

Type: **BTR-80, GAZ-5903 Armored Personnel Carrier** Nomenclature: **APC**

Country: **Soviet Union/Russia** Date of Introduction: **1984**

**Physical Data:**

Weight Loaded 13,600 kgs (29,988 lbs)  
 Length (OA) 7.55 m (297 in)  
 Width (OA) 2.95 m (116 in)  
 Height (OA) 2.41 m (95 in)  
 Ground Clr 475 mm (18.7 in)  
 Wheel Base Unk  
 Wheel Tread 2.41 m (95 in)  
 Drive 8x8  
 Power Steering Front four wheels  
 Armor 15mm Maximum – Applique  
 Armor Available

NBC Protection

Collective

**Armament:**

Turret Type BPU-1  
 Main Gun Stabilization No  
 Rangefinder Optical  
 Infrared Searchlight OU-3GA2M  
 Sight Day 1P3-6, 1.2x/4x  
 Field of View 49/14o

Acquisition Rng/Day 2,000m (2188 yds)  
 Max Aimed Range 2,000m (2188 yds)  
 Max Effective Range 2,000m (2188 yds)

Tactical AA Range 1,500-2,000 m  
 (1641-2188 yds)

Armor Penetration 20 mm (.79 in) @  
 1,000 m (1094 yds)/30 mm (1.18 in)  
 @ 500 m (547 yds)

Other Ammunition Types API, I-T  
 Main Cal 14.5-mm (14.5 x 114) heavy  
 MG, KPVT

Rate of Fire (rd/min) 150 practical

Loader Type Belt-fed

Ready/Stowed Rounds 50/450

Elevation -4/+60o

Traverse 360 degrees

Fire Control Optical Day/Night Sight

Fire on Move Yes

Aux Wpns 7.62-mm machine gun, PKT

Mount Type Coax

Max Aimed Range 1,500m (1641 yds)

Max Effective Range 1,000m (1094 yds)

Fire on Move Yes

Stabilized No

Rate of Fire (rd/min) 250 practical/650  
 maximum in 2-10 round bursts

Smoke Equipment 6 x  
 81-mm smoke grenade  
 launchers

**Capacity:**

Fuel 300 liters (79.2  
 gals)  
 Ammo/Qty 14.5mm (450  
 rds) 7.62mm (1200-1500  
 rds est)  
 Crew/Pass 3/7

**Engine:**

Type KamAZ Model 7403 four-stroke, eight cylinder liquid cooled diesel engine  
 HP @ Rev/Min 260 hp @ 2600 rpm

Model KamAZ Model 7403

Manufacturer KamAZ

No. of Cylinders 8

Location Rear

Cooling Liquid

Power to weight ratio 19.1 hp per Metric Ton

**Transmission:**

Type Manual with 2-spd transfer case

Gears Fwd/Rev 5-forward and 1-reverse gear

**Suspension System:**

Type Torsion bars with hydraulic shock absorbers

Steering Power Steering to front four wheels

Brakes Power Assist

Turning Radius 12.6 m (41.3 ft)

No/Wheels 8

Tire Size 13.00x18 Run-flat, good for up to 200 km (124 m) at 20 km/h (12.4  
 mph) at zero pressure

**General Data:**

Elec Voltage 24-Volt system with crew heating and engine preheater for subzero  
 temperatures

Radio(s) R-163-50PU Radio Set, R-163UP Receiver, R-173 intercom system

Speed/Land 80-85 km/h (49.7-52.8 mph) *Average Cross-Country Speed* 40 km/h  
 (24.8 mph)

Speed/Water 9-10 km/h (5.6-6.2 mph)

Range 600 km (372.5 mi) *Water* 12 hour endurance

Fording Depth Amphibious

Max Grade 30 % maximum

Side Slope 25 % maximum

Trench 2 m (78.7 in)

Step .5 m (19.7 in)

**Remarks:** Automatic fire-fighting system, bilge pumps, self-recovery winch and a  
 central tirepressure regulation system.

**Manufacturer:** Arzamas Engineering Plant, Nizhegorodskoj, Russia

