



AIRCRAFT TOOLS CONSULTING



Multi-purpose transport Mi-8MTV-1 helicopter

MI-8MTV-1 (MI-17-1V)

Multi-purpose transport Mi-8MTV-1 helicopter has unique performance and operational characteristics. The helicopter can be exploited practically in all climatic zones. The design and the equipment of Mi-8MTV-1 helicopter allow operations at independent basing on any platform.

The main designation of the helicopter is the carrying of cargoes of up to 4 tons in the cargo cabin. The cabin has a big cargo hatch with opening flaps in the rear of the fuselage, strengthened flooring and knots for securing of cargoes. The helicopter can be equipped with an external load sling system with a capacity of up to 4 tons for transporting large cargo and with a winch with a capacity of 150 kg.

The helicopter may be used for carrying passengers. To do so the cargo cabin is equipped with a heating and ventilation system and has collapsible seats for up to 24 passengers. It can be converted for air ambulance duties, with accommodation for 12 stretchers with the relevant medical equipment and a tip-up seat for a medical attendant. The helicopter can also be used as a rescue machine with an electric hoist with a boom, over the movable door of the fuselage.



Performance and characteristics:

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| Maximum take-off weight, kg | - 13,000 |
| Normal take-off weight, kg | - 11,100 |
| Base weight without load, kg | - 7,100 |
| Maximum cargo capacity of cargo cabin, kg | - 4,000 |
| Maximum external load, kg | - 4,000 |
| Cargo cabin volume, cu m | - 23 |
| Cargo cabin overall dimensions, m | - 5.34 x 2.34 x 1.80 |
| Fuselage dimensions, m: length | - 18.42, height - 4.76, width - 2.50 |
| Maximum speed with normal take-off weight, km/h | - 250 |
| Cruise speed with normal take-off weight, km/h | - 230 |
| Flight range with fuel in main tanks, km | - 650 |
| Flight range with extra tanks, km | - 1,100 |
| Maximum flying height at normal take-off weight, m | - 6,000 |
| Rate of climb, m/s | - 9 |
| Rotor's diameter, m | - 21.29 |
| Power plant: 2 x Klimov TV3-117VM | - 2,200 hp each |
| Crew | - 3 (two pilots, one mechanic) |
| Passengers | - 24 |



