

Type: Carrier, Personnel, Armored, 4x4 *Nomenclature:* **MOWAG Piranha 4x4 Model 1980**

Country: Switzerland *Date of Introduction:* 1980

Physical Data:

Weight:

Empty 14758 lbs (6700 kg)
Loaded 17181 lbs (7800 kg)
Length (OA) 209 in (5320 mm)
Width (OA) 98 in (2500 mm)
Height (OA) 73 in (1850 mm)
Ground Clearance .. 19.8 in (500 mm)
Wheel Base 95 in (2420 mm)
Wheel Tread 86.5 in (2200 mm)
Drive 4x4
Armor Proof against
7.62mm ball
NBC Protection Vehicle over-
pressure system

Armament:

Main - Cal Light machine gun
as fitted by user

Model
Elevation Manual
Traverse Manual
Fire Control Optical
Aux wpn - Cal Individual

Capacity:

Fuel 53 gals (200 Liters)
diesel
Ammo/Qty
Crew/Passengers 2/8

Engine:

Type Diesel
HP at Rev/Min 216 hp
@ 2800 rpm
Model 6V-53
Mfr Detroit Diesel
No. of Cyls 6
Location Right front
Cooling Liquid

Transmission:

Type Automatic
Speeds Fwd/Rev 5-Fwd/1-Rev
Model MT-653
Mfr Allison GM

Suspension System:

Type Torsion bar
and coil spring
Wheels Steerable Front pair
Turning Radius 20.5 ft (6.3 m)
No of total wheels ... 4
Tire Size 11.00x16 runflat

General Data:

Elec Voltage 24 V
Intercom Yes

Night Vision Devices:

Driver & Cdr As fitted by user

Performance:

Speed/Land 62 mph (100 km/h)
Speed/Water 6 mph (9.5 km/h)
Range..... 435 mi (700 km)
Fording Depth Amphibious
Max Grade 70%
Trench Crossing
Step 19.5 in (500 mm)



Remarks: A further development of the original 1972 version of the Piranha 4x4, the engine had been changed to a diesel and the transmission to an automatic. Fittings and parts were common to the other Piranha series. Although the weight had gone up the vehicle still had the same range and speed as the original design. The 4x4 APC version didn't find any users and remained a prototype only.

Usage: Prototype only.

Manufacturer: MOWAG AG, Switzerland.

Above: Although there were detail differences between the first and second version of the Piranha 4x4 the vehicle didn't attract any users. (Photo: MOWAG AG)