4x4 TACTICAL WHEELED ARMoured VEHICLE

**ENGINE**
- Type: Water cooled turbo charged 6.5 L, 190 HP

**GEARBOX**
- Type: 4 speed, automatic

**TRANSFER BOX**
- Type: Full time, 4 wheel drive with lock, 2-speed

**FRONT/REAR AXLES**
- Type: Independent double A-frame, with hypoid differentials

**SUSPENSION**
- Type: Helical coil suspension

**BRAKES**
- Type: Servo assisted hydraulic disc brakes

**STEERING**
- Type: Power Assisted

**FUEL TANK**
- Type: 150 lt

**TYRES**
- Type: 315/12.5 OR 16.5 LT size radial tyres with run flat device

**ELECTRICAL SYSTEM**
- 24 volts, fully suppressed. Alternator 200 A capacity:

<table>
<thead>
<tr>
<th>DIMENSIONS AND WEIGHTS</th>
<th>COBRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall length</td>
<td>5225 mm (w/o winch)</td>
</tr>
<tr>
<td>Overall length</td>
<td>5460 mm (w/ winch)</td>
</tr>
<tr>
<td>Overall width</td>
<td>2235 mm</td>
</tr>
<tr>
<td>Overall height</td>
<td>2100 mm (w/o weapon station)</td>
</tr>
<tr>
<td>Track</td>
<td>1820 mm</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>3300 mm</td>
</tr>
<tr>
<td>Combat weight</td>
<td>6300 kg</td>
</tr>
<tr>
<td>Gross weight</td>
<td>9500 kg (w/o weapon station)</td>
</tr>
</tbody>
</table>

**PERFORMANCE DATA**
- Power to weight ratio: 30 HP/ton
- Acceleration (0-60kph): 14.3 seconds
- Turning radius: 7.86 m
- Angle of approach: 57°
- Angle of departure: 56°
- Water speed (w/ amphibious kit): 4 km/h

**STANDARD EQUIPMENT**
- Blackout lights
- Intervehicle starter socket
- Mains switch
- Night vision
- Central Tyre Inflation System
- All round vision blocks
- Safety belts for crew
- Latching and tie-down provisions
- On-board tooling
- Thermal insulation kit
- Air intake fan
- NBC Protection kit
- Air Conditioning System
- All-rounds gun ports

**OPTIONAL EQUIPMENT**
- Electrical self recovery winch 5.5 t
- Amphibious kit
- NBC protection kit
- IR driving lamps
- Smoke grenade launchers
- NVG compatible glazing
- Fire suppression system
- Night vision periscopes (for driver and commander)
- Intercom system
- Pioneer kit
- Search light

Technical features contain nominal data. These technical specifications may vary according to the vehicle specification and equipment. Otokar reserves the right to modify the specifications and equipment of vehicles beforehand. The details of the specification and equipment may change according to the local needs and conditions.
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/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 optimised body angles of the monocoque hull structure grants COBRA a reliable constitution for the superior protection resulting an excellent level of built in survivability.

**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. With a few exception, all power train and suspension components of COBRA are selected from the developed ECV variant of the AM General’s HMMWV, which has proven itself in several geographical and terrain conditions thought the world in terms of mechanical durability.

**Payload**

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

Together with HMMWV’s proven reliability, COBRA offers commonality and interchangeability with the mechanical components of HMMWV. This feature eases the maintenance burden and maximizes the availability of the vehicle for armed forces who are already operating HMMWV's.
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.

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.

Ballistic protection

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

Effective protection against mines

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
- Liaison
- 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
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 allows 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. Doors are especially designed with three slide locking system.

Air-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.

For various missions, at all terrains
Thanks to the advanced technology and software used, prototype laboratories, unique road simulators and other test equipments, Otokar is one of the leading research and development centres of Turkey with the country’s most experienced design team.

**COBRA Tactical Specifications**

<table>
<thead>
<tr>
<th>Fording</th>
<th>Max. Speed</th>
<th>Ground Clearance</th>
<th>Side Slope</th>
<th>Gradient</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 mm or Amphibious (Optional)</td>
<td>110 km/h</td>
<td>400 mm</td>
<td>40 %</td>
<td>60 %</td>
<td>600 km</td>
</tr>
</tbody>
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