

ALAS - L

Land attack system



The ALAS L organized in battalion and battery combat units. The battalion command post (via battalion communication center) is connected to the customer's sensors (radars) and C4I systems from which it receives target position and other necessary data. The collected data are processed and forwarded to the battery command post and then to the launcher-mounted (Missiles) Ground Control Station which directs the launcher platform carrying 8 ALAS L missiles in containers, computes the missile flight path (waypoints) to the selected target and feeds it to the missiles onboard computers.

The logistic support for the system is provided by the transloader carrying 27 missiles in containers equipped with hydraulic cranes for the mechanized reloading of the launchers and the mobile workshop fitted with necessary tools, spares, testing and other equipment, and the SPTA kit for the system maintenance and spares.

BATTALION COMMAND POST-MOBILE

- **PURPOSE** The unified Battalion Command Post (BtncP) in mobile or stationary configuration is designed for:
- Automation of the process of acquisition, processing and display of situation in the air, at sea or on land from own sensors and connected sensor stations at the battery level;
- Processing data received from its own sensors and sensor stations;
- Receiving commands and data from higher command;
- Sending reports and statuses to higher command;
- Manual, semi-automatic and automatic optimization of target assignment and the deployment of fire units (TEWA);
- Command and control of fire of subordinated fire units;
- Creating and simulating situations for the purpose of crew training;
- Recording, storing and reproducing critical situations for the purpose of analysis.

COMPOSITION:

- Towing vehicle 6x6 or 8x8,
- Command cabin,
- Sensors (radar + optoelectronic equipment, RF sensor),
- Sensor lifting mast ,
- Electrohydraulic resting and leveling subsystem,
- Power supply generator,
- Auxiliary equipment (air conditioning, NBC protection, fire protection).

TACTICAL CHARACTERISTICS:

- Centralized and de-centralized mode of operation,
- Receiving data and commands from the higher command,
- Reporting to the higher command,
- Using own sensors,
- Real-time forming of the situational awareness in the area of responsibility,
- Optimization of the target assignment and the deployment of fire units,
- Display of deployment and combat readiness of the units in the area of responsibility,
- Display of situation on various formats (vector map, raster map, digital map)
- Creating and simulating scenarios for crew training.



BATTERY COMMAND POST :

PURPOSE:

- The unified Battery Command Post (BCP) is designed for:
- Automation of the process of acquisition, processing and display of situation in the air, at sea or on land,
- Surveillance of the border accesses, borders, vital facilities in the area of responsibility,
- Processing data received from its own sensors (radar, optoelectronic equipment, RF sensor),
- Receiving data and commands and sending the reports and statuses to the higher command (Battalion Command Post - BtnCP),
- Manual, semi-automatic and automatic optimization of target assignment and the deployment of fire units (TEWA),
- Command and control of fire of subordinated fire units,
- Creating and simulating situations for the purpose of crew training,
- Recording, storing and replaying critical situations for the purpose of analysis.

TACTICAL CHARACTERISTICS

- Mobile and stationary version
- Centralized and de-centralized mode of operation,
- Receiving data and reporting to the higher command,
- Receiving data, statuses and reports and sending commands and data to the subordinate units,
- Using own sensors,
- Real-time forming of the situational awareness in the area of responsibility,
- Optimization of the target assignment for the deployment of fire units,
- Display of deployment and combat readiness of the units in the area of responsibility,
- Display of situation on various formats (vector map, raster map, digital map),
- Creating and simulating scenarios for crew training.



POWER PLANT/ADP-12-3x400/230-F50 YU

- | | |
|--------------------------|-------------------------|
| • Type: | ADP-12-3x400/230-F50 YU |
| • Prime power (kVA): | 15 |
| • Active power (kW): | 12 |
| • Power factor: | $\cos j = 0,8$ |
| • Output voltage (V): | 400/230 |
| • Output current (A): | 21 |
| • Output frequency (Hz): | 50 |
| • Number of phase: | 3 |
| • Type of fuel: | Euro Diesel |
| • Tank capacity (l): | 50 |
| • Weight total (kg): | 2650 |
| • Dimensions (mm): | 3800x2155x2400 |
| • Trailer | |

ALTERNATOR

- | | |
|-----------------------------|----------------|
| • Continuous power (kVA): | 17,5 |
| • Active power (kW): | 14 |
| • Voltage (V): | 400 |
| • Current (A): | 25,3 |
| • Frequency (HZ): | 50 |
| • Power factor: | $\cos j = 0,8$ |
| • Class insulation: | H |
| • Protection: | IP 23 |
| • Maximum over speed (rpm): | 3600 |

ENGINE:

- | | |
|---------------------------------|------------------------------|
| • Engine Type: | diesel, 4 cycle, 3 cylinders |
| • Continuous Rated Output (kW): | 26 |
| • Speed (rpm): | 3600 |
| • Number of cylinders: | 3 |
| • Cooling system: | liquid-cooled |
| • Start system: | battery 12V/45Ah |

