



MEET THE MI-38VERYVIP

News / Business aviation, Manufacturer





Mi-38 Multipurpose Middle-Class Helicopter

-  Power 2 x 2 800 hp
-  MTOW 15 600 kg
-  Passengers: up to 30
-  Cruise speed 285 km/h
-  Crew: 1-2
-  Service ceiling 6000 m
-  Operation temperature $-50^{\circ}\text{C} \div +50^{\circ}\text{C}$
-  Legacy of Mi-8/17 helicopters
-  Type Certificate
Full compliance with aviation regulations
AP-29 (Russia), CS-29 and FAR-29
-  Advanced technologies, components,
systems and materials

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Mi-38 belongs to the niche of medium helicopters according to the classification of the Russian market. Today I will tell you about our modern corporate helicopter - the Very-VIP category Mi-38. Why VVIP, and not just VIP? Because there are very few helicopters of this class in principle in the world.

The exhibition RUBAE-2018 presented foreign VIP-class helicopters. And if you look at these foreign analogues, you cannot compare them with the Mi-38, because this is a completely arc class. The maximum take-off weight of our helicopter is three times larger. According to its capabilities, I would compare it with business jets. But the helicopter is a unique machine for its tasks. The advantage of the helicopter is the ability to fly to any destination, regardless of the availability of aviation infrastructure.

According to the technical requirements of the new helicopter had to surpass the Mi-8 in all characteristics. In cooperation with helicopter operators, we created a new generation helicopter

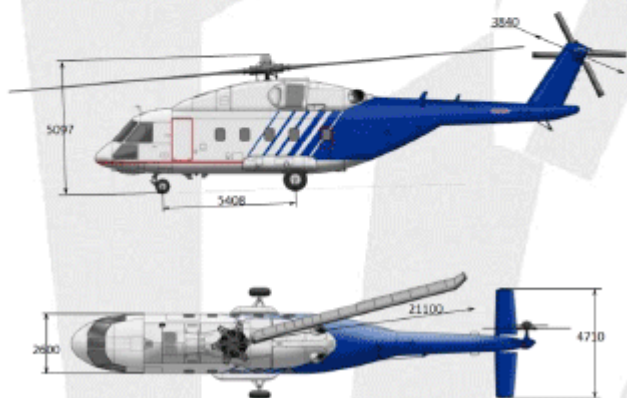
that complies with all aviation regulations, including foreign ones. He received a type certificate and now several machines are already in production. The design of the helicopter combines advanced technology and modern units, systems, materials. In general, all this has allowed to achieve a new level of technical characteristics.

Performances & Dimensions

FLIGHT PERFORMANCE	
Cruise speed, km/h	285
Max speed, km/h	300
Hover ceiling OGE (ISA, MTOW), m	3 100
Service ceiling (ISA, MTOW), m	6 000
Flight range with 3,655 kg load, km	850
Flight range with auxiliary fuel tanks and 2,500 kg load, km	1 200
Number of passengers	29+1

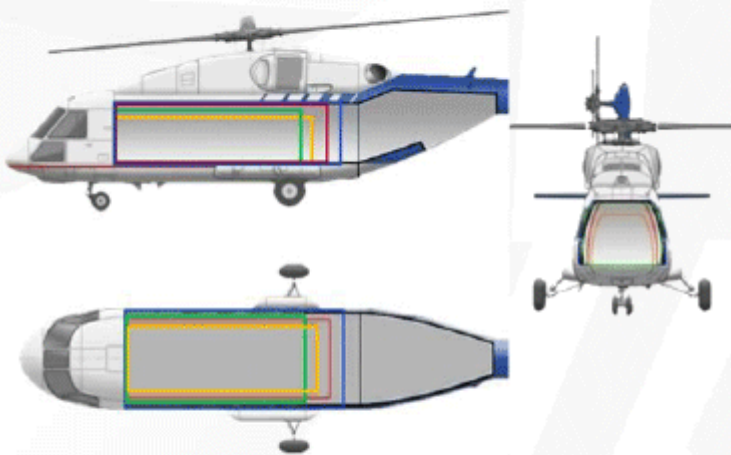
WEIGHT PARAMETERS	
Max Take off weight (MTOW), kg	15 600
Internal load, kg	6 000
External load, kg	7 000

ENGINES	
Takeoff power, hp	2 x 2800
Contingency power, hp	2 x 3750



Mi-38 sets new standards in its class of helicopters. The helicopter is equipped with two new and more powerful Russian-made TV7-117V engines with the FADEC system. The design feature of the helicopter is that the engines are torn down closer to the tail boom, which reduces the noise level in the cabin and increases safety. The use of an X-shaped tail rotor also reduces the noise level, and increases the helicopter's travel stability. In the design of the helicopter used composite materials. First of all, I mean the helicopter blades, which improves its flight performance and increases the resource.

CARGO CABIN



- H225/225M
- S-92A
- Mi-8/17
- AW-101
- Mi-38

**The biggest cabin volume of
29.9 m³ in this class of
helicopters**

ALL-NEW AVIONICS



- Reduced crew
- Glass cockpit
- Automatic flight control
- Round-the-clock surveillance system
- IFR/VFR flights
- HUMS

The main feature of this helicopter is the size of its passenger cabin. Only in the cockpit of a Mi-38 helicopter you can get up to full height, and not “crawl on your knees”. The cabin is so large that it allows you to place additional staff. The slide shows a comparison of the size of the cabin with its main competitors. The helicopter is equipped with a modern on-board equipment complex, which allows it to be operated during the day and at night in the harshest weather conditions.

On Duty



PASSENGER
Up to 30 travelers with comfortable
0,75m² seating



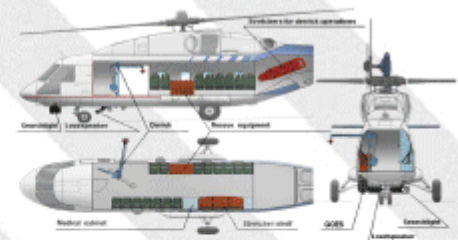
TRANSPORT
Unprecedented 7t external load



EMS
Up to 8 stretchers with medical
attendants and resuscitation
equipment



OFFSHORE
Full OGP requirements compliance



SEARCH & RESCUE
SAR equipment: Goodrich hoist for 132/272 kg,
searchlights, round-the-clock surveillance system

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This powerful technical base accompanies the helicopter cabin. The helicopter has a unique interior. It was developed according to the requirements for the helicopter cabin of the first persons of the states. Therefore, it combines all the best that only in the world exists.

VIP beyond your mind

MIL Mi-38 VIP



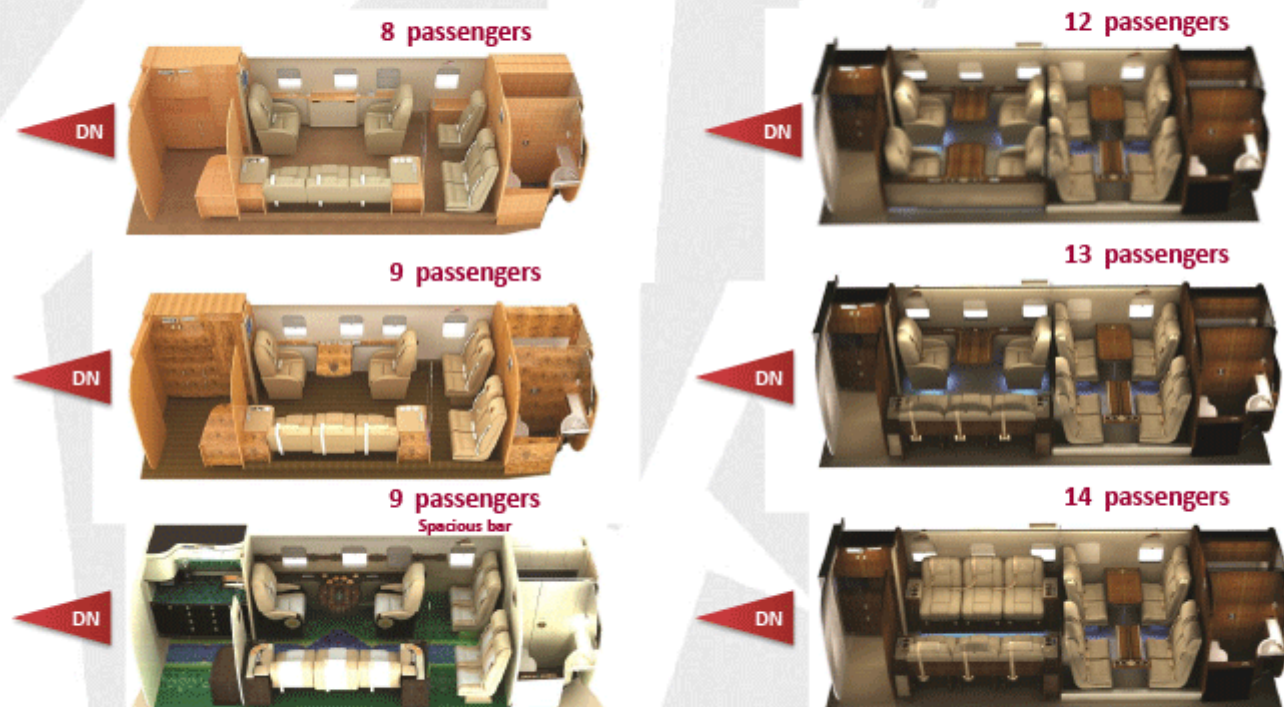
The most spacious, comfortable and safe
VIP cabin in its class



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Tailored approach



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We use an individual approach in the design of the cabin. Various cabin configurations are possible from 8 to 14 passengers and many options.

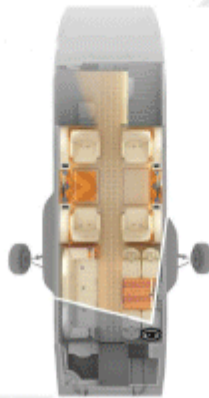
Solutions

Technologies that matter



In the modern turbulent world, responding to changes in the situation and the speed of decision making is very important. And our helicopter is ready to give it to a leading person who will transport at the highest level. This movement at high speeds, reliability, safety, flight stability and maximum comfort.

Interior options



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I want to draw your attention to the large LED monitors, which displays the current status of the flight. Chairs that rotate can be folded into a horizontal position, and in which you can comfortably relax during the flight. A flight can take a long amount of time. After all, another feature of this helicopter is that it can cover a distance of more than 1000 km on the main tanks.

Interior options

LAVATORY



COAT ROOM



BAR



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Best materials

FURNITURE



Chrome



Black rosewood



Kalogridis carpet



Batiflex New York

LINING



Marion Athens
Café au lait



Izit leather
rice classic



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Like any business jet, our helicopter has a lavatory, wardrobe and even a kitchen. In this photo you can see a folding seat for the steward who will serve you during the flight.

Interior materials are selected on request. We cooperate with Russian and foreign manufacturers of materials for our helicopter and choose only the best. For example, chrome or mahogany, carpets and leather. The main passenger will be satisfied. All materials are certified for use in aircraft technology.

After – Sales Support System

- Spare parts and aggregates are supplied by OEMs;
- Modern GSE and test equipment are produced using cutting-edge technologies;
- Digital monitoring systems to conduct checks;
- Modern virtual simulators for training;
- 24/7 Service Call Centre;
- Company's online-shop and simplified aviation spare part ordering and supplying pattern;
- Centralized spare part storage depot in Sheremetyevo Airport to ensure prompt delivery.



After – Sales Support System

Wide range of services related to the helicopter operation, such as:



Full technical support during helicopters operation;



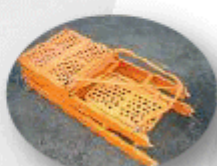
Guaranteed spare parts supply under AOG requirements during the whole period of helicopter operation;



Flight and maintenance personnel training;



Ground support equipment.



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We think about our client after the sale of the helicopter. So, we offer various life-cycle contracts that cover all after-sales service issues. We ensure that the helicopter is ready 24/7, and you forget about what service is.

"TEMPO" 24/7 Technical Support

TeMP TECHNICAL SUPPORT SERVICE FOR CIVIL HELICOPTER OPERATORS



In accordance with the best world practices, "TeMPO" service provides the technical support for civil helicopter aircraft operators online in the 24/7 mode, which speeds up processing technical requests and giving answers to customers.

Currently, each civil operator or MRO can formulate the following requests:

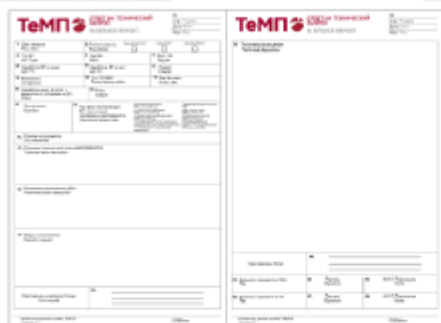
- Technical request
- Request for development manual of repair of damage aircraft structure
- Request for operational documentation clarification

The form of request at the web site provides customers with a possibility to determine the request priority status:

"AOG" - target answer time: within 3 calendar days

"CRIT" - target answer time: within 7 calendar days

"Routine" - urgent answer is not required, target answer time: within 30 calendar days



The Biggest Aviation Spare Parts E-Shop for Russian-Made Helicopters

The screenshot displays the Helicopter Service Company website interface. At the top, there's a navigation bar with links for 'Spare parts', 'Services', 'Upgrade', 'Documentation', 'Technical support', and 'Training'. A search bar is located on the right. Below the navigation bar, a banner highlights 'First category spare parts'. The main content area features a table of parts with columns for 'Item', 'Description', 'Quantity', 'Delivery time', 'Price', and 'In order'. A callout box labeled '2' points to the table, stating 'Relevant information about quantity, delivery time and price'. On the left, a sidebar shows a list of parts, with a callout box labeled '1' pointing to a specific part, stating 'Majority of items has a real photo'. On the right, a sidebar shows a user account menu with options like 'Order', 'Request', 'Request for repair', 'Request for upgrade', 'Order and request history', 'Search parts in orders', 'Profile', 'Unit: Documentation', 'Unit: Technical support', and 'Sign out'. A callout box labeled '3' points to this menu, stating 'Personal account with information about current and previous orders and requests'.

Majority of items has a real photo

Personal account with information about current and previous orders and requests

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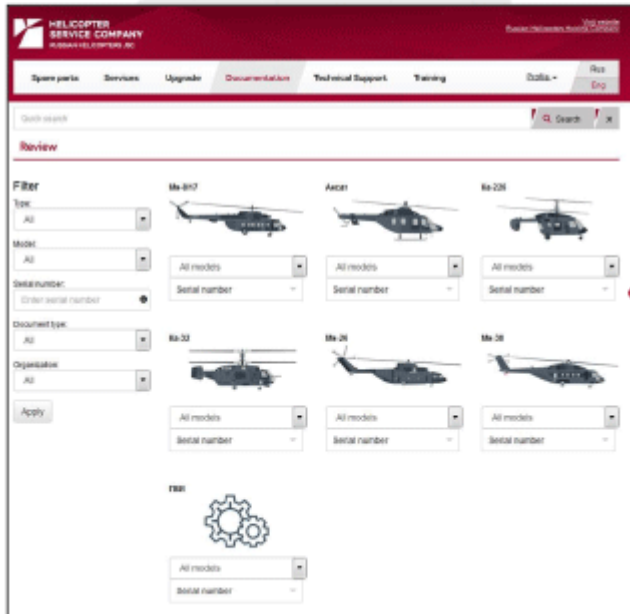
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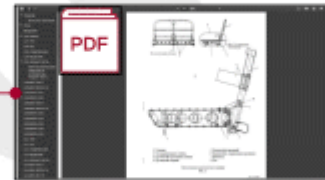
A Web Site With Up-to-Date Operational Documentation

1 HSC web site contains electronic operational documentation

2 Documentation is available in two easy-readable formats without the need for additional software



Interactive manuals



Page-oriented documents (PDF)

Advantages of Training in JSC Russian Helicopters



Computer Based Training



Full Training Device



Multimedia classrooms



Maintenance and Repair simulator stands

- The training is arranged at helicopter production and repair facilities of Russian Helicopters Holding with the use of technical infrastructure of these facilities
- There is a possibility to arrange training on the helicopters that the customer is going to purchase
- A wealth of experience in working with all categories of customers from various countries
- Modern helicopter simulators
- Training programs for all types and modifications of Russian helicopters
- Customization of training programs
- Convenient locations of training centers covering the majority of the regions in Russia

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Mi-38 VeryVIP is not a cheap pleasure, so we implement all our ideas together with our partners. And if you have a desire to purchase our helicopter, you can contact us, we will consider and offer you interesting purchase options. At the moment, we already have several machines in production, and they already have customers.

26 OCTOBER 2018

SOURCE: RUAVIATION

ARTICLE LINK:

<https://50skyshades.com/news/manufacturer/meet-the-mi-38veryvip>