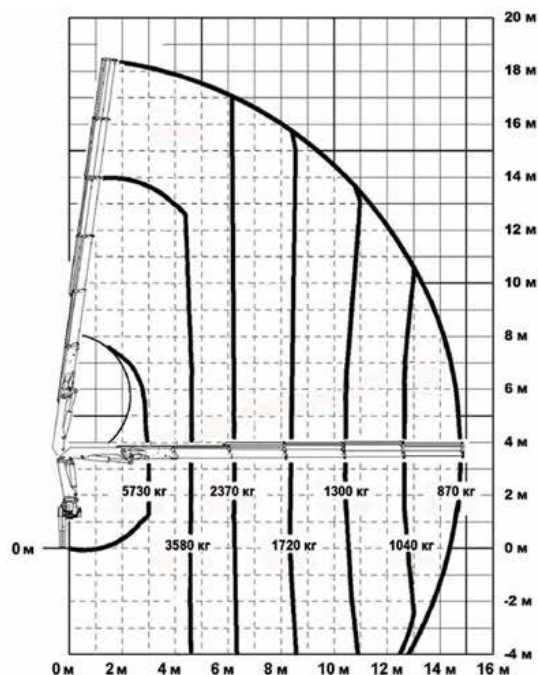




Dimensional drawing «ANT» 18-5



Cargo altitude characteristics «ANT» 18-5



### Technical characteristics of the Crane-manipulator ANT18-5

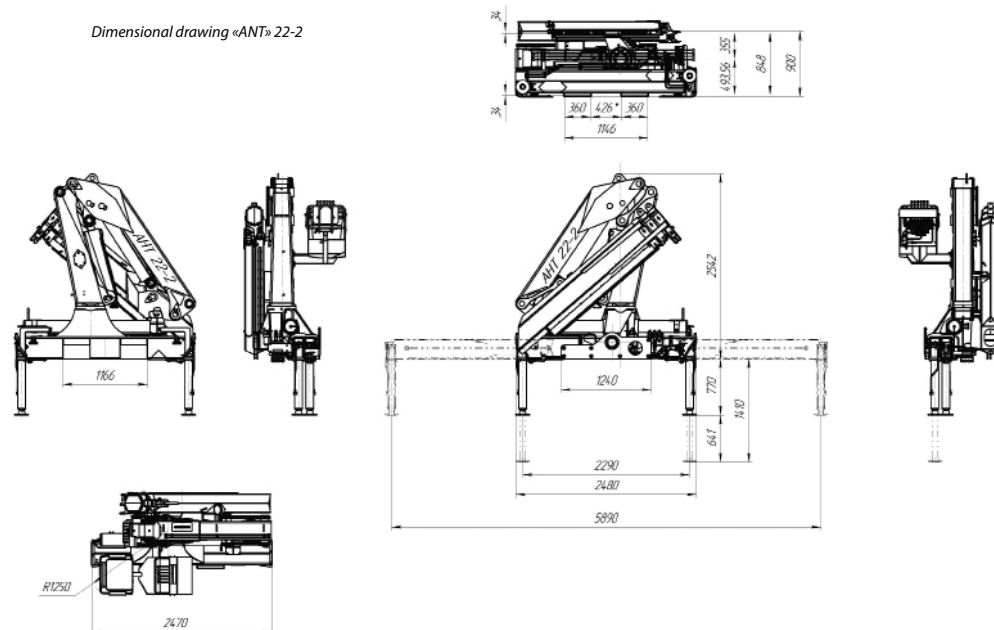
Parameters	Parameter value
Number of hydraulic extension sections	5 pcs.
Cargo moment	17,20тМ
Maximum loading capacity	5 750 kg
Load capacity at maximum reach	870 kg
Maximum departure of an arrow	14,60 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	16,00 m
Maximum lowering depth	12,00 m
Control method	Hydraulic
Column rotation angle	390°
Place of management	From a seat
Transport position of supports	Up
Type of extendable supports	Hydraulic
Support base	5 660 mm
Weight without hydraulic pump, without working fluid	3 155 kg
Tank capacity, l (full / max / min)	95 / 90 / 85
Working pressure	28 MPa
Size along stud axes	824 mm
Size for mounting on the frame	1060 mm
Overall dimensions in transport position, mm	2 490 x 1 305 x 2 330



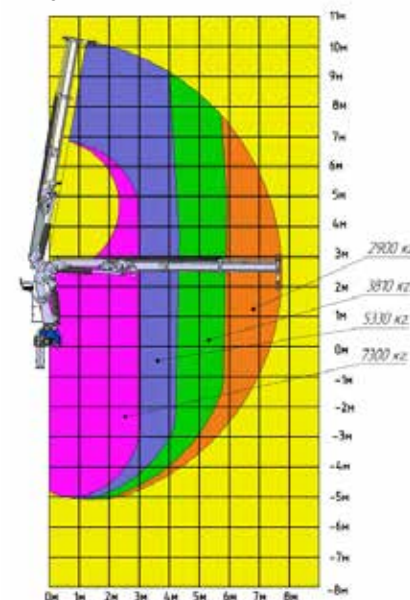
**Technical characteristics of the Crane-manipulator ANT 22-2**

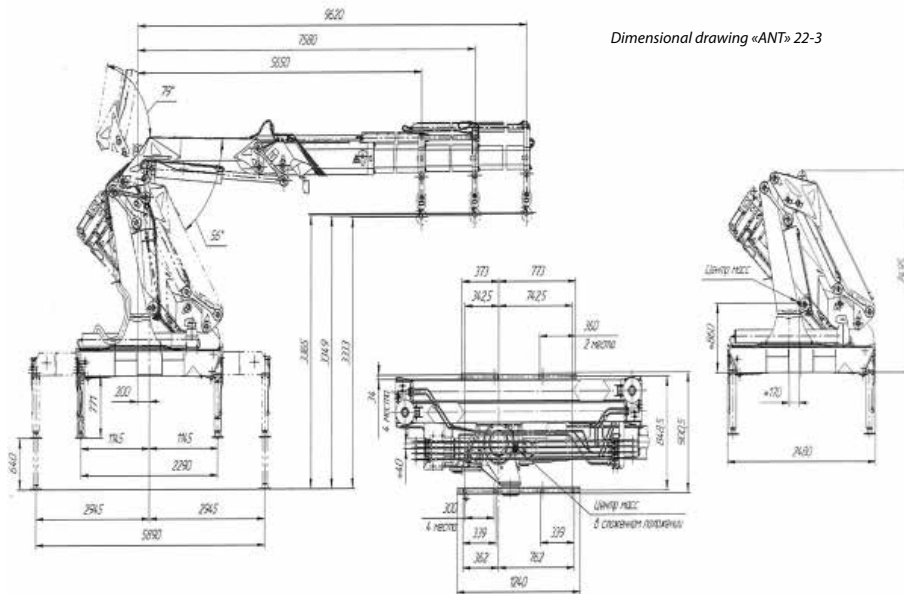
Parameters	Parameter value
Number of hydraulic extension sections	2 pcs.
Cargo moment	22,00тм
<b>Maximum loading capacity</b>	<b>7 300 kg</b>
Load capacity at maximum reach	2 900 kg
Maximum departure of an arrow	7,60 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	9,58 m
Maximum lowering depth	4,95 m
Control method	Hydraulic
Column rotation angle	410°
Place of management	From a seat
Transport position of supports	down
Type of extendable supports	Hydraulic
Support base	5 890 mm
Weight without hydraulic pump, without working fluid	3 000 kg
Tank capacity, l (full / max / min)	186 / 167 / 129
Pump performance	50 l/min
Working pressure	25 MPa
Size along stud axes	848 mm
Size for mounting on the frame	1090 mm
Overall dimensions in transport position, mm	2 480 x 1 430 x 2 495

Dimensional drawing «ANT» 22-2

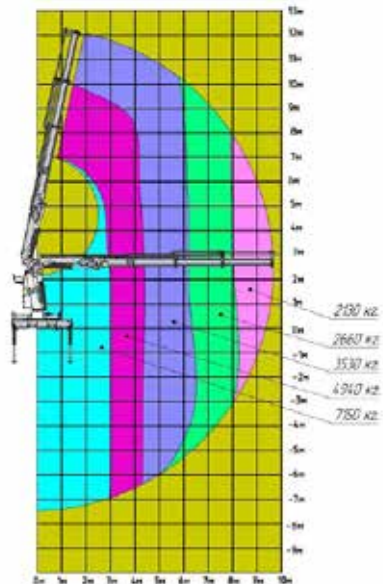


Cargo altitude characteristics «ANT» 22-2





Cargo altitude characteristics «ANT» 22-3



## Technical characteristics of the Crane-manipulator ANT 22-3

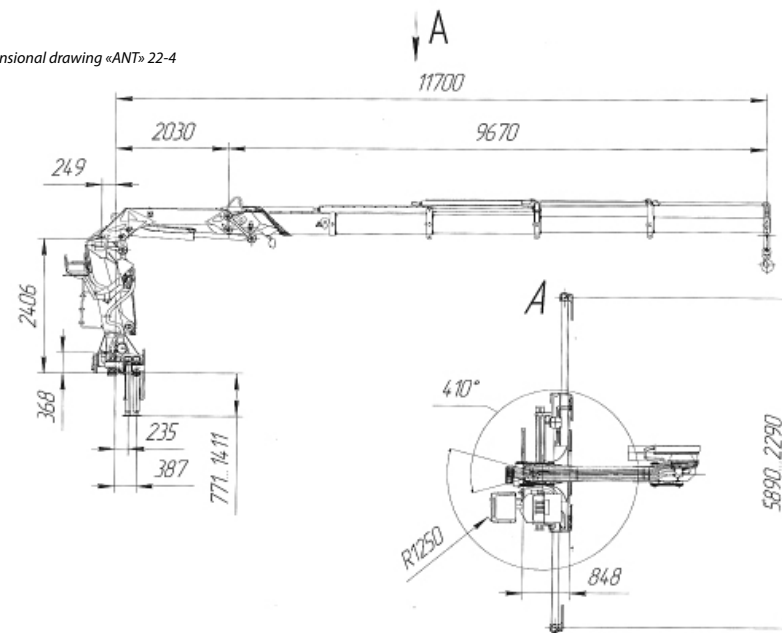
Parameters	Parameter value
Number of hydraulic extension sections	3 pcs.
Cargo moment	21,40тм
<b>Maximum loading capacity</b>	<b>7 150 kg</b>
Load capacity at maximum reach	2 130 kg
Maximum departure of an arrow	9,62 м
Operating ambient temperature, ° C	-40...+40
Maximum lifting height	11,58 м
Maximum lowering depth	7,15 м
Control method	Hydraulic
Column rotation angle	410°
Place of management	From a seat
Transport position of supports	down
Type of extendable supports	Hydraulic
Support base	5 890 mm
Weight without hydraulic pump, without working fluid	3 160 kg
Tank capacity, l (full / max / min)	186 / 167 / 129
Pump performance	50 l/min
Working pressure	25 MPa
Size along stud axes	848 mm
Size for mounting on the frame	1090 mm
Overall dimensions in transport position, mm	2 480 x 1 430 x 2 495



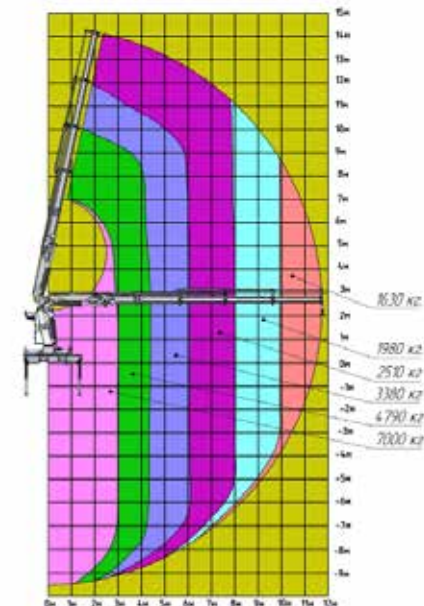
**Technical characteristics of the Crane-manipulator ANT 22-4**

Parameters	Parameter value
Number of hydraulic extension sections	4 pcs.
Cargo moment	21,00ТМ
Maximum loading capacity	7 000 kg
Load capacity at maximum reach	1 630 kg
Maximum departure of an arrow	11,70 m
Operating ambient temperature, °C	-40...+40
Maximum lifting height	13,63 m
Maximum lowering depth	9,60 m
Control method	Hydraulic
Column rotation angle	410°
Place of management	From the ground, from the column
Transport position of supports	down
Type of extendable supports	Hydraulic
Support base	5 890 mm
Weight without hydraulic pump, without working fluid	3 350 kg
Tank capacity, l (full / max / min)	186 / 167 / 129
Working pressure	25 MPa
Size along stud axes	848 mm
Size for mounting on the frame	1090 mm
Overall dimensions in transport position, mm	2 480 x 1 430 x 2 495

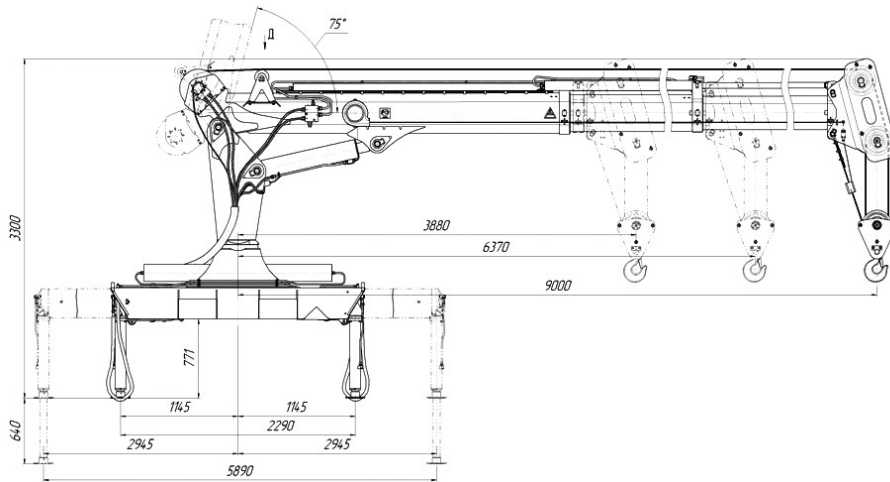
Dimensional drawing «ANT» 22-4



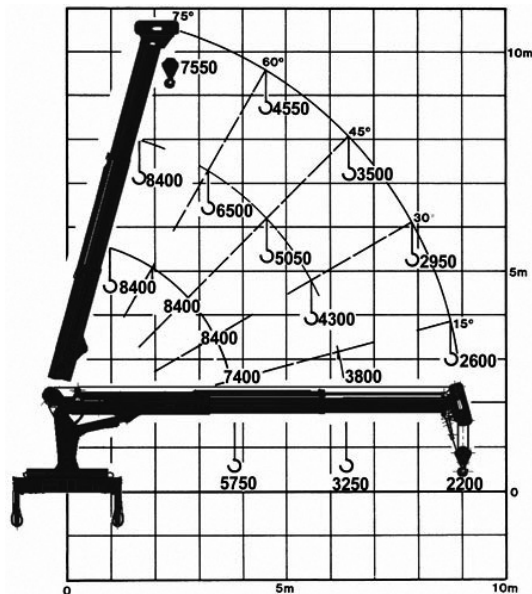
Cargo altitude characteristics «ANT» 22-4



Dimensional drawing «ANT» 24T-2



Cargo altitude characteristics «ANT» 24T-2



### Technical characteristics of the Crane-manipulator ANT 24T-2

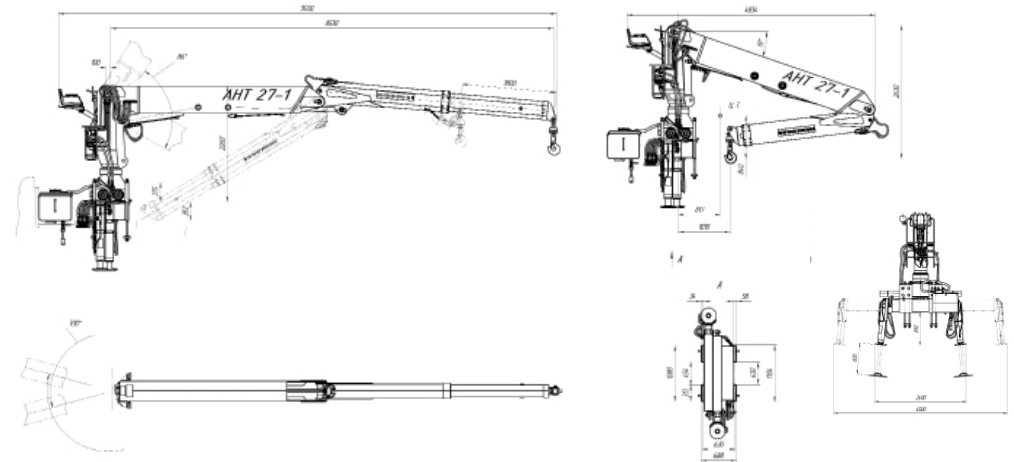
Parameters	Parameter value
Number of hydraulic extension sections	2 pcs.
Cargo moment	23,3 тм
<b>Maximum loading capacity</b>	<b>8 400 kg</b>
Load capacity at maximum reach	2 200 kg
Maximum departure of an arrow	9,00 m
Operating ambient temperature, ° C	-40 ... +40
Maximum lifting height	10,9 m
Column rotation angle	410°
Pump performance	60 l/min
Maximum lowering depth	5,80 m
Control method	Hydraulic
Place of management	From the ground, from the seat
Weight without hydraulic pump, without working fluid	2 630 kg
Size along stud axes	848 mm
Size for mounting on the frame	1115 mm



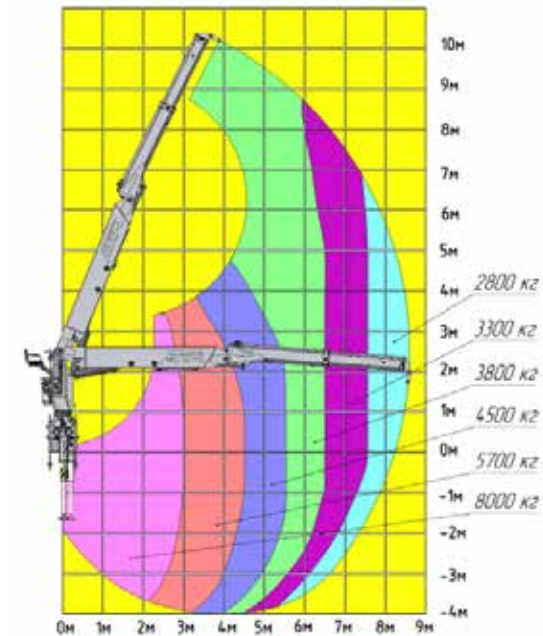
**Technical characteristics of the Crane-manipulator ANT 27-1**

Parameters	Parameter value
Number of hydraulic extension sections	1 pc.
Cargo moment	27,00тм
Maximum loading capacity	9 000 kg
Load capacity at maximum reach	3 300 kg
Maximum departure of an arrow	8,53 m
Operating ambient temperature, ° C	-40...+40
Maximum lifting height	9,50 m
Maximum lowering depth	2,20 m
Control method	Hydraulic
Column rotation angle	390°
Place of management	From a seat
Transport position of supports	down
Type of extendable supports	Hydraulic
Support base	4 500 mm
Weight without hydraulic pump, without working fluid	3 900 kg
Tank capacity, l (full / max / min)	200/180/150
Pump performance	60 l/min
Working pressure	26 MPa
Size along stud axes	630 mm
Size for mounting on the frame	870 mm
Overall dimensions in transport position, mm	4 834 x 2 400 x 2 630

Dimensional drawing «ANT» 27-1



Cargo altitude characteristics «ANT» 27-1



# CRANE-MANIPULATOR INSTALLATIONS «ANT» PRODUCTION « URAL PLANT OF LIFTING MECHANISMS»



1.8-2



4.4-1



5-2



8.5-2



8.5-2



10ЛМ



12-2



12-4



15-5ТЛ



22-2



22-4



27-1



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