



NORA-B52 M21

Self-propelled gun-howitzer 155 mm



The NORA-B52 M21 155 mm self-propelled gunhowitzer is designed to provide fire support to the blueside maneuver units. Fire support is achieved by powerful, sudden and rapid fire against tactically, operationally and strategically significant targets at great distances.

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

The NORA-B52 M21 155 mm self-propelled gunhowitzer 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,
- operation is ensured in case of main drive failure by integration of APU and manual hydraulic controls.

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

- in the automatic operation mode (automatic gun laying and automatic loading of both projectile and powder charges),
- in the semi-automatic operation mode,
- in the classical-manual operation mode with set of sighting devices.

TECHNICAL DATA :

- Rate of fire
 - maximum 4 rds/min
 - sustained 3 rds/min
- Ranges:
 - with HE 155 mm M107 18.4 km
 - with HE 155 mm ERFB-BT 32.4 km
 - with HE 155 mm ERFB-BB 41.1 km
- On board ammunition 12 in autoloader + 24 in stowage
- Barrel service life
 - with regular barrel 1000 EFCs
 - with autofrettaged barrel 1500 EFCs
- Field of action in elevation:
 - main direction – to the rear of the vehicle - 5° to + 65°
 - auxiliary direction – over the cabin + 20° to + 65°
- Field of action in traverse:
 - main direction – to the rear of the vehicle ± 30°
 - auxiliary direction – over the cabin ± 25°
- Rate of traverse/elevation 6° to 8° per sec
- Auxiliary weapons 12.7 mm MG, 6 SGD
- Crew members 5
- Crew protection level STANAG 4569, level 2
- Deployment/redeployment time 90/60 sec
- Gross vehicle weight 39 t
- Wheel formula 8x8
- Max road speed 95 km/h
- Road autonomy 650 km

