

Type: Vehicle, Fire Support, 6x6 Nomenclature: **Cougar WFSV**

Country: Canada Date of Introduction: 1978

**Physical Data:**

**Weight empty** 17637 lb (8000 kg)  
**Weight loaded** 23148 lb (10500 kg)  
**Length (OA)** 235 in (5970mm)  
**Width (OA)** 98 in (2500mm)  
**Height (OA)** 73 in (1850mm)  
**Ground clr** 19.5 in (500mm)  
**Wheel base** 80 in 2040mm (front)  
+ 41 in 1040mm (rear)  
**Wheel tread** 87 in (2205mm)  
**Drive** 6x6  
**Armor** Welded steel  
**NBC protection** Central

**Armament:**

**Main – Cal** (1) 76mm Cannon  
L23A1 and (1) 7.62mm  
LMG M1919A4 coax  
**Elev & traverse** Power (-10 to +34 de  
gree, full 360 traverse)  
**Fire control** AN-GVS-5 laser  
**Aux wpns** Crew side arms

**Capacity:**

**Fuel (est)** 53 gal (200 liters)  
**Ammo/Qty** 76mm 40 rds, 7.62mm  
1700 rds.  
**Crew/Pass** 3-5  
**Cargo Vol/Wgt** n/a

**Engine:**

**Type** Diesel  
**HP at Rev/Min** 275 hp (205 kW)  
@ 2800 rpm  
**Model** 6V53T Turbo-Charge  
**Mfr** GM of Canada  
**No. of Cyls** V-6  
**Location** Front  
**Cooling** Liquid

**Transmission:**

**Type** Automatic  
**Gear Fwd/Rev** 5/1  
**Model** MT-650  
**Mfr** Allison

**Suspension System:**

**Type** Coil spring Front,  
Torsion bar, Rear  
**Steering** Front axle  
**Turning radius** unk  
**No/wheels** 6  
**Tire Size** 11.00 x 16

**General Data:**

**Elec voltage** 24V  
**Radio** As fitted by user  
**Night Vision:** Driver: AN/VVS-501  
Passive Night Vision

**Performance:**

**Speed/Land** 62 mph (100 km/h)  
**Speed/Water** 6.5 mph (10.5 km/h)  
**Range** 373 mi (600 km)  
**Fording depth** Amphibious  
**Max grade** 70%  
**Trench** unk  
**Step** 19.5 in (500 mm)



Top: Pre-production MOWAG Cougar as built for the Canadian Army. (Photo: MOWAG Motorwagenfabrik). Above: Canadian Defence Force Cougar on loan to the US Marine Corps for testing, circa 1981. (Photo: US Navy)

**Remarks:** An initial order for the Canadian Army was placed in January of 1977 for 152 vehicles. The Cougar had a service life of well over 20 years and in photos will appear with the unprotected rear propulsion propellers swiveled in an upright position against the rear hull. This was later modified with the addition of a protective shroud over the unit; and finally near the end of its' service life, no water propulsion unit at all.

**Usage:** The Cougar was only in service with the Canadian Army. Six vehicles (a combination of Cougars, Grizzly (APCs) and Husky (ARVs) were loaned to the USMC in the early 1980s for testing. Circa 2010 another set of vehicles was loaned to the UN for operations in East Africa

**Manufacturer:** GM of Canada Diesel Division, London, Ontario, Canada (licensed from MOWAG of Switzerland)