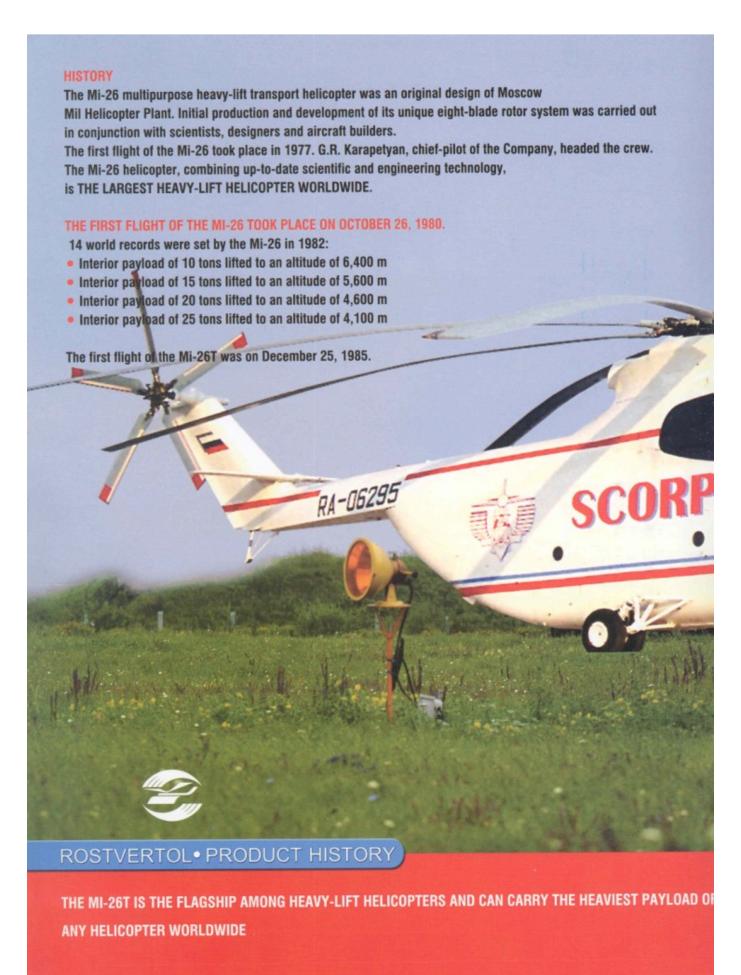
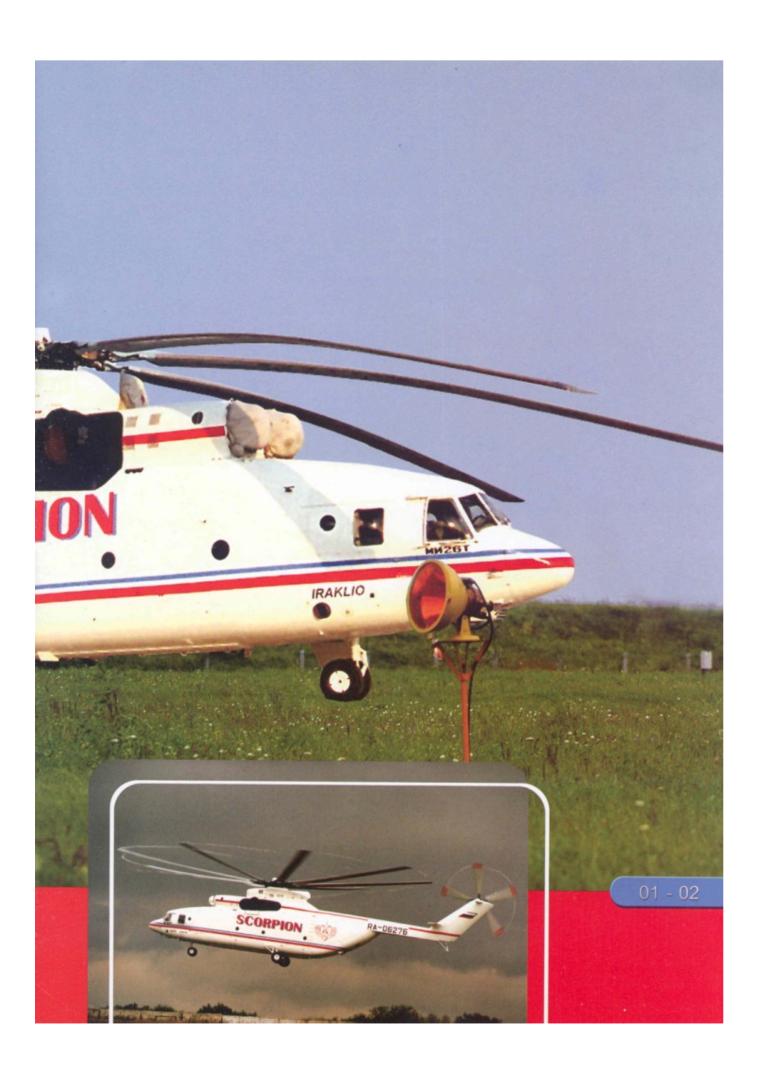


### ROSTVERTOL

## 111-267







### CREATED FOR SUCCESS

The Mi-26T helicopter is designed for autonomous operation and does not require special ramps or ladders as the engine and main gear box cowlings serve as ramps when open.

An auxiliary power unit provides:

- Internal engine starting
- Power for operating internal loading equipment during cargo handling operations
- Inspection of airborne equipment
- Air conditioning in the cockpit
- Heating and ventilation of the cargo compartment on ground

The power plant is fitted with a main rotor automatic speed control and power equalisation system. In case of failure of one engine, the power of the other engine automatically increases up to maximum, providing flight at full load until landing.

The engines are equipped with dust-protection devices to provide protection of the gas flow duct.

The cockpit is pressurised, comfortable, has excellent layout and visibility.

The flight and navigation equipment meets international standards.

The Mi-26T can fly day or night, in all-weather conditions.





**ROSTVERTOL • MI-26T** 

ITS UNIQUE LIFTING CAPACITY, MULTI-PURPOSE OPERATIONAL FLEXIBILITY AND RELIABILITY, ALLOW THE MI-26T TO BE USED IN A VARIETY OF CONFIGURATIONS AND APPLICATIONS



### APPLICATION VERSIONS

The Mi-26T - multipurpose wide-fuselage transport helicopter represents the pinnacle of the new generation of heavy-lift helicopters and is the largest heavy-lift in the world.

It is intended for the carriage of equipment and bulky cargo with a payload up to 20 tons, either in the cargo compartment or on an external sling.

The Mi-26's equipment enables it to fly around the world on international routes. Its unique lifting capacity, multipurpose use, flexibility and reliability allow the Mi-26T to secure a constantly expanding role and increase its sphere of influence worldwide.

At present the helicopter is successfully used:

- On construction sites
- For the installation of electric power lines
- For raising of rigs and equipment
- For bridge/engineering construction and other complex engineering structures
- For fire-fighting
- For logging
- For fuel supply and refuelling
- For evacuation of casualties from remote and inaccessible regions in emergency situations





03 - 04



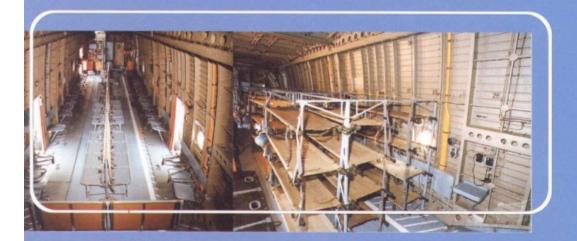
The assault-transport version of the Mi-26(T) is intended for transporting self-propelled and caterpillar vehicles, as well as for construction works at military sites and operations in disaster areas.

The helicopter has a radar warning system and is fitted with a remote decoy-firing system to counter heat-seeking missiles. The cockpit is armour-plated.

The helicopter can be quickly re-configured into:

An assault version completed with 82 light-weight seats

A medical version for transportation of 60 casualties on stretchers with three medical attendants.

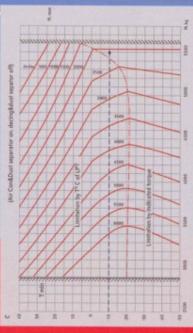




**ROSTVERTOL • MI-26T** 

THE MI-26T'S VAST CARGO CABIN ENABLES THE TRANSPORTATION OF BULKY CARGO WITH A PAYLOAD OF 20 TONS INSIDE THE FUSELAGE





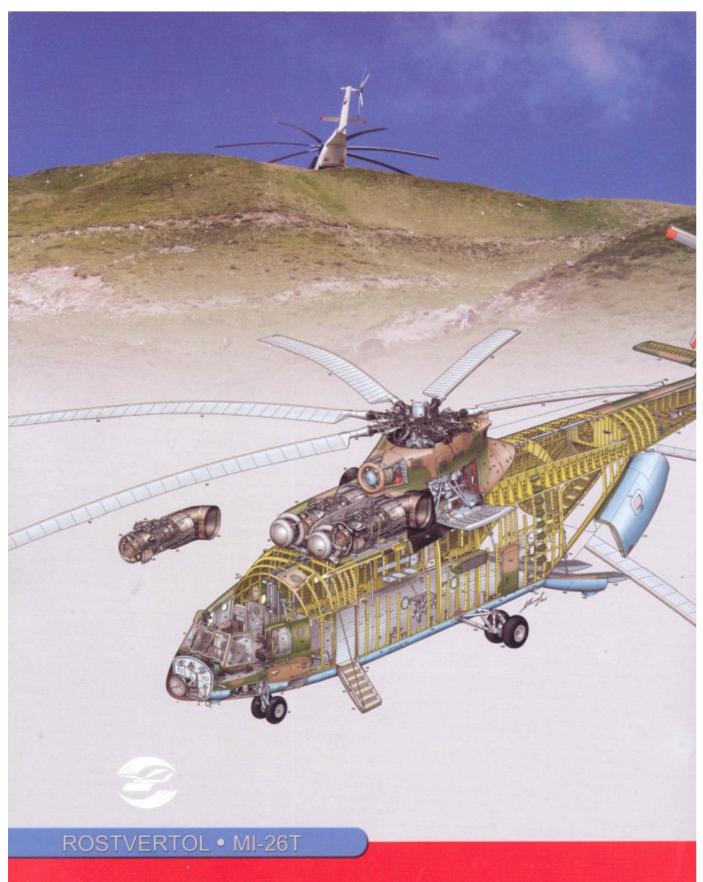
### TRANSPORTATION OF CARGO INSIDE THE CARGO CARIN

The helicopter's vast cargo cabin (length - 12m, width - 3.2m, height - 3.1 m) allows for the transportation of large vehicles and cargo weighing up to 20 tons, inside the fuselage.

Loading is carried out through a cargo door in the tail section of fuselage with a lowering ramp and ramp extensions.

Mechanisation of cargo handling operations in the cargo compartment is handled by two electric winches and a telpher, that enables handling of cargo up to 6 tons along the cabin. A clearance control system is available for loading bulky cargo.

05 - 06



LAY-OUT OF MI-26(T) HELICOPTER









### **ROSTVERTOL • MI-26T**

A LARGE LIFTING CAPACITY, HIGH-PRECISION MOUNTING AND COMFORTABLE CREW

WORKING CONDITIONS MAKE THE HELICOPTER IRREPLACEABLE DURING CONSTRUCTION-RIGGING

WORK IN REMOTE AND INACCESSIBLE REGIONS





### TRANSPORTATION OF CARGO ON THE EXTERNAL SLING

The Mi-26T helicopter is used for constructing bridges, the mounting and transportation of heavy industrial equipment, and the raising of rigs and electric power lines.

The helicopter can be fitted with a side external Operator's cabin and modernised external sling with central cable.





### FIRE-FIGHTING

The firefighting version of the Mi-26T with VSU-15A water discharge system on the external sling is designed for:

- Extinguishing and containing of fires in tundra, steppe, forest-steppe, forest and mountainous areas
- Extinguishing and containing of industrial and domestic fires
- Delivery of mobile fire-fighting units, wheeled and non-wheeled vehicles as well as fire-fighters, to remote and inaccessible regions.

The VSU-15A water discharge system on the external sling enables the intake of water for extinguishing fire, in hover mode, from any reservoir, lake or area of shallow water.

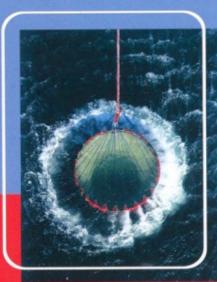
Water intake and discharge are controlled remotely from the operator's control panel. When required, the VSU-15A can be disconnected and the helicopter can be used for transportation of materiel and bulky cargoes. Fire-fighting complex includes:

- VSU-15A water discharging device
- External sling, providing transportation of VSU-15A, and water intake and discharge control
- Means of crew's radio communication with ground fire divisions.



**ROSTVERTOL • MI-26T** 

OPERATIONAL EXPERIENCE OF THE MI-26T HAS SHOWN THAT DURING FIREFIGHTING OPERATIONS, IT IS 70 PERCENT MORE EFFICIENT THAN LIGHT AND MEDIUM HELICOPTERS



The Refueller is designed for the transportation of different types of fuel (kerosene and diesel) and lubricants. The onboard equipment allows for autonomous refuelling both of aircraft and ground equipment. The modular equipment consists of two carts complete with fuel tanks, pumping equipment, control panels, distribution hoses and fuel transfer counters.





The refuelling tanks intended for transportation of avgas can also be used as extra fuel tanks to increase the helicopters ferry range. The onboard refuelling equipment installed in the helicopter's cargo cabin is available in two versions:

- Avgas
- Diesel



The Mi-26T Refueller has the same performance as the basic helicopter. Capacity of transported fuel - 14,040 I.





- Additional automatic control system (SAU) preserving the existing 4-channel auto-pilot system
- Helicopter operational status and equipment operating time monitoring system
- Integrated navigation, flight planning and communication system
- Precise automatic hovering control system
- Map display system
- Electronic display system (five multifunctional colour displays)
- Night vision goggles (NVG)
   Interior and exterior lights adapted to night vision goggles

The capabilities of the integrated radio-electronic systems, operational status and operating time monitoring systems allows for reduction in crew numbers to two to three persons.

### **Crew members:**

- First Pilot- Captain
- Second Pilot- Navigator
- Flight Mechanic External Sling Operator (if required).

### Introduction of BREO systems results in:

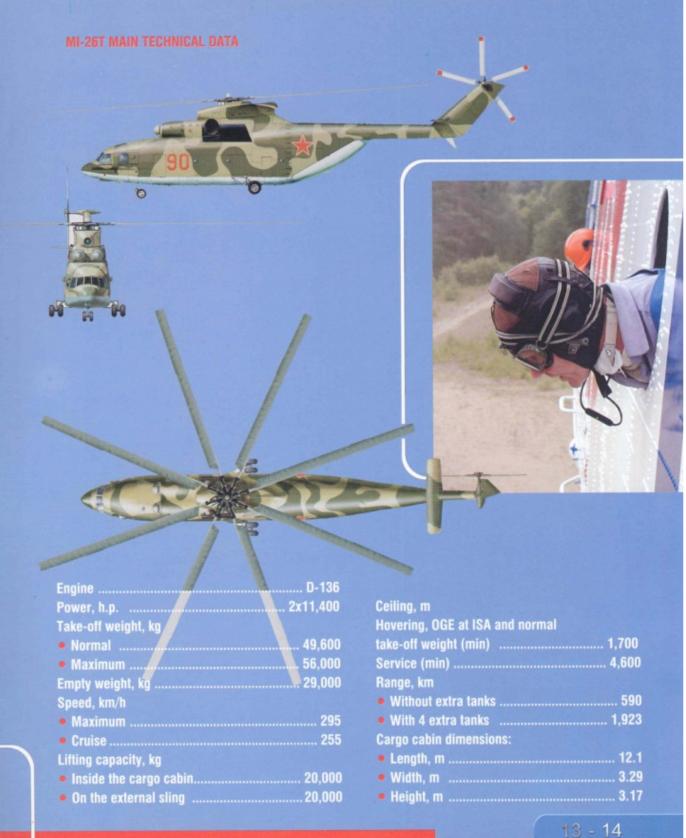
- Reduced operating costs due to reduction in crew numbers
- Enhanced reliability and flight safety
- Improved helicopter performance
- Improved helicopter stability and controllability plus precision hovering ability when undertaking delicate operations
- Meeting required safety standards for civil airline use
- Permitting H24 flights and in all-weather conditions
- Enabling flights over sea and ocean
- Reduction in maximum weight
- Flight planning and in-flight changes to the flight plan
- Reducing the crew's flight plan time processing time prior to flight
- Reducing crew workload in flight (automatic monitoring of airborne systems critical parameters)
- Improvements to cabin ergonomics and, as a result, the crew's working conditions.



### **ROSTVERTOL • MI-26T**

THE CAPABILITIES OF THE INTEGRATED RADIO-ELECTRONIC SYSTEMS. OPERATIONAL STATUS AND OPERATING TIME MONITORING SYSTEMS ALLOW FOR THE REDUCTION IN CREW NUMBERS TO TWO TO THREE PERSONS







# 111-26



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