

BLESK - MOBILE BRIGADE-TYPE HYDRO METEOROLOGICAL STATION

DESCRIPTION:

The mobile hydro meteorological station, stationed on two SCAM vehicles and two PM 35 trailers, is intended for securing of troops by military – hydro meteorological data for assessing the interest area. The task of this station is to gain, analyse and provide all available hydro meteorological data and information for given brigade tasks.



BASIC FUNCTIONS:

The BLESK station is able to measure, observe and interpret the following meteorological elements and phenomenon:

- air temperature and humidity in various altitudes;
- air pressure in various altitudes;
- wind direction and speed in various altitudes;
- clouds altitude and quantity;
- precipitation characteristics (intensity, amount, state);
- weather conditions;
- earthbound visibility;
- lighting detection (direction and distance).



THE BLESK STATION CONSISTS OF:

- SCAM SMT55.3,5 4x4 chassis with case superstructure – synoptic's vehicle;
- SCAM SMT55.3,5 4x4 chassis with case superstructure – aerolog's vehicle;
- PM 35 trailer with case superstructure – to the synoptic's vehicle;
- PM 35 trailer with case superstructure – to the aerolog's vehicle;
- basic technology;
- user's equipment.

The synoptic's and aerolog's vehicles are same concerning the production, they differ only in the equipment.



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SCAM VEHICLE TECHNICAL PARAMETERS:

Technical data	SCAM SMT55.3,5 MIL
Engine power, kW	92
Engine power, kW (MIL option)	122
Engine stroke volume, cm ³	2800
Fuel consumption, l/100 km - city	17,5
- off road	20,5
- motor way	13,3
- combination	17,1
Seating places	3
External dimensions, mm – length/wide/height	5560/1998/2420
Clear height, mm	300
Total weight/effective weight, kg	5500/2950
Maximal load of front/rear axle	2450/3700
Axle base, mm	3550
Wheel track front/rear, mm	1700/1700
Tires dimension (all-year design)	255/100 R 16

ONE-AXLE TRAILER TECHNICAL PARAMETERS:

Type marking		PM 35MiU SCII
Dimensions	length	4 870 mm
	wide	2 360 mm
	max. height	2 535 mm
Weights	service	3 000 kg
	curb	1 750 kg
	effective	1 250 kg