

GENERAL INFORMATION ABOUT THE PRODUCT

Shelter for mobile base station (shelter MBS), supplied by «Strommontazh Company» LLC, is intended for an installation of technological tele– and radio–communication equipment.

The external dimensions of shelter MBS:

- height 2850 mm;
- width 1820 mm;
- length 3000 mm.

★ The external dimensions of shelter MBS:

- height 2500 mm;
- width 1700 mm;
- · length 2850 mm.

† The upper platform dimensions for maintaining:

- width 650 mm;
- length 3000 mm.

↓ The dimensions of platform (chassis) for shelter MBS transportation and storage:

- width 2300 mm;
- length 4000+1100 mm.

6 The temperature and humidity conditions of shelter MBS exploitation:

- ambient temperature from -22°C to +25°C;
- relative humidity to 98%.

❖ The weight of shelter MBS in compilation – 1500 kg.

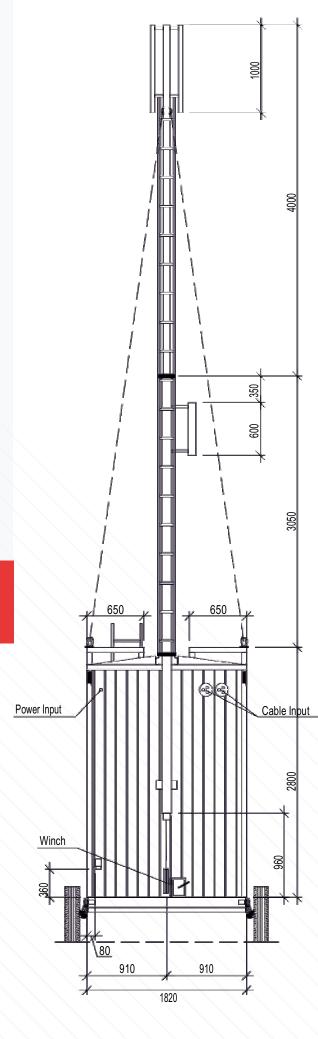
② Service life – 10 years.

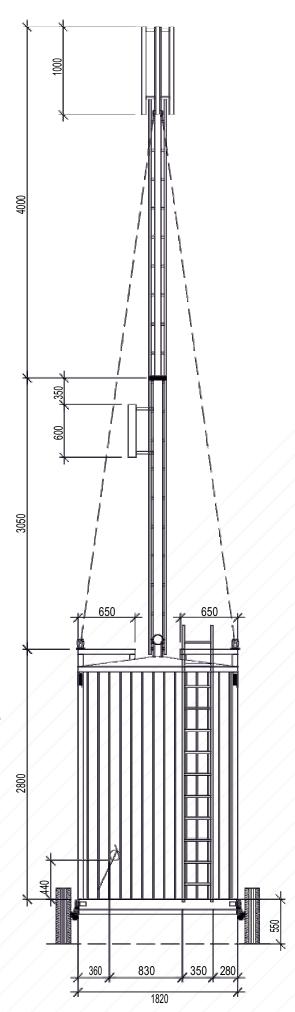
Guarantee period – 12 months since the day of shipment from the company–manufacturer with the implementation of transportation, storage and exploitation conditions.

Shelter MBS is in the form of a rectangular parallelepiped double-tilt roof. Two maintaining platforms and hubs for transportation and attachment of the antenna foundation in a vertical position are placed in the upper part of the shelter. The shelter has got guaranteed estimate of rigidity, strength and thermotechnical characteristics for placement in mountain regions at the altitude of 1800–3700 m above sea level.

The platform on the base of the automobile trailer chassis KNOTT D-83125, type KF 27 of 2700 kg carrying capacity is used for the transportation and placement of shelter MBS in the spot of broadcast.

The supporting structure of shelter MBS is a steel carcass made of shaped tubes. Outside and inside the shelter carcass is lined with galvanized shaped slate of 0,5 mm width (C10–1000–0,5) with white polymeric coverage. In the carcass there are fixtures for the equipment installing, brackets of cable hods and lifting





hubs and fixation of the antenna support in a vertical position. There are technological holes for cable and feeder ports as well as conditioning systems in the walls.

The walls of shelter MBS are insulated with polystyrene foam of 60 mm width. The joints between the walls and the floor in the control room are sealed with a metal plinth.

The floor of the control room of shelter MBS is made from OSB of 20 mm width. The floor is covered with linoleum. The floor is insulated with polystyrene foam of 60 mm width.

The construction of the shelter MBS roof is an arched metal carcass covered with primed steel slate of 2,0 mm width. The roof of the shelter is insulated with polystyrene foam of 60 mm width.

The door of shelter MBS is metal (the width of an external slate – 2 mm, an internal one – 0,5 mm) insulated with a lock of a clamp type.

The doorway is 2050 x 930 mm.

Shelter MBS is provided with a stationery ladder for reaching maintenance platforms on the roof of it.

The hinged hub of the antenna foundation attachment, transport yokes of the antenna foundation and rings of the rod foundation are placed on the platform. The antenna foundation consists of two parts: upper – removable, lower – stationary on a hinge.

The antenna foundation is transported in a horizontal position with shelter MBS being disassembled and fixed with transport yokes. During the installation of shelter MBS in a spot of broadcast the antenna foundation is assembled in a horizontal position and is lifted in a vertical one with the help of a complete manual winch placed on the automobile trailer chassis. The fixation of the antenna foundation in a vertical position is conducted with bolt joints from the external part of the shelter – in the end face part. The height of the antenna foundation is 10,4 m from the ground level taking under consideration vertical dimensions of the automobile trailer.

Shelter MBS can be provided with diesel power plants (DPP) and a 100 l container for diesel fuel. The DPP set is installed on the platform of the automobile trailer in a protective cover. The volume of the capacity for diesel fuel allows to provide with maintenance–free work period of base station during 72 h. with a nominal load to 5 kW and 1,5 l/hour fuel consumption.



DELIVERY SET CONSISTS OF:

•	shelter for mobile base station in		
	compilation	. 1	pc;
•	antenna foundation	_	
	(compound, of two parts)	. 1	pc;
•	rods of the antenna foundation with	_	
	turnbuckles	. 5	sets;
•	mechanical manual winch with	4	
_	cable system	. 1	sets;
•	stationary ladder for a lift to the roof of the shelter	1	n.c.
	floor air conditioner		pc,
•	Uniel TAC-12CPA/V	1	nc.
	electrical convector	•	ρc,
	Atlantic F 119 500	1	sets.
	switchboard SB-40A-B-M in	•	Jets,
	compilation	1	pc:
			r - <i>1</i>

•	main grounding tyre MGT	1	рс;
•	cableway	6,	5 r.m.
•	internal wall and ceiling lamp		
•	one-pole switch 220 V		
•	double socket		
•	single socket		
•	external connector of the		1/
	generator	1	pc:
•	feeder sealed lead-in		
•	cable for protection against lightning/		P -/
	grounding ended, 4 r.m.		pc:
•	protection cover for generator		F -,
	grounding	1	pc:
	carbon-dioxide-3 fire extinguisher		
	technical passport on shelter MBS		
	teerinical passport on shelter MDS	•	ρc.

TRANSPORTATION AND STORAGE INSTRUCTIONS.

Shelter for mobile base station can be transported by standard road freight transport in a set to the automobile trailer form and by railway transport.

The vehicle speed during the transportation of shelter MBS should not exceed:

- 50 km/h on roads with asphalt surfacing;
- 30 km/h on roads with crushed stone and cobblestone surfacing;
- 15 km/h on roads with ground surfacing.

It is permitted to store shelter MBS in the open air in a set to the automobile trailer form.

It is not permitted to install shelter MBS in snow, water and mud to prevent the floor and wall insulation from humidification.