

➤ Thales Bushmaster is a highly mobile, ballistic, mine and Improvised Explosive Device (IED) resistant Protected Mobility Vehicle (PMV). Bushmaster has an established family of modular armoured vehicles offering high levels of protected mobility for combat, combat support and combat service support of troops across a diverse range of mission profiles including troop movement, command and control, electronic warfare, air defence, assault pioneer, direct fire support, route clearance and ambulance activities.

➤ The latest additions to the Bushmaster family are Bushmaster Single Cab Utility and the Bushmaster Dual Cab Utility while offering commonality also provide further payload flexibility and outstanding towing capability.



THALES AUSTRALIA

## BUSHMASTER TROOP CARRIER

Outstanding crew protection and mobility





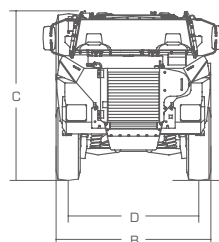
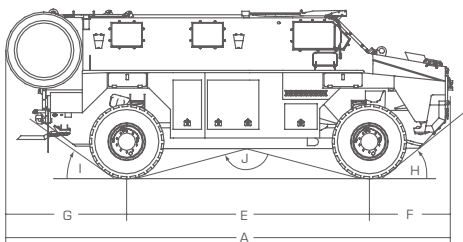
THALES AUSTRALIA

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## VEHICLE SPECIFICATIONS

### BUSHMASTER TROOP CARRIER



- A - Overall length:** 7,180 mm
- B - Width:** 2,480 mm
- C - Overall height:** 2,650 mm
- D - Track:** 2,100 mm
- E - Wheelbase:** 3,900 mm
- F - Front overhang:** 1,340 mm
- G - Rear overhang:** 1,950 mm
- H - Approach angle:** 40°
- I - Departure angle:** 38°
- J - Ramp over angle:** 108°

**Configuration:** 4x4

**Crew:** 1 + 9

**Side Slope:** 36° static

**Gradient:** up to 60 %

**Vertical obstacle:** 460 mm

**Weight (GVM):** 15,400 kg

**Kerb mass:** 11,400 kg

#### Engine:

Caterpillar 3126E 7.2 l six cylinder turbocharged diesel. 224 kW / 300 hp @ 2,200 rpm and torque of 1,166 Nm/860 ft·lb @ 1,440 rpm, with self diagnosis capability

#### Transmission:

ZF 6HP502 ECOMAT G2 with 6 forward speeds, 1 reverse and convertor lock up, in all six gears. 300 kW front end input retarder and flat tow capability

#### Transfer case:

Fabco TC170 single speed 50/50 transfer case. Reduction ratio 1.11:1

#### Suspension and axles:

AxleTech 4000 series fully independent progressive

coil spring with upper control arm and lower wishbone. Reduction ratio 5.186:1

**Diff locks:** Air operated - front, centre and rear

**Brakes:** Dual circuit air operated, outboard disc on all four wheels with combat brake system

**Steering:** Shepard power assisted

#### Tyres:

Michelin 395/85 R20 low MMP with bead locks

#### Central Tyre Inflation System (CTIS):

CM Automotive dual channel with four settings

**Fuel capacity:** 300 l + 19 l (internally protected)

**Maximum road range:** 800 km

**Speed:** Maximum (governed) 100 km/h

**Electrical system:** 24 V DC, 140 Amp alternator (fully redundant) battery, two dual bank configuration (4 x 12 V) CCA 600 Amps

**Environmental:** 14 kW cooling: split front and rear systems, 6 kW heating

**Total internal protected volume:** 11.2 m<sup>3</sup>

**Total external storage volume:** 2.5 m<sup>3</sup>

**Ground Clearance:** Under hull 430 mm

**Turning circle (kerb to kerb):** 17.7 m

**Fording:** 1,200 mm No preparation

**Air transportable:** C-130

**Protection:** Bushmaster has a unique level of protection and survivability through its mobility and monocoque vee-shaped armoured hull. Ballistic and mine blast protection levels and options are available upon request

**Weapon mounts:** Capable of fitting up to 3 weapon systems - 1x front, 2x rear

- Remote weapon station up to 12.7 mm HMG or 40 mm Auto grenade launcher (front x 1), or
- Manned open turret up to 12.7 mm HMG or 40 mm AGL (front x 1), and
- Manned MG swing mounts for 5.56mm & 7.62 mm MG (front x 1 & rear x 2)
- with internal storage qualified for a range of anti-armour weapons (84 mm & Javelin) and mortar systems (81 mm).

#### Options:

250 l water tank, Alternator options (200, 280 and 400 Amp), Hydraulic winch, Remote weapon station, Run flat inserts, Spare wheel, Swing mounts, Generic vehicle architecture.