INKAS®
AEROSPACE & DEFENSE










# INKAS® M1 MRAP

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M1





## Weight & Dimensions

- Length: 5,987 mm
- Width: 2,528 mm
- Height: 2,834 mm
- Wheelbase: 3,729 mm
- Weight: 13,500 kg

## Performance

- Approach Angle (min.): 47°
- Departure Angle (min.): 46°
- Vertical Obstacle (min.): 500 mm
- Ground Clearance (center of the vehicle (min.)): 457 mm
- Fording (min.): 1.2 m
- Gradient (min.): 60%
- Side Slope (min.): 30%
- Turning Radius (max.): 13.1 m
- Max Speed: 110 km/h
- Range (min.): 600 km

## Strategic Transport

By Air:

- C130 (1 Lightweight INKAS® M1 in air-transport configuration)
- A400M (2 Lightweight INKAS® M1 in combat configuration)

By Sea

By Rail

## Protection

- Protection against ballistic, mine and IED threats
- Ballistic/Blast Level: STANAG 4 / 4a, 4b

## Ergonomics & Human Factors

- Air conditioning/heating system
- Air renewal system
- Crew: up to 8 fully equipped dismounted personnel + 2 (driver, onboard weapon operator)

## Engine

- Cummins ISL8.9 ISLE375
- Horsepower: 375 Hp*
- Torque: Torque 1,143lb-ft
- Emission: Euro 3
- Displacement: 8.9L
- * more HP possible on request

## Alternator

- Output Power: 28V 600 Amp

## Transmission

- Allison 3200SP
- Gears: 6+1

## Brakes

| Front Brakes | Rear Brakes |
|---|---|
| Air, Disk<br>432 mm Dia, 45 mm Thick | Air, Disk<br>432 mm Dia, 45 mm Thick |

## Wheels

- Rims: 20 x 10
- Runflat system: Exceeds FINABEL
- Tire Size: 14.00R20

## Axles

- Independent military grade suspension, front and rear axles with hydro-shocks

## Energy

- Full autonomy of all the electronic equipment/ air-conditioning with turned-off engine:
  6/8 12V – 120 A.H batteries (min. 4, up to 8)
- Soundproof APU

* Vehicle specifications and images are subject to change without any prior notice. Images used in this document are for illustration purposes only.