COBRA... Distinguished 4x4 Multipurpose Light Armored 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.
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.

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

Superior crew protection
Thanks to the optimized angles of the armored body in monocoque structure, COBRA differentiates itself with remarkable protection against explosives and mines.
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 armored, 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 cannon, 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 armored hull, COBRA is protected against armor 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 armor 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
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.
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.
<table>
<thead>
<tr>
<th>Swimming speed</th>
<th>Fording depth</th>
<th>Side slope</th>
<th>Gradeability</th>
<th>Vehicle Obstacle</th>
<th>Trench crossing</th>
<th>Angle of Departure / Approach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 8 km/h</td>
<td>1000 mm</td>
<td>40%</td>
<td>60%</td>
<td>400 mm</td>
<td>800 mm</td>
<td>56°/57°</td>
</tr>
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</table>
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)
- **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**

### STEERING
- **Power assisted**

### TYRES
- **37x12.5 R 16.5 lt 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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All text and illustrations shown in this brochure are not binding and are provided for guidance only. OTOKAR reserves the right to introduce modifications in line with technical progress and change the product specifications without any prior notice.

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