



MOBILE WORKSHOP



A mobile workshop is an in replaceable item dedicated to field maintenance and overhaul of both combat and noncombat equipment.

Depending on the type of mobile workshop and the assumed combat order, these travelling shelters can be used to fulfil various and numerous requirements.

CONTENTS OF A WORKSHOP COMPLEMENT

A workshop includes:

- Vehicle with a shelter
- Set of workshop equipment
- Mobile electric generating set

The shelter is fixed on truck and is used for accommodation and transportation of a workshop equipment and as the working area. It is fixed to the vehicle chassis frame by means of an auxiliary frame and a flexible connection thus adding to the vehicle's cross-country capability. The assortment of a workshop equipment depends on its type and function.

WORKSHOP PLATFORM

Workshop vehicle is equipped for the I level maintenance in artillery battery. It contains necessary tools and accessories for the I level maintenance of the whole battery: armament, vehicles, electrical, pneumatically, hydraulically installations etc.

Shelter structure

It is a monocoque, closed type shelter, made of reinforced polyurethane insulation plates covered on both sides with 1 mm thick aluminium sheet-metal; It can be transported by a crane, railway or helicopter. Operating temperature range: -30°C to +60°C.

Basic Characteristics

- Length: 10645 mm
- Width: 2665 mm
- Height: 3720 mm
- Type of the vehicle: wheeled, 6x6
- Engine: 4 stroke, DIESEL, turbo charge, liquid cooling, 240 HP
- Gearbox: 10 gears forward, 2 gears in reverse
- Distribution box: two ratio
- Transmission: Constant drive on all wheels; Differential lock in the drive distributor; Rear tandem interaxial differential lock; Differential lock between the wheels of rear tandem
- Wheels and tires: 425/85R21, with system for central regulation of tire pressure manually controlled from the cabin
- Fuel tanks: 210+350 l

Performances

- Max. speed: ~ 90 km/h
- Clearance: ~ 385 mm
- Max. fording capability with wave: ~1200 mm
- Nominal voltage of electric equipment: 24V
- Exploitation temperature range: -20°C do +50°C

Equipment:

- Indicator of the number of revolutions of crankshaft
- Manometer for oil pressure in the engine
- Manometer for air pressure in the braking system
- Indicator of cooling liquid temperature
- Towing hook on the front and towing hook on the back
- Winch (reel): with mechanical drive, ~7.7 t driving force; rope length: min. ~80 m

ELECTRIC GENERATING SET

- Power, nominal 40 kW
- Voltage 3x400/220 V
- Heating unit webasto device

Electric power supply equipment and accessories arranged on a folding work bench

Depending on the operating conditions, a workshop can be energized from one of the four different electric power sources:

Distribution network 380/220V, 50 Hz Distribution network 220V, 50 Hz Mobile electric generating set Other mobile workshop

The workshop can be connected to power sources by means of cables, connectors and distribution boxes contained in the work bench drawers.

Basic equipment

- 220V electric generator, over 8 kW power
- Connector for external power supply
- AC/DC convertor 12 and 24V, 40 A
- Air-conditioner
- Desks with drawers for storing tools and spare parts,
- Bench electric drill,
- Bench electric grinding machine,
- Electric handheld drill,
- Universal hydraulic press,
- Electro welding device.
- Gas welding device,
- High-pressure compressor,
- 40 l nitrogen cylinder, up to 150 bar pressure,
- Hand and foot grease pump
- Fire-fighting cylinder S 6,
- Cable for external power supply 220V, with connectors,
- Cables with connectors for power consumers, up to 1.5 kW,
- Dismounting crane,
- Hydraulic jack,
- Standard Mechanical Tools
- Standard Tools for Hydraulic and Pneumatic Components
- Standard Tools for Maintenance of Electric Installations
- Standard Measuring Tools:
- Standard Accessory For Engine Maintenance:
- Accessory and Tools for Painting and Conservation

