**MI 24 Russian Hind Specs**

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| **Role** | Assault, gunship, antitank  |
| **Similar Aircraft** | AH-1 Cobra (all models), UH-60 Black Hawk, AH-64 Apache, Mangusta A129  |
| **Blades**  | Main rotor: 5Tail rotor: 3  |
| **Rotor diameter** | Main Rotor : 17.3 metersTail Rotor: 3.9 meters  |
| **Wing span** | 6.5 meters  |
| **Length** | Length : 21.6 m (rotors turning)Length : 17.5 m (fuselage)  |
| **Height** | 13 ft., 11 in.6.5 meters (gear extended)  |
| **Cargo Compartment Dimensions** | Floor Length: 2.5 metersWidth: 1.5 metersHeight: 1.2 meters  |
| **Weight** | Maximum Gross: 11,500 kgNormal Takeoff: 11,100 kgEmpty: 8,500 kg  |
| **Fuel** | Internal: 1,840 litersInternal Aux Tank (in cabin): 1,227 litersExternal Fuel Tank: 500 liters ea.  |
| **Engine** | 2 x 2,200 shp Isotov TV-3-117 turbines  |
| **Maximum speed** | 168 mph / 335 km/h  |
| **Cruising speed** | 295 km/h  |
| **Range** | Normal Load: 450 kmWith Aux Fuel: 950 km  |
| **Service Ceiling** | 4,500 meters  |
| **Hover**  | out of ground effect: 1,500 metersin ground effect : 2,200 meters  |
| **Vertical Climb Rate**  | 15 m/s  |
| **Max �G� Force**  | 1.75 g  |
| **Standard Payload** | Internal load: 8 combat troops or 4 littersExternal weapons load: 1,500 kgExternal load (no weapons): 2,500 kg  |
| **Armament** | 12.7-mm 4x Barrel Machinegun, YaKB-12.7:Range (m): (practical) 1,500Elevation/Traverse: 20� up to 60� down/ 120�Ammo Type: HEFI, APT, Duplex, DuplexTRate of Fire (rpm): up to 4,500 (pilot selectable) 30-mm Twin Barrel Cannon, GSh-30K:Range (m): (practical) 4,000Elevation/Traverse: None (rigidly mounted)Ammo Type: HEFI, HEI, APT, APE, CCRate of Fire (rpm): 300, or 2,000 to 2,600  750 - 1x twin 30-mm gun, or  1,470 - 12.7-mm 4 barrel turret gun  2-12 - AT-2C or AT-6C Spiral ATGMs  2-4 - 80-mm S-8 rocket pods (20 ea.)  2-4 - 57-mm S-5 rocket pods (32 ea.)  940 - GSh-23L twin 23-mm MG pods  4 - 250-kg bombs FAB-250  2 - 500-kg bombs  500 liters External fuel tanks Most Probable Armament  HIND D: Turret-mounted 4-barrel 12.7-mm Gatling type machinegun, 57-mm rockets, AT-2C/ SWATTER ATGMs.  HIND E: Turret-mounted 4-barrel 12.7-mm Gatling type machinegun or twin barrel 23-mm turret gun, 57-mm rockets, AT-6C/ SPIRAL ATGMs.  HIND F: Fixed 30-mm twin gun on the right fuselage side, 57-mm rockets, AT-6C/ SPIRAL ATGMs. Loaded combat troops can fire personal weapons through cabin windows.  |
| **Sensors** | FLIR, RWR, laser designator  |
| **AVIONICS** |  The ATGM targeting system uses a low-level light TV, a laser designator, FLIR, air data sensor, and a missile guidance transmitter.  HIND D versions are primarily daytime aircraft only. Some HIND E and Mi-35 series export versions have upgraded night and weather capabilities, better avionics, weather radar, autopilot, HUD, GPS, NVG compatibility, more armor, and an increased weapons load provided by the French company Sextant Avionique.  |
| **Survivability** |  Main and tail rotors electrically deiced.  Infrared signature suppressors can be mounted on engine exhausts.  Radar warning receivers, IFF, Infrared jammer, rotor brake, chaff and flares.  Armored cockpit.  |
| **Crew** | Two (pilots in tandem cockpits) |

DUBICATE FILE (Without Table)

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**Weight** Maximum Gross: 11,500 kg
Normal Takeoff: 11,100 kg
Empty: 8,500 kg

**Fuel** Internal: 1,840 liters
Internal Aux Tank (in cabin): 1,227 liters
External Fuel Tank: 500 liters ea.

**Engine** 2 x 2,200 shp Isotov TV-3-117 turbines

**Maximum speed** 168 mph / 335 km/h

**Cruising speed** 295 km/h

**Range** Normal Load: 450 km
With Aux Fuel: 950 km

**Service Ceiling** 4,500 meters

**Hover**  out of ground effect: 1,500 meters
in ground effect : 2,200 meters

**Vertical Climb Rate**  15 m/s

**Max �G� Force**  1.75 g

**Standard Payload** Internal load: 8 combat troops or 4 litters
External weapons load: 1,500 kg
External load (no weapons): 2,500 kg

**Armament** 12.7-mm 4x Barrel Machinegun, YaKB-12.7:
Range (m): (practical) 1,500
Elevation/Traverse: 20� up to 60� down/ 120�
Ammo Type: HEFI, APT, Duplex, DuplexT
Rate of Fire (rpm): up to 4,500 (pilot selectable)

30-mm Twin Barrel Cannon, GSh-30K:
Range (m): (practical) 4,000
Elevation/Traverse: None (rigidly mounted)
Ammo Type: HEFI, HEI, APT, APE, CC
Rate of Fire (rpm): 300, or 2,000 to 2,600

 750 - 1x twin 30-mm gun, or

 1,470 - 12.7-mm 4 barrel turret gun

 2-12 - AT-2C or AT-6C Spiral ATGMs

 2-4 - 80-mm S-8 rocket pods (20 ea.)

 2-4 - 57-mm S-5 rocket pods (32 ea.)

 940 - GSh-23L twin 23-mm MG pods

 4 - 250-kg bombs FAB-250

 2 - 500-kg bombs

 500 liters External fuel tanks

Most Probable Armament

 HIND D: Turret-mounted 4-barrel 12.7-mm Gatling type machinegun, 57-mm rockets, AT-2C/ SWATTER ATGMs.

 HIND E: Turret-mounted 4-barrel 12.7-mm Gatling type machinegun or twin barrel 23-mm turret gun, 57-mm rockets, AT-6C/ SPIRAL ATGMs.

 HIND F: Fixed 30-mm twin gun on the right fuselage side, 57-mm rockets, AT-6C/ SPIRAL ATGMs.

Loaded combat troops can fire personal weapons through cabin windows.

**Sensors** FLIR, RWR, laser designator

**AVIONICS**  The ATGM targeting system uses a low-level light TV, a laser designator, FLIR, air data sensor, and a missile guidance transmitter.

 HIND D versions are primarily daytime aircraft only. Some HIND E and Mi-35 series export versions have upgraded night and weather capabilities, better avionics, weather radar, autopilot, HUD, GPS, NVG compatibility, more armor, and an increased weapons load provided by the French company Sextant Avionique.

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 Armored cockpit.

**Crew** Two (pilots in tandem cockpits)