



MIL
Mi-17-1V
ASSAULT TRANSPORT
HELICOPTER

Purpose

The Mi-17-1V modification of the Mi-17 multipurpose helicopter is intended primarily for airlifting assault troops and engaging hostile light armour materiel and manpower. Its two TV3-117VM turbo-shaft engines are uprated to enhance, as compared with the Mi-17 helicopter, available power and lift capacity, service and hovering ceilings, as well as to considerably improve altitude and climatic flight characteristics, especially in "hot and high" conditions. If one engine fails, output of the other is increased automatically to contingency rating of 2200hp.

The on-board AI-9V auxiliary power unit provides ground engine start with bleed air at mountainous sites situated as high as 4,000m and testing of systems and equipment. One or two additional fuel tanks can be installed in the cargo cabin to extend Right range.

The Mi-17-1V helicopter is produced in the following specialised versions:

- **Combat;**
- **Assault-carrying** (up to 30 troops);
- *"Flying hospital" (with medical equipment and 12 stretchers on board);
- *Cargo (up to 4,000 kg inside the cabin or up to 3,000 kg on a sling).

Weapons System

The Mi-17-1V combat version can carry external stores (rockets, missiles, guns and bombs) on six outrigger pylons. Its bombing system provides aimed destruction of area and group ground targets, including light armour materiel and concrete fortifications, with 50-500 kg bombs as well as air dropping of special cargoes in VFR conditions, both by day and night.

Rocket armament can include up to four B8V20-type pods with 20 80mm C-8 rockets in each.

Four UPK-23-250 gun pods each containing 23mm GSh-23L guns can be suspended to engage both ground and aerial targets.

To protect the front and rear hemispheres of the helicopter PKT-type remotely-controlled machine-guns with independent electric power supply are installed.

There are 8 pivot mounts for assault troopers to fire their small arms.

Survivability

There are passive and active countermeasures systems on board to protect the helicopter against guided weapons with thermal seekers. To reduce IR signature of the helicopter an engine exhaust screening device is installed.

The crew is protected from small arms fire with armour plates mounted on floor in lower front and rear parts of the pilot cabin, as well as under the gunner station by the cargo doors. The panel of the hydraulic system is also armoured.

Operational capabilities of the Mi-17-1V transport helicopter can be expanded by fitting detachable specialised equipment for conducting search and rescue operations, fire fighting, jumps with parachutes, aerial photography, etc.

Tubular skids can additionally be fitted to allow landing on soft soil/deep snow, or a buoyancy system for emergency landing on water.

A reliable anti-icing system is also available.



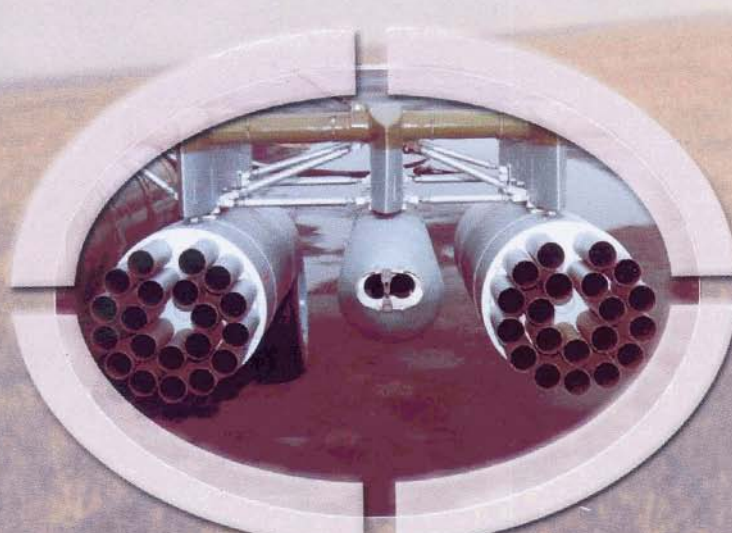
Avionics

To ensure round-the-clock flights both in fair and adverse weather conditions the helicopter is equipped with a flight-navigational system, autopilot and radio communication aids.

At customer's request the Mi-17-1V helicopter can be provided with crew oxygen equipment and avionics of Western origin, for instance tactical (VOR/ILS, DME) and long-range (OMEGA, LORAN) navigation systems, meteorological radar for detection of thunderstorm fronts and hard cumuli, as well as evaluation of flight hazards and solution of navigational and orientation tasks.



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Mi-17-1V Helicopter Basic Characteristics

Takeoff weight (TOW), kg:

normal	11,100
maximum	13,000

Maximum payload, kg:

internal	4,000
external	3,000

Indicated airspeed at normal TOW, km/h:

maximum	250
cruise	240

Service ceiling, m:

at normal TOW	6,000
at maximum TOW	4,800

Hovering ceiling at normal TOW, m	4,000
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Range with standard tanks and 5% reserve, km:

at normal TOW	495
at maximum TOW	465

Range with standard and additional tanks

at normal TOW, km	950
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Overall length (with rotating main and tail rotors), m	25.352
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Cargo cabin volume, m ³	23
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Cargo cabin dimensions (length x width x height), m	5.34x2.24x1.8
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Crew, persons	3
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