

JANIE'S
POCKET BOOK OF
MODERN TANKS
AND ARMORED
FIGHTING VEHICLES
Edited by CHRISTOPHER FOSS



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ARMORED FIGHTING VEHICLES**

10/77

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ARMORED FIGHTING VEHICLES**

CHRISTOPHER F FOSS

Macmillan Publishing Co., Inc.

New York

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Macmillan Publishing Co., Inc.

866 Third Avenue, New York, N.Y. 10022

Collier-Macmillan Canada Ltd.

This edition is not available for sale in the United Kingdom and the British Commonwealth, except Canada

Library of Congress Catalog Card Number: 73-15286

FIRST PRINTING 1974

PRINTED IN GREAT BRITAIN

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Introduction

The object of this book is to enable the reader to identify quickly any modern armoured vehicle. The book covers all post-war vehicles at present in service as well as some that will be entering service in the immediate future.

For this reason the book is divided up into sections of tanks (main battle tanks and light tanks), armoured cars and reconnaissance vehicles, mechanized infantry combat vehicles and armoured personnel carriers, self-propelled guns (including tank destroyers and anti-aircraft vehicles) and finally a selection of bridgelayers and armoured recovery vehicles.

In some cases it has been difficult to put a vehicle in one section rather than another, for example the British Scorpion, which is often called a light tank although its primary role is one of reconnaissance; the American Commando vehicles can be used as armoured cars, reconnaissance vehicles or armoured personnel carriers.

Each vehicle has full data including armament, dimensions, weight, speed, range and crew. The gun calibre is given in mm, all other data in both Imperial and metric. The data are followed by a section of Notes/variants. This states whether or not the vehicle has any amphibious capability and if it has a night fighting or night driving capability. Most vehicles can be fitted with infra-red driving

and fighting lights (the drawback with which is that the enemy can also see you if he has infra-red viewing devices). More recent vehicles such as the French AMX 10P are fitted with passive or image intensification equipment, which does not reveal the position of the vehicle to the enemy. Not all vehicles are fitted with an NBC system, and there are different types of NBC systems. For example the British FV 432 APC and the Chieftain MBT are fitted with NBC filter systems by which the air is filtered as it enters the vehicle. American vehicles such as the M-60 and M-551 do not have this type of system; instead they have air filtration systems that pass clean air direct to the individual crew gas masks. The fact that a vehicle does not have an NBC system does not mean that it cannot operate in an NBC environment. The crew can have gas masks and clothing similar to that worn by the infantry, and the tank itself provides a good deal of protection from radiation.

A brief list of variants, if any, of the basic vehicle is included. Last is the Status section in which details are given of the current status of the vehicle, followed by a list of user countries.

The sources of the photographs are given with the captions. The editor would like to thank the many governments, companies and individuals that have provided material for this volume.

Christopher F Foss

ABBREVIATIONS

A/A	anti-aircraft	kmph	kilometres per hour
A/C	Armoured Car	lb	pounds
AEV	Armoured Engineer Vehicle	m	metres
APC	Armoured Personnel Carrier	MBT	Main Battle Tank
ARV	Armoured Recovery Vehicle	MC	Mortar Carrier
ATGW	Anti-Tank Guided Weapon	MCV	Mechanized Combat Vehicle
AVRE	Armoured Vehicle Royal Engineer	MG	machine gun
BARV	Beach Armoured Recovery Vehicle	MICV	Mechanized Infantry Combat Vehicle
bhp	brake horse power	mph	miles per hour
B/L	bridgelayer	NBC	Nuclear, Biological, Chemical
CV	Command Vehicle	PC	Patrol Car
FLAME	flamethrower	RECCE	Reconnaissance
hp	horse power	rpm	revolutions per minute
ICV	Infantry Combat Vehicle	SPG	Self-Propelled Gun
inc.	including	SPRR	Self-Propelled Recoilless Rifle
kg	kilogrammes	Srs	Series
km	kilometres	SV	Support Vehicle



T-59 CHINA

MAIN BATTLE TANK

Armament: 1 × 100 mm gun

1 × 12.7 mm anti-aircraft machine gun

1 × 7.62 mm machine gun (bow)

1 × 7.62 mm machine gun (co-axial)

Length overall: 29 ft 6 in (8.99 m)

Length: 21 ft 2 in (6.45 m)

Width: 10 ft 9 in (3.27 m)

Height inc. MG: 9 ft 0 in (2.74 m)

Weight, combat: 77 162 lb (35 000 kg)

Speed, road: 31 mph (50 kmph)

Range: 248 miles (400 km)

Engine: 520 hp at 2 000 rpm Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: This is a copy of the Soviet T-54 tank.

The T-59 has no infra-red equipment and no NBC

system; it can probably be fitted with a schnorkel. The Chinese probably have a more recent model of this tank in service.

Status: In production. In service with Albania, China, North Korea, North Vietnam, Sudan, Tanzania.

Other Chinese vehicles:

Type 55 APC is the Soviet BTR-40 built in China.

Type 56 APC is the Soviet BTR-152 built in China.

M-1967 (or M-1970) is a Chinese designed and built APC.

Type 60 Light Tank is a Chinese development of the PT-76 and is armed with an 85 mm gun.

Type 62 tank is similar in appearance to the T-59, but smaller, armed with an 85 mm gun.

Type 63 tank is also armed with an 85 mm gun.

T-59 MAIN BATTLE TANK

Indian Army



AMX-30
FRANCE

MAIN BATTLE TANK

Armament: 1 × 105 mm gun

1 × 12.7 mm or 20 mm gun (left of main gun)

1 × 7.62 mm machine gun on cupola

4 smoke dischargers

Length overall: 31 ft 1 in (9.48 m)

Length: 21 ft 7 in (6.59 m)

Width: 10 ft 2 in (3.10 m)

Height overall: 9 ft 4 in (2.85 m)

Weight, combat: 79 366 lb (36 000 kg)

Speed, road: 40 mph (65 kmph)

Range, road: 400 miles (650 km)

Engine: Hispano-Suiza HS 110, 720 hp at 2 400 rpm.

Multi-fuel. Built by Saviem

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Can be fitted with a schnorkel for deep wading, NBC pack fitted, infra-red driving equipment fitted. Other versions are AMX-30 S for use in hot climates, AMX-30 recovery vehicle, AMX-30 bridge-layer, AMX-30 A/A tank (2 × 30 mm guns, trials only), AMX 155 mm SPG (under test, designation is GCT), Pluton and Roland missile vehicles (under test).

Status: In production and service. Used in (or on order for) Chile, France, Greece, Iraq, Libya, Peru, Saudi Arabia, Spain, Venezuela.



S31824

AMX-13 FRANCE

LIGHT TANK

Armament: 1 × 90 mm gun

1 × 7.5 mm or 7.62 mm co-axial machine gun

2 × 2 smoke dischargers

Length overall: 20 ft 10 in (6.36 m)

Length: 16 ft 0 in (4.88 m)

Width: 8 ft 3 in (2.51 m)

Height: 7 ft 6 in (2.29 m)

Weight, combat: 33 069 lb (15 000 kg)

Speed, road: 37 mph (60 kmph)

Range, road: 210 miles (340 km)

Engine: SOFAM 8 Gxb, 260 bhp at 3 200 rpm. Petrol

Crew: 3 (commander, gunner, driver)

Notes/variants: The above data relate to the AMX-13 with the 90 mm gun in a FL-10 turret. The AMX-13 is not amphibious and is not fitted with a NBC system; it can be fitted with infra-red driving and fighting equipment. Many other French AFVs use components of the

AMX-13. Listed below are the variants on the basic chassis:

AMX-13 with short 75 mm gun in FL-11 turret

AMX-13 Model 58 with 105 mm gun in FL-12 turret

AMX-13 with 75 mm gun in FL-11 turret

AMX-13 Model 51 with 4 SS-11 ATGW

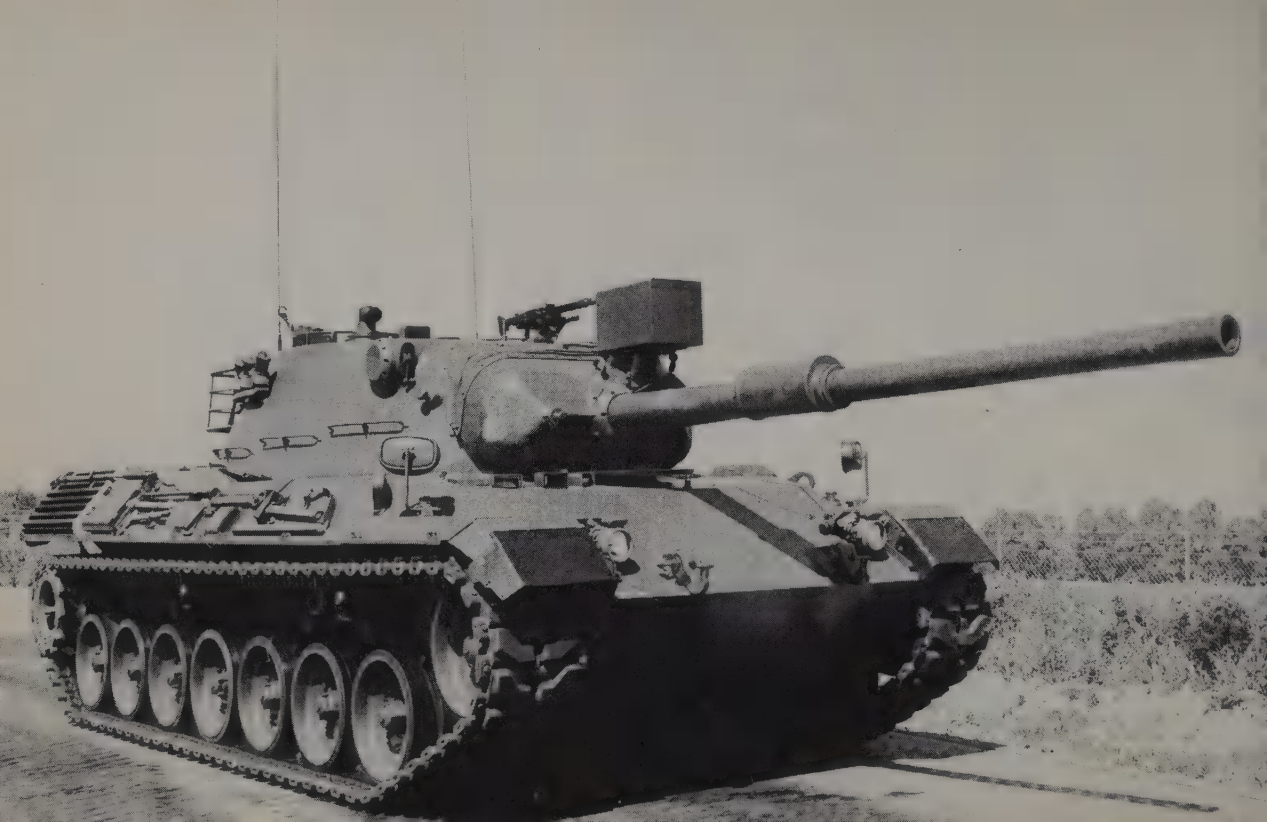
AMX-13 with no turret for driver training

AMX-13 Armoured Recovery Vehicle

AMX-13 Bridgelayer

Status: Production complete. Production can however be undertaken by Creusot-Loire as required. In service with Algeria, Argentina, Austria, Cambodia, Chile, Dominican Republic, Ecuador, Egypt, France, India, Indonesia, Israel, Ivory Coast, Jordan, Lebanon, Morocco, Nepal, Netherlands, Peru, Saudi-Arabia, Singapore, South Vietnam, Switzerland, Tunisia, Venezuela.

AMX-13 LIGHT TANK WITH 90 mm GUN



LEOPARD GERMANY

MAIN BATTLE TANK

Armament: 1 × 105 mm gun
1 × 7.62 mm co-axial machine gun
1 × 7.62 mm anti-aircraft machine gun
8 smoke dischargers
Length overall: 31 ft 4 in (9.54 m)
Length: 22 ft 9 in (6.94 m)
Width: 10 ft 8 in (3.25 m)
Height inc. cupola: 8 ft 8 in (2.64 m)
Weight, combat: 88 160 lb (40 000 kg)
Speed, road: 40.5 mph (65 kmph)
Range, road: 375 miles (600 km)
Engine: MTU MB 838Ca M500, 830 hp at 2 200 rpm.
Multi-fuel
Crew: 4 (commander, gunner, loader, driver)

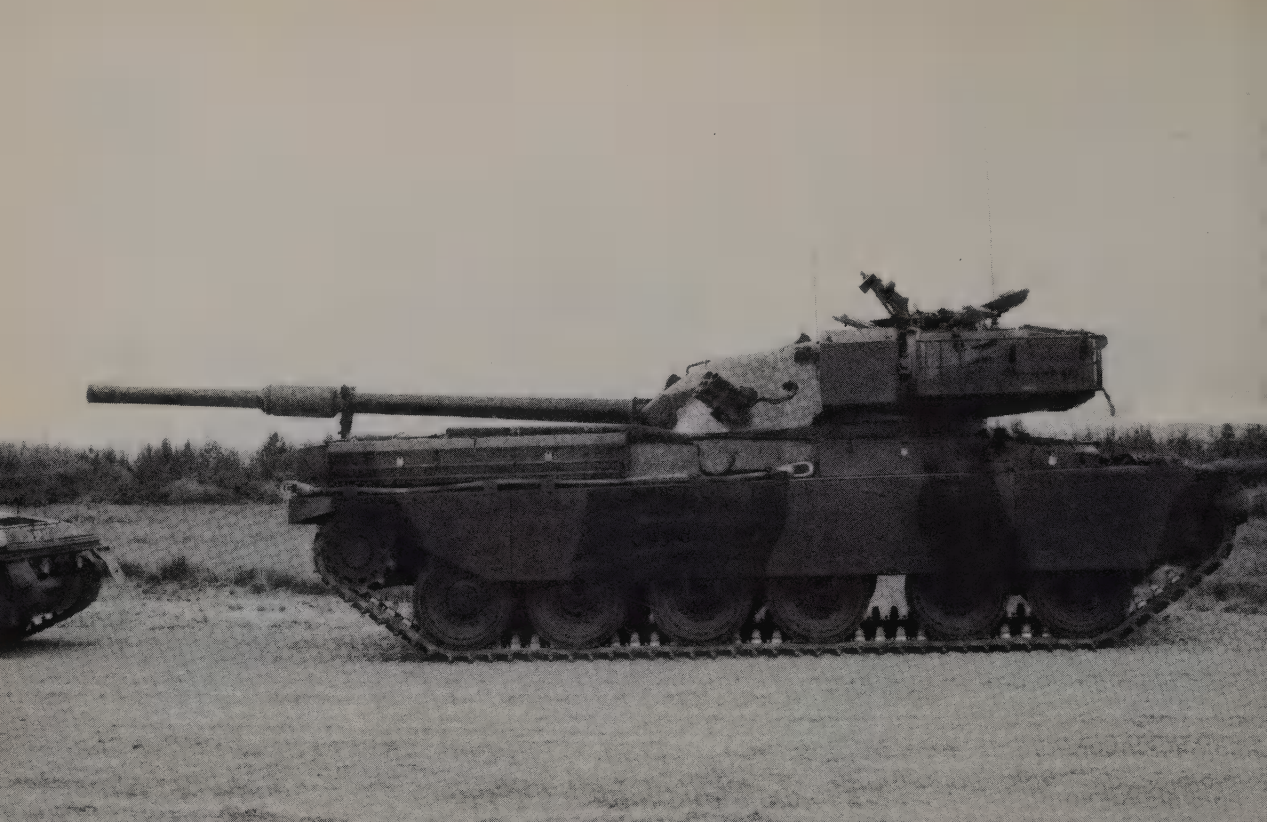
Notes: The Leopard is fitted with infra-red driving and fighting equipment; it has a NBC system, and can be fitted with a schnorkel for deep fording. Under development is the Leopard 2. Variants in service are as follows:

- Bridgelayer
- Armoured Recovery Vehicle
- Training vehicle (no turret)
- Anti-aircraft vehicle, 2 × 35 mm guns (under test)
- Armoured Engineer Vehicle

Status: In production by Krauss-Maffei AG, Munich. In service with Belgium, Germany, Italy (also being built in Italy), Norway and the Netherlands.

LEOPARD MAIN BATTLE TANK

Krauss-Maffei AG



CHIEFTAIN Mk 3 GREAT BRITAIN

MAIN BATTLE TANK

Armament: 1 × 120 mm gun

1 × 12.7 mm ranging machine gun

1 × 7.62 mm co-axial machine gun

1 × 7.62 mm anti-aircraft machine gun

2 × 6 smoke dischargers

Length overall: 35 ft 5 in (10.79 m)

Length: 24 ft 8 in (7.52 m)

Width without searchlight: 11 ft 6 in (3.50 m)

Height overall: 9 ft 6 in (2.89 m)

Weight, combat: 118 700 lb (53 850 kg)

Speed, road: 30 mph (48 kmph)

Range, road: 280 miles (450 km)

Engine: Leyland L60 No. 4 Mk 5A, 650 bhp at 2 100 rpm. Multi-fuel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The Chieftain is fitted with a NBC system and has infra-red driving and fighting equipment; it can be fitted with a schnorkel for deep fording. It can also be fitted with a dozer blade. Variants of the basic tank are the Mk 1 (training), Mk 2, Mk 3/3 and Mk 5 (which has a more powerful engine). Other variants are:

Armoured Recovery Vehicle — in production

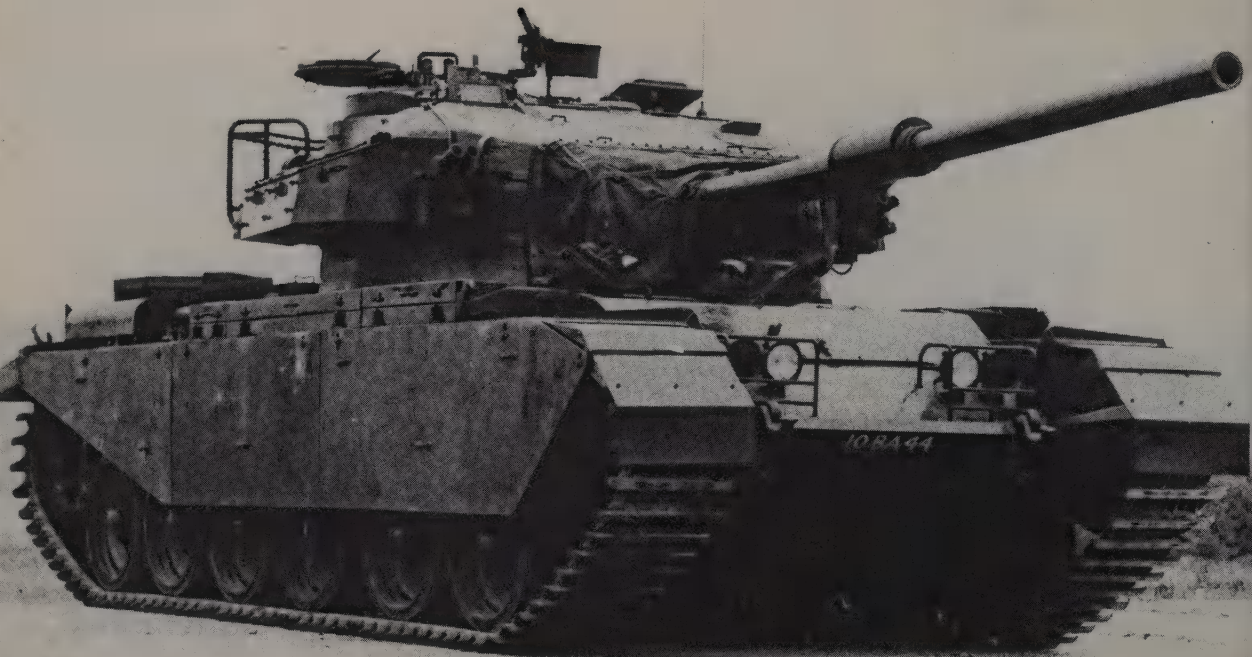
Armoured Vehicle Launched Bridge — in production

Armoured Vehicle Royal Engineers — under development

Status: In production at ROF Leeds and Vickers, Elswick. In service with Great Britain and Iran.

CHIEFTAIN Mk 2 MAIN BATTLE TANK

C W Moggridge



CENTURION Mk 13 GREAT BRITAIN

MAIN BATTLE TANK

Armament: 1 × 105 mm gun

1 × 12.7 mm ranging machine gun

1 × 7.62 mm co-axial machine gun

1 × 7.62 mm anti-aircraft machine gun

2 × 6 smoke dischargers

Length overall: 32 ft 4 in (9.85 m)

Length: 25 ft 8 in (7.82 m)

Width: 11 ft 1½ in (3.39 m)

Height: 9 ft 10½ in (3.01 m)

Weight, combat: 114 500 lb (51 835 kg)

Speed, road: 21.5 mph (34.6 kmph)

Range, road: 118 miles (190 km)

Engine: Rolls-Royce Meteor Mk 1VB, 650 bhp at 2 550 rpm. Petrol

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The Mk 13 is fitted with infra-red driving and fighting equipment, no NBC system fitted, not amphibious. Can be fitted with dozer blade. Many other marks of this tank are in service armed with either a 105 mm gun or a 83.4 mm gun. Many local modifications also exist. Production variants include:

Armoured Recovery Vehicle

Armoured Vehicle Royal Engineers

Beach Armoured Recovery Vehicle

Bridgelayers (standard and ARK)

Status: Production complete. In service with Australia, Canada, Denmark, Egypt, Great Britain, India, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Netherlands, South Africa, Sweden, Switzerland.



VICKERS MBT Mk 1
GREAT BRITAIN

MAIN BATTLE TANK

Armament: 1 × 105 mm gun

1 × 12.7 mm ranging machine gun

1 × 7.62 mm co-axial machine gun

Length overall: 32 ft 1¾ in (9.79 m)

Length: 24 ft 9¾ in (7.56 m)

Width: 10 ft 4¾ in (3.17 m)

Height without MG: 8 ft 10¼ in (2.70 m)

Weight, combat: 85 000 lb (38 600 kg)

Speed, road: 35 mph (56 kmph)

Range: 300 miles (480 km)

Engine: Leyland L60, 650 bhp at 2 670 rpm. Multi-fuel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Optional extras include a 7.62 mm anti-aircraft machine gun, flotation screen, passive night driving and fighting equipment and a laser rangefinder. Under development is the Mk 3 series. Developed as a private venture by Vickers Ltd and uses some of the components of the Chieftain, same gun as used in the Leopard, M-60 and so on.

Status: Production completed by Vickers Ltd, Elswick. In service with India and Kuwait. Still in production in India where it is known as the Vijayanta.

VICKERS MAIN BATTLE TANK Mk 1

Vickers Ltd



MAIN BATTLE TANK

Armament: 1 × 105 mm gun

1 × 7.62 mm machine gun co-axial with 105 mm gun

1 × 12.7 mm A/A machine gun

2 × 3 smoke dischargers

Length overall: 30 ft 7 in (9.33 m)

Length: 21 ft 8 in (6.60 m)

Width: 10 ft 5 in (3.18 m)

Height without MG: 7 ft 5 in (2.25 m)

Weight, combat: 83 776 lb (38 000 kg)

Speed, road: 33 mph (53 kmph)

Engine: Mitsubishi 10ZF Type 21 WT, 750 hp at 2 200

rpm. Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Prototypes were STB-1/STB-3, can be fitted with a schnorkel for deep wading, NBC system, has infra-red fighting and driving equipment, provision for a laser rangefinder. Has hydro-pneumatic suspension system. Can be fitted with a dozer blade, other variants will no doubt be produced.

Status: Prototypes built by Mitsubishi Heavy Industries Ltd and it is reported that production will soon be under way.



TYPE 61 JAPAN

MAIN BATTLE TANK

Armament: 1 × 90 mm gun

1 × 7.62 mm machine gun co-axial with 90 mm gun

1 × 12.7 mm A/A machine gun

2 × 3 smoke dischargers

Length overall: 26 ft 10 in (8.19 m)

Length: 20 ft 8 in (6.30 m)

Width: 9 ft 8 in (2.95 m)

Height inc. MG: 10 ft 4 in (3.16 m)

Weight, combat: 77 200 lb (35 000 kg)

Speed, road: 28 mph (45 kmph)

Range: 124 miles (200 km)

Engine: Mitsubishi 12 HM, 600 hp at 2 100 rpm. Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Not amphibious and no NBC equipment fitted, can have infra-red driving and fighting equipment fitted. Variants in service are:

Type 67 Armoured Vehicle Launched Bridge

Type 70 Armoured Recovery Vehicle

Type 67 Armoured Vehicle, Engineer

Status: Production undertaken by Mitsubishi Nippon Heavy Industries and was reported to have been completed in 1972. In service only with the Japanese Self Defence Force.



T-10M SOVIET UNION

HEAVY TANK

Armament: 1 × 122 mm gun
1 × 14.5 mm co-axial machine gun
1 × 14.5 mm anti-aircraft machine gun
Length overall: 33 ft 9 in (10.29 m)
Length: 24 ft 3 in (7.40 m)
Width: 11 ft 2 in (3.40 m)
Height without MG: 7 ft 5 in (2.26 m)
Weight, combat: 108 000 lb (49 000 kg)
Speed, road: 22 mph (35 kmph)
Range, road: 140 miles (220 km)
Engine: V-2-IS, 690 hp at 2 000 rpm. Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The T-10M is fitted with a NBC system and infra-red driving and fighting equipment; it can also be fitted with a schnorkel. It is an updated model of the T-10. Although referred to in the West as a heavy tank it is in fact lighter than the Chieftain and only slightly heavier than the American M-60A1.

Status: Production complete. In service with Bulgaria, Czechoslovakia, East Germany, Egypt, Hungary, Poland, Romania, Soviet Union, Syria, North Vietnam.



MAIN BATTLE TANK

Armament: 1 × 115 mm gun
1 × 7.62 mm co-axial machine gun
Length overall: 31 ft 0 in (9.45 m)
Length: 22 ft 6 in (6.86 m)
Width: 11 ft 0 in (3.35 m)
Height: 7 ft 10 in (2.40 m)
Weight, combat: 80 468 lb (36 500 kg)
Speed, road: 30 mph (48 kmph)
Range: 250 miles (400 km)
Engine: V-12, 580 hp. Diesel

T-62 MAIN BATTLE TANK

Tass

T-62 SOVIET UNION

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The T-62 can deep ford with the aid of a schnorkel; it is fitted with infra-red driving and fighting equipment and also has a NBC system. No variants are known to exist. A new Soviet tank known as the T-70 has been on trials for some time; it has a 122 mm gun and weighs about 40 tons.

Status: In production. In service from 1965 with Bulgaria, Czechoslovakia, East Germany, Egypt, Poland, Romania, Soviet Union, Syria.



T-55

SOVIET UNION

MAIN BATTLE TANK

Armament: 1 × 100 mm gun

1 × 7.62 mm co-axial machine gun

1 × 7.62 mm machine gun, bow mounted

Length overall: 27 ft 11 in (8.51 m)

Length: 21 ft 2 in (6.45 m)

Width: 10 ft 9 in (3.27 m)

Height: 7 ft 10 in (2.40 m)

Weight, combat: 79 400 lb (36 000 kg)

Speed, road: 34 mph (55 kmph)

Range: 250 miles (400 km)

Engine: V-2-55, 580 hp at 2 200 rpm. Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Developed from the T-54. The T-55 has infra-red driving and fighting equipment, NBC system and can be fitted with a schnorkel for deep fording. A latter version of the T-55 (Model 2) has no bow MG and different hatches. Other variants including recovery, bridgelayers and mine clearing tanks have been built.

Status: In service from 1961. Production probably now complete. Used by similar countries to the T-54. Refer to T-54 for details.



T-54

SOVIET UNION

MAIN BATTLE TANK

Armament: 1 × 100 mm gun

1 × 12.7 mm anti-aircraft machine gun

1 × 7.62 mm co-axial machine gun

1 × 7.62 mm machine gun in bow

Length overall: 29 ft 6 in (8.99 m)

Length: 21 ft 2 in (6.45 m)

Width: 10 ft 9 in (3.27 m)

Height without A/A MG: 7 ft 11 in (2.41 m)

Weight, combat: 79 370 lb (36 000 kg)

Speed, road: 31 mph (50 kmph)

Range: 248 miles (400 km)

Engine: Model V-2-54, 520 hp at 2 000 rpm. Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The T-54 is fitted with infra-red driving and fighting equipment and can be fitted with a

schnorkel for deep fording. No NBC system fitted. Later models of the T-54 include the T-54A, T-54A(M), T-54B, T-54C and the T-55 (see separate entry).

Variants of the T-54 include:

MTU Bridgelayer

MTU-1967 Bridgelayer

Mine clearing, dozer and recovery versions

The T-54 has also been built in Czechoslovakia, Poland and China (as the T-59).

Status: Production complete. In service with Afghanistan, Algeria, Bulgaria, China, Cuba, Czechoslovakia, East Germany, Egypt, Finland, Hungary, India, Iraq, Israel, Libya, Mongolia, Morocco, North Korea, North Vietnam, North Yemen, Pakistan, Poland, Romania, Soviet Union, Sudan, Syria, Yugoslavia.

T-54 MAIN BATTLE TANK

Finnish Army



LIGHT TANK

Armament: 1 × 76 mm gun

1 × 7.62 mm co-axial machine gun

Length overall: 25 ft 0 in (7.62 m)

Length: 22 ft 8 in (6.91 m)

Width: 10 ft 5 in (3.18 m)

Height: 7 ft 2 in (2.195 m)

Weight, combat: 31 000 lb (14 000 kg)

Speed: 27 mph (44 kmph)

Range: 155 miles (250 km)

Engine: Type T-54V-2, 240 hp at 1 800 rpm. Diesel

Crew: 3 (commander, gunner, driver)

Notes/variants: The PT-76 is fully amphibious, water speed being 6.2 mph (10 kmph). The vehicle is the basis for many Soviet vehicles including the BTR-50, ZSU-23-4 and ASU-85. There are 4 variants of the

PT-76:

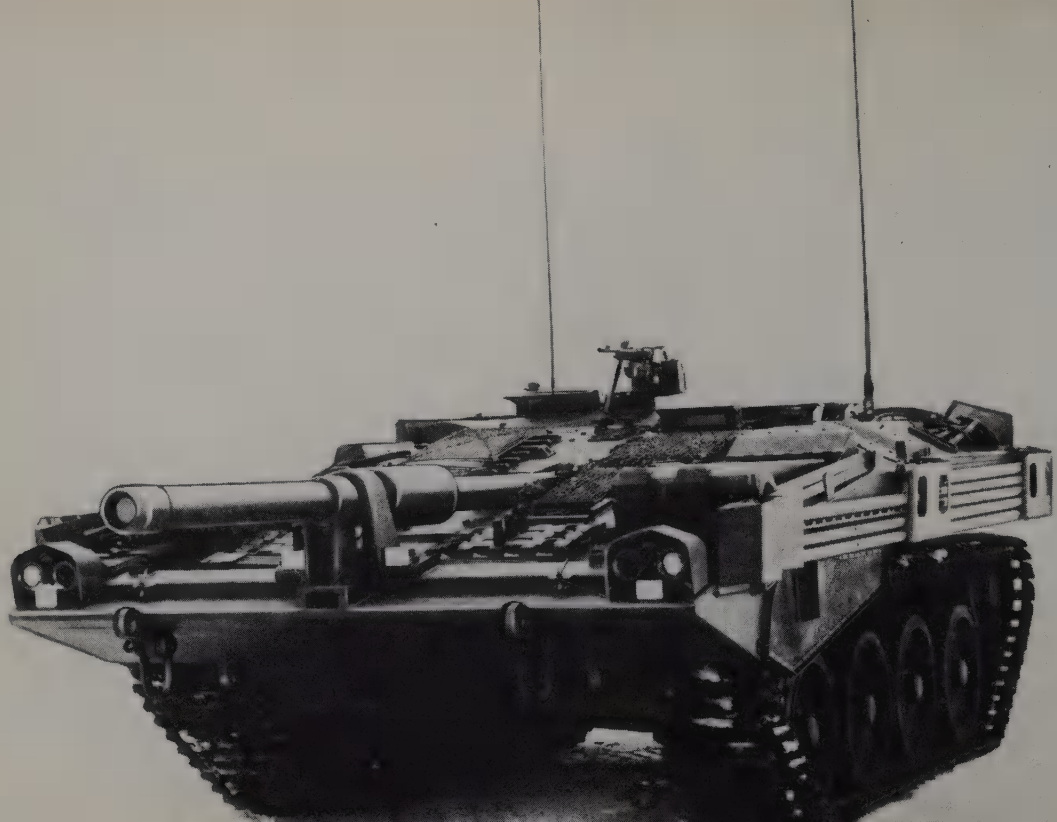
Model 1 Has a multi-slotted muzzle brake and no bore evacuator

Model 2 Has a double baffle muzzle brake and a bore evacuator

Model 3 Has a clean barrel

Model 4 Is the Model 2 with the 76 mm gun stabilized. Also known as the PT-76B.

Status: Production complete. In service with Afghanistan, Bulgaria (built in China as the Type 60, or with a 85 mm gun as the Type 62 or 63), Cuba, Czechoslovakia, East Germany, Egypt, Finland, Hungary, India, Indonesia, Iraq, Laos, North Korea, North Vietnam, Palestinian Liberation Army, Poland, Soviet Union, Syria, Yugoslavia.



MAIN BATTLE TANK

Armament: 1 × 105 mm gun

1 × 7.62 mm machine gun (commander's cupola)

2 × 7.62 mm machine guns (on hull—fixed)

2 × 4 smoke dischargers

Length overall: 29 ft 6 in (8.99 m)

Length: 24 ft 11 in (7.60 m)

Width overall: 11 ft 10 in (3.60 m)

Height inc. MG: 8 ft 0 in (2.43 m)

Weight, combat: 87 500 lb (39 700 kg)

Speed, road: 31 mph (50 kmph)

Range: 240 miles (386 km)

Engines: 1 × Rolls-Royce K60, 240 bhp at 3 650 rpm;

STRIDSVAGN 103B SWEDEN

1 × Caterpillar 553 turbine, 490 shp at 41 000 rpm

Crew: 3 (commander, driver/gunner, radio operator)

Notes/variants: The Stridsvagn 103B is also known as the S Tank. It is fitted with a flotation screen which when erected allows it to cross lakes and rivers at a speed of 3.4 mph (5.5 kmph); it also has infra-red driving lights. A dozer blade can be fitted to the front of the vehicle. Earlier version was Stridsvagn 103A. All of these have been rebuilt to the latter 103B standards.

Status: Production completed. In service only with the Swedish Army.

STRIDSVAGN 103B

Swedish Army



**IKV-91
SWEDEN**

LIGHT TANK (TANK DESTROYER)

Armament: 1 × 90 mm gun

1 × 7.62 mm co-axial machine gun

1 × 7.62 mm anti-aircraft machine gun

2 × 6 smoke dischargers

Length overall: 28 ft 8 in (8.74 m)

Length: 21 ft 0 in (6.40 m)

Width: 9 ft 10 in (3.00 m)

Height overall: 7 ft 11 in (2.41 m)

Weight, combat: 34 170 lb (15 500 kg)

Speed, road: 42 mph (67 kmph)

Range, road: 250 miles (400 km)

Engine: Volvo-Penta TD-120, 330 hp at 2 200 rpm.

Diesel

Crew: 4 (commander, gunner, loader, driver)

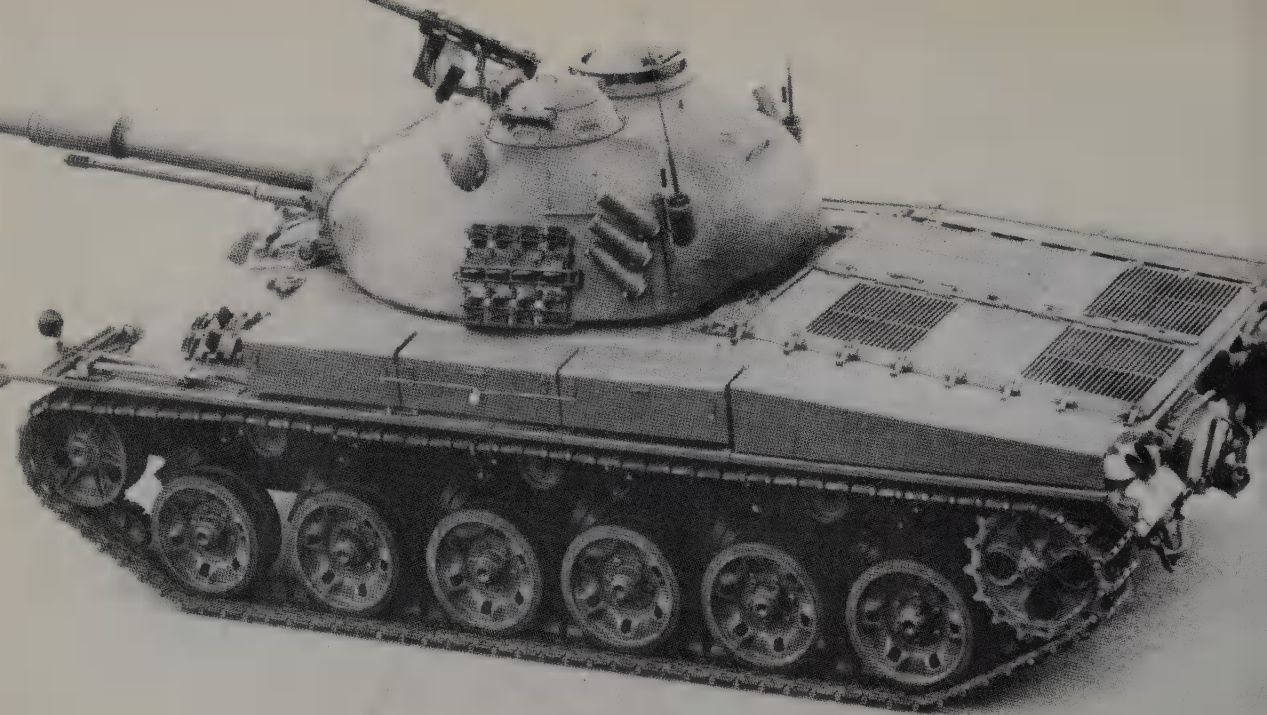
Notes/variants: Uses components of the Pbv 302 series.

The IKV-91 is fully amphibious, water speed being 4.35 mph (7 kmph), also fitted with infra-red driving lights and a NBC system. Will replace the old IKV-102, IKV-103 and m/43 self-propelled weapons (which are not described in this volume as they will soon be phased out, as will be the Strv 74 tank).

Status: In production for the Swedish Army by Hägglund and Söner, will enter service with the Swedish Army in 1974.

IKV-91 LIGHT TANK (TANK DESTROYER)

Hägglund and Söner



PZ 61
SWITZERLAND

MAIN BATTLE TANK

Armament: 1 × 105 mm gun

1 × 20 mm co-axial cannon

1 × 7.5 mm anti-aircraft machine gun

6 smoke dischargers

Length overall: 30 ft 9 in (9.36 m)

Length: 21 ft 11 in (6.685 m)

Width: 10 ft 0 in (3.06 m)

Height without MG: 8 ft 6 in (2.72 m)

Weight, combat: 83 776 lb (38 000 kg)

Speed, road: 34 mph (55 kmph)

Range: 186 miles (300 km)

Engine: MTU MB 837, 630 bhp at 2 200 rpm. Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The Pz 61 is not amphibious, cannot be fitted with a schnorkel and has no infra-red equipment.

A latter model of this tank is called the Pz 68, which has a 7.5 mm machine-gun in place of the 20 mm cannon, and a more powerful engine. Other variants are:

Brü Pz 68 Bridgelayar

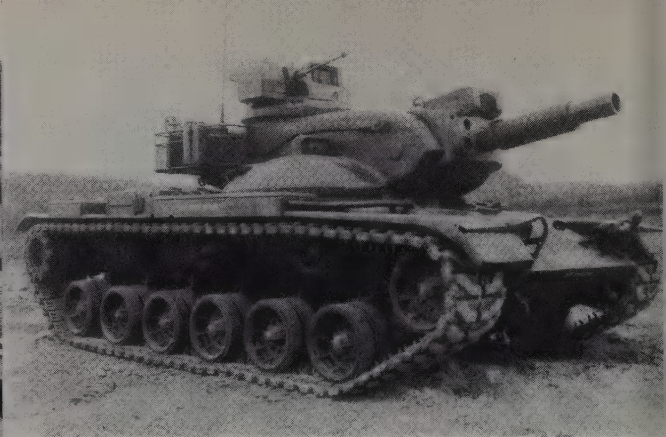
Entp Pz 65 Recovery vehicle

Panzer-Kanone 68 155 mm self-propelled gun

Status: Production of the Pz 61 has been completed at the Federal Construction Works, Thun. Production of the Pz 68 is under way.



M-60 TANK IN FRONT WITH M-60A1 IN BACKGROUND
United States Army Europe



M-60A2 MAIN BATTLE TANK
United States Tank-Automotive Centre

M-60A1
USA

MAIN BATTLE TANK

Armament: 1 × 105 mm gun

1 × 7.62 mm co-axial machine gun

1 × 12.7 mm anti-aircraft machine gun

Length overall: 30 ft 11½ in (9.44 m)

Length: 22 ft 9½ in (6.95 m)

Width: 11 ft 11 in (3.63 m)

Height overall: 10 ft 8¼ in (3.26 m)

Weight, combat: 106 000 lb (48 080 kg)

Speed, road: 30 mph (48 kmph)

Range, road: 310 miles (500 km)

Engine: Continental AVDS-1790-2A, 750 bhp at 2 400 rpm. Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The M-60A1 is a development of the earlier M-60; it is fitted with infra-red driving and fighting equipment and can be fitted with a schnorkel and a dozer blade. Other variants are:

M-728 Combat Engineer Vehicle

M-60A2 With 152 mm gun/missile launcher

M-60A3 Under development

M-60 Armoured Vehicle Launched Bridge

Status: In production at Chrysler (Detroit) Tank Plant. Has also been built in Italy. In service with Austria, Iran, Israel, Italy, Jordan, Kuwait, Turkey and United States.



M-48 MAIN BATTLE TANK

United States Army



M-67 FLAMETHROWER TANK

United States Marine Corps

M-48A3 USA

MAIN BATTLE TANK

Armament: 1 × 90 mm gun

1 × 7.62 mm co-axial machine gun

1 × 12.7 mm anti-aircraft machine gun

Length overall: 28 ft 6 in (8.69 m)

Length: 22 ft 10 in (6.96 m)

Width: 11 ft 11 in (3.63 m)

Height overall: 10 ft 3 in (3.12 m)

Weight, combat: 104 000 lb (45 585 kg)

Speed, road: 30 mph (48 kmph)

Range: 288 miles (470 km)

Engine: Continental AVDS-1790-2A, 750 bhp at 2 400 rpm. Diesel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The M-48A3 is not amphibious and does not have a NBC system; it is fitted with infra-red driving and fighting equipment. Earlier variants include the M-48, M-48C, M-48A1, M-48A2, M-48A2C, which all have similar armament. The M-67, M-67A1 and M-67A2 are flamethrower versions. There is also the M-48 Armoured Vehicle Launched Bridge. The M-88 ARV uses some components of the M-48 series. Any of the M-48 family can have a dozer blade fitted to them.

Status: Production complete. In service with Greece, Israel, Jordan, Nationalist China, Norway, Pakistan, South Korea, South Vietnam, Spain, Thailand, Turkey, United States, West Germany.



M-47
USA

MEDIUM TANK

Armament: 1 × 90 mm gun
1 × 7.62 mm co-axial machine gun
1 × 12.7 mm anti-aircraft machine gun
1 × 7.62 mm machine gun mounted in bow
Length overall: 27 ft 11 in (8.51 m)
Length: 20 ft 10¼ in (6.37 m)
Width: 11 ft 6¼ in (3.51 m)
Height inc. MG: 11 ft 0 in (3.35 m)
Weight, combat: 101 775 lb (46 164 kg)
Speed, road: 30 mph (48 kmph)
Range: 80 miles (130 km)

Engine: Continental AV-1790-5B, 810 hp at 2 800 rpm.
Petrol

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Developed from the M-46. Fitted with infra-red driving lights, not amphibious although it can deep ford. It can be fitted with a dozer blade. Many local modifications have been carried out to this tank.

Status: Production completed. In service with Austria, Belgium, Brazil, France, Greece, Iran, Italy, Jordan, Pakistan, Portugal, Saudi-Arabia, South Korea, South Vietnam, Spain, Turkey, Yugoslavia.



M-41
USA

LIGHT TANK

Armament: 1 × 76 mm gun
1 × 7.62 mm co-axial machine gun
1 × 12.7 mm A/A machine gun
Length overall: 26 ft 11¾ in (8.22 m)
Length: 19 ft 1⅞ in (5.82 m)
Width: 10 ft 5¾ in (3.19 m)
Height inc. MG: 10 ft 1¼ in (3.08 m)
Weight, combat: 51 800 lb (23 495 kg)
Speed, road: 45 mph (72 kmph)
Range, road: 100 miles (160 km)
Engine: Continental or Lycoming AOS-895-3,500 bhp at
2 800 rpm. Petrol

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Fitted with infra-red driving equipment, uses components of the M-52(105 mm) and M-44(155 mm) self-propelled guns. Later versions of the M-41 are the M-41A1, M-41A2 and M-41A3, which have slight modifications to the engines and fire control systems.

Status: Production complete. In service with Argentina, Austria, Belgium, Brazil, Chile, Denmark, Ethiopia, Greece, Japan, Lebanon, Pakistan, Philippines, Portugal, Saudi-Arabia, South Vietnam, Spain, Thailand, Tunisia, Turkey.



M-551
USA

LIGHT TANK (RECONNAISSANCE VEHICLE)

Armament: 1 × 152 mm gun/launcher
1 × 7.62 mm co-axial machine gun
1 × 12.7 mm anti-aircraft machine gun
8 smoke dischargers
Length: 20 ft 8 in (6.30 m)
Width: 9 ft 2 in (2.79 m)
Height inc. MG: 9 ft 8 in (2.95 m)
Weight, combat: 33 518 lb (15 276 kg)
Speed, road: 43.5 mph (70 kmph)
Range: 373 miles (643 km)
Engine: General Motors 6V53T, 300 bhp at 2 800 rpm.

Multi-fuel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: The M-551 (also known as the Sheridan) is amphibious, water speed being 3.6 mph (5.8 kmph); it is fitted with infra-red driving and fighting equipment. Its 152 mm weapon can fire conventional ammunition or Shillelagh missiles. Other variants have been developed but are not in service.

Status: Production completed by Allison Division of General Motors Corporation. In service with the United States and South Vietnam.

M-551 LIGHT TANK (RECONNAISSANCE VEHICLE)
United States Army Europe



ARMoured CAR

Armament: 2 × 7.62 mm machine guns

1 × 60 mm grenade mortar launcher

2 × 6 smoke dischargers

Length: 14 ft 9 in (4.50 m)

Width: 7 ft 5 in (2.26 m)

Height overall: 7 ft 9 in (2.37 m)

Weight, combat: 19 400 lb (8 800 kg)

Speed, road: 68 mph (110 kmph)

Range, road: 372 miles (600 km)

FN 4 RM/62F AB BELGIUM

Engine: FN 652, 130 hp at 1 000 rpm. Petrol

Crew: 3 (commander/gunner, loader, driver)

Notes/variants: The FN 4 RM/62F AB is not amphibious; it is fitted with a NBC system. The other variant is armed with a 90 mm gun, a 7.62 mm co-axial machine-gun, a 7.62 mm anti-aircraft machine-gun and 12 smoke dischargers.

Status: Production completed in 1971 by FN of Herstal, Belgium. In service with the Belgian Gendarmerie.

FN 4 RM/62F AB ARMoured CAR WITH TWIN
7.62 mm MGs and 60 mm MORTAR

Fabrique Nationale d'Armes de Guerre



ARMOURED CAR

Armament: 1 × 75 mm gun

1 × 7.5 mm or 7.62 mm co-axial machine gun

2 × 7.5 mm or 7.62 mm machine guns (one mounted in each of the drivers' compartments).

4 smoke dischargers

Length overall: 24 ft 1 in (7.34 m)

Length: 18 ft 3 in (5.56 m)

Width: 7 ft 11 in (2.41 m)

Height: 8 ft 6 in (2.59 m)

Weight, combat: 33 800 lb (15 330 kg)

Speed, road: 62 mph (100 kmph)

Range: 375 miles (600 km)

EBR-75 (FL-10)

FRANCE

Engine: Panhard 12 cylinder, 200 bhp at 3 700 rpm.
Petrol

Crew: 4 (commander, gunner, 2 drivers)

Notes/variants: The EBR-75 is an 8 × 8 vehicle; it is not amphibious, has no infra-red equipment and no NBC system. Variants are:

EBR-75 with FL-11 turret with 75 mm gun

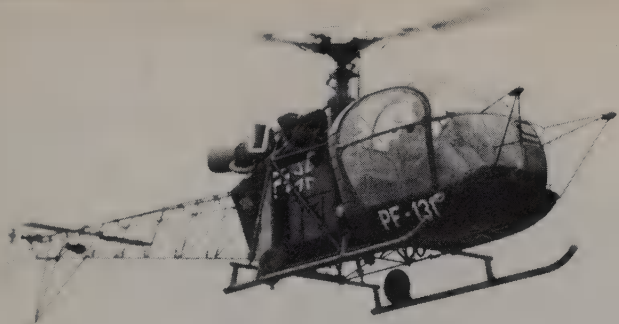
EBR-75 with FL-11 turret with 90 mm gun

EBR-ETT APC (few in service)

Status: Production completed in 1960 by Panhard of Paris. In service with France, Morocco and Portugal.

EBR-75 WITH FL-10 TURRET

Direction Technique des Armements Terrestres



HOTCHKISS SP 1A (SPZ 11-2) FRANCE

RECONNAISSANCE VEHICLE

Armament: 1 × 20 mm cannon

Length: 14 ft 10 in (4.51 m)

Width: 7 ft 6 in (2.28 m)

Height: 6 ft 6 in (1.97 m)

Weight, combat: 18 070 lb (8 200 kg)

Speed, road: 36 mph (58 kmph)

Range: 242 miles (390 km)

Engine: Hotchkiss, 164 hp at 3 900 rpm. Petrol

Crew: 5 (commander, gunner, driver, radio-operator, rifleman)

Notes/variants: The Hotchkiss SP 1A (SPZ 11-2) is not

amphibious and is not fitted with a NBC system; it is due to be replaced by the 8 × 8 amphibious Spähpanzer. Other variants in service are:

SPZ 22-2 Artillery observation and command vehicle

SPZ 2-2 Armoured ambulance

SPZ 51-2 Mortar carrier with 81 mm mortar

SPZ 31-2 Radio Vehicle

Load carrier (4 road wheels each side)

Status: Production complete by Hotchkiss. In service with the German Army.



PANHARD AML 90-7 ARMoured CAR

Panhard and Levassor



PANHARD AML H 60-7 ARMoured CAR

Panhard and Levassor

ARMoured CAR

Armament: 2 × 7.62 mm machine guns
1 × 60 mm mortar

Length: 12 ft 5 in (3.79 m)

Width: 6 ft 5 in (1.97 m)

Height: 6 ft 2 in (1.885 m)

Weight, combat: 10 580 lb (4 800 kg)

Speed, road: 56 mph (90 kmph)

Range, road: 370 miles (600 km)

Engine: Panhard 4HD, 90 hp at 4 300 rpm. Petrol

Crew: 3 (commander, gunner, driver)

Notes/variants: The AML is not amphibious (an amphibious kit has been developed). It does not have a NBC system and can be fitted with infra-red driving and fighting equipment. There are numerous other variants including:

PANHARD AML H 60-7 FRANCE

AML H 90-7 With 90 mm gun, 7.62 mm mg, smoke dischargers

AML H 60-20 With 60 mm mortar, 20 mm cannon, 7.62 mm mg

AML H 60-12 With 60 mm mortar, 12.7 mm mg

AML S 530 With twin 20 mm cannon

AML H 30 With 1 × 30 mm cannon, 2 × 7.62 mm mg and 4 smoke dischargers

Status: In production by Panhard and Levassor of Paris. Also built in South Africa. In service with Algeria, Burundi, Cambodia, Congo, Ecuador, Ethiopia, France, Iraq, Israel, Ivory Coast, Kenya, Libya, Malaysia, Mauritania, Morocco, Nigeria, Portugal, Republic of Ireland, Rwanda, Saudi-Arabia, Senegal, South Africa, Spain, Tunisia.



RECONNAISSANCE VEHICLE

Armament: 1 × 20 mm cannon

1 × 7.62 mm anti-aircraft machine gun

2 × 4 smoke dischargers

Length: 24 ft 1 in (7.34 m)

Width: 9 ft 9 in (2.98 m)

Height inc. MG: 8 ft 2 in (2.50 m)

Weight, combat: 41 888 lb (19 000 kg)

Speed, road: 62 mph (100 km)

Range, road: 497 miles (800 km)

SPÄHPANZER 2 GERMANY

Engine: Daimler-Benz, 400 hp at 2 500 rpm. Diesel

Crew: 4 (commander, gunner, 2 drivers)

Notes/variants: The Spähpanzer Rad/Schwimm 2 is an 8 × 8 vehicle and fully amphibious; water speed is 7 mph (11.2 kmph). Also under development is the 4 × 4 Spähpanzer 3 reconnaissance vehicle as well as 4 × 4 and 6 × 6 armoured load carriers.

Status: In production for the German Army.



ARMoured CAR

Armament: 1 × 76 mm gun

1 × 7.62 mm co-axial machine gun

1 × 7.62 mm anti-aircraft machine gun

2 × 6 smoke dischargers

Length overall: 17 ft 3¼ in (5.27 m)

Length: 16 ft 3 in (4.93 m)

Width overall: 8 ft 4 in (2.54 m)

Height without A/A MG: 7 ft 10 in (2.39 m)

Weight, combat: 25 536 lb (11 600 kg)

Speed, road: 45 mph (72 kmph)

Range: 250 miles (400 km)

Engine: Rolls-Royce B80, 170 bhp at 3 750 rpm. Petrol

FV 601 SALADIN GREAT BRITAIN

Crew: 3 (commander, gunner, driver)

Notes/variants: Uses some of the components of the FV 603 Saracen APC. Saladin has no NBC or infra-red equipment and is not amphibious (amphibious kit was developed but not built in quantity). German vehicles have no co-axial machine-gun and 8 smoke dischargers.

Status: Built by Alvis Ltd, production complete. In service with Abu Dhabi, Bahrein, Federal German Border Police, Ghana, Great Britain, Indonesia, Jordan, Kuwait, Libya, Muscat and Oman, Nigeria, Portugal, Qatar, South Yemen, Sudan, Tunisia and Uganda.



RECONNAISSANCE VEHICLE

Armament: 1 × 76 mm gun

1 × 7.62 mm machine gun co-axial with above

2 × 3 smoke dischargers

Length: 14 ft 4 in (4.39 m)

Width: 7 ft 2 in (2.18 m)

Height: 6 ft 10½ in (2.10 m)

Weight: 17 500 lb (7 960 kg)

Speed, road: 55 mph (87 kmph)

Range, road: 400 miles (644 km)

Engine: Jaguar 4.2 litre, 195 bhp at 5 000 rpm. Petrol

Crew: 3 (commander, gunner, driver)

Notes/variants: Amphibious with preparation, water speed being 4 mph (6.4 kmph), NBC pack fitted, night driving and fighting equipment can be fitted. Built of

FV 101 SCORPION GREAT BRITAIN

aluminium alloy armour. Full designation is CVR(T) = Combat Vehicle Reconnaissance (Tracked). Other variants are:

FV 102 Striker (with Swingfire ATGW)

FV 103 Spartan (APC)

FV 104 Samaritan (ambulance)

FV 105 Sultan (command vehicle)

FV 106 Sampson (recovery vehicle)

FV 107 Scimitar (armed with 30 mm Rarden cannon)

Status: Scorpion is in production by Alvis Ltd and has entered service with the British Army. Scorpion and Striker are also being built in Belgium for the Belgian Army. Other customers are reported to include Canada and Iran.



ARMoured CAR (SCOUT CAR)

Armament: 1 × 30 mm Barden cannon
1 × 7.62 mm co-axial machine gun
2 × 3 smoke dischargers

Length without armament: 13 ft 8 in (4.17 m)

Width: 7 ft 0 in (2.13 m)

Height: 7 ft 0 in (2.13 m)

Weight, combat: 13 500 lb (6 120 kg)

Speed, road: 62 mph (100 kmph)

Range: 205 miles (330 km)

Engine: Jaguar XK6, 195 bhp at 5 000 rpm. Petrol

FV 721 FOX GREAT BRITAIN

Crew: 3 (commander, gunner, driver)

Notes/variants: Has aluminium armour, full designation is Combat Vehicle Reconnaissance (Wheeled). Fitted with a flotation screen, can have infra-red or passive night driving and fighting equipment fitted. NBC system for crew. Can also be fitted with ZB 298 radar. Under development is the Vixen, which has a 7.62 mm machine gun, turret mounted.

Status: In production at Royal Ordnance Factory, Leeds. In service with the British Army and on order for Iran.

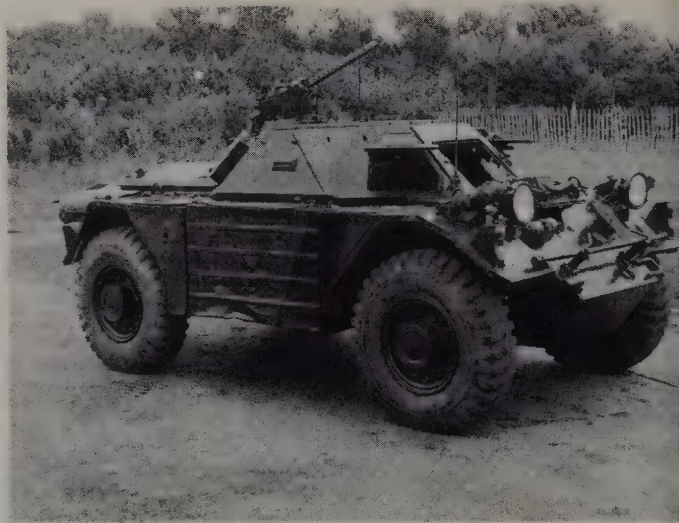
FV 721 FOX ARMoured CAR (SCOUT CAR)

Alvis Ltd



FERRET Mk 2/3 SCOUT CAR

Alvis Ltd FERRET Mk 1/1 SCOUT CAR



Christopher F Foss,

SCOUT CAR

Armament: 1 × 7.62 mm machine gun

2 × 3 smoke dischargers

Length: 12 ft 7 in (3.84 m)

Width: 6 ft 3 in (1.91 m)

Height overall: 6 ft 2 in (1.88 m)

Weight, combat: 9 688 lb (4 395 kg)

Speed: 58 mph (93 kmph)

Range, road: 190 miles (290 km)

Engine: Rolls-Royce B60 Mk 6A, 129 bhp at 3 750 rpm.

Petrol

Crew: 2 (commander/gunner, driver)

Notes/variants: The Mk 2/3 Ferret is not amphibious, has no NBC system and has no infra-red fighting or driving equipment. Other variants in service include:

Mk 1/1 Open roof, 7.62 mm machine gun

Mk 2/6 As Mk 2/3 but has 2 Vigilant ATGW

FERRET Mk 2/3

GREAT BRITAIN

Mk 1/2 As Mk 1/1 but has armoured roof, 7.62 mm machine-gun

Mk 3 As Mk 1/1 but with bigger wheels and flotation screen

Mk 4 As Mk 2/3 but with bigger wheels and flotation screen

Mk 5 Armed with a turret mounting 4 Swingfire ATGW, 1 × 7.62 mm machine-gun, fitted with flotation screen

Status: Production completed by Daimler Ltd in 1971. In service with Abu Dhabi, Brunei, Burma, Canada, Ceylon, Congo, Gambia, Ghana, Great Britain, Indonesia, Iran, Iraq, Jamaica, Jordan, Kenya, Kuwait, Libya, Malawi, Malaysia, Muscat and Oman, New Zealand, Nigeria, Qatar, Ras Al Khaimah, Rhodesia, Sierra Leone, Somali, South Africa, Sudan, Uganda, Zambia.



ARMoured PATROL CAR

Armament: 1 × 7.62 mm machine gun
2 × 3 smoke dischargers (if required)
Length: 15 ft 1 in (4.60 m)
Width: 5 ft 10 in (1.78 m)
Height: 7 ft 6 in (2.29 m)
Weight, combat: 7 400 lb (3 360 kg)
Speed, road: 50 mph (80 kmph)
Range, road: 200 miles (322 km)
Engine: Rover 4.77 hp at 4 100 rpm. Petrol

SHORLAND Mk 2 GREAT BRITAIN

Crew: 3 (commander, driver, gunner)
Notes/variants: Based on a Land Rover chassis, suitable for internal security roles. The Shorland Mk 3 has a Rover 6 engine. Under development is an APC version.
Status: In production by Short Brothers and Harland, Northern Ireland. In service with 14 countries including Argentina, Great Britain (Northern Ireland), Gulf States, Libya, Thailand and Venezuela.



SCOUT CAR

Armament: 1 × 7.62 mm machine gun

Length: 19 ft 0 in (5.80 m)

Width: 7 ft 9 in (2.36 m)

Height without MG: 6 ft 3 in (1.90 m)

Weight, combat: 13 450 lb (6 100 kg)

Speed, road: 54 mph (87 kmph)

Range, road: 310 miles (500 km)

Engine: Csepel D-414, 100 hp at 2 300 rpm. Diesel

Crew: 4/5

Notes/variants: The FUG M-1963 (also known as the

FUG M-1963 HUNGARY

OT-65) is fully amphibious, water speed being 5.6 mph (9 kmph); it is fitted with infra-red driving equipment. Other versions of the FUG M-1963 include an ambulance and a radiological/chemical reconnaissance vehicle. The FUG M-1966 (OT-66) has a similar hull to the FUG M-1963 but has a turret fitted with a 23 mm cannon, and a 7.62 mm machine gun.

Status: Production probably complete. In service with Czechoslovakia, Hungary and Poland.



ARMOURED CAR

Armament: 1 × 14.5 mm machine gun
1 × 7.62 mm machine gun co-axial with above
Length: 18 ft 0 in (5.50 m)
Width: 7 ft 2 in (2.18 m)
Height overall: 7 ft 1 in (2.15 m)
Weight, combat: 15 432 lb (7 000 kg)
Speed, road: 62 mph (100 kmph)
Range: 450 miles (750 km)
Engines: 2 × M-21, 70 hp at 4 000 rpm. Petrol

BTR-40PB SOVIET UNION

Crew: 4

Notes/variants: The BTR-40PB is also known as the BTR-40 P-2 or BRDM-2; it is fully amphibious, water speed being 6.2 mph (10 kmph). It is also fitted with infra-red driving equipment and probably has a NBC system fitted. Turret is the same as that fitted to the BTR-60PB.

Status: Probably still in production. In service with East Germany, Poland, Soviet Union and Yugoslavia.



BTR-40P SCOUT CAR



BTR-40P WITH 4 SWATTER ATGW (Model B)

SCOUT CAR

Armament: 1 × 7.62 mm machine gun
1 × 12.7 mm machine gun

Length: 18 ft 8 in (5.70 m)

Width: 7 ft 5 in (2.25 m)

Height without MG: 6 ft 3 in (1.90 m)

Weight, combat: 12 350 lb (5 600 kg)

Speed, road: 50 mph (80 kmph)

Range: 310 miles (500 km)

Engine: GAZ-40P, 90 hp at 3 400 rpm. Petrol

Crew: 5

Notes/variants: The BTR-40P is fully amphibious, water speed being 5.5 mph (9 kmph); it is fitted with infra-red driving equipment and probably has a NBC system.

BTR-40P SOVIET UNION

Variants of the vehicle include the BTR-40P-rkh, a special radiological/chemical/reconnaissance vehicle. There are also the following versions, in which the vehicle has been considerably altered:

BTR-40P With 3 Snapper ATGW Model A

BTR-40P With 4 Swatter ATGW Model B

BTR-40P With 6 Sagger ATGW Model C

BTR-40P With 6 Sagger ATGW Model D (BTR-40PB hull)

Status: Production probably complete. In service with Albania, Bulgaria, Czechoslovakia, East Germany, Egypt, Poland, Soviet Union, Syria.



SW-11 (Kfz 92)

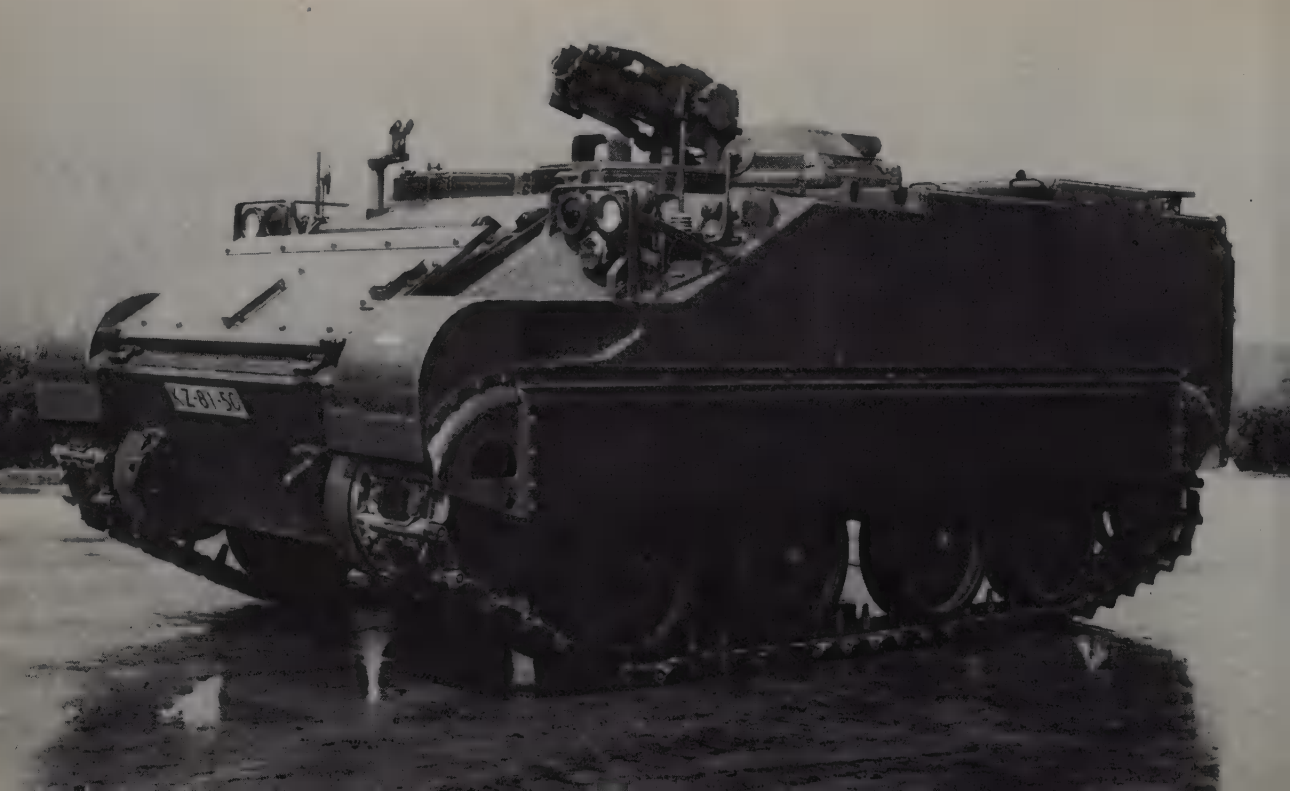
SWITZERLAND

ARMOURED CAR

Armament: 1 × 20 mm gun
6 smoke dischargers
Length: 17 ft 9 in (5.40 m)
Width: 7 ft 6 in (2.29 m)
Height: 7 ft 7 in (2.30 m)
Weight, combat: 17 600 lb (7 980 kg)
Speed: 50 mph (80 kmph)
Engine: Chrysler R-319, 161 hp. Petrol
Crew: 4

Notes/variants: This vehicle is a 4 × 4, not amphibious and not fitted with a NBC system or infra-red equipment. Full designation of the SW-11 is Geschützter Sonderwagen. The prototype was built in Switzerland as the MOWAG MR 8-01 but production was largely in Germany. The SW-1 has a small cupola and is used as a APC (7 men).

Status: Production complete. In service with the German Federal Border Police.



LYNX (M-113 C & R)
USA

RECONNAISSANCE VEHICLE

Armament: 1 × 12.7 mm machine gun

1 × 7.62 mm machine gun

2 × 3 smoke dischargers

Length: 15 ft 1 in (4.60 m)

Width: 7 ft 11 in (2.41 m)

Height inc. MG: 7 ft 1½ in (2.18 m)

Weight, combat: 19 340 lb (8 775 kg)

Speed, road: 44 mph (70 kmph)

Range (cruising): 325 miles (522 km)

Engine: GMC 6V53, 215 hp. Diesel

Crew: 3 (commander, observer, driver)

Notes/variants: Developed from the M-113 APC. The Lynx is also known as the M-113 Command and Reconnaissance Vehicle, or the M-113½. It is fully amphibious, water speed being 3.5 mph (5.6 kmph); it is also fitted with infra-red driving equipment. Various other types of armament could be fitted.

Status: Production completed by FMC of San Jose, California. In service with Canada and the Netherlands.

LYNX COMMAND AND RECONNAISSANCE VEHICLE

Royal Netherlands Army



M-114A1
USA

COMMAND AND RECONNAISSANCE VEHICLE

Armament: 1 × 12.7 mm machine gun

1 or 2 × 7.62 mm machine guns

Length: 14 ft 7¾ in (4.46 m)

Width: 7 ft 7¾ in (2.33 m)

Height inc. MG: 7 ft 0⅞ in (2.16 m)

Weight, combat: 15 276 lb (6 930 kg)

Speed, road: 36 mph (58 kmph)

Range: 275 miles (442 km)

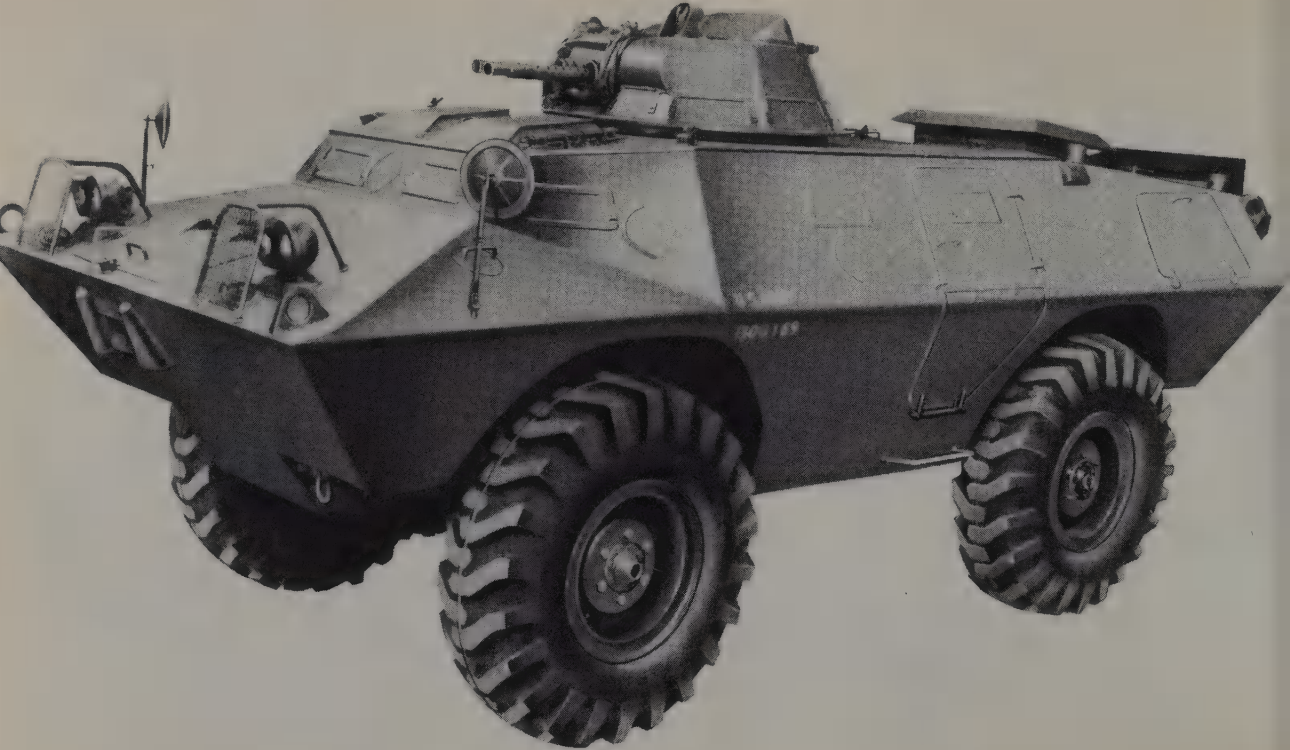
Engine: Chevrolet 283-V8, 160 hp at 4 600 rpm. Petrol

Crew: 3 (commander, gunner, driver)

Notes/variants: Full designation is Carrier, Command and Reconnaissance. Earlier vehicle was the M-114. M-114A1 is, like the M-114, fully amphibious, water speed being 4 mph (6.4 kmph). It can also be fitted with a 20 mm cannon in place of the 12.7 mm machine-gun. Fitted with infra-red driving lights.

Status: Production completed by General Motors Corporation (Cadillac Motor Car Division). In service with South Vietnam and the United States.

M-114A1 COMMAND AND RECONNAISSANCE VEHICLE
United States Army



COMMANDO V-100 USA

ARMoured CAR/APC

Armament: 2 × 7.62 mm machine guns or
1 × 7.62 mm and
1 × 12.7 mm machine guns. Various other combinations are available.

Length: 18 ft 8 in (5.69 m)

Width: 7 ft 5 in (2.26 m)

Height inc. turret: 8 ft 0 in (2.44 m)

Weight, combat: 16 250 lb (7 370 kg)

Speed, road: 62 mph (100 kmph)

Range: 425/600 miles (680/960 km)

Engine: Chrysler 361, 191 hp. Petrol

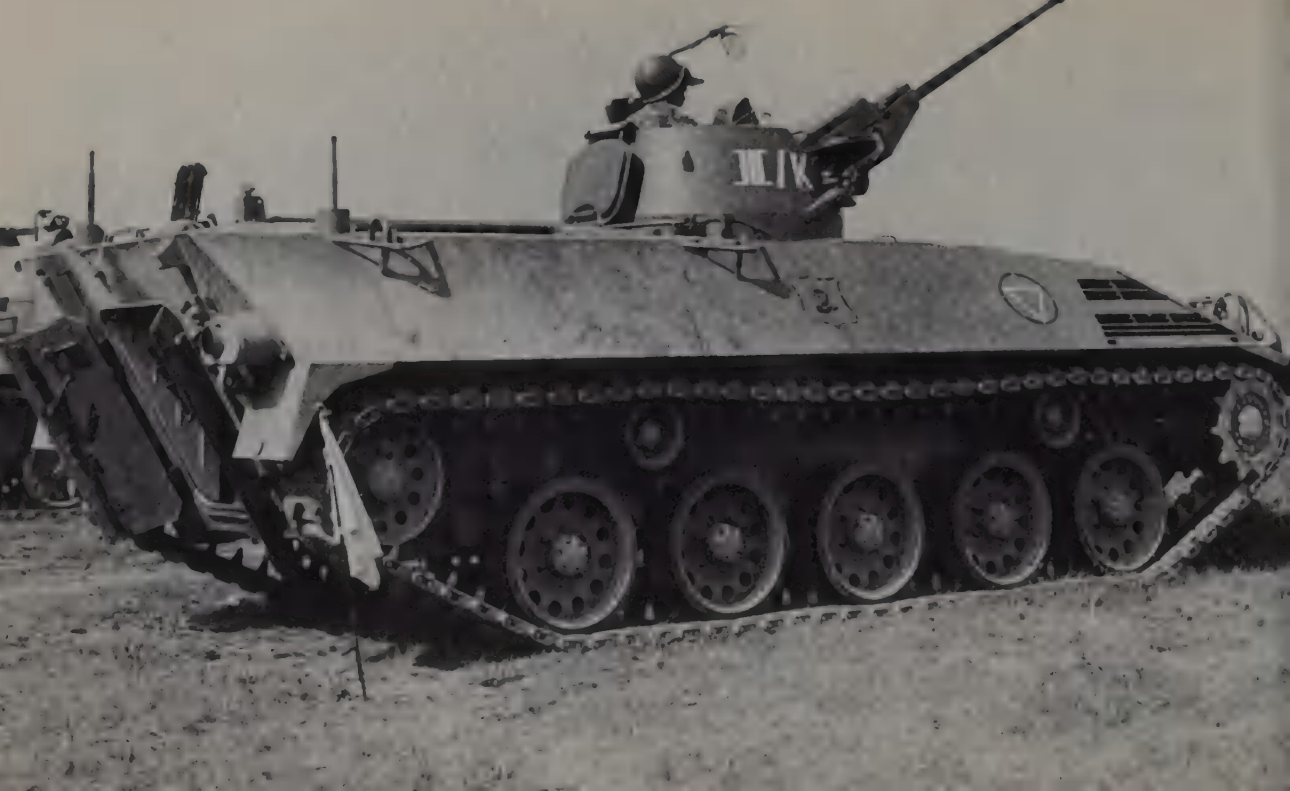
Crew: 12 men (when being used as APC)

Notes/variants: The Commando V-100 is fully amphibious, water speed being 3.4 mph (5.5 kmph); it is not fitted with ■ NBC system. It can be fitted with a wide range of armament systems up to 90 mm calibre. Kits are available to enable it to be used as a recovery vehicle, rescue vehicle and so on. Can also be used as APC. Later models are the V-150 and the V-200.

Status: In production by the Cadillac Gage Company of Michigan. In service with Bolivia, Lebanon, Muscat and Oman, Singapore, Somalia, Sudan, South Vietnam, United States.

V-100 COMMANDO WITH TWIN 7.62 mm MACHINE GUNS

Cadillac Gage Company



**SAURER 4K4FA
AUSTRIA**

ARMoured PERSONNEL CARRIER

Armament: 1 × 12.7 mm machine gun
Length: 17 ft 8 in (5.40 m)
Width: 8 ft 3 in (2.50 m)
Height inc. MG: 6 ft 11 in (2.10 m)
Weight: 27 560 lb (12 500 kg)
Speed, road: 38 mph (62 kmph)
Range: 230 miles (370 km)
Engine: Saurer 4FA, 250 hp at 2 400 rpm. Diesel
Crew: 10 (commander, driver, 8 infantry)

Notes/variants: Various models have been built since 1961, the latest model being the 4K4FA-G which has a turret mounted 20 mm gun. Other versions in service include ambulances, command vehicle, fire control vehicle and radio vehicles. The 4K4FA is not amphibious. A modified version of this chassis is used for the 4KH6FA tank destroyer.

Status: Production completed by Saurer-Werke of Vienna (now Steyr). In service only with the Austrian Army.



SKOT-2A(OT-64)
CZECHOSLOVAKIA

ARMoured PERSONNEL CARRIER

Armament: 1 × 14.5 mm turret mounted machine gun

1 × 7.62 mm machine gun in same turret as above

Length: 24 ft 5 in (7.44 m)

Width: 8 ft 4 in (2.55 m)

Height: 8 ft 11 in (2.71 m)

Weight, combat: 28 220 lb (12 800 kg)

Speed, road: 59 mph (95 kmph)

Range: 460 miles (740 km)

Engine: TATRA T-928-14, 180 hp at 2 000 rpm. Diesel

Crew: 20 (total)

Notes/variants: The SKOT-2A(OT-64) is an 8 × 8

vehicle, fully amphibious, water speed being 5.5 mph (8.8 kmph). There are four versions of the basic vehicle:

Model 1 No turret but with a 7.62 mm machine-gun

Model 2 As above but with shield for machine-gun

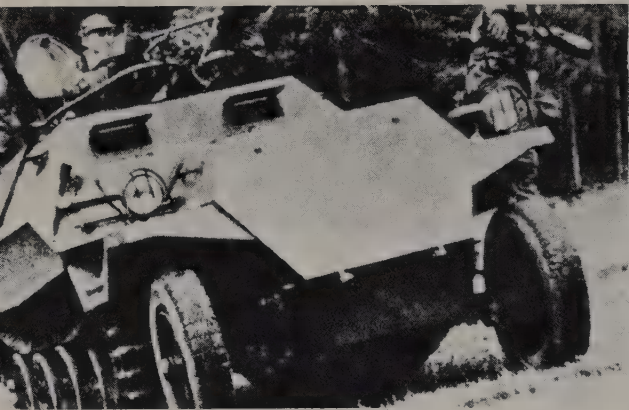
Model 3 Details above (Czechoslovakia designation = SKOT-2A)

Model 4 New turret, same armament as Model 3 (= SKOT-2AP)

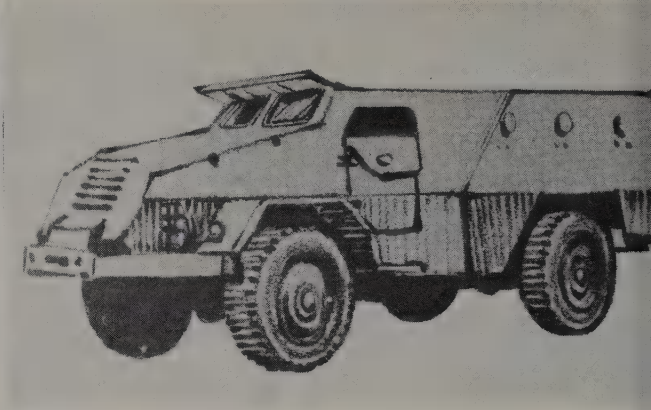
Status: Believed to be still in production. In service with Czechoslovakia, Egypt, Hungary, India, Morocco, Poland, Sudan, Syria and Uganda.

SKOT-2A(OT-64 or Model 3) ARMoured PERSONNEL
CARRIER

Indian Army



OT-810 ARMoured PERSONNEL CARRIER



WALID

Israeli Army

OT-810

ARMoured PERSONNEL CARRIER CZECHOSLOVAKIA

Armament: 1 × 7.62 mm machine gun

Length: 19 ft 0 in (5.80 m)

Width: 6 ft 11 in (2.10 m)

Height without MG: 5 ft 9 in (1.75 m)

Weight, combat: 18 740 lb (8 500 kg)

Speed, road: 31 mph (50 kmph)

Range, road: 186 miles (300 km)

Engine: TATRA 912-2, 110 hp at 2 200 rpm. Diesel

Crew: 2 + 10 (commander, driver, 10 infantry)

Notes/variants: After the 2nd World War the Czechoslovakian Army used a number of German Sd Kfz 251/1 half-tracks. They then built their own model of the Sd Kfz 251/1. The first models did not have overhead armour, later models did. Also used as a cargo carrier and for towing light artillery including recoilless rifles.

Status: Production complete. In service with the Czechoslovakian Army.

WALID

ARMoured PERSONNEL CARRIER EGYPT

The Walid 4 × 4 Armoured Personnel Carrier was built in Egypt and powered by a German Deutz engine; it weighs approx. 13 000 lb (5 900 kg). It is used by Algeria, Egypt, Israel, Palestinian Liberation Army, Yemen.



MECHANIZED INFANTRY COMBAT VEHICLE

Armament: 1 × 20 mm gun

1 × 7.62 mm machine gun

4 smoke dischargers

Length: 19 ft 2 in (5.84 m)

Width: 9 ft 1 in (2.78 m)

Height overall: 8 ft 4 in (2.54 m)

Weight, combat: 30 400 lb (13 800 kg)

Speed, road: 40 mph (65 kmph)

Range: 373 miles (600 km)

Engine: HS 115 Hispano-Suiza, 276 hp at 3 000 rpm.

Diesel

Crew: 2 + 9 (commander, driver, 9 men)

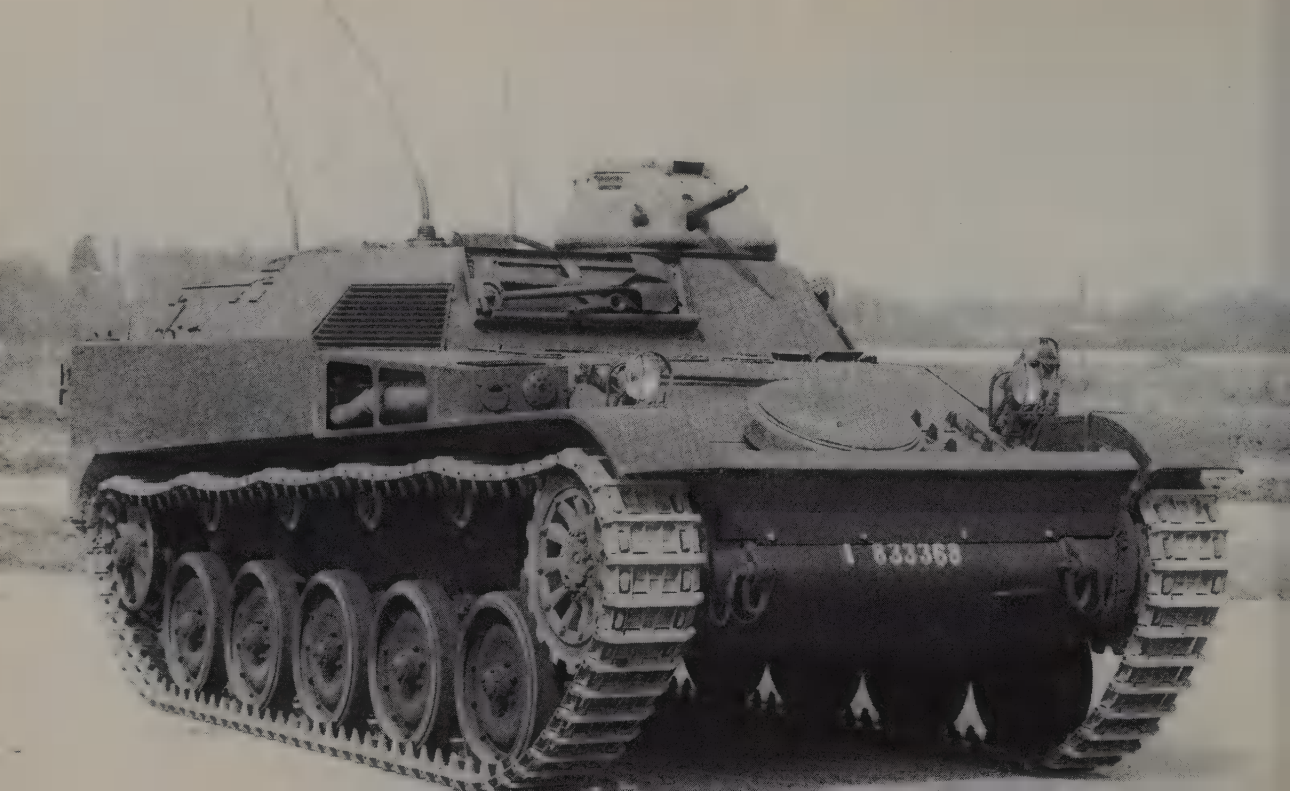
AMX 10P FRANCE

Notes/variants: Developed to replace the AMX VCI. The AMX 10P is fully amphibious, water speed being 4 mph (6.4 kmph); it is also fitted with a NBC system and passive night driving and fighting equipment. Other variants in service include the AMX 10TM mortar towing vehicle and the AMX 10PC command vehicle. Many other variants are under development including the AMX 10RC 6 × 6 vehicle with a 105 mm gun, AMX 10P with Milan ATGW, AMX 10D recovery vehicle and AMX 10C with 105 mm gun.

Status: In production. In service with the French Army.

AMX 10P MECHANIZED INFANTRY COMBAT VEHICLE

Christopher F Foss



AMX VCI
FRANCE

INFANTRY COMBAT VEHICLE

Armament: 1 × 7.5 mm or 7.62 mm machine gun (turret) or 1 × 12.7 mm machine gun on ring mount

Length: 18 ft 8 in (5.70 m)

Width: 8 ft 10 in (2.70 m)

Height (turret): 7 ft 10 in (2.40 m)

Weight, combat: 30 860 lb (14 000 kg)

Speed, road: 37 mph (60 kmph)

Range: 220 miles (350 km)

Engine: SOFAM 8 Gxb, 250 hp at 3 200 rpm. Petrol

Crew: 12 (commander, driver, 10 infantry)

Notes/variants: The AMX VCI is fitted with a NBC system and infra-red driving equipment; it is not

amphibious. Can be seen with or without the turret. The basic vehicle can be used as a command vehicle, ambulance or cargo carrier. Other variants include:

Engineer Combat Vehicle

Battery Command Post

81 mm or 120 mm mortar carrier

ENTAC missile launching vehicle

Dozer vehicle

Support vehicle for 155 mm SPG

Status: Production to order by Creusot-Loire. In service with Belgium, France, Italy and the Netherlands.

AMX VCI INFANTRY COMBAT VEHICLE USED IN
COMMAND ROLE

Direction Technique des Armements Terrestres



ARMoured PERSONNEL CARRIER

Armament: Various combinations of 7.62 and 12.7 mm machine guns, 20 mm cannon, 90 mm gun, smoke dischargers

Length: 19 ft 8 in (5.99 m)

Width: 8 ft 2 in (2.50 m)

Height without armament: 6 ft 9 in (2.05 m)

Weight, combat: 34 171 lb (15 500 kg)

Range, road: 466 miles (750 km)

Speed, road: 53 mph (85 kmph)

Engine: Berliet V-8, 170 hp at 3 000 rpm. Diesel

Crew: 12

BERLIET VXB-170 FRANCE

Notes/variants: The VXB is fully amphibious, water speed being 2.5 mph (4 kmph); it can also be fitted with a NBC system. There are the following versions of the vehicle:

VXB-170 VTT Armoured Personnel Carrier

VXB-170 VRL Light Reconnaissance Vehicle

VXB-170 VLC Light Combat Vehicle

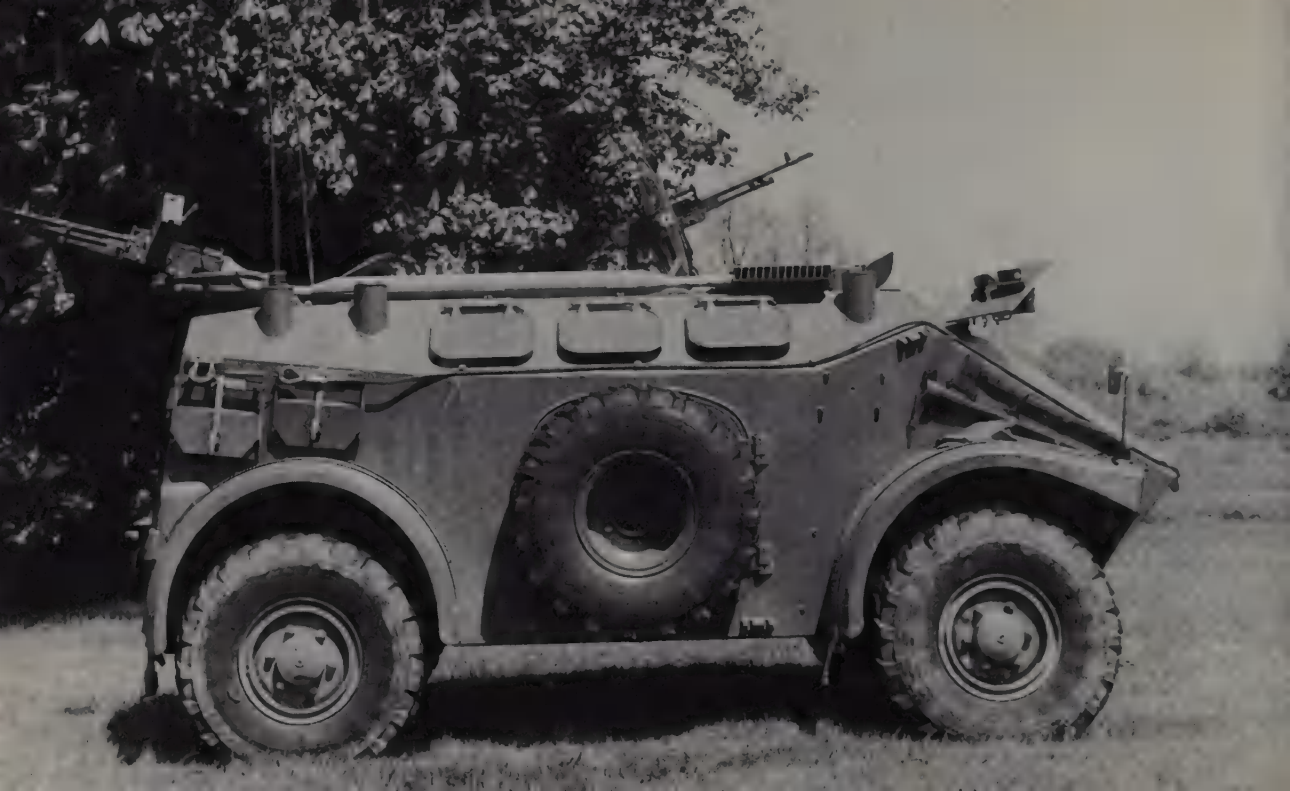
VXB-170 Anti-Riot Vehicle (with clearing blade)

Other roles could include command post, cargo, ambulance, anti-tank etc.

Status: In production by Berliet for the French Gendarmerie.

BERLIET VXB-170 ARMoured PERSONNEL CARRIER

Christopher F Foss



PANHARD M-3 FRANCE

ARMoured PERSONNEL CARRIER

Armament: Various combinations of 7.62 mm and 12.7 mm machine guns, 20 mm cannon and smoke dischargers can be fitted.

Length: 14 ft 4½ in (4.38 m)

Width: 7 ft 10 in (2.40 m)

Height without armament: 6 ft 3 in (1.90 m)

Weight, combat: 12 800 lb (5 800 kg)

Speed, road: 62 mph (100 kmph)

Range, road: 620 miles (1 000 km)

Engine: Panhard 4HD, 90 hp at 4 300 rpm. Petrol

Crew: 12 (commander, driver, 10 men)

Notes/variants: Uses many components of the Panhard AML series of armoured cars. The M-3 is fully amphibious, being propelled in the water by its wheels at a speed of 2.4 mph (4.2 kmph). It can be fitted with infra-red equipment. The vehicle can be used in a variety of roles including command vehicle, radio vehicle, ambulance, load carrier and repair vehicle.

Status: In production, built by Panhard and Levassor of Paris, France. In service with Congo, France, Kenya, Lebanon, Malaysia, Republic of Ireland, Saudi Arabia.

PANHARD M-3 ARMoured PERSONNEL CARRIER

Panhard and Levassor



MARDER
GERMANY

MECHANIZED INFANTRY COMBAT VEHICLE

Armament: 1 × 20 mm gun

1 × 7.62 mm machine gun co-axial with 20 mm gun

1 × 7.62 mm machine gun at rear

6 smoke dischargers

Length: 22 ft 3 in (6.79 m)

Width: 10 ft 8 in (3.24 m)

Height overall: 9 ft 8 in (2.95 m)

Weight, combat: 62 170 lb (28 200 kg)

Speed: 47 mph (75 kmph)

Range: 325 miles (520 km)

Engine: MB 833, 600 hp at 2 200 rpm. Multi-fuel

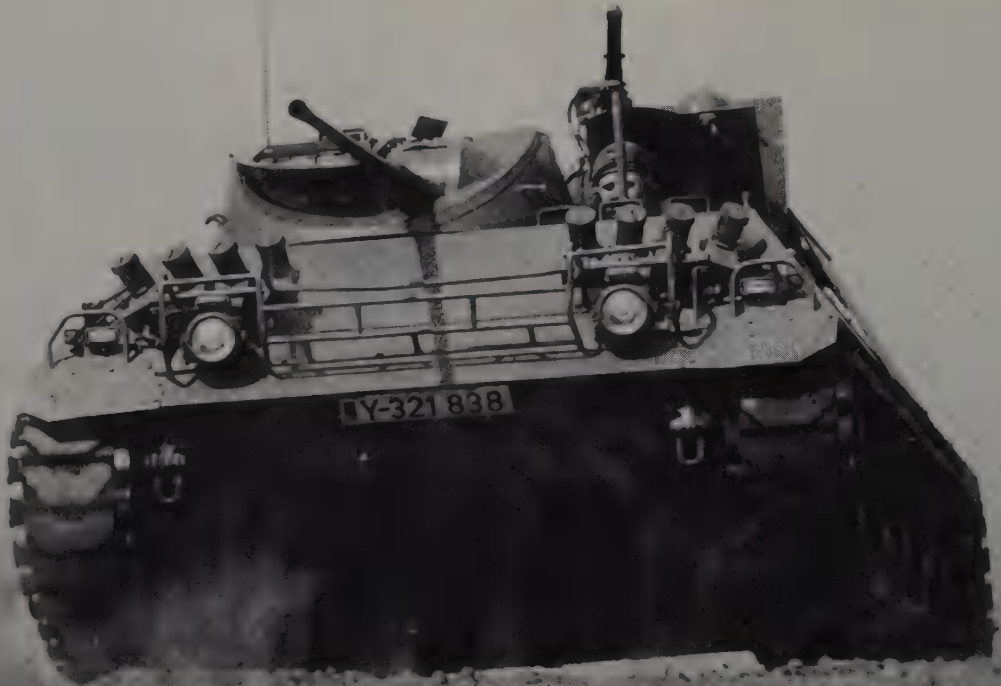
Crew: 10 (commander, driver, 2 gunners, 6 infantry)

Notes/variants: Uses components of the Kanone and Rakete. Has NBC system and infra-red driving and fighting equipment. It can be fitted with a schnorkel for deep fording; under development is an amphibious kit. There is also a model armed with a 120 mm mortar and various other models are under test including the Roland anti-aircraft missile vehicle.

Status: In production by Rhein Stahl and Atlas Mak. In service with the German Army.

MARDER MECHANIZED INFANTRY COMBAT VEHICLE

Bundesministerium der Verteidigung



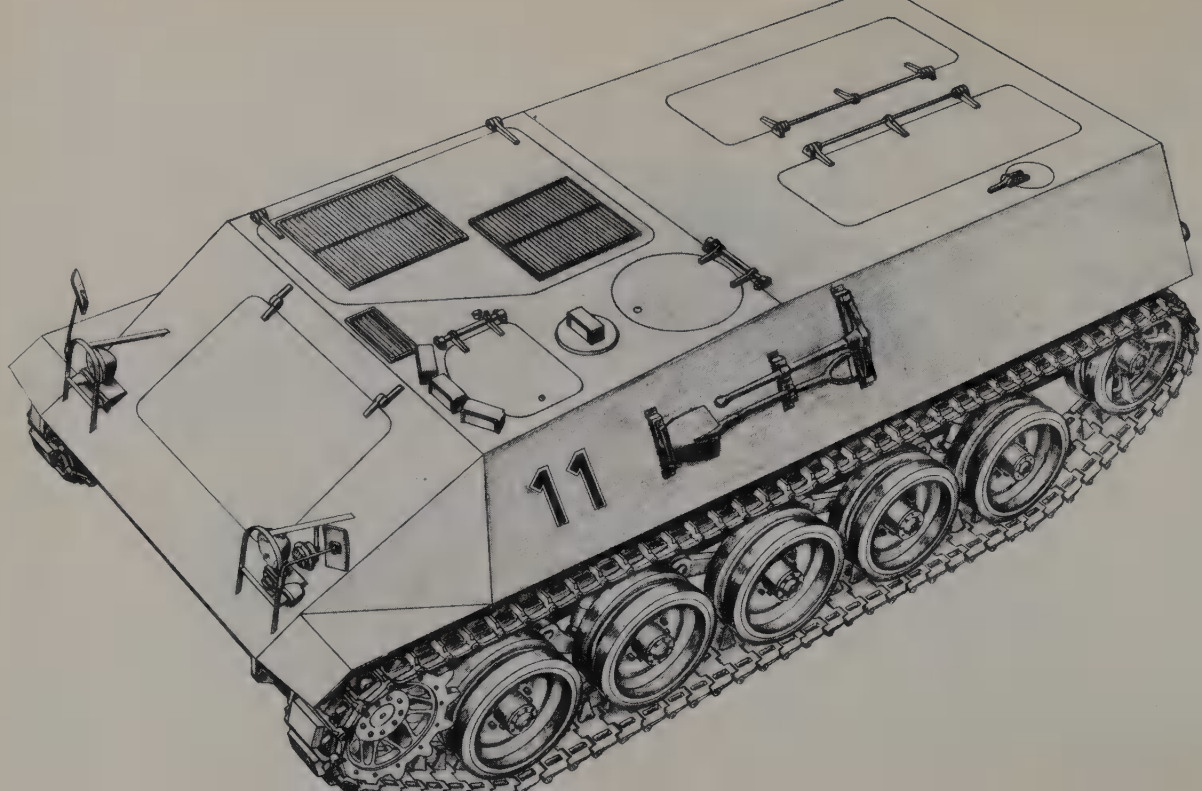
Y-321 838

ARMoured PERSONNEL CARRIER

Armament: 1 × 20 mm cannon
1 × 7.62 mm machine gun (optional)
2 × 4 smoke dischargers
Length overall: 20 ft 8 in (6.30 m)
Length: 18 ft 3 in (5.56 m)
Width: 8 ft 4 in (2.55 m)
Height overall: 6 ft 1 in (1.85 m)
Weight, combat: 32 704 lb (14 840 kg)
Speed, road: 36 mph (58 kmph)
Range, road: 218 miles (350 km)
Engine: Rolls-Royce B81 Mk 80F, 235 bhp at 3 800 rpm. Petrol

SPZ 12-3
GERMANY

Crew: 8 (commander, driver, 6 infantry)
Notes/variants: The SPZ 12-3 is not amphibious. There are many variants in service including the following:
SPZ 81-3 Artillery Command Vehicle
SPZ 21-3 Command and radio vehicle
SPZ 52-3 Fitted with 120 mm mortar
SPZ 51-3 Fitted with 81 mm mortar
JPZ 3-3 Fitted with two launchers for SS-11 ATGW
SPZ 12-3 Fitted with 106 mm recoilless rifle
SPZ 12-3 Fitted with TOW missile system
Status: Production has been completed (prototypes built in Switzerland, production undertaken in Germany and Great Britain). In service only with the German Army.



HW-K 11
GERMANY

ARMOURED PERSONNEL CARRIER

Armament: 1 × 7.62 mm machine gun

Length: 16 ft 7 in (5.05 m)

Width: 8 ft 4 in (2.53 m)

Height (hull top): 5 ft 2 in (1.585 m)

Weight, combat: 24 250 lb (11 000 kg)

Speed, road: 40 mph (65 kmph)

Range, road: 198 miles (320 km)

Engine: Chrysler 361 B, 211 hp at 4 000 rpm. Petrol

Crew: 2+10 (commander, driver, 10 infantry)

Notes/variants: The HW-K 11 is not amphibious and is not fitted with a NBC system. There are no other variants in service although a whole series was projected: HW-K 10, 12, 13, 14, 15 and 16.

Status: Production completed by Henschel. In service with Mexico.

HW-K 11 ARMOURED PERSONNEL CARRIER

Rheinstahl



ARMoured PERSONNEL CARRIER

Armament: 1 × 7.62 mm machine gun
2 × 3 smoke dischargers
Length: 16 ft 11 in (5.16 m)
Width overall: 9 ft 2 in (2.80 m)
Height without MG: 7 ft 2 in (2.19 m)
Weight, combat: 33 700 lb (15 280 kg)
Speed, road: 32.5 mph (52 kmph)
Range, road: 360 miles (580 km)
Engine: Rolls-Royce K-60, 240 bhp at 3 750 rpm.
Multi-fuel
Crew: 12 (commander, driver, 10 men)
Notes/variants: Amphibious with preparation, fitted with

FV 432 GREAT BRITAIN

a NBC pack and has infra-red driving lights. Abbot SPG has similar suspension, engine and other components. Basic vehicle can be used in the following roles: mortar, command, recovery, Wombat, load carrier, minelayer, ambulance, radar, Carl Gustav, artillery control, navigation. Special variants are the FV 434 Maintenance/Recovery vehicle, FV 436 Mortar Locating Radar vehicle, FV 438 Swingfire ATGW vehicle and the FV 439 Signals vehicle.

Status: Production completed by GKN Sankey Ltd. In service only with the British Army.



FV 603 SARACEN GREAT BRITAIN

ARMoured PERSONNEL CARRIER

Armament: 1 × 7.62 mm machine gun (turret mounted)
1 × 7.62 mm machine gun (ring mount)
2 × 3 smoke dischargers
Length: 15 ft 11 in (4.85 m)
Width: 8 ft 4 in (2.54 m)
Height inc. turret: 8 ft 1 in (2.46 m)
Weight, combat: 22 400 lb (10 170 kg)
Speed, road: 45 mph (72 kmph)
Range: 250 miles (400 km)
Engine: Rolls-Royce B80, 170 bhp at 3 750 rpm. Petrol
Crew: 12 (commander, driver, 10 infantry)

Notes/variants: Uses some of the components of the FV 601 Saladin Armoured Car. The Saracen is not amphibious and does not have infra-red driving or fighting equipment; no NBC equipment is fitted. Variants include the FV 604 Command Vehicle, FV 610 Command Vehicle, Desert Saracen with no roof and Saracen with reverse flow cooling for operation in hot climates.

Status: Built by Alvis Ltd, production has now been completed. In service with Abu Dhabi, Brunei, Great Britain, Hong Kong, Indonesia, Jordan, Kuwait, Libya, Nigeria, Qatar, South Africa, Sudan, Thailand, Uganda.

FV 603 ALVIS SARACEN ARMoured PERSONNEL
CARRIER

Alvis Ltd



ARMoured PERSONNEL CARRIER

Armament: Nil

Length: 16 ft 2 in (4.92 m)

Width: 6 ft 8½ in (2.05 m)

Height: 6 ft 11½ in (2.12 m)

Weight, combat: 12 768 lb (5 791 kg)

Speed: 40 mph (64 kmph)

Range: 250 miles (400 km)

Engine: Rolls-Royce B60 Mk.5A, 120 hp at 3 750 rpm.
Petrol

Crew: 2 + 6 (driver, commander, 6 infantry)

FV 1611 HUMBER GREAT BRITAIN

Notes/variants: The FV 1611 is used as a APC, load carrier and towing vehicle, the FV 1612 is a radio vehicle and the FV 1613 an ambulance. None of them is amphibious, nor are they fitted with infra-red equipment or a NBC system. The Hornet/Malkara vehicle has been withdrawn from service. The FV 1611 is based on a Humber 4 × 4 chassis. Various earlier armoured and un-armoured versions exist.

Status: Production completed. In service with the British Army.



TYPE 70
JAPAN

INFANTRY COMBAT VEHICLE

Armament: 1 × 12.7 mm machine gun (turret mounted)

1 × 7.62 mm machine gun (bow)

2 × 3 smoke dischargers (turret)

Length: 18 ft 4 in (5.60 m)

Width: 9 ft 2 in (2.80 m)

Height without MG: 5 ft 7 in (1.70 m)

Weight, combat: 29 760 lb (13 500 kg)

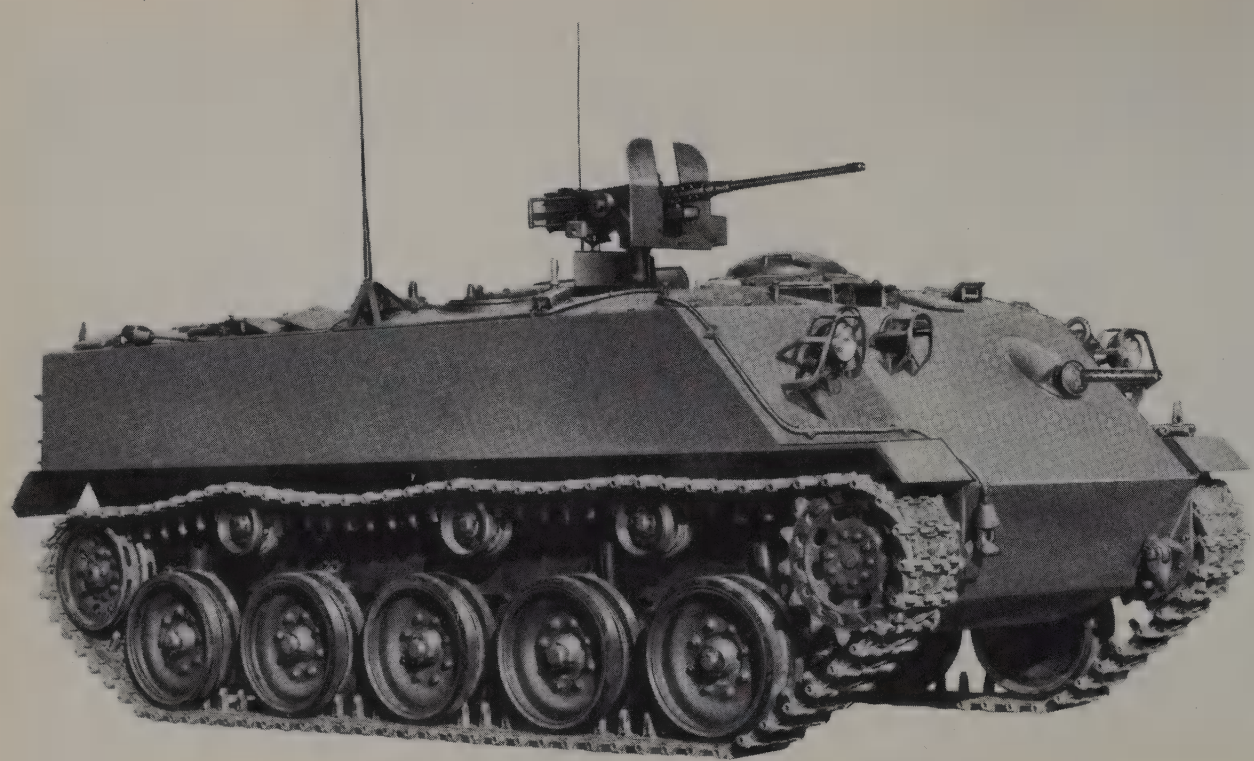
Speed, road: 37 mph (60 kmph)

Engine: Mitsubishi, 300 hp at 2 200 rpm. Diesel

Crew: 12 (commander, driver, 10 men)

Notes/variants: The Type 70 infantry combat vehicle is fully amphibious and is fitted with a NBC system and infra-red driving and fighting equipment. There is also a model with a simple machine-gun and shield in place of the turret; in this model the smoke dischargers are at the rear of the vehicle. It has also been seen fitted with firing ports.

Status: Reported to be in the early stages of production by Mitsubishi.



TYPE 60
JAPAN

ARMoured PERSONNEL CARRIER

Armament: 1 × 12.7 mm machine gun
1 × 7.62 mm machine gun (bow mounted)
Length: 15 ft 11 in (4.85 m)
Width: 7 ft 11 in (2.40 m)
Height inc. MG: 7 ft 7 in (2.31 m)
Weight, combat: 26 000 lb (11 800 kg)
Speed: 28 mph (45 kmph)
Range: 142 miles (230 km)
Engine: Mitsubishi 8 HA-21, 220 hp at 2 400 rpm.

Diesel

Crew: 2 + 8 (commander, driver, 8 infantry)

Notes/variants: The Type 60 is not amphibious and not fitted with infra-red equipment; as far as is known it is not fitted with a NBC system. Other variants in service are an 81 mm mortar and a 107 mm mortar carrier.

Status: Production completed by Mitsubishi. In service with the Japanese Self Defence Force (Army).



ARMoured PERSONNEL CARRIER

Armament: 1 × 12.7 mm machine gun
Length: 20 ft 0 in (6.10 m)
Width: 7 ft 10½ in (2.40 m)
Height inc. MG: 7 ft 10 in (2.38 m)
Weight, combat: 24 260 lb (11 000 kg)
Speed, road: 53 mph (85 kmph)
Range, road: 310 miles (500 km)
Engine: DAF DS 575, 165 hp at 2 400 rpm. Diesel
Crew: 2 + 10 (commander, driver, 10 infantry)
Notes/variants: The DAF YP-408 is an 8 × 6 vehicle

YP-408 NETHERLANDS

and is fitted with infra-red driving equipment; it is not amphibious. The basic vehicle is designated PWI-S; other variants are:

PWI-S(PC) and PWCO Command vehicles
PW-GWT Ambulance
PW-V Cargo vehicle
PW-MT Mortar towing vehicle

Status: Production completed by DAF. In service only with the Netherlands Army.



BMP-76PB

MECHANIZED INFANTRY COMBAT VEHICLE SOVIET UNION

Armament: 1 × 76 mm gun

1 × 7.62 mm co-axial machine gun

1 × Sagger ATGW launcher

Length: 20 ft 8 in (6.30 m)

Width: 10 ft 0 in (3.05 m)

Height: 6 ft 0 in (1.83 m)

Weight, combat: 22 000 lb (10 000 kg)

Speed: 37 mph (60 kmph)

Range: 300 miles (480 km)

Engine: 280 hp. Diesel

Crew: 3 + 8 (commander, gunner, driver, 8 infantry)

Notes/variants: Based on PT-76 components. The

BMP-76PB is fully amphibious, water speed being 3.7 mph (6 kmph), and fitted with a full range of

infra-red driving and fighting aids. Variants in service include a command vehicle and one with a much smaller gun.

Status: In production and in service with Poland and the Soviet Union, Egypt and Syria.

M-1970

ARMoured PERSONNEL CARRIER

SOVIET UNION

This entered service in 1971/72 and is based on the BMP-76PB chassis; it has a loaded weight of 22 046 lb (10 000 kg) and a road speed of 31 mph (50 kmph). It has a cupola mounted MG and is amphibious. Firing ports are fitted. It can be used as a command vehicle, load carrier and for towing artillery, and is also being used as an APC.



ARMoured PERSONNEL CARRIER

Armament: 1 × 7.62 mm machine gun
Length: 23 ft 8 in (7.20 m)
Width: 9 ft 3 in (2.80 m)
Height: 7 ft 6 in (2.27 m)
Weight, combat: 22 000 lb (9 980 kg)
Speed: 44 mph (71 kmph)
Range: 310 miles (500 km)
Engine: 2 × GAZ-40P, 90 hp at 3 400 rpm. Petrol
Crew: 2 + 14 (driver, commander, 14 infantry)
Notes/variants: The BTR-60PK is an 8 × 8 vehicle, and

BTR-60PK SOVIET UNION

is fully amphibious, water speed being 5.6 mph (9 kmph). It is fitted with overhead armour and has infrared driving and fighting equipment. Other variants are:
BTR-60 The early vehicle with no roof
BTR-60PB The BTR-60PK but with a turret armed with a 14.5 mm and a 7.62 mm machine-gun.

Status: Production probably complete. In service with Bulgaria, Cuba, East Germany, Egypt, Libya, Mongolia, Poland, Romania, Soviet Union, Syria, Yugoslavia.

BTR-60PB ARMoured PERSONNEL CARRIER

Tass



ARMoured PERSONNEL CARRIER

Armament: 1 × 7.62 mm machine gun

Length: 22 ft 8 in (6.91 m)

Width: 10 ft 5 in (3.18 m)

Height without MG: 6 ft 5 in (1.97 m)

Weight, combat: 32 970 lb (14 500 kg)

Speed: 27 mph (44 kmph)

Range: 174 miles (280 km)

Engine: Model V-6, 240 hp at 1 800 rpm. Diesel

Crew: 2 + 20 (commander, driver and a maximum of 20 infantry)

Notes/variants: Based on the PT-76 chassis, BTR-50PK

BTR-50PK SOVIET UNION

is fully amphibious, water speed being 6.2 mph (10 kmph), and fitted with infra-red driving and fighting equipment, NBC system. Also built in Czechoslovakia as the OT-62 (three models, data similar to the above but the vehicle is faster on land and in the water). Variants of the BTR-50PK include the BTR-50P with no overhead armour and the BTR-50PU command vehicle (two models).

Status: Production complete. In service with Albania, Bulgaria, China, Czechoslovakia, East Germany, Egypt, Finland, Hungary, India, Iran, Poland, Romania, Somalia, Soviet Union, Syria, Yugoslavia.

BTR-50PK ARMoured PERSONNEL CARRIER

Finnish Army.



BTR-152VI ARMOURD PERSONNEL CARRIER

ARMoured PERSONNEL CARRIER

Armament: 1 × 7.62 mm machine gun

Length: 22 ft 5 in (6.83 m)

Width: 7 ft 7 in (2.32 m)

Height without MG: 6 ft 9 in (2.05 m)

Weight, combat: 20 000 lb (9 072 kg)

Speed, road: 40 mph (65 kmph)

Range: 400 miles (650 km)

Engine: ZIL-123, 110 hp at 3 660 rpm. Petrol

Crew: 2 + 17 (commander, driver, 17 infantry)

Notes/variants: Based on a truck chassis, no NBC system fitted, not amphibious, fitted with infra-red driving lights. The basic versions of the vehicle are all open-topped, being designated BTR-152, BTR-152VI,

BTR-152VI SOVIET UNION

BTR-152V2 and BTR-152V3. Other versions are:

BTR-152K With overhead armour

BTR-152U Command vehicle (higher roof)

BTR-152 (A/A) With twin 14.5 mm A/A machine-guns

BTR-152 ATGW With 3 anti-tank missiles

Status: Production complete. In service with Algeria, Bulgaria, Cambodia, China (also built in China as the Type 56), Congo, Cuba, Czechoslovakia, East Germany, Egypt, Guinea, Hungary, India, Indonesia, Iran, Israel, Mongolia, North Korea, North Yemen, Palestinian Liberation Army, Poland, Romania, Somalia, Soviet Union, Syria, Tanzania, Uganda.



ARMoured PERSONNEL CARRIER

Armament: 1 × 7.62 mm machine gun

Length: 16 ft 3 in (5.00 m)

Width: 6 ft 3 in (1.90 m)

Height: 5 ft 9 in (1.75 m)

Weight, combat: 11 680 lb (5 296 kg)

Speed, road: 50 mph (80 kmph)

Range: 400 miles (650 km)

Engine: GAZ-40, 80 hp at 3 400 rpm. Petrol

Crew: 2 + 8 (commander, driver, 8 infantry)

Notes/variants: Based on the GAZ-63 truck. The BTR-40 is not amphibious, not fitted with infra-red equipment, no NBC system. Variants are:

BTR-40 SOVIET UNION

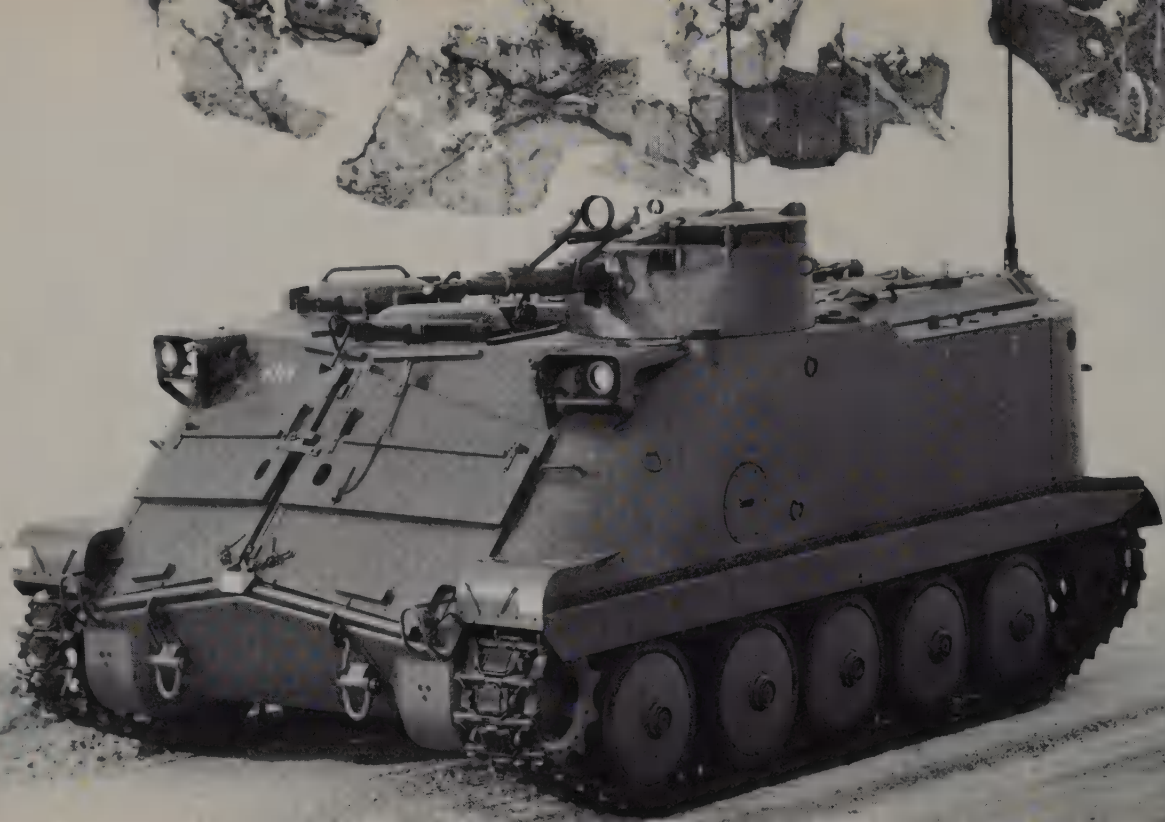
BTR-40K Has an armoured roof.

BTR-40 (A/A) Has twin 14.5 mm heavy machine guns

BTR-40kh A special chemical warfare reconnaissance vehicle

Status: Production complete. In service with Albania, Bulgaria, China (also built in China as the Type 55), Cuba, Czechoslovakia, East Germany, Egypt, Guinea, Hungary, Iran, Laos, Mali, North Korea, North Vietnam, North Yemen, Palestine Liberation Army, Poland, Romania, Somalia, Soviet Union, Sudan, Syria, Tanzania, Uganda, Yugoslavia.

BTR-40K ARMoured PERSONNEL CARRIER



**PBV 302
SWEDEN**

ARMoured PERSONNEL CARRIER

Armament: 1 × 20 mm cannon

2 × 3 smoke dischargers

Length: 17 ft 6½ in (5.35 m)

Width: 9 ft 4½ in (2.86 m)

Height overall: 8 ft 2 in (2.50 m)

Weight, combat: 29 760 lb (13 500 kg)

Speed, road: 41 mph (66 kmph)

Range: 186 miles (300 km)

Engine: Volvo THD 100B, 280 hp at 2 200 rpm. Diesel

Crew: 2 + 10 (commander, driver, 10 men)

Notes/variants: The Pbv 302 is fully amphibious, water speed being 4.5 mph (7.2 kmph); it is not fitted with a

NBC system and has infra-red driving lights. The basic vehicle can be used as a load carrier, ambulance or command post. Other variants are:

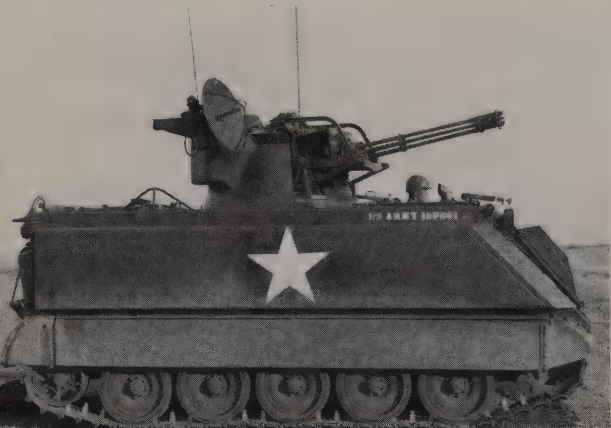
Epbv 3022 Armoured observation post vehicle

Bgbv 82 ARV using components of the Pbv 302

Brobv 941 Bridgelayers using components of the Pbv 302

Ikv 91 Light Tank/Tank Destroyer. See separate entry

Status: Production completed by Hägglund and Söner. In service with the Swedish Army. The older Pbv 301 APC has been phased out of service.



M-163 20 mm VULCAN ANTI-AIRCRAFT VEHICLE
General Electric Company



M-113 ARMoured PERSONNEL CARRIER *Canadian Armed Forces*

M-113A1
USA

ARMoured PERSONNEL CARRIER

Armament: 1 × 12.7 mm machine gun

Length: 15 ft 11½ in (4.86 m)

Width: 8 ft 9¾ in (2.69 m)

Height inc. MG: 8 ft 2¼ in (2.50 m)

Weight, combat: 24 080 lb (10 930 kg)

Speed, road: 42.5 mph (68.4 kmph)

Range: 305 miles (490 km)

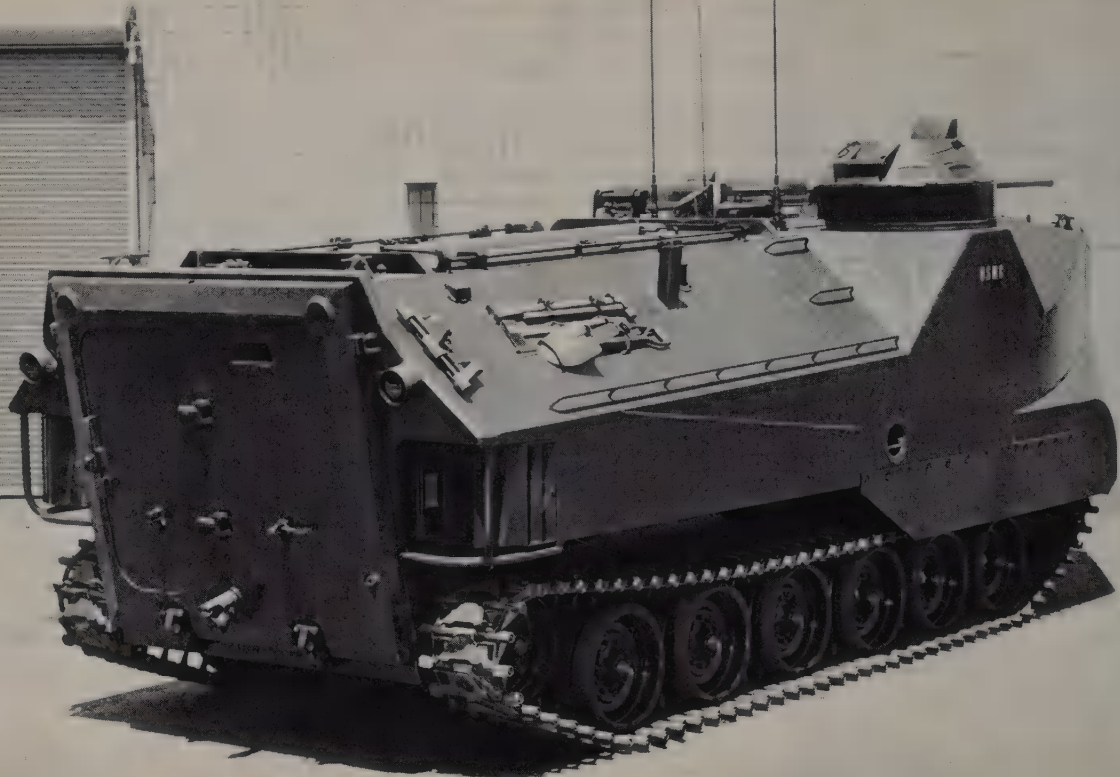
Engine: General Motors Corporation, 215 hp. Diesel

Crew: 2 + 10 (commander, driver, 10 infantry)

Notes/variants: The M-113A1 was developed from the earlier M-113 (petrol engine). The vehicle is fully amphibious, water speed being 3.6 mph (5.8 kmph), and is fitted with infra-red driving equipment. There are many variants of the vehicle in service. The basic

vehicle can also be used as a load carrier, recovery vehicle, ambulance etc. Other variants include:
M-106 and M-106A1 107 mm mortar vehicle
M-125 and M-125A1 81 mm mortar vehicle
M-132 and M-132A1 Flamethrower vehicle
M-577 and M-577A1 Command vehicle
M-163 20 mm Vulcan anti-aircraft system

Status: In production by FMC of San Jose, California. In service with Argentina, Australia, Bolivia, Cambodia, Canada, Chile, Denmark, Ecuador, Greece, Iran, Israel, Italy, Jordan, Laos, Lebanon, Libya, Netherlands, New Zealand, Norway, Pakistan, Philippines, South Korea, South Vietnam, Spain, Switzerland, Thailand, Turkey, United States of America, West Germany.



LVTP-7

USA

ARMoured PERSONNEL CARRIER

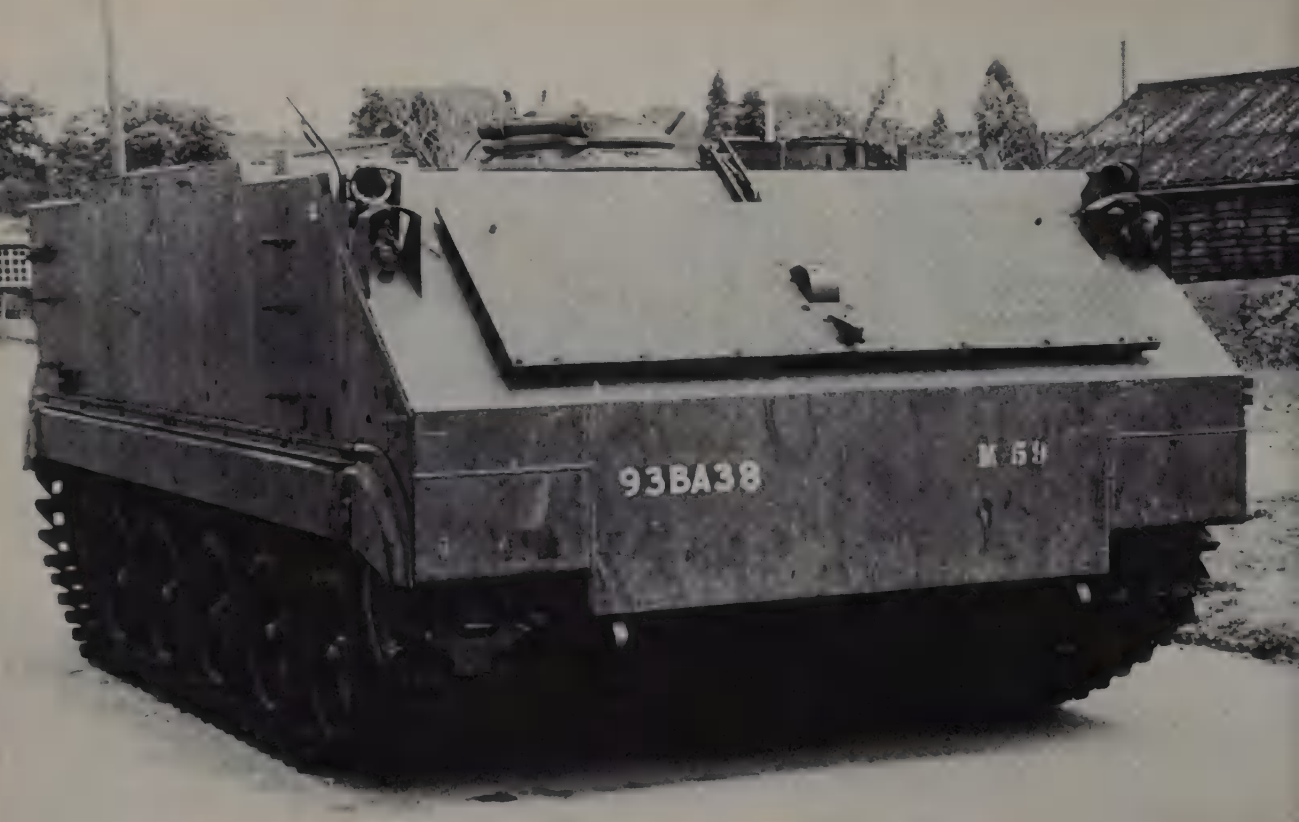
Armament: 1 × 12.7 mm machine gun
Length: 26 ft 0¾ in (7.94 m)
Width: 10 ft 8¼ in (3.26 m)
Height inc. cupola: 10 ft 2¾ in (3.18 m)
Weight, combat: 52 148 lb (23 655 kg)
Speed, road: 40 mph (64 kmph)
Range: 300 miles (480 km)
Engine: Detroit Diesel 8V53T, 400 hp at 2 800 rpm
Crew: 3 + 25 (commander, driver, gunner, 25 men)
Notes/variants: Fully amphibious without preparation,

water speed being 8.4 mph (13.5 kmph), and fitted with infra-red driving lights. LVTP-7 = Landing Vehicle, Tracked, Personnel, Model 7, can also be used as a load carrier or ambulance. Other variants are the LVTC-7 Command and Communications vehicle, LVTR-7 Recovery vehicle, LVTE-7 Mine Clearance vehicle (not in service) and the LVTHX-5 105 mm Support vehicle (not in service).

Status: In production by FMC of California. In service with the United States Marine Corps and on order for the Spanish Marines and Italy.

LVTP-7 (LANDING VEHICLE TRACKED PERSONNEL 7)

FMC Corporation



93BA38

159

M-59
USA

ARMoured PERSONNEL CARRIER

Armament: 1 × 12.7 mm machine gun
Length: 18 ft 5 in (5.61 m)
Width: 10 ft 8½ in (3.26 m)
Height without MG: 7 ft 10 in (2.39 m)
Weight, combat: 42 600 lb (19 320 kg)
Speed, road: 32 mph (51 kmph)
Range, road: 120 miles (193 km)
Engines: 2 × GM Model 302, 127 bhp at 3 350 rpm.

Petrol

Crew: 12 (commander, driver, 10 men)

Notes/variants: The M-59 is fully amphibious, water speed being 4.3 mph (6.9 km), and fitted with infra-red driving lights. Can also be used as an ambulance or load carrier. Mortar version (107 mm) designated M-84.

Status: Production complete. In service with Brazil, Lebanon and South Vietnam.



M-75

USA

ARMoured PERSONNEL CARRIER

Armament: 1 × 12.7 mm machine gun

Length: 17 ft 0½ in (5.19 m)

Width: 9 ft 4 in (2.84 m)

Height inc. MG: 9 ft 11¾ in (3.04 m)

Weight, combat: 41 500 lb (18 823 kg)

Speed: 44.5 mph (71 kmph)

Range: 115 miles (185 km)

Engine: Continental Model AO-895-4, 295 bhp at 2 660 rpm. Petrol

Crew: 12 (commander, driver, 10 infantry)

Notes/variants: The M-75 is not amphibious; it is fitted with infra-red driving equipment. There are no variants in service.

Status: Production complete. In service with Belgium.

M-75 ARMoured PERSONNEL CARRIER

United States Army



SELF-PROPELLED GUN (ANTI-TANK)

Armament: 1 × 105 mm gun

1 × 7.62 mm co-axial machine gun

2 × 3 smoke dischargers

Length overall: 25 ft 7 in (7.79 m)

Length: 18 ft 4 in (5.58 m)

Width: 8 ft 3 in (2.50 m)

Height: 7 ft 9 in (2.36 m)

Weight, combat: 37 480 lb (17 000 kg)

Speed: 40 mph (65 kmph)

Range: 330 miles (530 km)

PANZERJÄGER 'K' TYPE 4KH6FA AUSTRIA

Engine: Saurer 6FA, 300 hp. Diesel

Crew: 3 (commander, gunner, driver)

Notes/variants: This is a modified Saurer chassis on which has been mounted the French FL-12 turret as fitted to the AMX-13 and EBR Armoured Car. It is not amphibious, and no infra-red driving equipment is fitted.

Status: Early production is anticipated by Steyr, who took over Saurer-Werke in 1970.

PANZERJÄGER 'K' TYPE 4KH6FA

Austrian Army

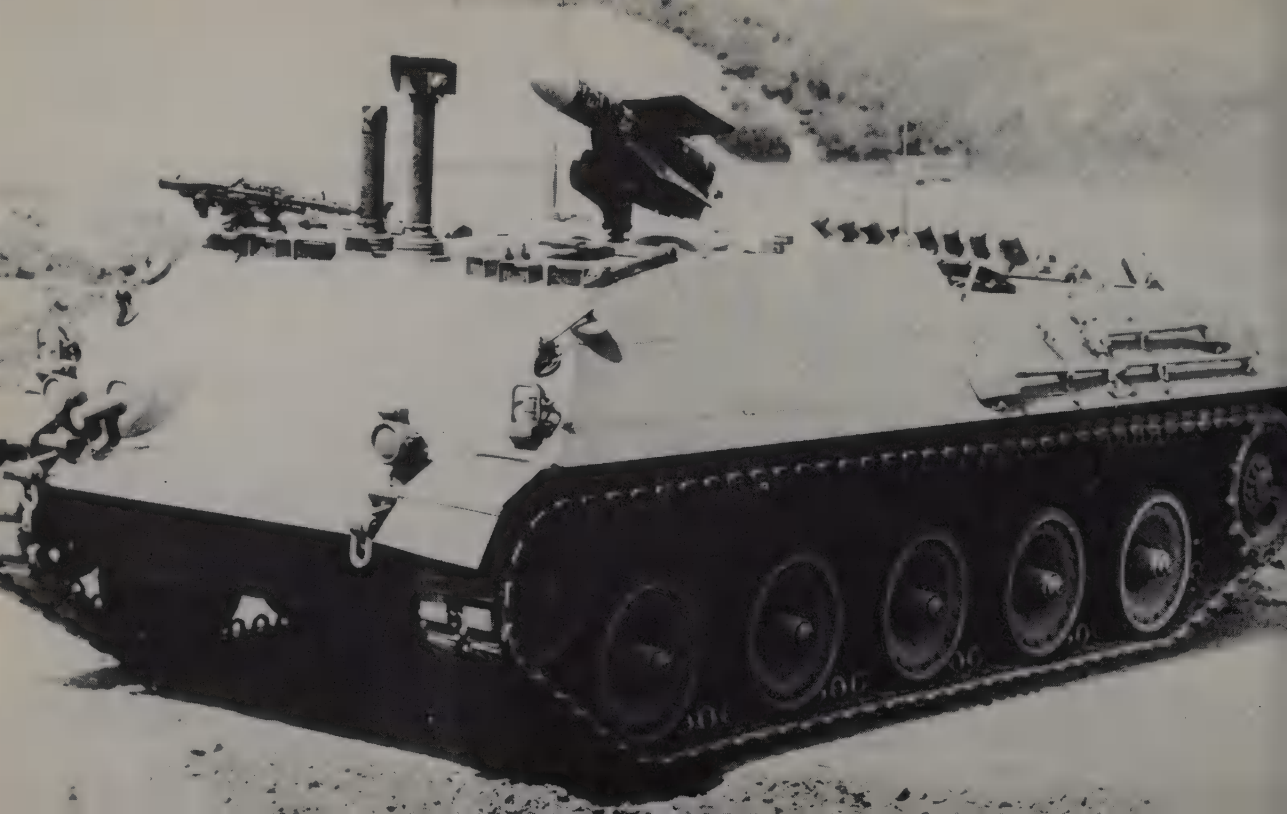


SELF-PROPELLED GUN (ANTI-TANK)

Armament: 1 × 90 mm gun
1 × 7.62 mm co-axial machine gun
1 × 7.62 mm anti-aircraft machine gun
8 smoke dischargers
Length overall: 28 ft 8 in (8.75 m)
Length: 20 ft 5 in (6.22 m)
Width: 9 ft 10 in (3.00 m)
Height: 6 ft 10 in (2.085 m)
Weight, combat: 56 660 lb (25 700 kg)
Speed, road: 44 mph (70 kmph)
Range: 248 miles (400 km)

JAGDPANZER KANONE GERMANY

Engine: Daimler-Benz, MB 837, 500 hp at 2 200 rpm.
Diesel
Crew: 4 (commander, gunner, loader driver)
Notes/variants: The Jagdpanzer Kanone (JPZ 4-5) uses components of the Marder and Jagdpanzer Rakete (M-1966); it is fitted with a NBC system, can be fitted with a schnorkel for deep fording and has an infra-red fighting light over the main gun.
Status: Production completed by Rhein Stahl, in service with the German Army. The vehicle is now being built in Belgium for the Belgian Army.



ANTI-TANK GUIDED WEAPONS VEHICLE

Armament: 2 launchers for SS-11 ATGW

1 × 7.62 mm machine gun on roof

1 × 7.62 mm machine gun in bow

8 smoke dischargers

Length: 21 ft 1 $\frac{3}{8}$ in (6.43 m)

Width: 9 ft 9 in (2.98 m)

Height inc. ATGW: 8 ft 6 in (2.60 m)

Weight, combat: 50 700 lb (23 000 kg)

Speed, road: 44 mph (70 kmph)

Range, road: 248 miles (400 km)

JAGDPANZER RAKETE M-1966 GERMANY

Engine: Daimler Benz 837, 500 hp at 2 200 rpm. Diesel
Crew: 4

Notes/variants: Has a similar chassis to the Jagdpanzer Kanone. The Jagdpanzer Rakete can be fitted with a schnorkel for deep fording and is fitted with a NBC system. Undergoing test is a Jagdpanzer Rakete fitted with the French/German HOT ATGW system.

Status: Production complete. In service with the German Army.

JAGDPANZER RAKETE M-1966

Rheinstahl Sonderfertigung



TYPE 60
JAPAN

ANTI-TANK VEHICLE

Armament: 2 × 106 mm recoilless rifles

1 × 12.7 mm spotting rifle

Length: 14 ft 1 in (4.30 m)

Width: 7 ft 4 in (2.23 m)

Height: 4 ft 6 in (1.38 m)

Weight, combat: 17 680 lb (8 020 kg)

Speed, road: 30 mph (48 kmph)

Range: 80 miles (128 km)

Engine: Komatsu, 120 bhp at 2 400 rpm. Diesel

Crew: 3 (commander, driver, gunner)

Notes/variants: The full designation is Type 60 Self-Propelled Recoilless Rifle. It is not amphibious, has no NBC system and has no infra-red driving or fighting equipment. There are no variants in service.

Status: Production completed by Komatsu. In service only with the Japanese Self Defence Force (Army).



ASU-85

SOVIET UNION

SELF-PROPELLED GUN (ANTI-TANK)

Armament: 1 × 85 mm gun

1 × 7.62 mm co-axial machine gun

Length overall: 28 ft 0 in (8.54 m)

Length: 20 ft 0 in (6.10 m)

Width: 9 ft 2 in (2.80 m)

Height: 6 ft 11 in (2.10 m)

Weight, combat: 31 000 lb (14 000 kg)

Speed: 27 mph (44 kmph)

Range: 155 miles (250 km)

Engine: V-6, 240 hp at 1 800 rpm. Diesel

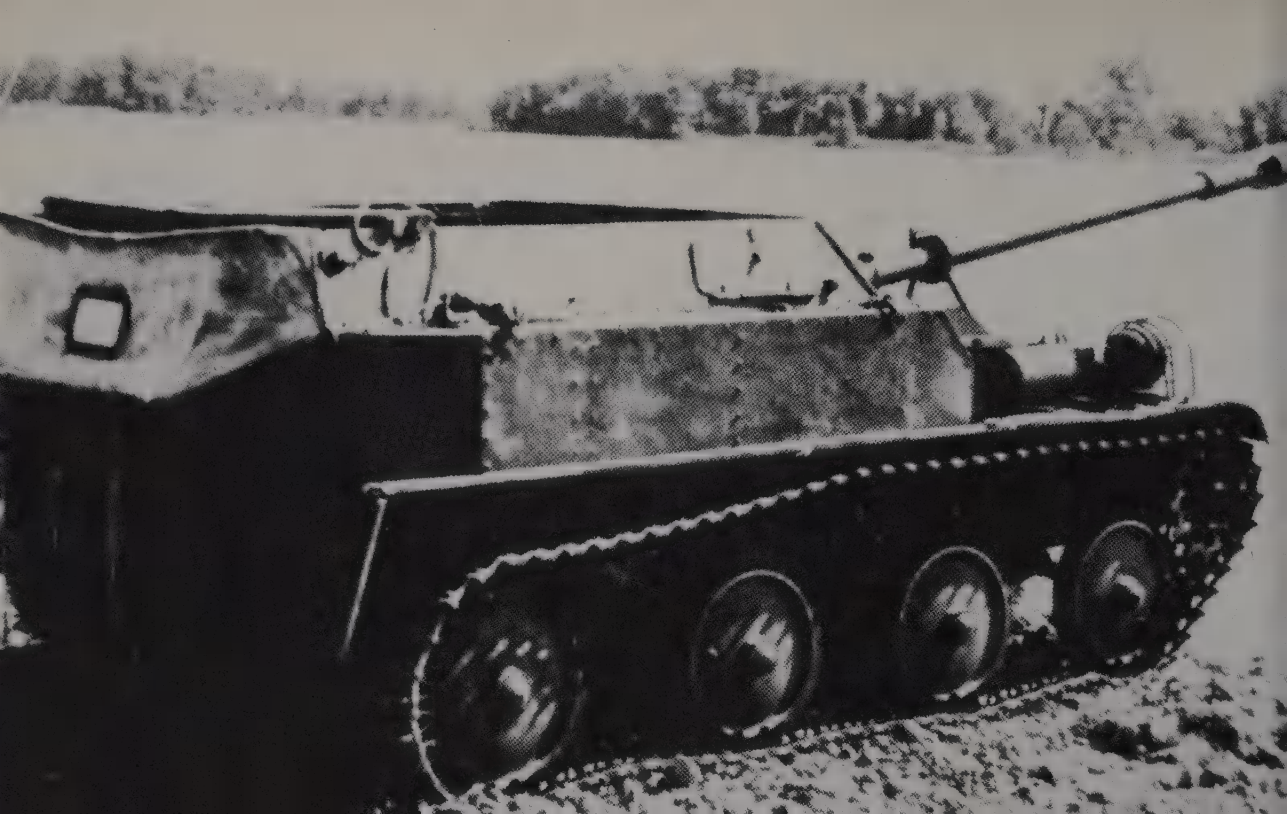
Crew: 4

Notes/variants: Based on PT-76 components, has infra-red fighting and driving equipment, not amphibious, probably has NBC system. No variants known to be in service.

Status: Production probably complete. In service with the airborne regiments of East Germany, Poland and the Soviet Union.

ASU-85 SELF-PROPELLED GUN (ANTI-TANK)

Tass



ASU-57

SOVIET UNION

SELF-PROPELLED GUN (ANTI-TANK)

Armament: 1 × 57 mm gun

Length overall: 19 ft 0 in (5.91 m)

Length: 11 ft 5 in (3.48 m)

Width: 6 ft 10 in (2.08 m)

Height: 4 ft 9 in (1.46 m)

Weight, combat: 7 380 lb (3 350 kg)

Speed, road: 28 mph (45 kmph)

Range: 155 miles (250 km)

Engine: M-20E, 55 hp at 3 600 rpm. Petrol

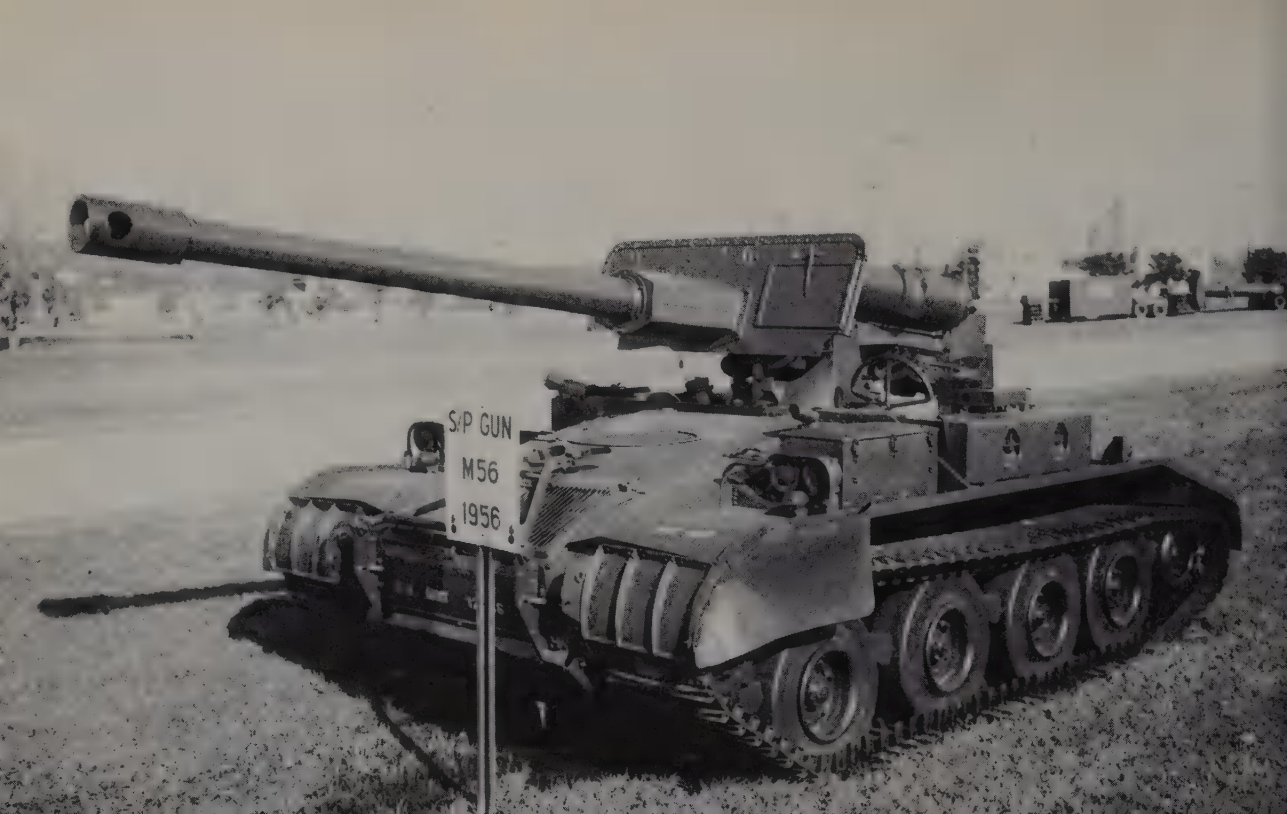
Crew: 3

Notes/variants: The ASU-57 is an airportable weapon; it

is not amphibious, has no infra-red driving or fighting equipment and does not have a NBC system. There are two variants in service, one having a multi-slotted muzzle brake (Ch-51 gun) and the later model having a double baffle muzzle brake (Ch-51m). The above data relate to the lightweight ASU-57, the standard model having slightly different dimensions and a different engine.

Status: Production complete. In service with East Germany, Poland, Soviet Union and Yugoslavia.

ASU-57 (Ch-51m gun) SELF-PROPELLED GUN (ANTI-TANK)



S/P GUN
M56
1956

M-56
USA

SELF-PROPELLED GUN (ANTI-TANK)

Armament: 1 × 90 mm gun
Length overall: 19 ft 2 in (5.84 m)
Length: 14 ft 11³/₈ in (4.56 m)
Width: 8 ft 5¹/₂ in (2.57 m)
Height: 6 ft 9 in (2.06 m)
Weight, combat: 15 500 lb (7 030 kg)
Speed, road: 28 mph (45 kmph)
Range: 140 miles (225 km)
Engine: Continental A01-403-5, 200 bhp at 3 000 rpm.

Petrol

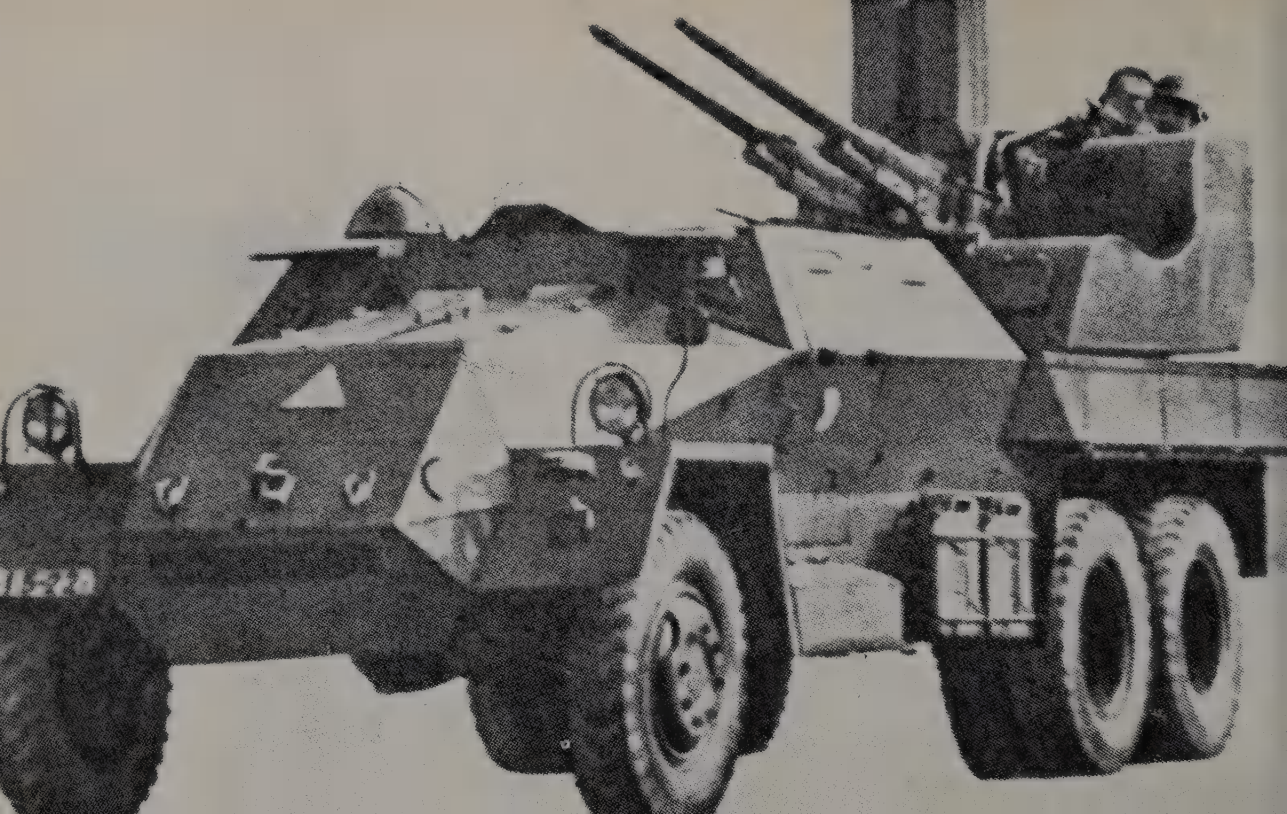
Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Airportable, the only part of the vehicle armoured is the shield. Not amphibious, fitted with infra-red driving lights, no NBC system. There are no variants of the M-56 in service.

Status: Production complete. In service with Morocco and the Spanish Marines.

M-56 SELF-PROPELLED GUN (ANTI-TANK)

Christopher F Foss



ANTI-AIRCRAFT VEHICLE

Armament: 2 × 30 mm guns

Length: 22 ft 11 in (6.98 m)

Width: 7 ft 10 in (2.39 m)

Height: 8 ft 2 in (2.50 m)

Weight, combat: 20 000 lb (9 072 kg)

Speed, road: 37 mph (60 kmph)

Range, road: 310 miles (500 km)

M53/59 CZECHOSLOVAKIA

Engine: TATRA 912-2, 110 hp at 2 200 rpm. Diesel

Crew: 3 (commander, gunner, loader)

Notes/variants: Based on the 6 × 6 Praga V3S truck.

Not amphibious, no infra-red equipment and no NBC system. No variants are known to be in service.

Status: Production complete. In service with Czechoslovakia and Yugoslavia.



AMX - 13 DCA
FRANCE

ANTI-AIRCRAFT VEHICLE

Armament: 2 × 30 mm cannon

2 × 2 smoke dischargers

Length: 17 ft 7 in (5.37 m)

Width: 8 ft 2 in (2.50 m)

Height (radar erected): 12 ft 5 in (3.79 m)

Weight, combat: 37 900 lb (17 200 kg)

Speed, road: 37 mph (60 kmph)

Range, road: 217 miles (300 km)

Engine: SOFAM 8 Gxb, 250 hp at 3 200 rpm. Petrol

Crew: 3 (commander, tracker/gunner, driver)

Notes/variants: Based on the chassis of the AMX-13 tank, the AMX-13 DCA is not amphibious. There are two earlier DCA vehicles, one of them having a single 40 mm gun, the other the same as that detailed above but without the radar system fitted. The turret with the radar system has also been fitted to an AMX-30 chassis.

Status: Production complete. In service with the French Army.

AMX-13 ANTI-AIRCRAFT VEHICLE (EARLY MODEL
WITHOUT RADAR)

French Army



ZSU-57-2

SOVIET UNION

ANTI-AIRCRAFT VEHICLE

Armament: 2 × 57 mm guns

Length overall: 28 ft 0 in (8.53 m)

Length: 20 ft 5 in (6.22 m)

Width: 10 ft 9 in (3.27 m)

Height: 9 ft 0 in (2.75 m)

Weight, combat: 62 100 lb (28 100 kg)

Speed: 30 mph (48 kmph)

Range: 240 miles (400 km)

Engine: Model V-54, 520 hp at 2 000 rpm. Diesel

Crew: 6

Notes/variants: The ZSU-57-2 is based on a shortened T-54 chassis. It is not amphibious. There are no variants known to be in service.

Status: Production complete. In service with Bulgaria, Czechoslovakia, East Germany, Egypt, Finland, Hungary, North Korea, North Vietnam, Poland, Romania, Soviet Union, Yugoslavia.

ZSU-57-2 ANTI-AIRCRAFT VEHICLE

Finnish Army



ZSU-23-4

SOVIET UNION

ANTI-AIRCRAFT VEHICLE

Armament: 4 × 23 mm cannon

Length: 19 ft 9 in (6.00 m)

Width: 9 ft 3 in (2.80 m)

Height without radar: 8 ft 0 in (2.44 m)

Weight, combat: 32 000 lb (14 500 kg)

Speed, road: 27 mph (44 kmph)

Range: 155 miles (250 km)

Engine: Type T-54V-2, 240 hp at 1 800 rpm. Diesel

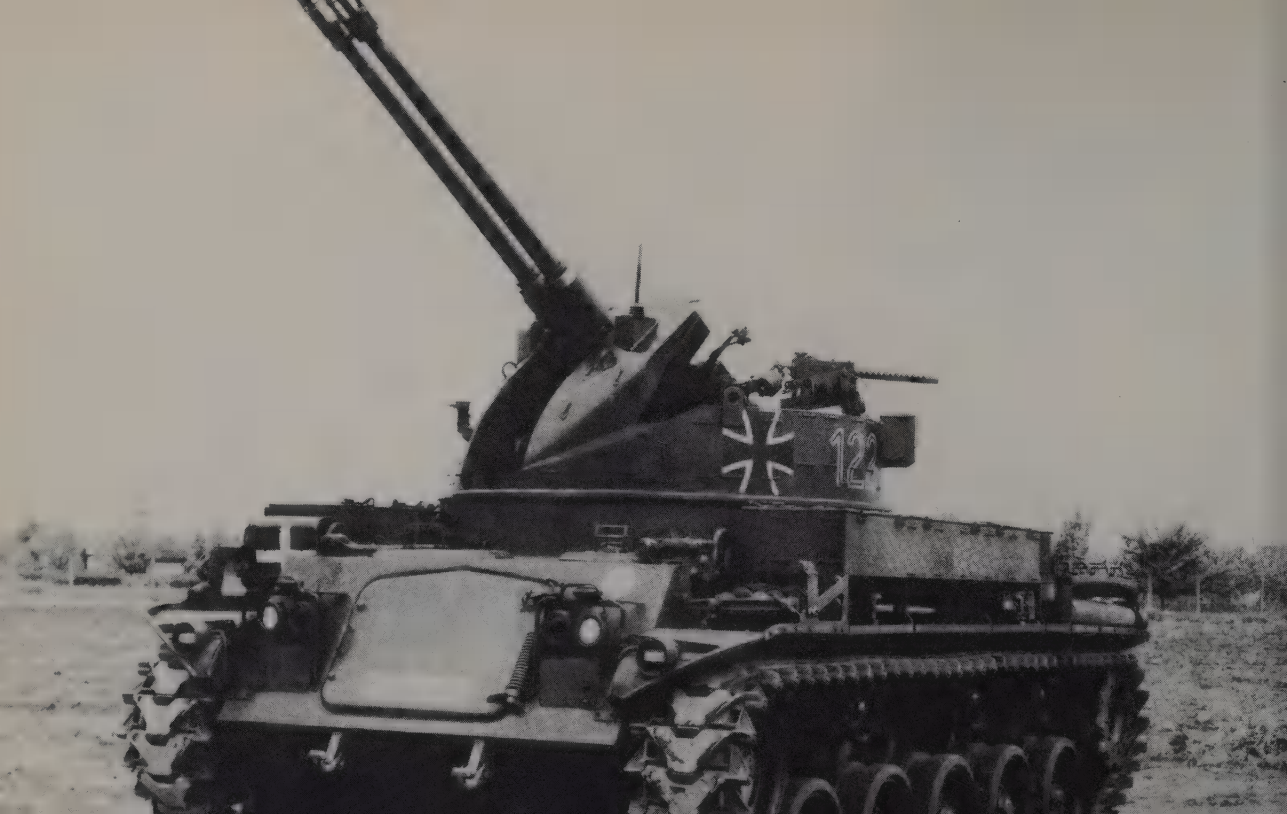
Crew: 4

Notes/variants: Based on a modified PT-76 chassis. The ZSU-23-4 is not amphibious, and is fitted with infra-red driving equipment. The guns are radar controlled. There are no variants known to be in service.

Status: Probably still in production. In service from 1965 with Egypt, Poland, Soviet Union, Syria.

ZSU-23-4 ANTI-AIRCRAFT VEHICLE

Tass



M-42
USA

ANTI-AIRCRAFT VEHICLE

Armament: 2 × 40 mm guns

1 × 12.7 mm machine gun

Length overall: 20 ft 10¼ in (6.36 m)

Length: 19 ft 1⅞ in (5.82 m)

Width: 10 ft 7 in (3.22 m)

Height: 9 ft 4⅞ in (2.84 m)

Weight, combat: 49 500 lb (22 450 kg)

Speed, road: 45 mph (72 kmph)

Range, road: 100 miles (160 km)

Engine: Continental or Lycoming AOS-895-3, 500 hp at

2 800 rpm. Petrol

Crew: 6

Notes/variants: Not amphibious, no NBC pack but has infra-red driving lights. Uses some of the components of the M-44 (155 mm) and M-52 (105 mm) self-propelled guns. A later model of the M-42 is the M-42A1, which has a fuel injection engine.

Status: Production complete. In service with Austria, Federal Germany, Japan, Jordan, Lebanon, South Vietnam and United States.



SELF-PROPELLED GUN

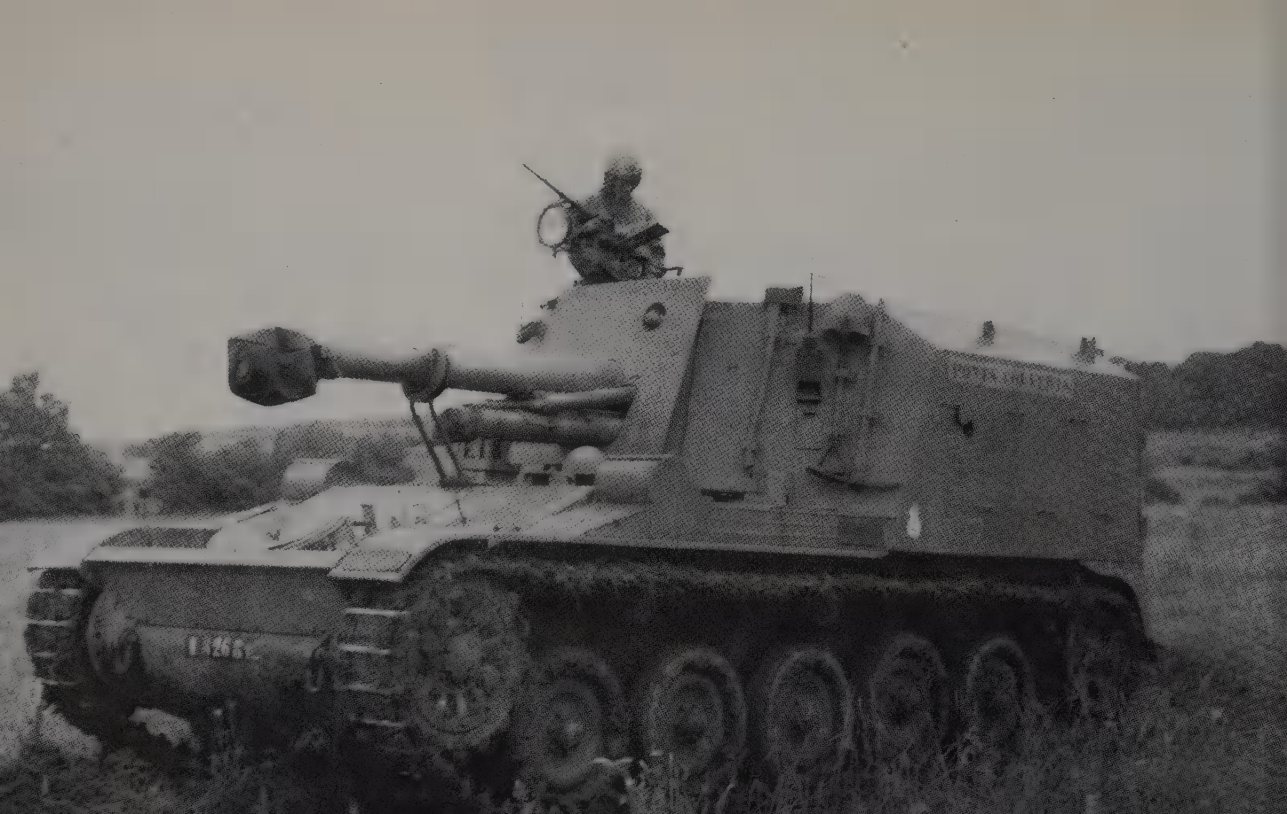
Armament: 1 × 155 mm howitzer
Length overall inc. gun: 20 ft 5 in (6.22 m)
Length: 16 ft 0 in (4.88 m)
Width: 8 ft 10 in (2.69 m)
Height, travelling: 6 ft 11 in (2.10 m)
Weight, combat: 38 360 lb (17 400 kg)
Speed, road: 37 mph (60 kmph)
Range: 186 miles (300 km)

155 mm SPG Mk F3 FRANCE

Engine: SOFAM Mk 8 Gxb, 260 hp at 3 200 rpm. Petrol
Crew: 2 on vehicle (gunner, driver)

Notes/variants: Based on the AMX chassis, not amphibious. The rest of the crew are carried in the AMX VC1 support vehicle which also carries the ammunition for the weapon.

Status: In production by Creusot-Loire. In service with the French Army and on order/in service for Argentina and Venezuela.



1266

ПОДЪЕМНИК

105 mm SPG Mk 61
FRANCE

SELF-PROPELLED GUN

Armament: 1 × 105 mm howitzer
1 × 7.5 mm or 7.62 mm machine gun
Length: 21 ft 0 in (6.40 m)
Width: 8 ft 8 in (2.65 m)
Height: 8 ft 10 in (2.70 m)
Weight, combat: 36 400 lb (16 500 kg)
Speed, road: 37 mph (60 kmph)
Range, road: 217 miles (350 km)
Engine: SOFAM 8 Gxb, 250 hp at 3 200 rpm. Petrol

Crew: 5

Notes/variants: This is also called the 105 mm SPG Model 1950 and is based on a modified AMX chassis; it can have either a 23 cal. barrel or a 30 cal. barrel. It is not amphibious, has no NBC system and no infra-red driving lights. There is also a version with the 105 mm gun in a turret with a traverse of 360°.

Status: Production complete. In service with France, Israel, Morocco, Netherlands.



FV 433 ABBOT GREAT BRITAIN

SELF-PROPELLED GUN

Armament: 1 × 105 mm gun

1 × 7.62 mm A/A machine gun

2 × 3 smoke dischargers

Length overall: 19 ft 2 in (5.84 m)

Length: 16 ft 8 in (5.01 m)

Width: 8 ft 8 in (2.64 m)

Height without A/A MG: 8 ft 2 in (2.50 m)

Weight, combat: 38 500 lb (17 460 kg)

Speed: 30 mph (48 kmph)

Range: 300 miles (480 km)

Engine: Rolls-Royce K-60, 240 hp at 3 750 rpm. Multi-fuel

Crew: 4 (commander, gunner, loader, driver)

Notes/variants: Uses components of the FV 432. Has infra-red driving lights, NBC system and is fully amphibious, being fitted with a collapsible flotation screen. Water speed is 4 mph (6.3 kmph). Variants are the Value Engineered Abbot, which has the same capability as the standard Abbot but lacks some of its refinements, and the Falcon, which is armed with 2 × 30 mm guns (trials only).

Status: Production of the Abbot has been completed by Vickers Ltd at Elswick. Value Engineered Abbot production has been completed for the Indian Army.



SELF-PROPELLED GUN

Armament: 1 × 155 mm gun

1 × 7.62 mm machine gun

Length overall: 36 ft 1 in (11.0 m)

Length: 21 ft 6 in (6.55 m)

Width: 11 ft 1 in (3.37 m)

Height without MG: 11 ft 0 in (3.35 m)

Weight, combat: 116 850 lb (53 000 kg)

Speed, road: 17.4 mph (28 kmph)

Range: 142 miles (230 km)

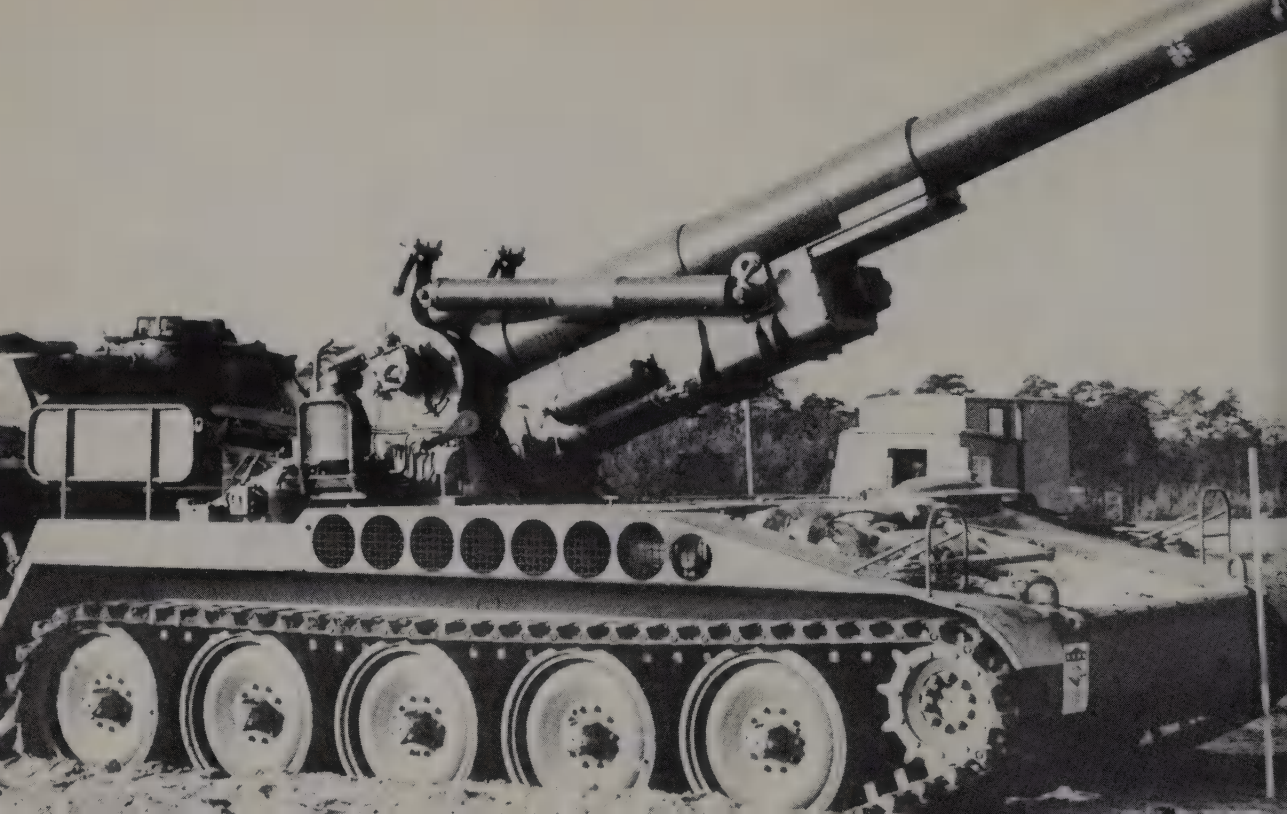
155 mm BANDKANON 1A SWEDEN

Engines: Rolls-Royce K60, 240 hp at 3 750 rpm and a Boeing 502-10MA turbine, 300 shp at 38 000 rpm

Crew: 5

Notes/variants: The 155 mm Bandkanon 1A is not amphibious; it is fitted with infra-red driving lights and has a NBC system. There are no variants in service.

Status: Production completed by Bofors. In service only with the Swedish Army.



M-110
USA

SELF-PROPELLED GUN

Armament: 1 × 203 mm howitzer

Length overall: 24 ft 4 $\frac{1}{2}$ in (7.43 m)

Length: 18 ft 9 $\frac{1}{4}$ in (5.72 m)

Width: 10 ft 4 in (3.15 m)

Height (top of mount): 9 ft 2 $\frac{1}{2}$ in (2.81 m)

Weight, combat: 58 500 lb (26 534 kg)

Speed: 34.4 mph (55 kmph)

Range: 450 miles (725 km)

Engine: GM 8V71T, 405 bhp at 2 300 rpm. Diesel

Crew: 5 (carried on gun). Total crew is 13.

Notes/variants: Same hull and mount as the M-107 175 mm gun, same hull as the M-578 ARV. The M-110 is fitted with infra-red driving lights, is not amphibious and has no NBC system. The rest of the crew and ammunition are carried in a M-548 vehicle. The latest model under test is the M-110E1.

Status: In service with Belgium, Germany, Great Britain, Iran, Israel, Netherlands, South Korea, United States.



M-55

USA

SELF-PROPELLED GUN

Armament: 1 × 203 mm howitzer

1 × 12.7 mm anti-aircraft machine gun

Length: 25 ft 11½ in (7.91 m)

Width: 11 ft 9 in (3.58 m)

Height without A/A MG: 11 ft 4¾ in (3.47 m)

Weight, combat: 98 000 lb (44 452 kg)

Speed: 30 mph (48 kmph)

Range: 160 miles (257 km)

Engine: Continental AV-1790-5B Series, 704 bhp at

2 800 rpm. Petrol

Crew: 6

Notes/variants: The M-55 uses the same turret and chassis as the M-53 155 mm gun. The M-55 is fitted with infra-red driving equipment and is not amphibious. There are no variants in service.

Status: Production complete. In service with Belgium and Italy.

M-55 SELF-PROPELLED GUN

United States Marine Corps



M-107

USA

SELF-PROPELLED GUN

Armament: 1 × 175 mm gun

Length overall: 41 ft 10 $\frac{1}{8}$ in (12.75 m)

Length (chassis): 18 ft 9 $\frac{1}{4}$ in (5.72 m)

Width: 10 ft 4 in (3.15 m)

Height: 9 ft 2 $\frac{5}{8}$ in (2.81 m)

Weight, combat: 62 100 lb (28 168 kg)

Speed, road: 34.4 mph (55 kmph)

Range: 450 miles (724 km)

Engine: GM 8V71T, 405 bhp at 2 300 rpm. Diesel

Crew: 5 (carried on gun). Total crew is 13.

Notes/variants: Same hull and mount as the M-110 203 mm howitzer, same hull as the M-578 ARV. The M-107 is fitted with infra-red driving lights, it is not amphibious and is not fitted with a NBC system. The rest of the crew and ammunition are carried in a M-548 vehicle.

Status: In service with Germany, Great Britain, Greece, Iran, Israel, Italy, Netherlands, South Vietnam, Spain, United States of America.

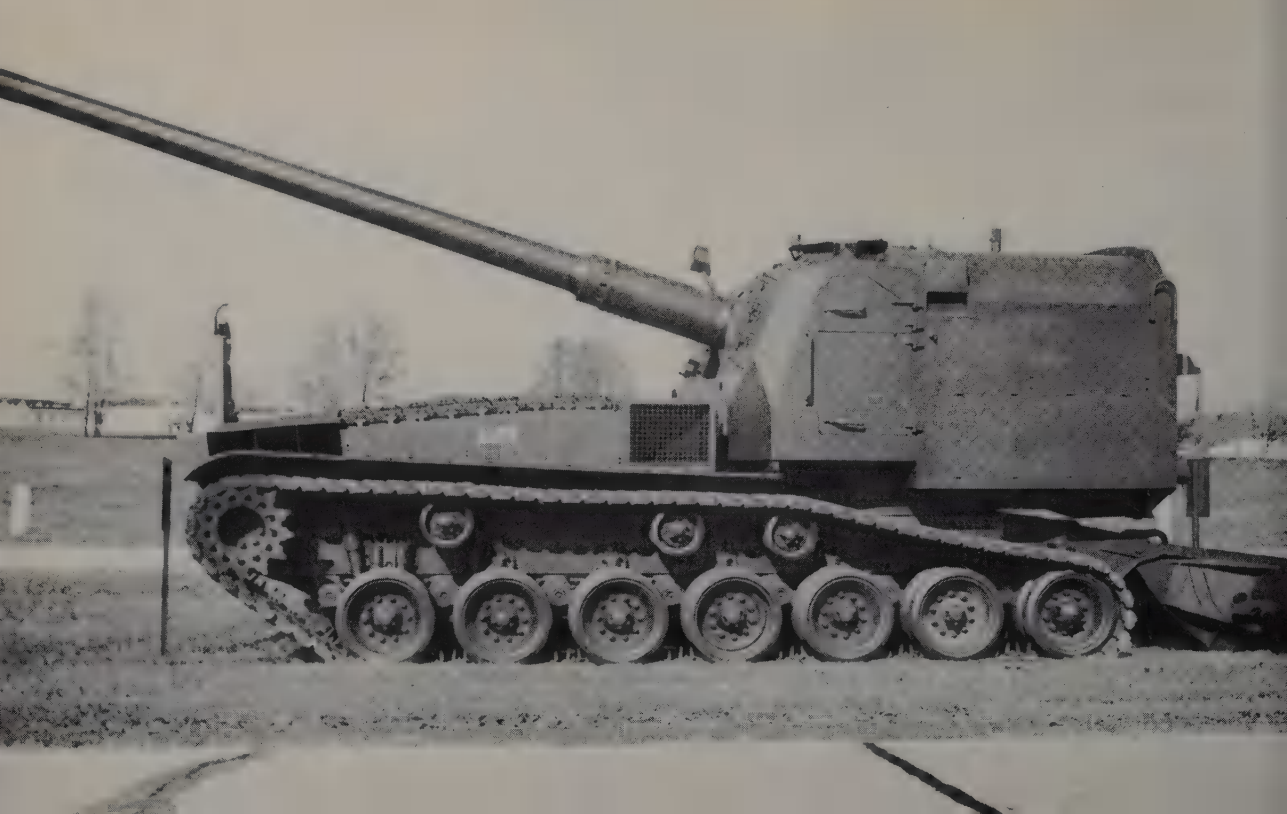


M-109
USA

SELF-PROPELLED GUN

Armament: 1 × 155 mm howitzer
1 × 12.7 mm anti-aircraft machine gun
Length overall: 21 ft 8¼ in (6.61 m)
Length: 20 ft 0½ in (6.11 m)
Width: 10 ft 9¾ in (3.26 m)
Height without MG: 10 ft 0 in (3.05 m)
Weight, combat: 52 460 lb (23 795 kg)
Speed, road: 35 mph (56 kmph)
Range: 240 miles (386 km)
Engine: Detroit Diesel, 8V71T, 405 bhp at 2 300 rpm.
Diesel
Crew: 6

Notes/variants: Similar chassis and hull to the M-108 (105 mm) SPG. The M-109 has infra-red driving equipment; a NBC kit is available, as is a flotation kit. Variants in service are:
M-109A1 Has a longer barrel.
M-109G Is the German version with slight modifications.
M-109U Is the Swiss version with slight modifications.
Status: In production by Allison Division of GMC. In service with Austria, Belgium, Canada, Denmark, Germany, Great Britain, Iran, Israel, Italy, Netherlands, Norway, Spain, Switzerland, United States of America.



M-53
USA

SELF-PROPELLED GUN

Armament: 1 × 155 mm gun
1 × 12.7 mm anti-aircraft machine gun
Length overall: 33 ft 6 in (10.21 m)
Length: 22 ft 8 in (6.91 m)
Width: 11 ft 9 in (3.58 m)
Height without MG: 11 ft 8 in (3.56 m)
Weight, combat: 96 000 lb (43 545 kg)
Speed, road: 30 mph (48 kmph)
Range: 160 miles (257 km)

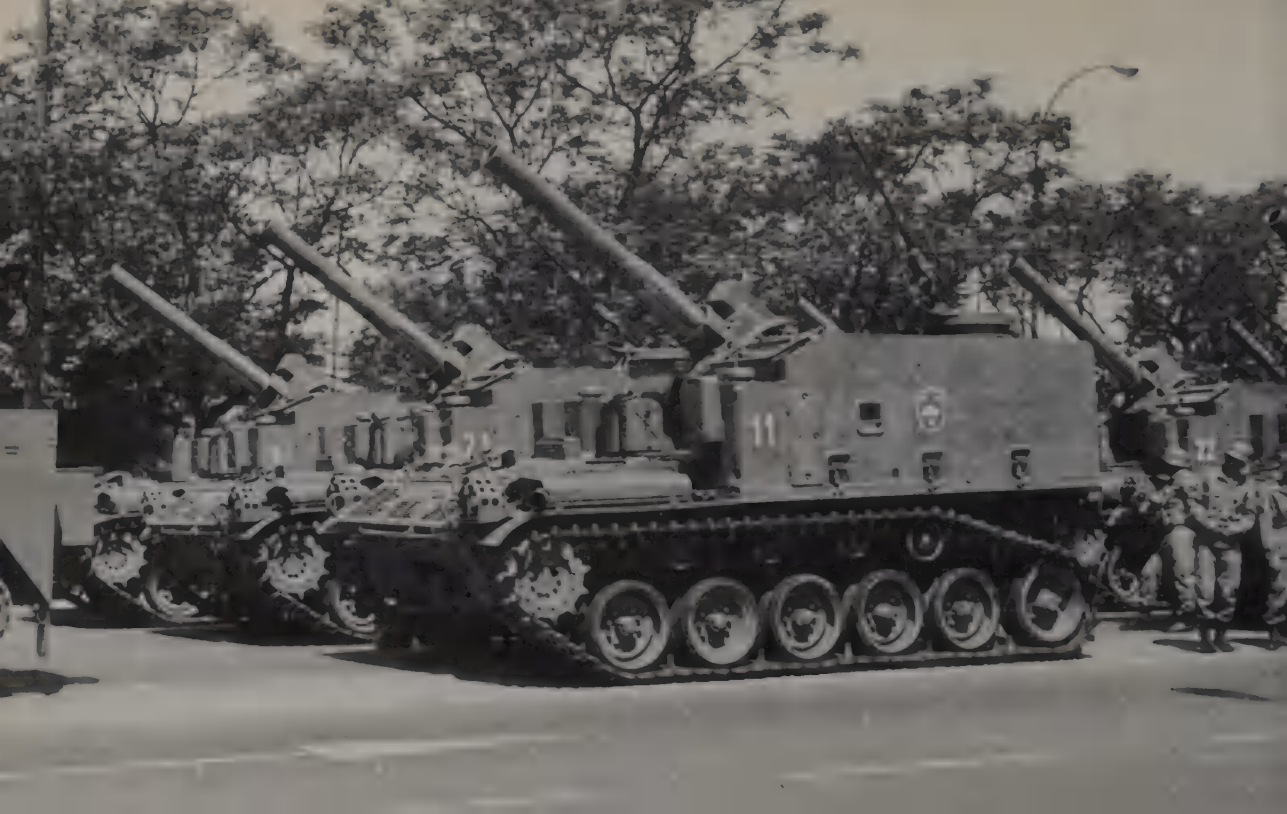
Engine: Continental AV-1790-5B series, 704 bhp at 2 800 rpm. Petrol

Crew: 6

Notes/variants: The M-53 uses the same hull and other components as the M-55 (203 mm howitzer). The M-53 is not amphibious and is fitted with infra-red driving lights.

Status: Production complete. May be in service in a few NATO countries.

T-97 155 mm SELF-PROPELLED GUN (BECAME THE M-53)



M-44
USA

SELF-PROPELLED GUN

Armament: 1 × 155 mm howitzer

1 × 12.7 mm anti-aircraft machine gun

Length: 20 ft 2½ in (6.16 m)

Width: 10 ft 7½ in (3.24 m)

Height without MG: 10 ft 2½ in (3.11 m)

Weight, combat: 62 500 lb (28 349 kg)

Speed, road: 35 mph (56 kmph)

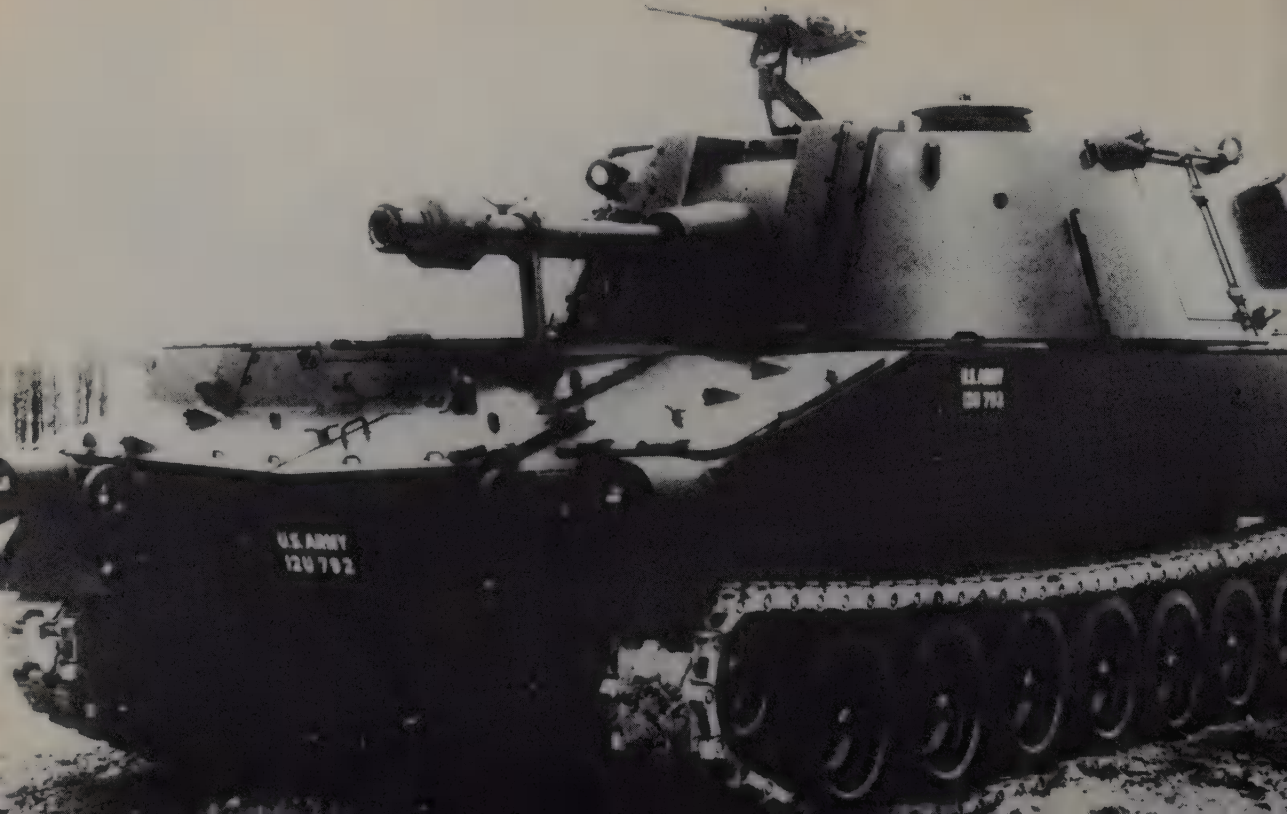
Range: 76 miles (122 km)

Engine: Continental AOS-895-3, 500 hp at 2 800 rpm.
Petrol

Crew: 5

Notes/variants: Similar chassis to that of the M-52 (105 mm), uses some components of the M-41 light tank. It has no NBC system as it has an open top; not amphibious. A later model is the M-44A1, which has a fuel injection engine.

Status: Production completed by Massey Harris. In service with Greece, Italy, Japan, Spain, Turkey and United States of America (Reserve).



U.S. ARMY
12U 782

U.S. ARMY
12U 792

M-108

USA

SELF-PROPELLED GUN

Armament: 1 × 105 mm howitzer
1 × 12.7 mm anti-aircraft machine gun
Length overall: 20 ft 0½ in (6.11 m)
Width: 10 ft 9¾ in (3.26 m)
Height without MG: 10 ft 0 in (3.05 m)
Weight, combat: 46 900 lb (21 274 kg)
Speed: 35 mph (56 kmph)
Range: 240 miles (386 km)

Engine: Detroit Diesel, 8V71T, 405 bhp at 2 300 rpm

Crew: 5

Notes/variants: The M-108 uses the same hull and turret as the M-109. The M-108 can be fitted with a flotation kit, with infra-red driving equipment and also with a NBC pack.

Status: Production completed in 1963. In service with Belgium, Spain and United States.



M-52
USA

SELF-PROPELLED GUN

Armament: 1 × 105 mm howitzer
1 × 12.7 mm anti-aircraft machine gun
Length: 19 ft 0³/₈ in (5.80 m)
Width: 10 ft 4 in (3.15 m)
Height without MG: 10 ft 0¹/₄ in (3.05 m)
Weight, combat: 53 000 lb (24 040 kg)
Speed, road: 35 mph (56 kmph)
Range: 100 miles (160 km)
Engine: Continental AOS-895-3, 500 hp at 2 800 rpm.

Petrol

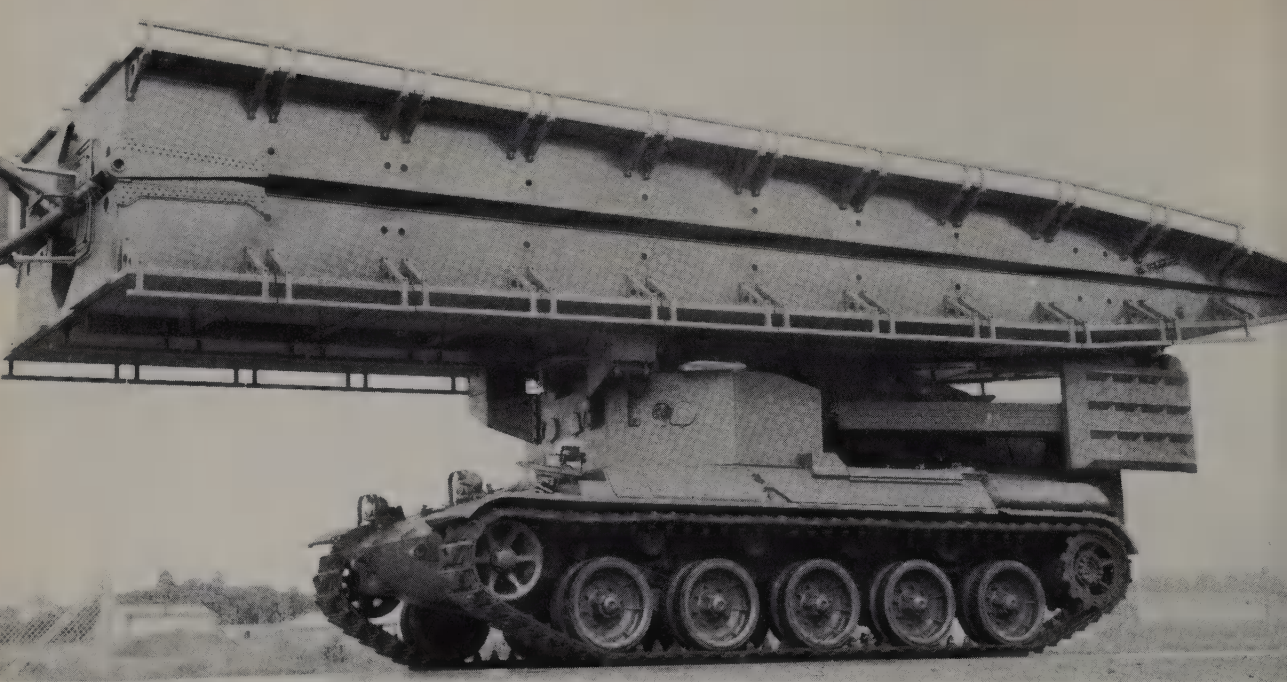
Crew: 5

Notes: Uses a similar chassis to the M-44 (155 mm) weapon. The M-52 is not amphibious. A later version of the M-52 is the M-52A1, which has a fuel injection engine.

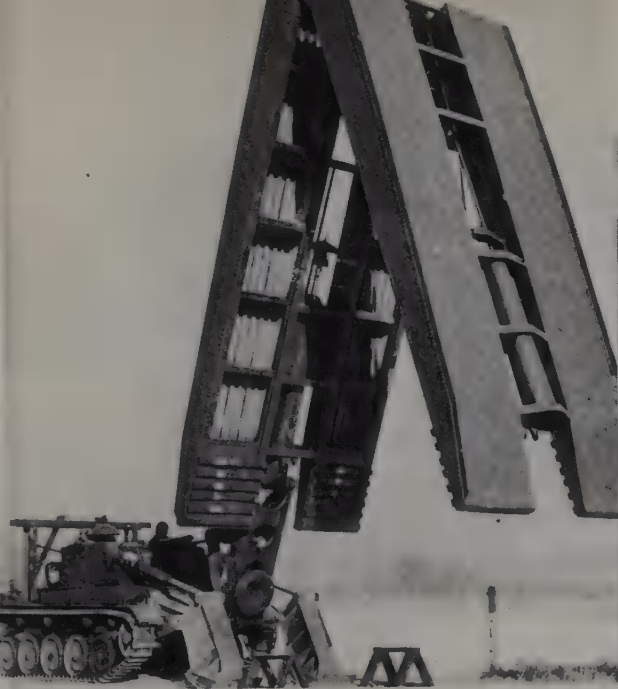
Status: Production completed. In service with Belgium, Greece, Japan and Jordan.

M-52 SELF-PROPELLED GUN

Susumu Yamada



AMX-30
BRIDGELAYER



**AMX-13
BRIDGELAYER**

ECP Armées
FRANCE

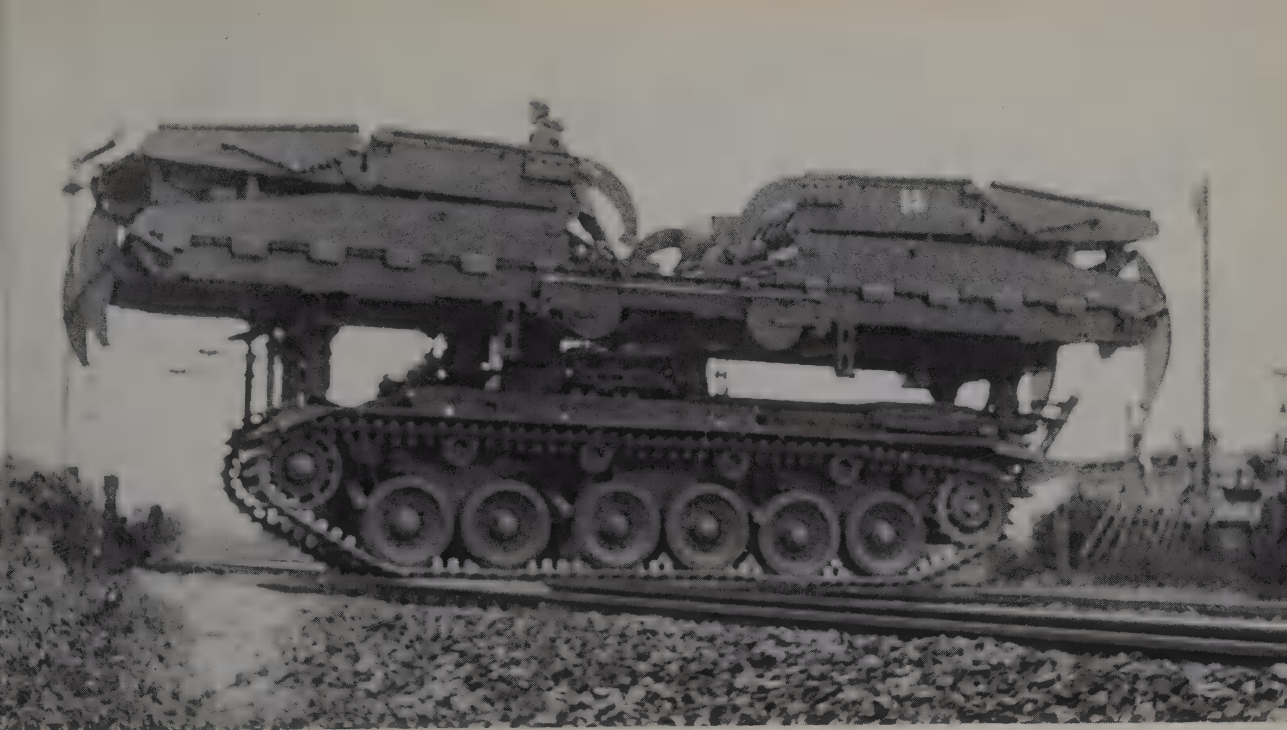


**CHIEFTAIN FV 4205
BRIDGELAYER**

Christopher F Foss
GREAT BRITAIN



LEOPARD
BRIDGELAYER



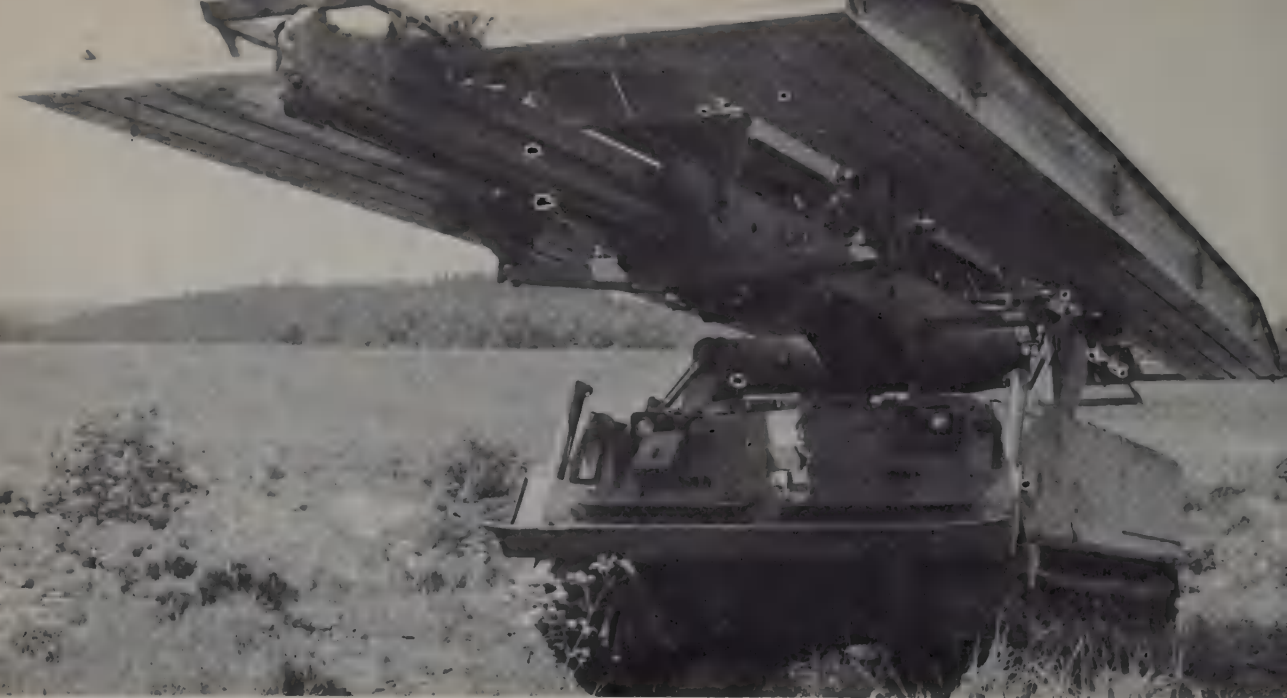
CENTURION MK 5 ARK
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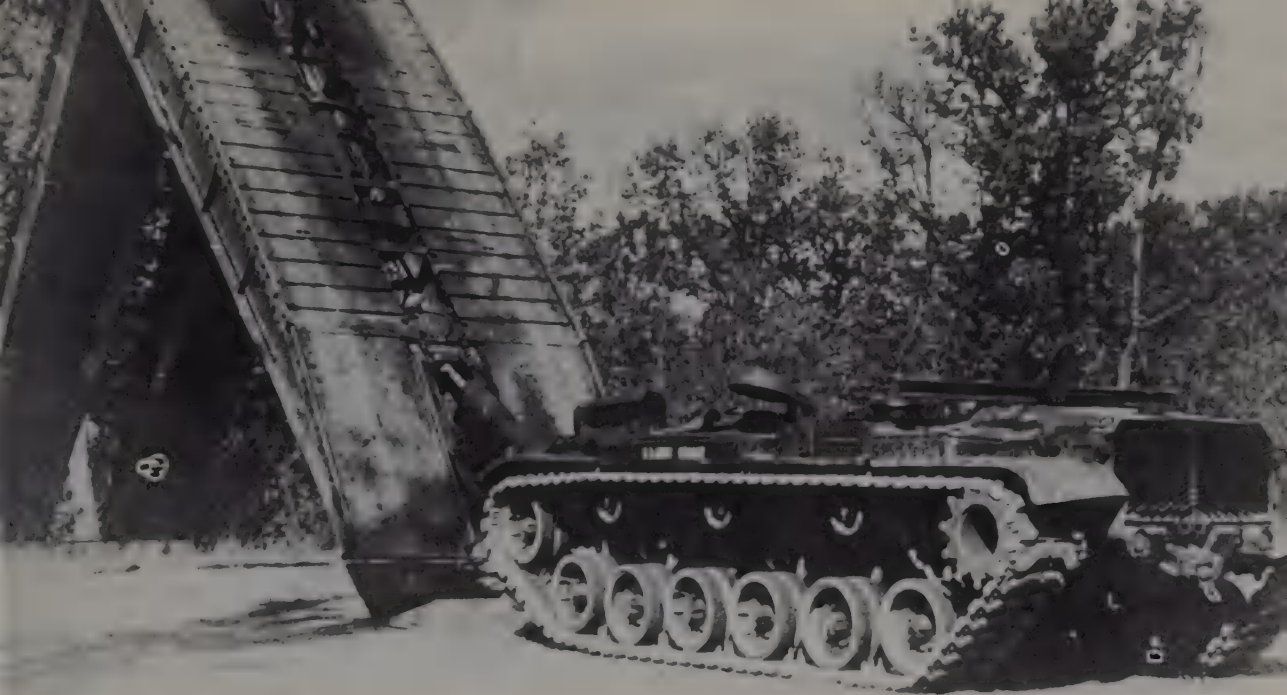
TYPE 67
ARMoured VEHICLE LAUNCHED BRIDGE



MTU-54
BRIDGELAYER

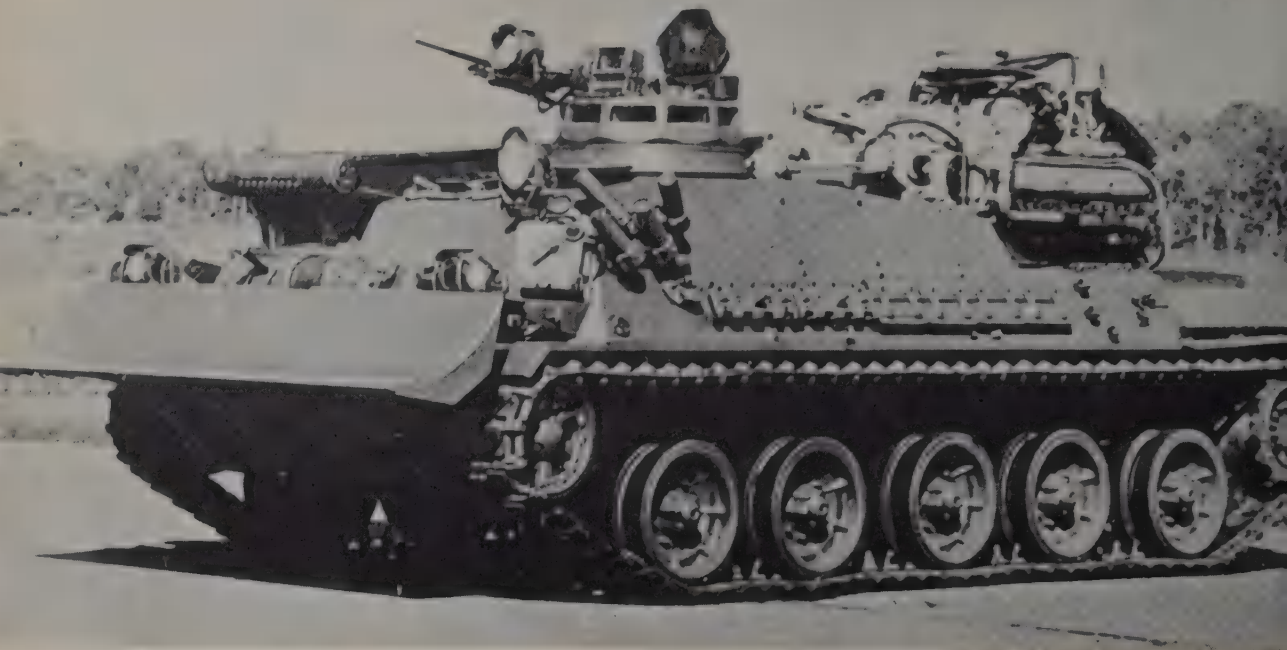


BROBV 941
BRIDGELAYER

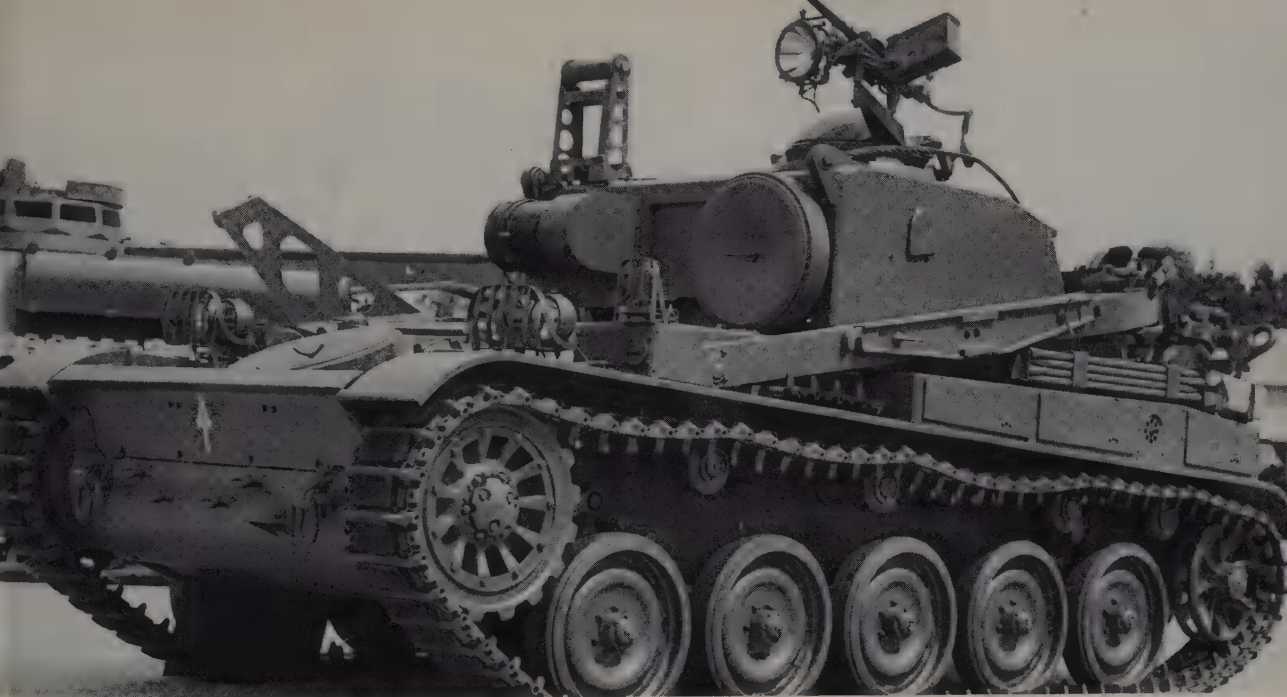


M-60
ARMoured VEHICLE LAUNCHED BRIDGE

United States Army Tank-Automotive Centre
UNITED STATES OF AMERICA

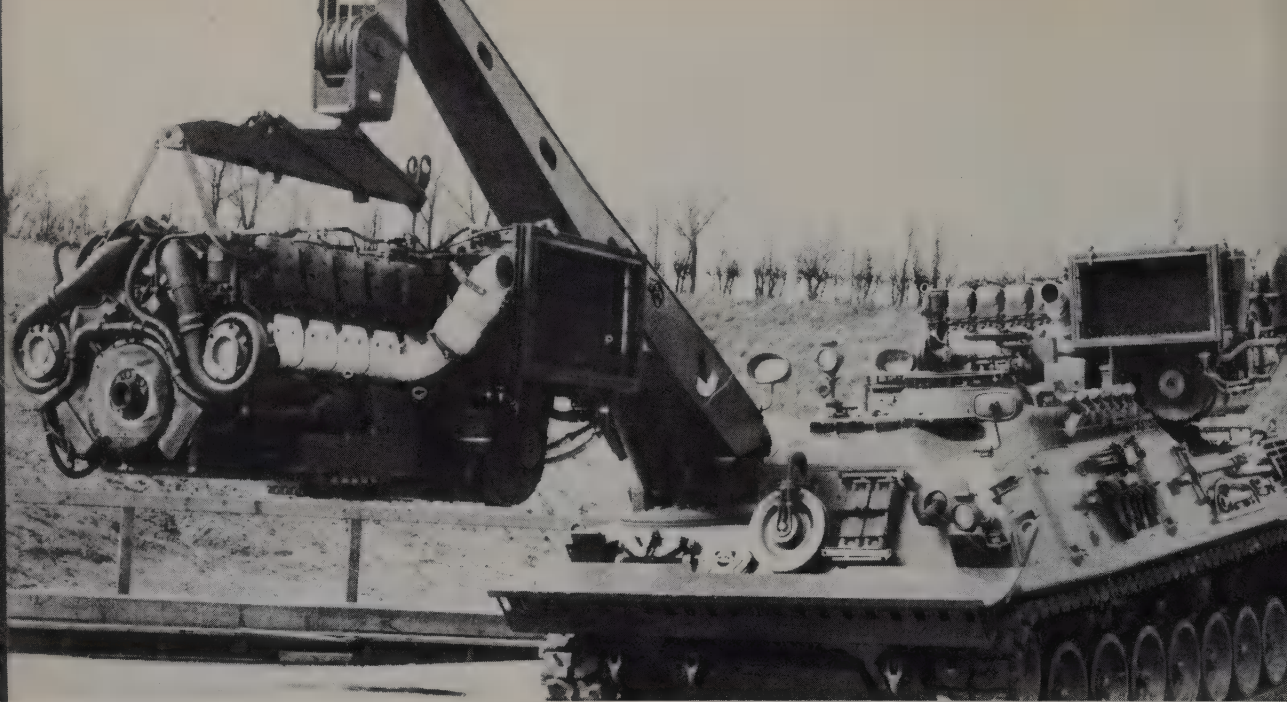


AMX-30
ARMOURED RECOVERY VEHICLE

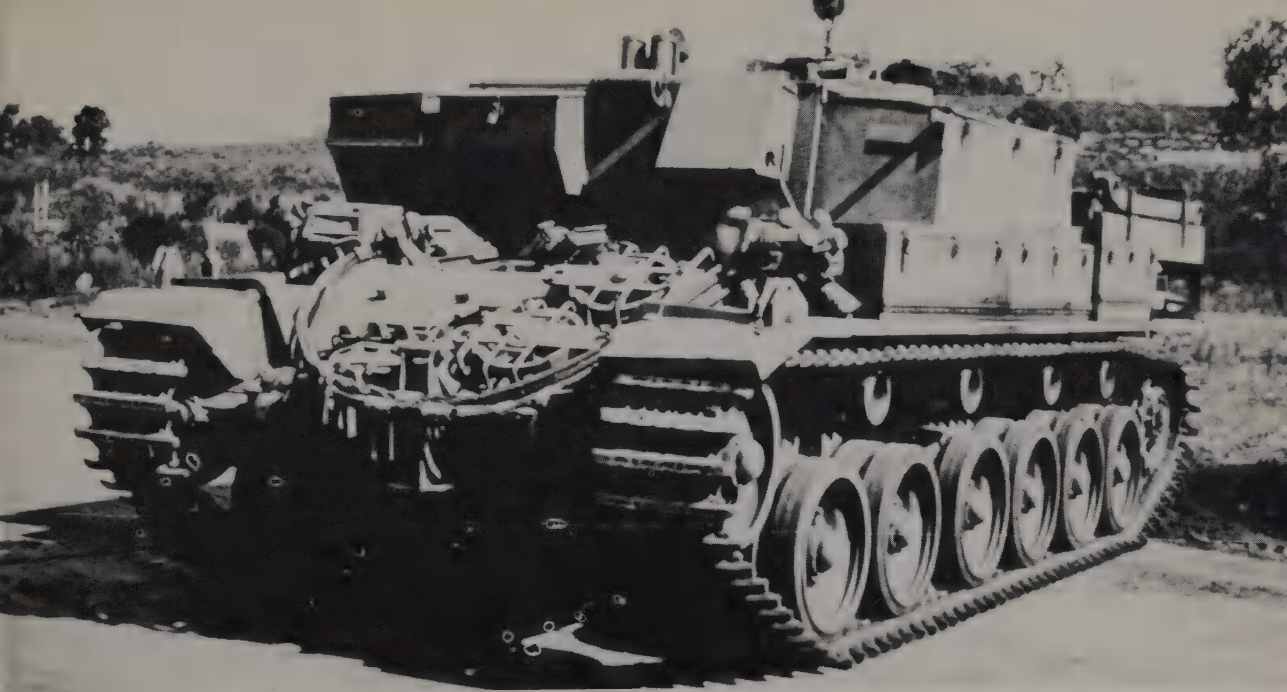


AMX-13
ARMOURED RECOVERY VEHICLE

Direction Technique des Armements Terrestres
FRANCE

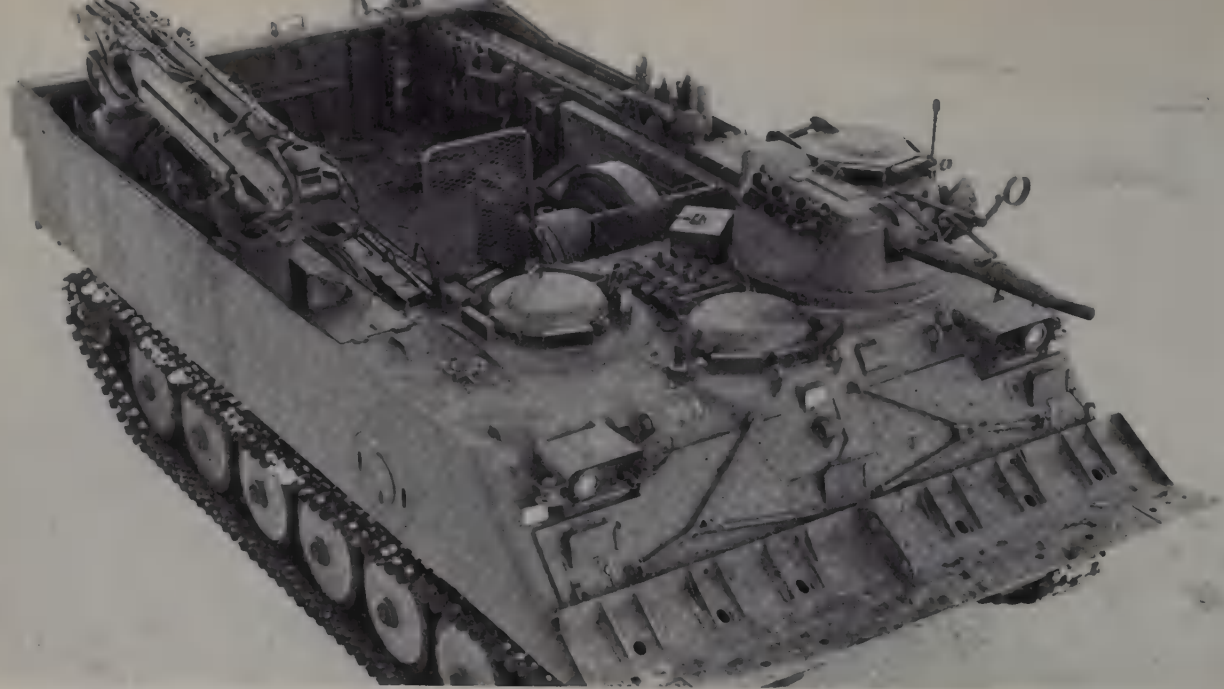


**LEOPARD
ARMOURED RECOVERY VEHICLE**



CENTURION Mk 2
ARMoured RECOVERY VEHICLE

Australian Army
GREAT BRITAIN



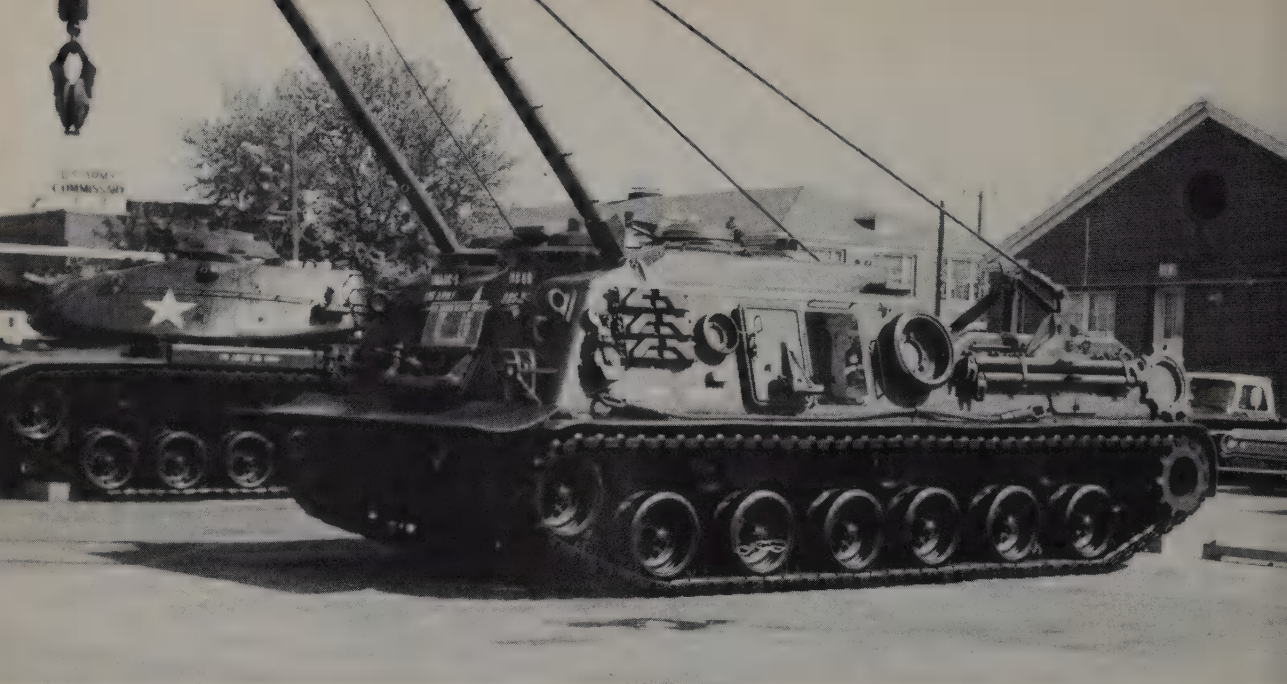
BGV 82
ARMOURED RECOVERY VEHICLE

Hägglund and Söner
SWEDEN



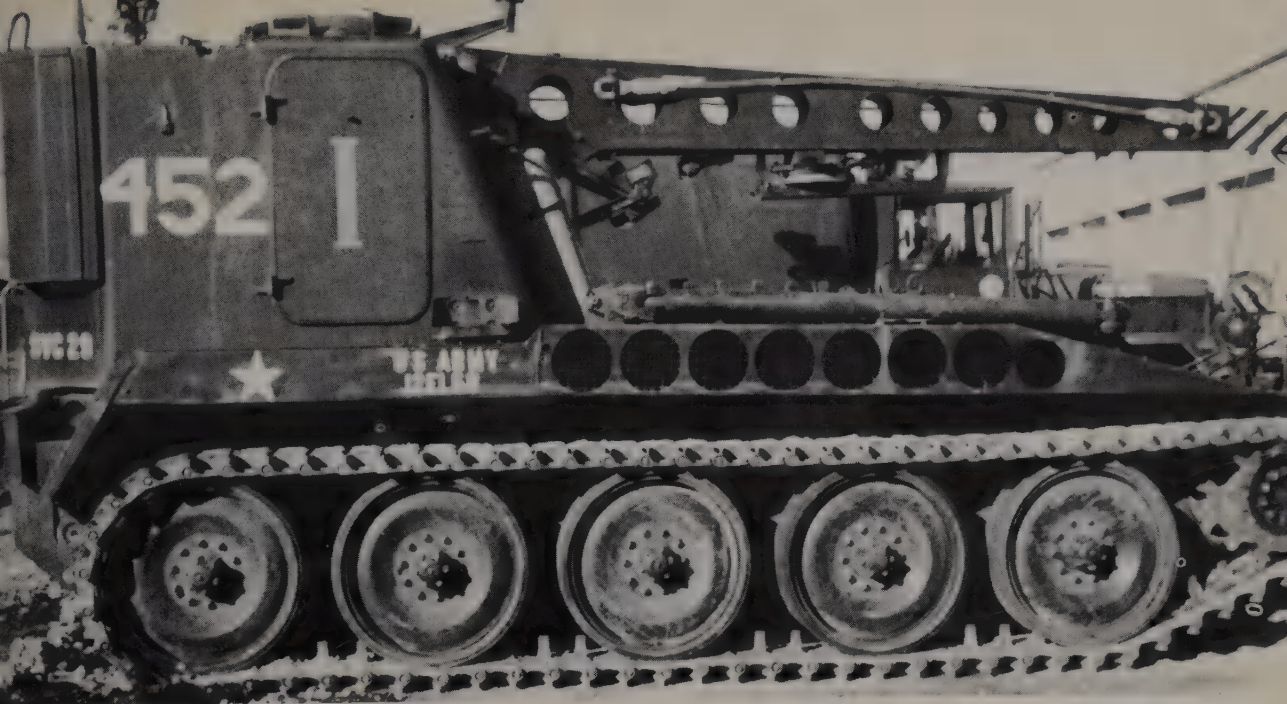
**ENTP PZ 65
ARMOURED RECOVERY VEHICLE**

F E W Thun / T Bell
SWITZERLAND



M-88
ARMOURED RECOVERY VEHICLE

United States Army / T Bell
UNITED STATES OF AMERICA



M-578
ARMOURD RECOVERY VEHICLE

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