



## SPECIFICATIONS (M113A2)

Crew	2 + 9
Armament	1 x 7.62mm MG
Armour	1,000 x 12.7mm
Length	4.95m
Width	2.60m
Height overall	2.75m
Height to hull top	1.05m
Ground clearance	0.43m
Weight, combat	9.25 Mg
Weight, empty	8.05 Mg
Crew to weight ratio	16.5 kg/person
Ground pressure	0.05 kg/cm²
Engine	Detroit Diesel Model 6V-53, 6-cylinder water-cooled diesel developing 2770hp at 1,000rpm
Maximum road speed	60 km/hr
Maximum water speed	1.0 km/hr
Maximum crossing range	3.0 km
Fuel capacity	350 ltr
Fording	Amphibious
Vertical obstacle	0.85m
Trench	1.00m
Climb	60%
Side slope	60%
Approach	4.0m (maximum)
Approach type	Horizontal
NBC system	Optional
Night vision equipment	No (optional, or infrared for driver)

Above: M113A1 command post (Richard Stoddard)

## DEVELOPMENT

M113 series full tracked APC was developed in late 1940s and first vehicles completed in 1950, powered by petrol engine. M113 was replaced in production by diesel-powered M113A1 in 1964 which in turn was replaced by M113A2 with a number of automotive improvements. Latest model is M113A3 which entered service in 1982 and has many improvements including more powerful engine, fuel filter and optional applique armour (over 26,000 M113s and its variants were built, including about 4,500 built in Italy by Oto Melara. Basic vehicle is fully amphibious, grounded in the water by its tracks. Before entering the water a trim vane is lowered at front of hull and helo pump switched on.

## VARIANTS

There are countless field modifications of M113, for example Israeli vehicles have additional armour protection and German vehicles have smoke grenade dischargers on hull front and 7.62mm MG in place of standard 12.7mm MG. The following list is by no means exhaustive but separate entries in this section for United Defense Armored Infantry Fighting Vehicle (AIFV) and Italian Infantry Fighting Vehicle (M113) with Super Blade, M113M Infantry mortar carrier, M113M Infantry mortar carrier, M113 AIFV

Figure 2 x (David, M113) (New Vulcan air defense system, M113 command cargo carrier, M113 M113A1 command post vehicle with higher roof, M113 crew recovery vehicle, M113 improved TOW vehicle, M113 fire support team vehicle, M113 with Green Archer mine (Germany)

The Norwegian Army has a number of specialized versions of the M113 series including the M113T which has a command turret armed with a 20mm cannon and a 7.62mm MG and the M113T which has a command forward launching turret with two FGM A100 in the ready to launch position. Italy has the M113M 4 x 7.62mm (M113M) as M113 series, which.

Qatar is also used as basis for ADF's air defense system.

M113 used for more specialized vehicles including Chopped air defense vehicle system, anti-air (Germany) and electronic warfare carrier. A number of countries have M113 applique armour to hull front, sides and rear.

## STATUS

In production in service with Argentina, Australia, Bahrain, Belgium, Bolivia, Bosnia, Brazil, Cambodia, Canada, Chile, Colombia, Congo, Denmark, Ecuador, Egypt, Ethiopia, Germany, Greece, Guatemala, Iran, Iraq, Israel, Italy, Jordan, South Korea, Kuwait, Lebanon, Libya, Lithuania, 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 roof, vertical hull rear with large power-operated hatch, vertical hull sides with no firing ports or vision slits
- Driver's circular hatch front left with air filter to right, commander's cupola with externally mounted 12.7mm MG M113 is centre of roof with rectangular hatch to rear. External box-type fuel tanks each side of rear on hull rear
- Suspension track side has five road wheels, drive sprocket front, after rear, no track return rollers, upper part of track externally powered by rubber skirt

Turkey, Thailand, Tunisia, Turkey, USA, Uruguay, Vietnam and Yemen

## MANUFACTURER

United Defense LP (United Defense Division, San Jose, California, USA. Also built by Oto Melara in La Spezia, Italy and by BAE in Belgium for Belgian Army

Below: Israeli M113 with extra armour



# **Military Tanks Recognition Guide**

**David Porter**



## **Military Tanks Recognition Guide:**

*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* Yuri Obratsov, 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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