



COBRA

4x4 TACTICAL WHEELED ARMoured VEHICLE

Otokar



Ready for the mission...

COBRA... Distinguished 4x4 Multipurpose Light Armoured Vehicle... Reliable Companion of the armed forces along with the worldwide logistics support...

The mission accomplishment according to most demanding military requirements and the crew protection are at the top priorities under the hardest circumstances and in the most demanding field conditions... Thanks to the remarkable ballistic protection, superior mobility as well as, the modular design adaptable to various missions, **COBRA is always ready for the mission.**



Mobility and survivability

COBRA offers a superior mobility and serves many different missions. The powerful turbo diesel V8 engine and high power to weight ratio give COBRA, power to navigate in the toughest terrain conditions.

The Independent Suspension, the Central Tyre Inflation Systems along with the permanent four-wheel drive, automatic transmission and front/rear 2 speed lockable transfer box ensure the highest level of mobility. The wide wheels help for a remarkable success on any field conditions.



The optimized body angles of the monocoque hull structure grants COBRA a reliable constitution for the superior protection resulting an excellent level of built in survivability.

Payload

Prioritizing the concepts of safety and comfort of the crew, COBRA transports up to 9 personnel from one mission to another.



Reliability

Having proven itself worldwide among various geographical regions and climates, COBRA consists of the most reliable and globally well-known mechanical components for the consistent service.



Superior crew protection

Thanks to the optimized angles of the armoured body in monocoque structure, COBRA differentiates itself with remarkable protection against explosives and mines.



Superior protection and terrain capability

Effective protection against mines

Mine protection was emphasized during the preliminary design phases of Cobra. COBRA is protected against A/P and A/T type mines. The seats, specially designed for absorbing the effect of mines, provide the life-safety of the crew. In addition to the steel armoured, a secondary composite floor material helps absorbing the blast effect of mines.



Weapon systems

Being ready to accomplish any type of mission, COBRA is an ideal platform for different weapon systems. Thanks to its modular structure and advanced engineering, various types of weapon stations and turrets with night vision periscopes, fire control systems with thermal capabilities, coupled with 7,62 or 12,7 mm machine guns, 40 mm automatic grenade launchers, 20 mm canon, anti-tank or anti-aircraft and missile launcher capabilities can be adapted to COBRA in accordance with the vehicle type and mission definition.





Ballistic protection

Keeping all the critical mechanical components within the armoured hull, COBRA is protected against armour piercing (A/P) bullets of infantry rifles. The monocoque type body structure and optimized sidewall angles are designed for increasing the ballistic protection of the vehicle.

Powerful engine

The turbo charged V8 type, 190 hp diesel engine of COBRA provides superior power for the vehicle. The engine power is affected from the altitude at minimum level. The engine is located within the armour hull and apart from its low fuel consumption; it can work with F-34 type fuel when necessary. Maintenance points are easily accessible through the wide opening front hood.



Central tyre inflation system

COBRA offers central tyre inflation system in order to provide a better traction as well as a smooth adaptation to various types of terrain. The driver can adjust the air pressure of the front and rear tyres while he is inside the vehicle. The tyres can be inflated in case of emergency and the tyre pressure can be controlled within the vehicle.

Thanks to the modular body structure, COBRA is a multi purpose platform, designed for various military missions like:.

- General Purpose
- Personnel Carrier
- Ambulance /Medical Evacuation
- Reconnaissance/Surveillance
- Command and Control
- Internal Security Vehicle
- Weapon Platform (12,7 mm, 40 mm AGL or ATGM's like TOW or MILAN or SAMS for anti-aircraft roles)
- NBC Reconnaissance

Versatility in design and adaptability to various missions are among the significant design assets of COBRA. Common platform concept also helps the training, maintenance, and the logistic support planning.



One platform for various missions



JAMMER VEHICLE



RECONNAISSANCE VEHICLE



40 mm AGL TURRETED PLATFORM



INTERNAL SECURITY VEHICLE



ANTITANK PLATFORM



COMMAND and CONTROL VEHICLE



20 mm CANNON PLATFORM



NBC RECONNAISSANCE VEHICLE



PERSONNEL CARRIER



2,7 mm OPEN TURRET
PERSONNEL CARRIER



12,7 mm CLOSED TURRET
PERSONNEL CARRIER



MEDICAL EVACUATION VEHICLE



For various missions, at all terrains

Logistic support

Life time logistic support through immediate, efficient and timely service even in the highest risk areas gives COBRA a certain privilege. COBRA is backed by Otokar's comprehensive worldwide Integrated Logistic Support (ILS) program providing long term efficient and economical operation.





Amphibious feature

Various types of COBRA can be designed with amphibious feature. Double hydraulic thrusters with joystick control allow the vehicle to navigate water obstacles with high level stability.

Easy and fast access on and off

The wide, full opening side and back doors and emergency roof hatches provide the fast access on and easy access off of the crew when necessary..





OTOKAR and COBRA

Transportability

Compactly designed COBRA is transportable by C-130 or bigger types of transport aircrafts, and by CH-47, CH-53, etc types of helicopters those have appropriate lifting capacity.

Thanks to compact design considering railway transportation restrictions, COBRA can be transported on wagon by using railway transportation and meets customers logistics requirements. COBRA can also be transported via using standard size containers so that customers take advantages of container transportation.





Up to 8 km/h	1000 mm	40%	60%	400 mm	800 mm	56°/57°
						
Swimming speed	Fording depth	Side slope	Gradeability	Verticle Obstacle	Trench crossing	Angle of Departure / Approach

TECHNICAL SPECIFICATIONS	COBRA
WEIGHT AND DIMENSIONS	
Gross Vehicle Weight	6700 kg
Maximum Crew Capacity	Up to 9, including driver and commander
Length	5480 mm (with winch and spare wheel)
Width	2240 mm
Height Over Hull	2100 mm
Ground Clearance	400 mm
ENGINE	Turbo Charged Diesel Engine 190 HP
TRANSMISSION	Automatic
TRANSFER CASE	Full time, 4 wheel drive with lock, 2-speed
AXLES	Independent double A-frame, with hypoid differentials
SUSPENSION	Helical coil suspension
BRAKES	Servo assisted hydraulic disc brakes
STEERING	Power assisted
TYRES	37x12,50 R 16,5 It with run-flat system
ELECTRICAL SYSTEM	24 V, 12 V, 120 Ah Maintenance-free Batteries, 28 V Alternator
PERFORMANCE DATA	
Maximum Speed	100 km/h
Swimming Speed (Amphibious version)	8 km/h
Fording Depth	1000 mm
Side Slope	40%
Gradeability	60%
Vertical Obstacle	400 mm
Trench Crossing	800 mm
Angle of Approach	56° (w/winch)
Angle of Departure	57°
Range	600 km

STANDARD FEATURES

Central Tyre Inflation System
Radial Tyres with Run Flat Inserts
Air Conditioning System / Heater
Roof Hatches
Gun Ports and Vision Blocks
Towing Eye
Blackout Lighting System, NATO Type Blackout System
Jump Start Socket
Radio Provisions
Safety Belts for Crew
Air Extraction Fan

OPTIONS

Amphibious Capability
Winterization Kit
360° Situational Awareness System
Electrical Self Recovery Winch (5,5 ton capacity)
CBRN Filtration System
Automatic Fire Extinguishing and Explosion Suppression System
Radio / Intercom System
Smoke Grenade Launchers
Driver's Vision Enhancement System
Night Vision Periscopes (For Driver and Commander)
Search Light
Navigational System (GPS/INS)
Barricade Remover
Fog Light

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