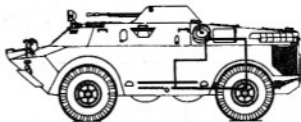


SECTION 6  
EQUIPMENT RECOGNITION



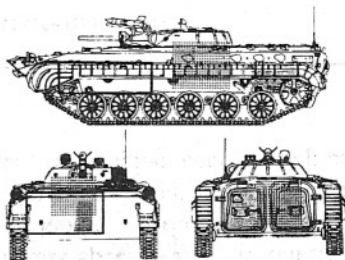


□ ENGINE AND DRIVE TRAIN

■ FUEL

## BRDM-2

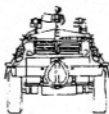
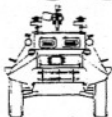
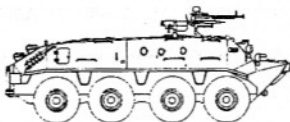
**Type:** 4 wheeled drive, armored, amphibious vehicle  
**Variants:** command, reconnaissance, chemical reconnaissance (filtration/overpressure system, rear marking flag dispenser), antitank (AT-2/3/5), surface-to-air-missile (SA-9) **Armament:** 14.5mm, 7.62mm machineguns  
**Crew:** 2 **Troops:** 6 **Hull thickness:** 10-14mm **Road range:** 750 km **Max speed water:** 10 km/hr **Max speed paved road:** 100 km/hr **Fording:** amphibious **Verticle obstacle:** .4m **Trench:** 1.25m **Other:** IR lights driver/commander, rear engine, central troop compartment



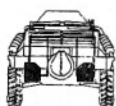
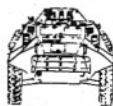
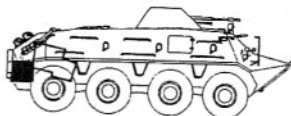
ENGINE AND DRIVE TRAIN    
 AMMUNITION    
 FUEL

### BMP-1 (KORSHUN)

**Type:** amphibious, armored, tracked infantry combat vehicle **Variants:** command, reconnaissance (BRM/BRM-1), Type WZ-501 (Chinese version, carries 4 Red Arrow AT missiles) **Armament:** 73mm smooth bore main gun with 3 km max range, 7.62mm machinegun, AT-3 **Crew:** 3 **Passengers:** 8 **Hull thickness:** 5-19mm, turret 23mm **Road range:** 500 km **Max speed water:** 6-8 km/hr **Max speed paved road:** 80 km/hr **Fording:** amphibious **Vehicle obstacle:** .8m **Trench:** 2.2m **Other:** over-pressurized for NBC protection, smoke laying capability, IR searchlight, 4 firing ports each side and 1 rear



**BTR-60PA**

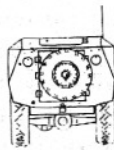
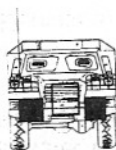
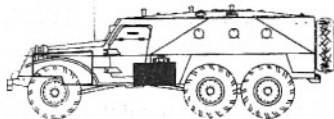


ENGINE AND DRIVE TRAIN

**BTR-60PB**

FUEL

**Type:** amphibious armored personnel carrier **Variants:** BTR-60PA (overhead armor/NBC protection), BTR-60PB (14.5mm and 7.62mm machineguns), BTR-60PU (command)  
**Armament:** 7.62mm machinegun (some with 12.7mm machinegun) **Crew:** 3 **Passengers:** 11 **Hull thickness:** 9-14mm **Road range:** 500 km **Max speed water:** 9-10 km/hr (P model/water jet propulsion) **Max speed paved road:** 80 km/hr **Fording:** amphibious **Verticle obstacle:** .4m **Trench:** 2m **Climb slope:** 30 degrees **Other:** DPRK has mostly PA and PB models, searchlight and IR equipment, vulnerable to small arms fire/fuel will ignite easily when fuel tanks punctured, 3 firing ports each side

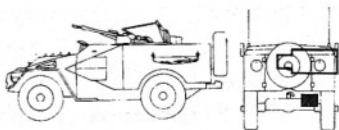
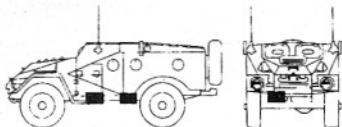


□ ENGINE AND DRIVE TRAIN

■ FUEL

## BTR-152

**Type:** wheeled armored personnel carrier **Variants:** command, twin 14.5mm machinegun for anti-air, twin 23mm cannon version has been seen **Armament:** 7.62mm machinegun **Crew:** 2 **Passengers:** 17-18 **Hull thickness:** 6-14mm **Road range:** 650 km **Max speed paved road:** 65 km/hr **Fording:** .8m **Vertical obstacle:** .6m **Trench:** .7m **Climb slope:** 30 degrees **Other:** both 4 and 6 wheeled drive, the V3 model has IR light, K model has overhead cover



□ ENGINE AND DRIVE TRAIN

■ FUEL

## BTR-40

**Type:** 4 wheeled drive command and reconnaissance vehicle

**Variants:** K model has armored roof **Armament:**

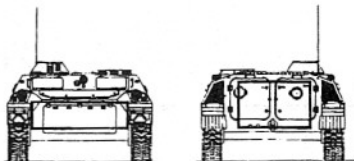
7.62mm machinegun, some may carry 14.5mm AA machinegun instead **Crew:** 2 **Troops:** 8-9 **Hull**

**thickness:** 8-13mm **Road range:** 285 km **Max speed**

**paved road:** 80 km/hr **Fording:** .9m **Vertical obstacle:**

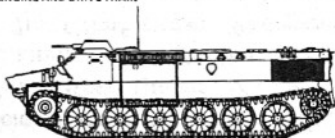
.47m **Trench:** .7m **Climb slope:** 30 degrees **Other:**

built on GAZ-63 chassis, sloping front, flat rear, open roof



□ ENGINE AND DRIVE TRAIN

■ FUEL



**MT-LB**

**Type:** amphibious, armored tracked vehicle **Variants:** command, technical support, engineer **Armament:** 7.62mm machinegun **Crew:** 2+, varies with mission **Troops:** 10 **Hull thickness:** 7-14mm **Road range:** 600 km **Max speed water:** 6 km/hr **Max speed paved road:** 80 km/hr **Fording:** amphibious **Vertical obstacle:** .7m **Trench:** 2.7m **Climb slope:** 30 degrees **Other:** IR searchlight, NBC filtration system, vulnerable to armor piercing ammunition, prime mover for artillery and as cargo or general transport vehicle



## MODEL 531A

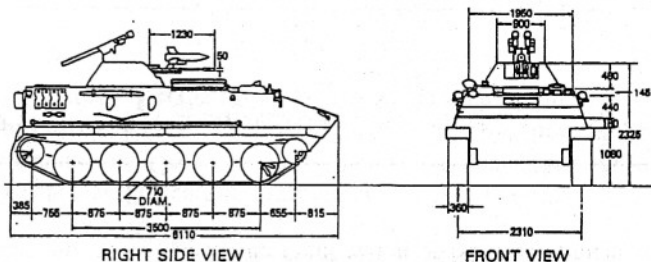
**Type:** Chinese, amphibious, armored personnel carrier

**Armament:** 12.7mm machinegun **Crew:** 4 **Troops:** 10

**Hull thickness:** 12mm **Road range:** 400-425 km **Max speed water:** 7 km/hr **Max speed paved road:** 50 km/hr

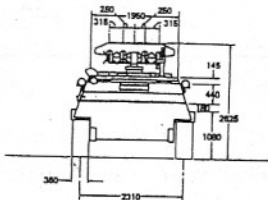
**Fording:** amphibious **Vertical obstacle:** .6m **Trench:** 2 m **Climb slope:** 32 degrees **Other:** one firing port each side, no vision blocks, no night vision or NBC equipment



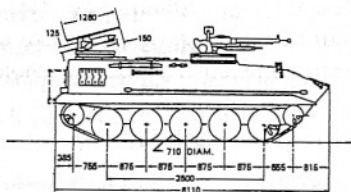


### VTT-323 (M-1973)

**Type:** The VTT 323 APC is based on the earlier Chinese YW531. The vehicle features a welded steel, box like hull with a small turret positioned just to the rear of the hull centerline. **Armament:** twin 14.5mm hvy MG, AT-3 ATGM **Hull Thickness:** 24mm **Crew:** 2 **Troops:** 13 **Road range:** 450 km **Max speed water:** 10kph **Max speed paved road:** 80 km/hr **Fording:** amphibious **Vertical obstacle:** .6m **Trench:** 2.2m **Climb slope:** 34 degrees **Other:** May also carry SA-7 SAM



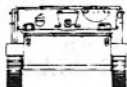
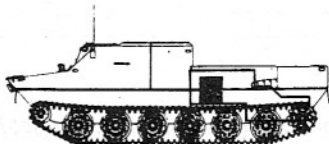
FRONT VIEW



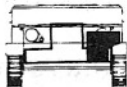
RIGHT SIDE VIEW

## TYPE 85 ATGM CARRIER

**Type:** AGTM carrier **Armament:** AT-3, 14.5mm machinegun **Crew:** 4 **Road range:** 500 km **Max speed paved road:** 65 km/hr **Speed water:** 7 kph **Climb slope:** 32 degrees **Vertical obstacle:** .6 m **Trench:** 2.2m



□ ENGINE AND DRIVE TRAIN



■ FUEL

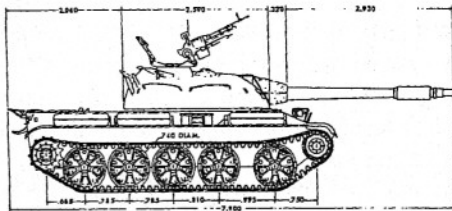
## BTR-50

**Type:** amphibious, armored personnel carrier **Variants:** BTR-50P (open top), BTR-50PK (armored roof), BTR-50PU (command vehicle) **Armament:** 12.7mm machinegun  
**Crew:** 2 **Troops:** 14 **Hull thickness:** 10mm **Road range:** 240 km **Max speed water:** 11 km/hr **Max speed paved road:** 45 km/hr **Fording:** amphibious **Vertical obstacle:** 1.1m **Trench:** 2.8m **Climb slope:** 38 degrees  
**Other:** vulnerable to small arms fire, no NBC capabilities



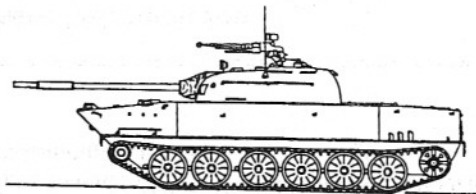
## PT-76

**Type:** Amphibious tank **Armament:** 76mm main gun  
**Max range:** 12 km **Max effective range:** 650 m **Rate of fire:** 6-8 rds/min **Stabilization:** some models  
**Ammunition:** HE-FRAG, HEAT, HVAP-T, AP-T **Armor penetration at 1,000m:** 32mm (HVAP-T), 60mm (AP-T), 120mm (HEAT, any range) **Basic load:** 40 rds **Hull thickness:** 25mm **Road range:** 260 km (450 with tanks)  
**Max fording:** amphibious **Vertical obstacle:** 1.1m  
**Trench:** 2.8m **Max speed water:** 10 km/hr **Max speed paved road:** 44 km/hr **Climb slope:** 30 degrees **Other:** 12.7mm machinegun, no night devices, no NBC protection, main gun elevation -4 to 30 degrees



## TYPE-62 LIGHT TANK

**Type:** Light tank **Armament:** 85mm cannon, 7.62mm coax and bow MG **Basic load:** 85mm - 47 rds **Max Hull Thickness:** 45mm **Road Range:** 500 km **Max Fording:** 1.3m **Vertical obstacle:** 9.7m **Trench:** 2.55m **Max speed paved road:** 60 kph **Climb slope:** 30 degrees **Other:** resembles a scaled down Type 59



## TYPE-63 LIGHT AMPHIBIOUS TANK

**Type:** The Type-63 amphibious tank's chassis is based on the Type-77 APC and its turret on the Type-62 light tank

**Armament:** 85mm cannon, 12.7mm & 7.62mm MG **Basic**

**load:** 85mm - 44 rnds **Max Hull thickness:** 23mm **Road**

**range:** 370 km **Max fording:** amphibious **Vertical**

**obstacle:** .87m **Trench:** 2.9m **Max speed water:**

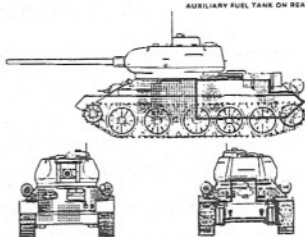
12 km/hr **Max speed paved road:** 64 km/hr **Climb slope:**

38 degrees **Other:** Resembles a scaled down Type-59

## LINE DIAGRAM UNAVAILABLE

### PT-85 (TYPE-82?)

**Type:** North Korean produced amphibious tank, based on the VTT-323 APC chassis. **Armament:** 85mm main gun, AT-3 **Hull thickness:** 30mm **Road range:** 500km **Max fording:** amphibious **Vertical obstacle:** .87m **Trench:** 2.9m **Max water speed:** 10kph **Max speed paved road:** 60kph **Climb slope:** 38 degrees **Other:** possible Chinese Jian-73 AT launcher instead of AT-3, turret similar to PT-76 with several modifications



ENGINE AND DRIVE TRAIN

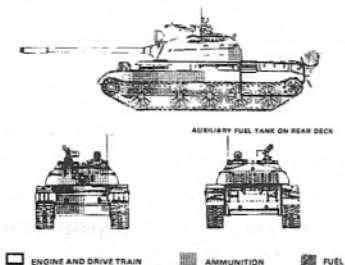
AMMUNITION

FUEL

## T34/85

**Type:** WWII vintage medium tank **Armament:** 85mm main gun **Max range:** 15,560m **Max effective range:** 900m **Rate of fire:** 3-4 rds/min **Stabilization:** no **Ammunition:** HE-T, HEAT, HVAP-T, AP-T, APC-T **Armor penetration at 1,000m:** 155mm (HVAP-T), 120mm (AP-T), 300mm (HEAT, any range) **Basic load:** 56 rds **Hull thickness:** 45mm **Turret Frontal Thickness:** 75mm **Road range:** 300 km **Max fording:** 1.3m (5.5m with snorkel) **Vertical obstacle:** .73m **Trench:** 2.3m **Max speed paved road:** 55 km/hr **Climb slope:** 37 degrees **Other:** 4 man crew, 7.62 machinegun, main gun elevation - 5 to 25 degrees





## T-54

**Type:** medium tank **Armament:** 100mm rifle-bored main gun **Max range:** 16,800m **Max effective range:** 1,500m  
**Rate of fire:** 3 rds/min **Stabilization:** yes **Ammunition:** HE-FRAG, HEAT, APDS, AP-T **Armor penetration at 1,000m:** 180mm (AP-T), 300mm (HEAT, any range)  
**Basic load:** 43 rds **Hull thickness:** 15-100mm **Turret Frontal Thickness:** 140-180mm **Road range:** 400 km (600 km with tanks) **Max fording:** 1.4m (5.5m with snorkel)  
**Vertical obstacle:** .8m **Trench:** 2.7m **Max speed paved road:** 48 km/hr **Climb slope:** 30 degrees **Other:** 12.7mm and 7.62mm machineguns; IR driver, gunner, and commander



AUXILIARY FUEL TANK ON REAR DECK



ENGINE AND DRIVE TRAIN



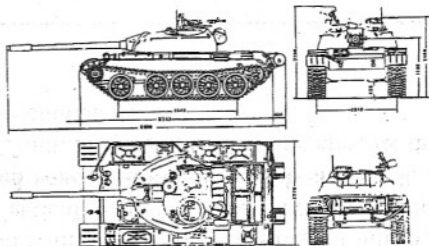
AMMUNITION



FUEL

## T-55

**Type:** medium tank **Armament:** 100mm main gun **Max range:** 16,800m **Max effective range:** 1,500m **Rate of fire:** 3 rds/min **Stabilization:** yes **Ammunition:** HE-FRAG, HEAT, APDS AP-T, APC-T **Armor penetration at 1,000m:** 180mm (AP-T and APT-T), 390mm (HEAT, any range) **Basic load:** 43 rds **Hull thickness:** 15-100mm **Turret Frontal Thickness:** 140-180mm **Road range:** 400 km (650 km with tanks) **Max fording:** 1.4m (5.5m with snorkel) **Vertical obstacle:** .8m **Trench:** 2.7m **Max speed paved road:** 50 km/hr **Climb slope:** 30 degrees **Other:** 12.7mm and 7.62mm machineguns, IR driver, gunner and commander



### TYPE-59

**Type:** medium tank **Armament:** 100mm rifle-bored main gun **Max range:** 16,800m **Max effective range:** 1,500m  
**Rate of fire:** 3 rds/min **Stabilization:** yes **Ammunition:** HE-FRAG, HEAT, APDS, AP-T **Armor penetration at 1,000m:** 180mm (AP-T), 300mm (HEAT, any range)  
**Basic load:** 43 rds **Hull thickness:** 15-100mm **Turret Frontal Thickness:** 140-180mm **Road range:** 400 km (600 km with tanks) **Max fording:** 1.4m (5.5m with snorkel)  
**Vertical obstacle:** .8m **Trench:** 2.7m **Max speed paved road:** 48 km/hr **Climb slope:** 30 degrees **Other:** 12.7mm and 7.62mm machineguns; IR driver, gunner, and commander

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Equipment Recognition

6-20