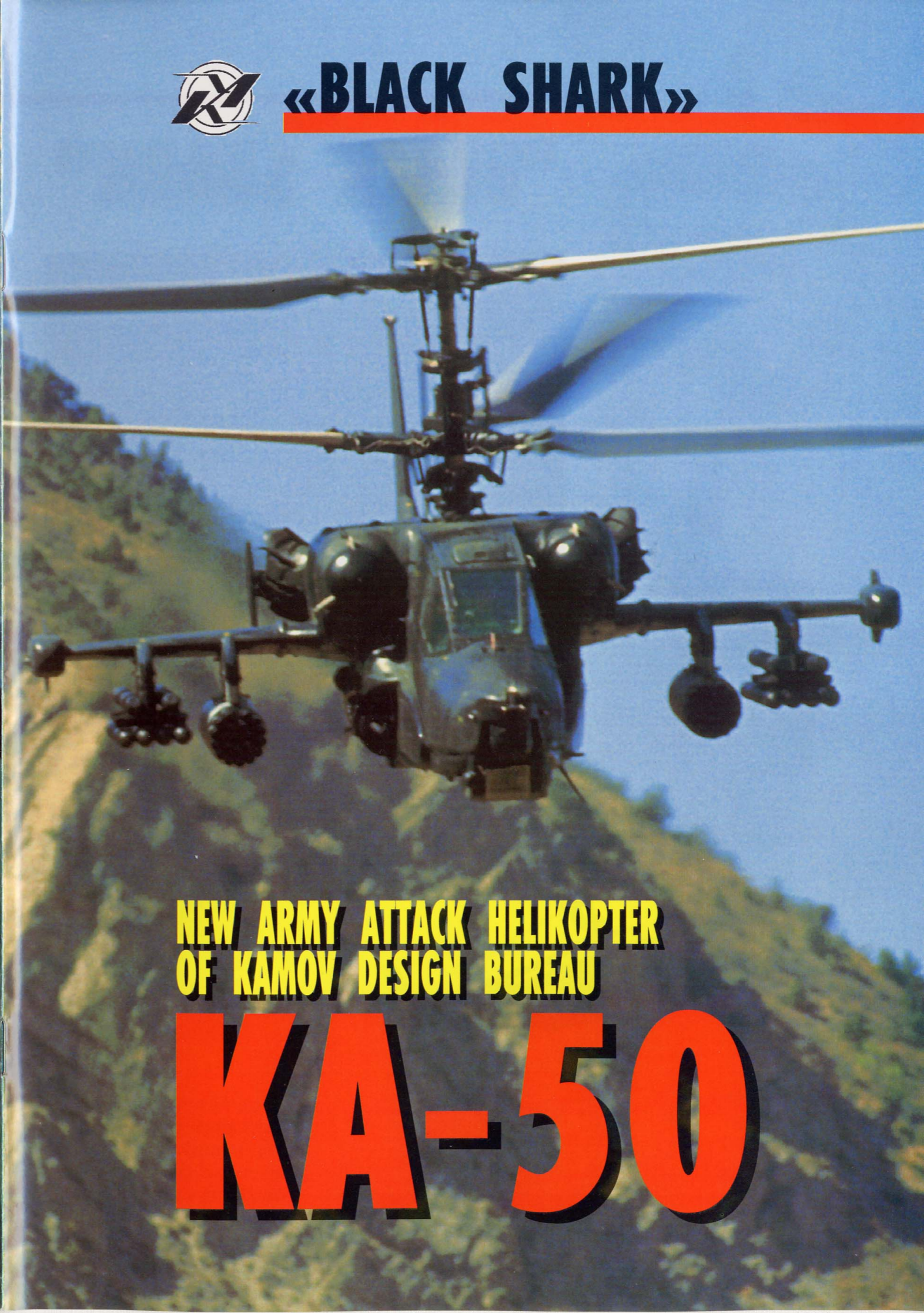




«BLACK SHARK»



NEW ARMY ATTACK HELIKOPTER
OF KAMOV DESIGN BUREAU

KA-50

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KA-50

"BLACK SHARK"



After wide range of operational tests the Ka-50 have entered the service with Russian Air Force. Ka-50 is very reliable attack helicopter with high safe life time. Perfection of its combat systems allows to consider Ka-50 to be one of the best helicopters worldwide.



Powerful weapons, excellent manoeuvrability, reliable armouring, unique ejection system - this is new Kamov combat helicopter.



WEAPONS

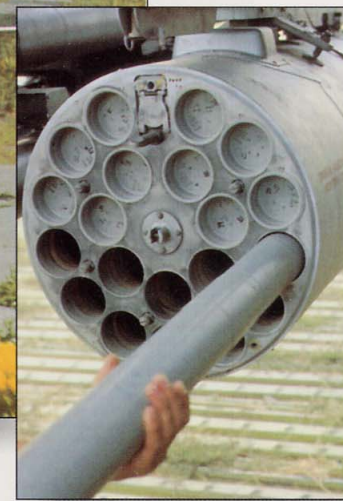
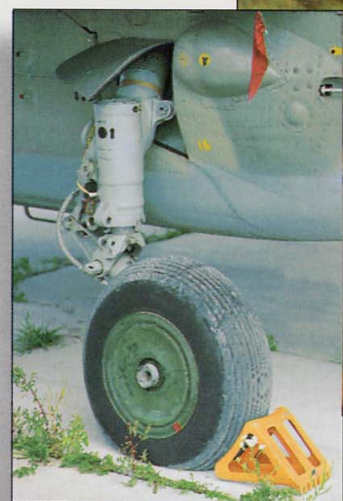
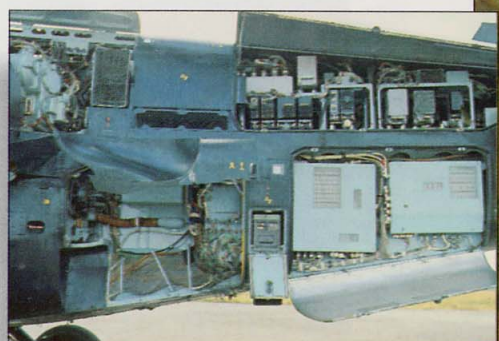
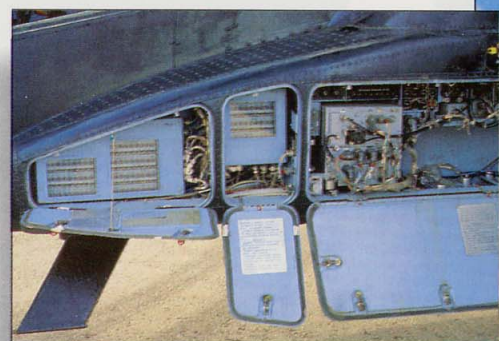
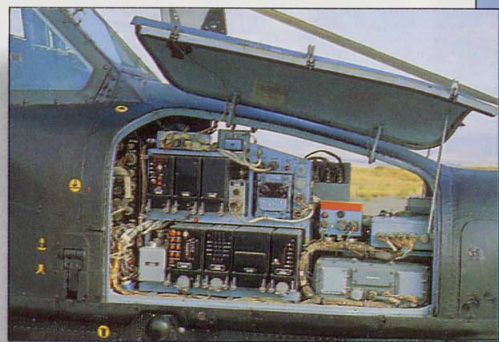
«VIKHR» laser beam-guided anti-tank missiles are capable of destroying of hostile armoured vehicles beyond the reach of hostile Air Defence Force. Besides shaped-charge, the missile has fragmentation warhead and proximity fuse for destruction of air targets according to the principle of «air-to-air» missiles. Being equipped with high precision 30mm turret gun and four external underwing stores in combination with other weapons systems, Kamov Ka-50 should be considered to be one of the best army attack helicopters of such a type all over the world.

EJECTION SYSTEM provides recovery for the pilot under all conditions one can imagine while in combat, it is capable of even «0-0» ejection.

ARMOURING & PROTECTION.

Ka-50 is considered to be one of the best helicopters in the world in terms of armouring of the cockpit (it is capable of withstanding 20mm projectile hit) and protection of its systems. Vitally important systems and units are reserved and protected meeting the most severe requirements.





EQUIPMENT

Ka-50 is the first single-seat attack helicopter featuring integrated radio-electronic equipment, designed on the basis of single-seat attack aircraft philosophy. Its set of avionics, weapons and engine control systems ensure high level of automation of flight, navigation and weapons control.

Kamov Ka-50 - is the first single-seat army attack helicopter fitted with integrated radio-electronic equipment complex. Kamov Ka-50 - features absolutely new technical solutions, which will belong to Kamov Design Bureau for a long time.

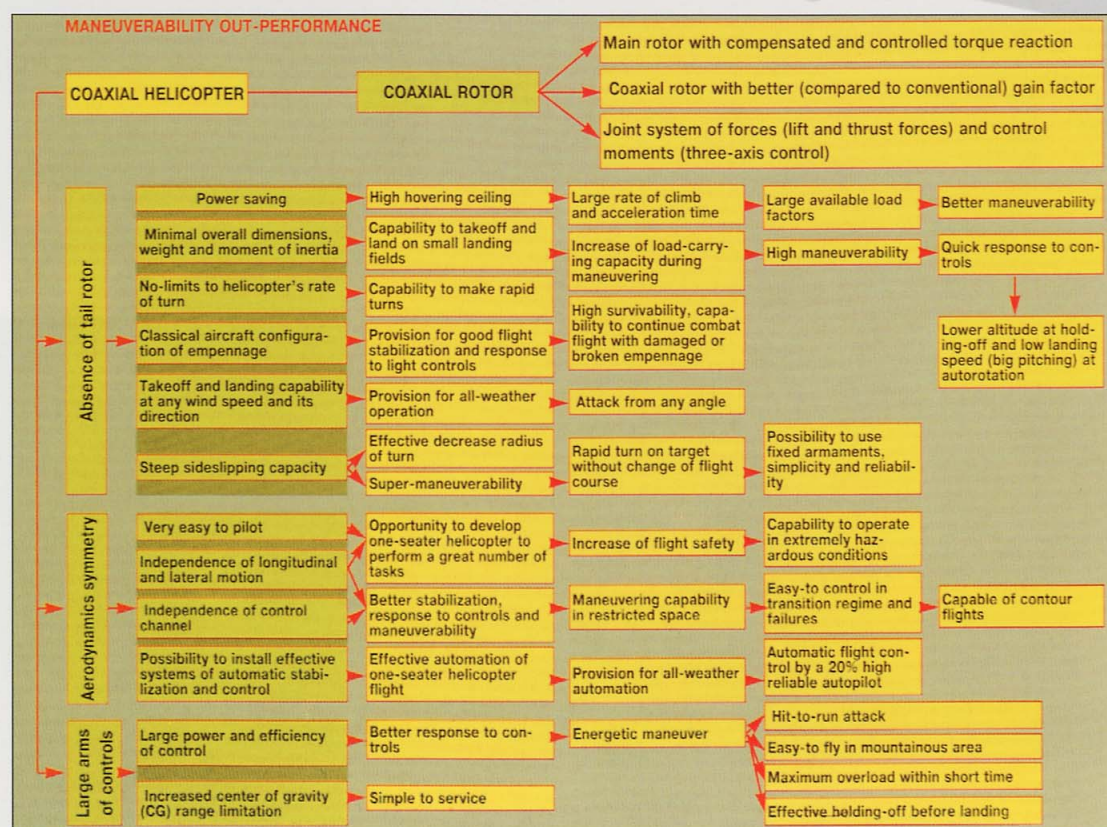


Kamov Ka-50 - is coaxial configuration enabling to perform unpredictable manoeuvres.



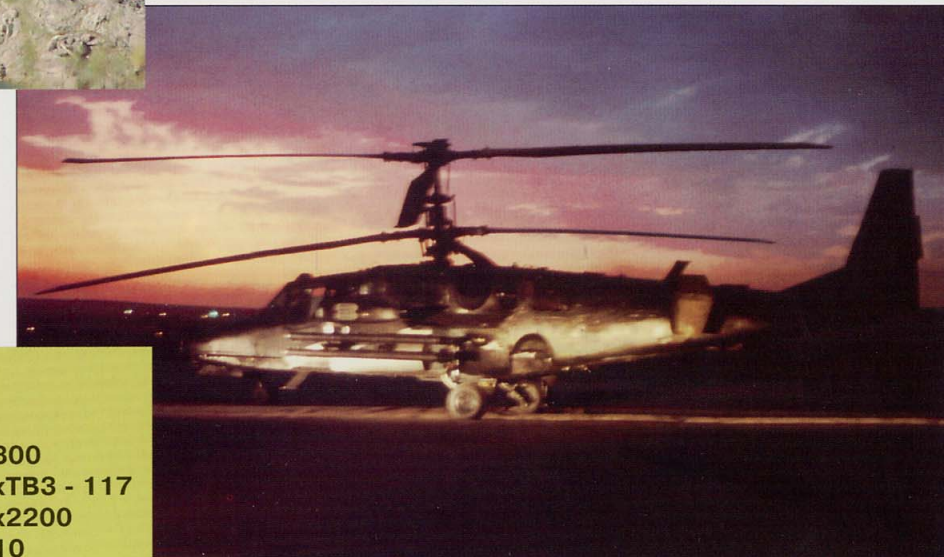
Kamov Ka-50 - is an optimum combination of flight performance due to coaxial configuration and weapons characteristics, allowing to reach maximum power and accuracy of shooting and missiles launching.

These and other features of new Kamov helicopter provide high efficiency and reliability of its combat operation.



MAINTENANCE

Ka-50 has integrated systems allowing to perform «on condition» maintenance. The procedures do not require any special tooling and GSE. The helicopter is equipped with the main rotor blades of improved reliability and invulnerability.



PERFORMANCE

Take-off weight, kg	9800
Engine type.....	2xTB3 - 117
Powerplant, h.p.	2x2200
Max speed, km/h	310
Max speed in flat dive, km/h	350
Hovering ceiling OGE, m	4000
Vertical climb rate at 2500 m altitude, m/s	10
Short-term overload, g	3
Sideward flight speed, km/h	70
Backward flight speed, km/h	90
Operational range, km	455

ARMAMENTS

2A41 GUN	
caliber.....	30 mm
feed type.....	selective
ammunition set.....	500 rounds
ANTITANK GUIDED MISSILES	
range.....	12 pc
speed.....	8... 10 km
warhead type.....	supersonic
penetrated armour.....	combined, intended against ground/air targets
ROCKETS	
caliber.....	900 mm
number in blocks.....	80 mm
	80 pc

installation of other types of armaments is possible without any further modification.



On the whole, taking into account flight performance and wide combat capabilities of new Kamov helicopter one can say that it represents absolutely new integrated combat helicopter complex, meeting the most up-to-day requirements.