



SPECIFICATIONS (M113A2)

Cost	\$1.5M
Armament	1 x 7.62mm MG
Armour	1,000 kg (3,300 lb)
Length	9.07m (30 ft)
Width	2.60m (8 ft 6 in)
Height (urret up)	1.80m (5 ft 11 in)
Ground clearance	0.30m (1 ft)
Weight, combat	10.75t (23,700 lb)
Weight, empty	9.00t (19,800 lb)
Power-to-weight ratio	11.7kW/t (15.6hp/t)
Ground pressure	0.50kg/cm ²
Engines	Daimler-Benz Model 5.9-5.5, four-blade water-cooled diesel developing 213kW at 2,000rpm
Maximum road speed	40 km/h
Maximum water speed	1.0km/h
Maximum crossing range	450m
Fuel capacity	300 ltr
Load	Paratroopers
Width of obstacle	0.60m
Forwards	1.00m
Backwards	0.90m
Side slope	0.70m
Armour	10mm (front)
Armour side	7mm
Armour top	5mm
Right wheel equipment	No tracks or rollers and no idlers

Above: M113A2 command post
(Richard Stuckey)

DEVELOPMENT

M113 series full-tracked APC was developed in late 1940s and first vehicles completed in 1950s, powered by petrol engine. M113 was replaced in production by diesel-powered M113A1 in 1960s, which in turn was replaced by M113A2 with a number of automotive improvements. Latest model is M113A3 which entered service in 1980 and has more improvements, including more powerful engine, self-liners and optional applique armour. Over 20,000 M113s and its variants were built, including about 4,000 built in Italy by Oto Melara. Basic vehicle is fully amphibious, propelled in the water by its tracks. Before entering the water a fine wire is strung at front of hull and helps prevent infiltration.

VARIANTS

There are countless local modifications of M113, for example former vehicles from additional armour protection and German vehicles have wider grenade dischargers on hull front and 7.62mm MG in place of standard 12.7mm MG (M6). The following list is by no means exhaustive but separate entries in this section for United Defense Armored Infantry Fighting Vehicle (USA) and Italian Infantry Fighting Vehicle (M113) with their tracks, Italian nuclear reactor carrier, M113 (Mine-clearing carrier, M113 A3) and

Project 7 (Czech), M113 Mine-Valve or Defence system, M113 armoured corps carrier, M113A1 converted post vehicle with larger hull, M113 series recovery vehicle, M113 Improved EW Vehicle, M113 fire Support Team Vehicle, M113 with Green Archer mine (Germany).

The Norwegian Army has a number of specialised versions of the M113 series including the NM113, which has a rearward-firing mount with a 20mm cannon and a 7.62mm MG and the NM113A which has a rearward-firing launching mount with two EPP (ATGM) in the ready to launch position. Italy has the M113A4 a Mine (M113) or M113 series chassis.

Church is the last in front the ADP (air defence system).

M113 used for many specialised vehicles including Chopper air defence supply system, armoured (Germany) and electronic warfare carrier. A number of countries have fitted applique armour to hull front, sides and rear.

OPERATORS

In production, in service with Argentina, Australia, Belarus, Bulgaria, Bolivia, Brazil, Saudi, Cambodia, Canada, Chile, Colombia, Congo, Denmark, Ecuador, Egypt, Ethiopia, Germany, Greece, Guatemala, Iran, Iraq, Israel, Italy, Jordan, South Korea, Kuwait, Lebanon, Libya, Morocco, Macedonia, Mexico, New Zealand, Norway, Pakistan, Peru, Philippines, Portugal, Saudi Arabia, Singapore, Somalia, Spain, Sudan, Switzerland.

KEY RECOGNITION FEATURES

- Box-shaped hull with front sloping at 60° to rear, horizontal rear, vertical hull rear wall, large power-operated hatch, ports of hull sides with no lifting points or vision blocks
- Driver's circular hatch front left with no hatches to right, commander's hatch with externally mounted 12.7mm MG (M6) in centre of wall with rectangular hatch to rear. Universal hatches front back each side of ramp on hull rear
- Suspension each side has four road wheels, drive sprocket front, idler rear, no track return rollers, upper part of track normally covered by rubber skirt

Bahrain, Belarus, Bulgaria, Turkey, USA, Uruguay, Vietnam and Yemen.

MANUFACTURERS

United Defense (General Dynamics Division, San Jose, California, USA), also built by Oto Melara in Italy, Spain, Italy and by SEM in Belgium for Belgian Army.

Below: Belgian M113 with extra armour



Military Tanks Recognition Guide

David Porter

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Jane's Tanks and Combat Vehicles Recognition Guide, 2e Christopher F. Foss, 2000-05-16 All The World's Tanks And Combat Vehicles A fully illustrated encyclopedia of all modern military vehicles in service today Includes tanks personnel carriers reconnaissance vehicles self propelled guns and self propelled anti aircraft systems Technical data for over 200 vehicles Recognition features Line drawings Over 1000 photographs [Jane's Tanks and Combat Vehicles Recognition Guide, 3e](#) Christopher F. Foss, 2003-09-01 **Jane's Tank Recognition Guide** Christopher F. Foss, 2006 The aim of this book is twofold firstly to act as a convenient handbook for the reader to identify quickly and accurately almost any modern armoured fighting vehicle AFV in service today secondly to provide key information on the vehicle Includes light tanks and main battle tanks tracked APCs weapons carriers 4 x 4 vehicles 6 x 6 vehicles 8 x 8 vehicles self propelled guns [Jane's Tank & Combat Vehicle Recognition Guide](#) Christopher F. Foss, 1996 **Military Review**, 2018 [Jane's Tank Recognition Guide 5e](#) Christopher F. Foss, 2010-12-01 **A Guide to Military History on the Internet** Simon Fowler, 2007 There are thousands of websites devoted to all aspects of military history from ancient Greece to the modern Gulf This unique book helps you find the ones that will help with your research whether you are checking out a soldier ancestor or an airman or researching a naval campaign It also features sites that are entertaining or controversial Sections cover the British armed services and their long military history but the author also describes in detail websites that focus on American and Canadian forces A Guide to Military History on the Internet is a companion volume to Pen and Sword's best selling Tracing Your Army Ancestors by the same author **Western Allied Tanks 1939-45** David Porter, 2009-04-01 The Essential Vehicle Identification Guide Western Allied Tanks 1939-45 offers an highly illustrated guide to the main armored fighting vehicles used by the Western Allies during World War II This compact volume includes sample unit structures and orders of battle from company up to corps level providing an organizational context for key campaigns throughout the war Organized chronologically the book offers a comprehensive survey of Western Allied armored fighting vehicles by campaign including the fall of Poland the defense of the Low Countries and France desert warfare in North Africa the push through Italy the Normandy landings the Battle of the Bulge and the final defeat of Germany [Light Tanks and Heavily Armed Combat Vehicles](#) Youri Obraztsov, 2014-01-19 Light tanks and heavily armed combat vehicles are part of the Armored Fighting Vehicle family These armored vehicles widespread throughout the world can accomplish a number of different missions They are simple in their utilization and are extremely polyvalent This book regroups for the first time all light tanks and heavy weapons vehicles with chains or wheels from the world over and their many modernizations and modifications along with the technical characteristics of each and every model Enriched with more than 350 photos clear and methodic it reveals the history of each vehicle along with precise dates and a time table showing when they were put into service Dimensions are indicated in a practical and visual manner This handbook allows the precise identification of a light tank and a heavily armed

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