

AERO 2 - High Mobility Vehicles for Airdrop

AERO 2 vehicle is the 4 wheel drive high mobility vehicle **manufactured** by Auto Podlasie and **design** by AP Solutions. This is new version of AERO vehicle, which is in duty with success in the Polish Armed Forces and has proved your reliability, airdrop capabilities, taking actions in many international military exercises and military action.

Description

The vehicle is adapted to transport cargo in various climate and terrain conditions. In particular, its design is to be airdropped from the military planes, transport by sea, rail and air on board C-130 Hercules, C295M CASA aircraft, on helicopters decks or attached under helicopters.

Low weight, small size, frame construction, proven drive system combined with a dynamic engine and 4WD make the vehicle with **high off-road capability**.

High quality materials and experience guarantee **long-term trouble-free** operation in the armed forces.

At the special request of the End User, various specialized versions of the vehicle's equipment and purpose are available, such as: soft roof or hardtop, cargo or special platform, 360 degree turret and gun mounts, 2, 4 or more crew members, armoured versions **and many more...**

AERO vehicles family



AERO (One)



AERO 2



AERO 2 Long

The AERO 2 and AERO 2 Long is intended for:

- ▶ Airdrop on the platform type PDS V 108" 16 ft. with two parachute type G-11 and extraction parachute;
- ▶ Transport on board aircrafts: C-130 HERCULES, C-295 CASA (after folding cage), C-17 Globemaster;
- ▶ Transport under a helicopter on a rope;
- ▶ Self-loading, transportation of equipment and supplies at the landing field,
- ▶ including Container Delivery System CDS A-22;
- ▶ Transport equipment and supplies in the squad patrol as a "mule on wheels";
- ▶ Evacuation sick or injured as a CASEVAC with NATO standard Talon II stretchers on cargo platform;
- ▶ Towing a one or set of two special trailers using NATO standard coupler and sockets;
- ▶ Towing artillery weapon systems;
- ▶ Acting as a logistics vehicle with cargo platform up to 1,2 ton load;
- ▶ Acting as a light combat vehicle for special forces or reconnaissance;
- ▶ Acting as a personnel carrier with converted special seats set on cargo platform for 6 soldiers with equipment and weapons;
- ▶ Acting as a carrier of weapon systems equipped with turret (machine guns, grenade launchers);
- ▶ Acting as a universal, modular carrier for different modern weapon systems: f.g. MANPADS system, MORTAR system;
- ▶ Acting as an armored vehicle after mounting armor kits.



AERO 2 Crossbow with the Mobile Missile System (MMS), a very short-range anti-aircraft system.

Contact details:

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One vehicle – many possibilities!



AERO 2 presented in cargo version
Soft foldable roof (on top)
Hardtop (on bottom)



AERO 2 LONG presented in combat version

TECHNICAL DATA AERO 2

Dimensions and weight

| | |
|--------------------------|----------------------------|
| Length: | 4450 mm |
| Width: | 2140 mm (w/o mirrors) |
| Height: | 2300 mm (with spare wheel) |
| Height with folded cage: | 1500 mm |
| Wheelbase: | 2890 mm |
| Tread: | 1575 mm |
| Curb weight: | 2340 kg |
| GVM: | 3500 kg |
| Load capacity: | 1200 kg |
| Crew: | 2 persons |

Engine and driveline

| | |
|------------------|---------------------------------|
| Type: | R6 in-line 1HZ Toyota |
| Engine capacity: | 4,2 liter optional turbocharged |
| Max. power: | 130 HP / 3800 rpm (170 HP) |
| Max. torque: | 290 Nm / 2000 rpm |
| Fuel tank: | 80L + 10L |
| Fuel: | diesel or F-34 |
| Gearbox: | Manual 5+R optional automatic |
| Drive: | 4WD part time |
| Transfer case: | H2/H4/N/L4 |
| Main gear ratio: | 4,3 |
| Differential: | Front and rear with air lockers |

Suspension, brakes and wheels

| | |
|-------------------|---|
| Front: | axels, coil springs and hydraulic shock absorbers, stabilizer |
| Rear: | axels, leaf springs and hydraulic shock absorbers, stabilizer |
| Tires: | Tubeless AT 255/85/R16 runflat (with beadlock opt.) |
| Inflation system: | Passive optional active |
| Brakes: | Hydraulic with ABS system |
| Front: | Disc ventilated |
| Rear: | Disc or drum |

Electric

| | |
|-----------------|----------------------|
| Winch: | Electric 3T front |
| Lighting: | Front LED, Black out |
| Battery: | 12V 65 Ah AGM |
| Trailer socket: | 12 pin NATO |

TECHNICAL DATA AERO 2 Long

Dimensions and weight

| | |
|--------------------------|----------------------------|
| Length: | 4780 mm |
| Width: | 2140 mm (w/o mirrors) |
| Height: | 2340 mm (with spare wheel) |
| Height with folded cage: | 1580 mm |
| Wheelbase: | 3180 mm |
| Tread: | 1575 mm |
| Curb weight: | 2340 kg |
| GVM: | 3500 kg |
| Load capacity: | 1100 kg |
| Crew: | 4 persons |

Engine and driveline

| | |
|------------------|---------------------------------|
| Type: | R6 in-line 1HZ Toyota |
| Engine capacity: | 4,2 liter optional turbocharged |
| Max. power: | 130 HP / 3800 rpm (170 HP) |
| Max. torque: | 290 Nm / 2000 rpm |
| Fuel tank: | 80L + 10L |
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