NORA-B52

Self-propelled gun-howitzer 155 mm

The NORA-B52 155mm self-propelled gun-howitzer is designed to provide fire support to own units. Fire support is achieved by powerful, sudden and rapid fire against tactically, operatively and strategically significant targets at greater distances.

The weapon is modular, which provides for the delivery of a number of different options depending of the user's choice.

The gun rate and mode of fire:

- fire mode is 12 rounds in less than 4 minutes
- barrel ballistic life - 1000 rounds with charge 10 as per the firing tables
- with autofrettage barrel - 2000 rounds with charge 10 as per the firing tables

The vehicle ground support system during firing and the mechanisms for movement of the self-propelled 155mm gun-howitzer provide:

- basic direction of fire – contrary to the direction of driving
- field of action in elevation from - 5° to +65° with the speed of the barrel movement in elevation of ≥8°/sec.,
- total field of action in azimuth of minimum 60° (with approximately equal rotation in both directions from the longitudinal axis of the vehicle) with the speed of the barrel movement in azimuth of ≥ 6°/seconds,
- auxiliary direction of fire - in the driving direction:
- field of action in elevation from + 25° to +65°,
- total field of action in azimuth of minimum 50° (with approximately equal rotation in both directions from the longitudinal axis of the vehicle).

The NORA-B52 155mm self-propelled gun-howitzer can be used, without degrading its exploitation characteristics, in the following conditions:

- on all types of ground,
- in all climatic-mechanic conditions (sunshine, rain, snow, high humidity, high sand concentration),
- by day and night, in all visibility conditions,
- the operation of all basic subsystems of the weapon is

reliable within the temperature range from - 25°C to + 55°C

- in case of failure of the basic motor, the additional power unit installed in the weapon, provides smooth operation of all subsystems,
- in case of failure of the electrical-power subsystem, the basic functioning is ensured through the blocks and valves installed in the weapon so that the weapon can exit the firing position,
- the weapon has an installed independent, stand-by, manual hydraulic subsystem that enables the transition from the combat to the marching position in order to withdraw from the firing position.

The combat mass of the NORA-B52 gun-howitzer, with a 0.5 combat set and the crew members, does not exceed 36 tons.

The number of crew members of the NORA-B52 self-propelled gun-howitzer is 5 (commander, gunner, driver and two crew members). The communication between the crew members is enabled by an intercommunication (UMK) unit, which enables normal communication at the work places and at the places of serving the automatic loader components. The UMK unit is integrated into the communication system on the weapon and battery level.

The time of the transition of the weapon from the marching to the combat position and vice versa is less than 90 seconds.

A part of the fire control system is integrated on the NORA-B52 self-propelled weapon, which, together with the fire control system on the levels of the battery and division, enables efficient use of the weapon.

The weapon part of the fire control system includes:

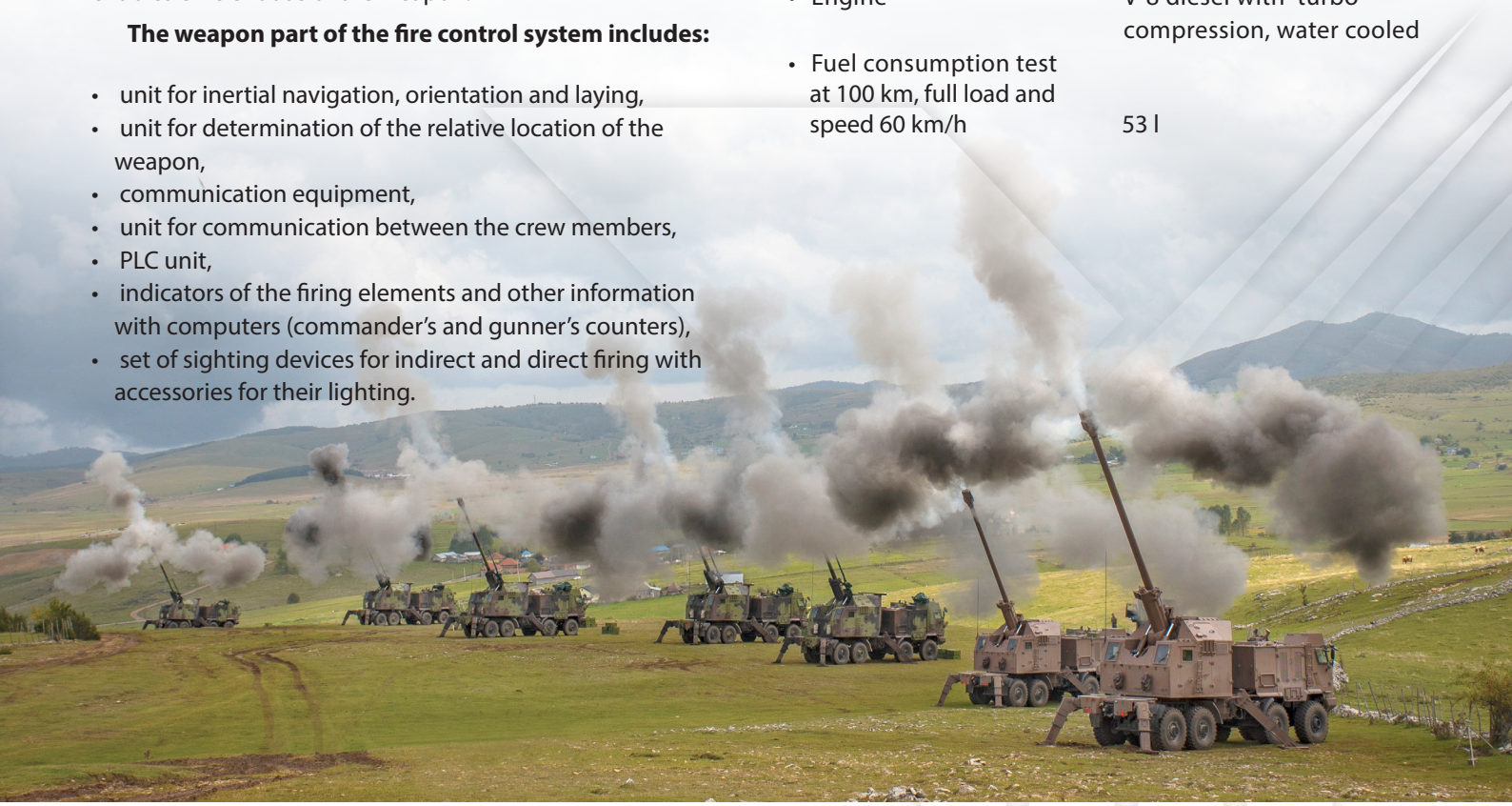
- unit for inertial navigation, orientation and laying,
- unit for determination of the relative location of the weapon,
- communication equipment,
- unit for communication between the crew members,
- PLC unit,
- indicators of the firing elements and other information with computers (commander's and gunner's counters),
- set of sighting devices for indirect and direct firing with accessories for their lighting.

The fire control system on the battery level enables the use of the weapon in several ways, and specifically:

- in the automatic operation mode (automatic line of sight),
- in the semi-automatic operation mode,
- in the classical-manual operation mode.

Technical characteristics of the 8x8 chassis

• Wheels formula	8x8
• Interaxial base, mm	2060 + 3640 + 1440
• GVW, kg, maximum:	38000
- over the front axle tires	15000
- over the rear tandem tires	23000
• Engine	V-8 diesel with turbo compression, water cooled
• Fuel consumption test at 100 km, full load and speed 60 km/h	53 l



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Should you have any further enquires, please do not hesitate to contact us at **fdsp@eunet.rs**