

# Kestrel

*WHEELED ARMoured AMPHIBIOUS PLATFORM*



*Jointly Designed and developed by Tata Motors Limited & VRDE/DRDO*



*Kestrel*...! TATA Motors Ltd's indigenously developed multi Wheeled Armoured Amphibious vehicle with state of Art Tactical & Technical features. It's a modular vehicle with interchangeable snap-in modules, leading to easy customization and self-reliance in achieving its roles. The major features of the vehicle include Optimized Survivability, all terrain performance and increased lethality.



### **Capacity**

*Kestrel* has a scalable 22.5 Ton to 26 Ton gross weight and a capacity of 10+2 Personnel. The front left Engine enables better ergonomics and optimum space utilization.

### **Mobility**

*Kestrel* 8x8 under chassis driveline with double wish bone type independent hydro pneumatic suspension provides all terrain mobility, ensuring comfort and safety for the crew. With both the front two axles steerable it gives an excellent Turning circle radius of 19 mtrs enabling better maneuverability. The tyres have run flat capability with CTIS as a standard feature.

## Survivability & Protection

Kestrel's ballistic protection is modular to take care of threat levels, ranging from Stanag level I to Stanag IV depending on the application. The Monocoque comprises of welded armour steel hull with applique and inner composite spall liner. The protection modules can be replaced in a short time frame to increase or decrease the protection level. The bottom of the hull is guarded by blast protection up to Stanag III Level. The energy attenuating seats for all occupants provides additional survivability.

A complete NBC protection system ensures safety of crew from any kind of NBC threats ensuring smooth and uninterrupted operation even in contaminated areas.

Ingress/Egress:- The Driver & Commander have their own roof hatches. Rear Personnel compartment is accessible through rear door and roof hatches.

## Amphibious Capabilities

Unlike many wheeled combat vehicles the Kestrel is fully amphibious and is propelled by a rear mounted water jet. Vehicle does not require any preparation before entering into water.



## Power

Kestrel is capable of achieving a speed of 100kmph on land and 10 kmph in amphibious role and has been configured with a powerful indigenous 600 HP engine and under chassis driveline. The engine ensure high torque capacity allowing the vehicle to give rapid reaction especially in different terrain conditions. Being an indigenous engine it exceedingly satisfies the reliability and maintainability expectations with its low operational cost and easily available service.



## Armament

Despite being well protected, the Kestrel is capable of carrying a 30mm RWS with 2 x fire and forget missiles or with the turret-mounted cannon and missiles. In addition, the Kestrel will house one 7.62 mm co-axial MMG and an Automatic Grenade Launcher.

## Logistic Support

Kestrel's low life cycle cost mainly is due to its high indigenization content. All the main subsystems share commonality with in service Tata standard vehicular aggregates. Kestrel is backed by TATA Motors Ltd wide network of Global Customer support programme providing low cost easily available basic spares.

SPECIFICATIONS	
Crew	10 + 2
Weight (T)	22.5 to 26
Length (m)	7.8
Width (m)	2.95
Height (m)	2.28
Ground Clearance (m)	0.45
Engine (hp)	600
Power/Wt. ratio	26.6 to 23
Trench cross (m)	2
Step climb (m)	0.7
Max Speed (kmph)	100
Amphibious Capability	10 (kmph)
Protection	Modular ( from NIJ 2 onward)
Firepower	Modular (RCWS, One Man or Two Men turret for all calibres
Variant	Modular (12 different variants like Ambulance, NBC recce, Command post, Engineers support etc.)
Navigation	INS with GPS
Communication	Modular (UHF, VHF, HF)



**In case of any support requirement for vehicle attention, please specify the vehicle model, chassis no. , Location of vehicle, Contact person name and mobile number for quick response.**

Tata Motors Limited,  
 Geetanil, 6th Floor, 13-19 Nagindas Master Road, Hutatma Chowk, Mumbai 400 001.  
 For further information, call +91-22 6656 1600, Fax: +91-22 6656 1715;  
 E-mail: defencesolutions@tatomotors.com or visit [www.defencesolutions-tatomotors.com](http://www.defencesolutions-tatomotors.com)

**TOLL FREE No.  
 (24 Hrs x 365 Days)  
 18002097979**

**Logistics • Tactical • Armoured • Combat • Buses**

**The complete range for any mission**