YUGOIMPORT
SDPR J.P.

107 mm

Self-propelled multiple-modular launch rocket system

BASIC CHARACTERISTICS:

- Caliber: 107 mm
- Range: 8.2 km and 11.5 km with extended range rocket
- Number of tubes: 2 x 24
- Operating temperature range: -30˚C to 60˚C
- Programmed firing by firing control unit and remote firing, rate of fire single- tripple 2 round/s.
- Automatic and semiautomatic aiming
- Automatic, semiautomatic and manual control of legs
- Stabilization of the system by four legs
- Direction range: ±110˚
- Elevation range: -1˚ to 60˚
- Special construction and disposition of the launcher system enables even distribution of loads on axle shafts in transport and firing over the cabin possibility.
- Automatic fire control system: automatic navigation, orientation and aiming by GPS and INS, performing the task based on in advanced planned mission, automatic and accurate calculation of firing elements.
- Camouflage by semiautomatic tarpaulin cover and smoke screen.

LAUNCHER SYSTEM:

DIRECTIONAL MECHANISM

- The worm type self locking gearing transmission serves to point the launching platform into demanded directional position in range of ± 110˚ with accuracy better then 1mil.
- Automatic locking device for fixing launching platform in desired position
- Automatic and semiautomatic control mode

ELEVATION MECHANISM

- Two ball-bearing lead screws and self locking warm gearing transmission for positioning of launching platform in range from 0˚ to 60˚ with accuracy better than 1mil.
- Automatic and semiautomatic control mode

LAUNCHING PLATFORM

- Accept and carry two rocket pods in transport as well as firing condition.
- Equipped with container locking devices the function of which is to precisely position and firmly grip container in four points at the same time.

ROCKET PODS EQUILIBRATOR

- Moment equilibration on rocket pods by mechanical equilibrator enabling low power consumption of the servo systems

SUPPORT HAISTING JACK - LEGS

- 'Disconnects' inherent elastic system of the vehicle and puts launching system into necessary stability during firing.
- Automatic and semiautomatic control mode

LAUNCHER CONTROL SYSTEM CONSISTS OF:

- Launcher control computer (LCC)
- Microcontrollers to control drives, position limits, protected fields of operation and fire.
- Electromechanical drives – servo systems for- directional positioning of launching platform.
- elevation positioning of launching platform
- support legs deployment/retracting
- cover opening and closing
- meteo sensor opening and closing
- Vehicle level determination system
- Fire Control Unit
- Manual Control Unit

FIRE CONTROL SYSTEM (FCS):

Automatic vehicle positioning (navigation to desired point) with aid of INTEGRATED INS & GPS & VMS.

Firing elements calculation by FIRE CONTROL SOFTWARE taking into account data from METEOROLOGICAL SENSOR.

Fire control system consists of the following subsystems:

- Fire control software on System management computer
  Fully rugged computer
  Vehicle dock with port replicator
  Rubber backlit keyboard
  14.1" TFT sunlight readable, touch-screen display
  External interface for communications with subsystems
- Integrated INS-GPS-VMS
- Inertial measurement unit
- Global positionning system - GPS
- CDU
- Vehicle motion sensor - VMS
- Vehicle mounted meteorological sensor
- System management software - LCC functions

SP MLRS 107mm - ROCKET PODS – CONTAINERS:

- Two containers - pods with 24 packed rockets each serve for storing/transporting and aiming and firing rockets
- Possibility of single and multi rate usage.

YUGOIMPORT SDPR J.P.

Should you have any further enquires, please do not hesitate to contact us at **office@yugoimport.com**