

MBT **DEGMAN**



an Open Architecture Fighting System

- low silhouette and small mass
- impressive fire power
- high mobility and manoeuvrability
- improved protection

ARMAMENT

Main gun	cal. 125 mm smooth bore tank gun with 3 types of two-part bullets (AP-FSDS, HEAT, HE)
Ammunition capacity	42 pcs (22 in automatic loader)
Firing speed	up to 8 pcs/min
Anti-aircraft MG	12.7 mm
Ammunition capacity	360 pcs
Coaxial MG	7.62 mm
Ammunition capacity	2000 pcs
Smoke pots launcher	12 pcs

DRIVE AND SUSPENSION

Engine	12-cylinder, 4 stroke, multi-fuel diesel engine, water cooled, with 2 turbo-chargers and intercooler
Power	735 kW (1000 HP)
Transmission	two gear-boxes with side transmission in gear-box axes, hydraulically steered
Gears (forward/reverse)	5 / 1
Suspension	independent, with torsion bars, 6 hydraulic dampers, 6 road wheels and 3 return rollers per side
Drive	idler wheels on front, sprocket at rear
Tracks	840l tracks with removable rubber pads
OPTIONS:	
Engine	1200 HP compact power pack
Transmission	hydro-kinetic planetary gear-box
Tracks	M-84 tracks with rubber pads

POWER SUPPLY

Voltage	27 +2 -5 V
Military batteries	
Model	MIL 190130
Start	12 V-190Ah-1300A
Quantity	4 pcs
Total capacity	380Ah
Starter generator	
Model	SG-10-1S
Starter mode	
Power	19.1 kW
Voltage	48 V
Generator mode	
Power	10 kW
Voltage	26.5 28.5 V

FIRE CONTROL SYSTEM & ACTUATORS

FCS	Model:	OMEGA-D
Stabilized gunner's laser sight with day and night channel		
Model:	SGS-D	
Day channel	magnification 10x image intensifier 2 nd generation	
Night channel		
Laser	Nd-Yag	
Range distance	200 to 10000 m	
Commander's sight		
Model:	COMTOS (with integrated DNKS-2)	
Fire control computer		
Min. azimuth firing gate	± 0.25 mils	
Min. elevation firing gate	± 0.2 mils	
Computing accuracy	0.1 mils	
Trunnion tilt	± 15°	
Crosswind	± 40 m/s	
Gun vertical stabilized speed		
Min.	0.8 mils/s	
Max.	> 70 mils/s	
Gun horizontal stabilized speed		
Min.	1.0 mils/s	
Max.	> 340 mils/s	
Hydraulic turret & gun drive system		
Model	2E28MM	
Main gun loading		
	automatic, electromechanical	
Model	AP-175	
OPTIONS:		
Stabilized gunner's laser sight with day and thermal channel		
Model:	TSGS-D	
Thermal channel with cooled detector:		
Spectral band	3 to 5 µm	
Noise equivalent temperature difference (NETD)	< 0.05 K	
Detection range	> 4000 m	
Recognition range	> 2000 m	
Electrical turret & gun drive system		

COMMUNICATION EQUIPMENT

Intercom	Model	BCC 600
VHF Transceiver		
Model	PR4G (2 pcs)	
Frequency range	30 to 88 MHz	
Hopping rate	300 hops/s	
RF output power	max. 50 W	
HF Transceiver		
Model	TRC 3600-3	
Frequency range	3 to 30 MHz	
RF output power	max. 400 W	
Operation mode		
	Telegraphy Data Voice communication Security voice Vocoded voice	
Number of prog. channels	100	

PROTECTION

Hull, turret	multi layer composite armour
Additional armour	type RRAK, (hull front, side skirts and turret)
Laser warning system	
Model	LIRD
Direct detection module	
Spectral range	0.4 to 1.6 µm
Field of view in azimuth	20x18° = 360°
Field of view in elevation	-20° to +60°
Indirect detection module	
Spectral range	1.0 to 1.6 µm
Field of view in azimuth	360°
Field of view in elevation	-7° to -13°
Indicator unit	
Angular resolution in azimuth	20x18°
Threat characterization	laser rangefinder laser designator indirect radiation AT laser-guided-missile
Smoke protection	
	engine operated smoke screen, six smoke launchers per side
Fire extinguishing	
	model SZ-2000 Digitalized system to protect crew and vehicle, powered by microcontroller, high interference immunity
NBC detection	
	model DRHT

DRIVER'S CONTROL PANEL

Model	RPV-2000
Digital driver's distribution panel is device dedicated for:	
<ul style="list-style-type: none"> power supply distribution to circuit inside the vehicle short circuit protection engine and gear protection incorporates supervising and measuring instruments with signalization; network connection with SZ-2000 	

OPTICS

Comb. D&N driver's periscope	
Model	CODRIS-E
Horizontal field of view	40° (night channel) 125° (day channel)
Vertical field of view	30° (night channel) 25° (day channel)
Image intensifier tube	II+ generation
Auxiliary periscope	
Model	TNPA-65
driver	2pcs
commander	2pcs
OPTION:	
Thermal driver's periscope	

