

FIREFIGHTING

/// Ka-32A11BC has been chosen as a symbol of the Global Helicopter Firefighting Initiative (GHFI)



Horizontal fire extinguishing system

High efficiency in firefighting in challenging conditions

The helicopter can effectively perform tasks in of high smoke and dust conditions. It is capable of extinguishing fires on oil tankers and oil reservoirs, at fuel and chemical facilities, oil and gas extraction areas, high floors and roofs of high-rise buildings. Ka-32A11BC is also highly effective in fighting forest fires.

The helicopter is equipped with additional mission equipment: the water cannon for horizontal fire suppression and water discharge systems with capacity up to 5000 liters of fire extinguishing agent ("VSU-5", "Bambi Bucket", SP-32).



Vertical fire extinguishing system



Filling of water discharge system

CONSTRUCTION AND MOUNTING (TRANSPORT)

Exceptional precision in mounting of bulky structural components

High maneuverability and hovering stability ensured by co-axial rotor design provide exceptional precision in mounting bulky cargoes.

Helicopter compactness and absence of tail rotor increase the ground personnel safety.

High power-to-weight ratio of the helicopter allows to carry cargo and to mount structures up to 5 tons of weight.



Transportation of cargo on external sling



Building construction

SEARCH AND RESCUE

Reliable performance in challenging conditions

The helicopter design ensures resistance to corrosive marine environment and reliable operation in high humidity conditions.

Coaxial rotor design ensures stability and precision of hovering at high wind effect, which facilitates lifting of patients during SAR operations.

This allows the helicopter to operate in mountainous areas, at sea, in confined urban environments and in icing conditions.



Search and rescue in tough climatic and geographical conditions

EMS

Capability for on-board CPR



Safe patient transportation

Specialized medical module equipped with advanced intensive care unit allows performing resuscitation when transporting patients to hospitals or other emergency service facilities.

Dimensions of the transport cabin allow accommodating a patient in the resuscitation module or up to 4 patients on stretchers accompanied by medical personnel.



State-of-the-art critical care equipment suite

The medical module makes it possible to securely immobilize and transport the patient; it also houses the necessary medical supplies in operating position. Module installation and dismantling by an operator's personnel takes 20 minutes.

POLICE

High efficiency in law enforcement operations



Video surveillance system

The video surveillance systems and the loudspeakers allow police divisions to use the helicopter for patrolling streets and roads, including nighttime.



Airdrop operations

Superior precision and stability of hovering teamed with rappelling devices enable quick airdrop of special forces in a desired point.

PERFORMANCE

WEIGHT



Max takeoff weight, kg	11 000
Max takeoff weight with load on external sling, kg	12 700
Max payload, kg	
- inside transport cabin	3 700
- on external sling	5 000

ENGINES



2 x TV3-117VMA	
Takeoff power, hp	2 200
2.5-min OEI power, hp	2 400

PERFORMANCE

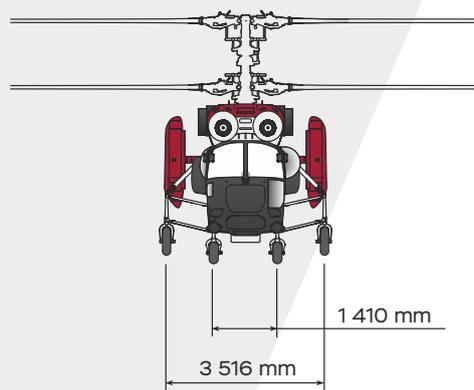
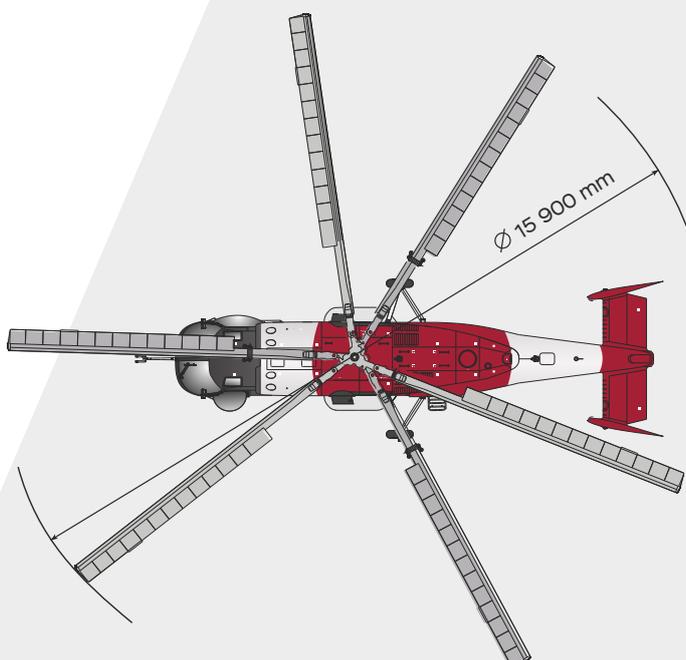
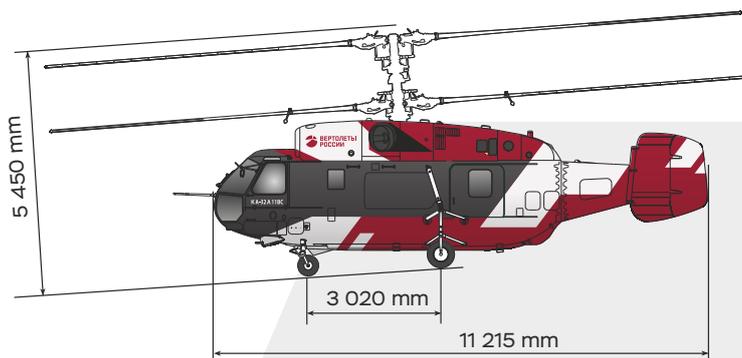


Max speed, km/h	260
Cruise speed (max continuous engine rating), km/h	245
Service ceiling, m	5 000
Max range (standard fuel), km	650
Crew	1-3
Passengers	up to 13

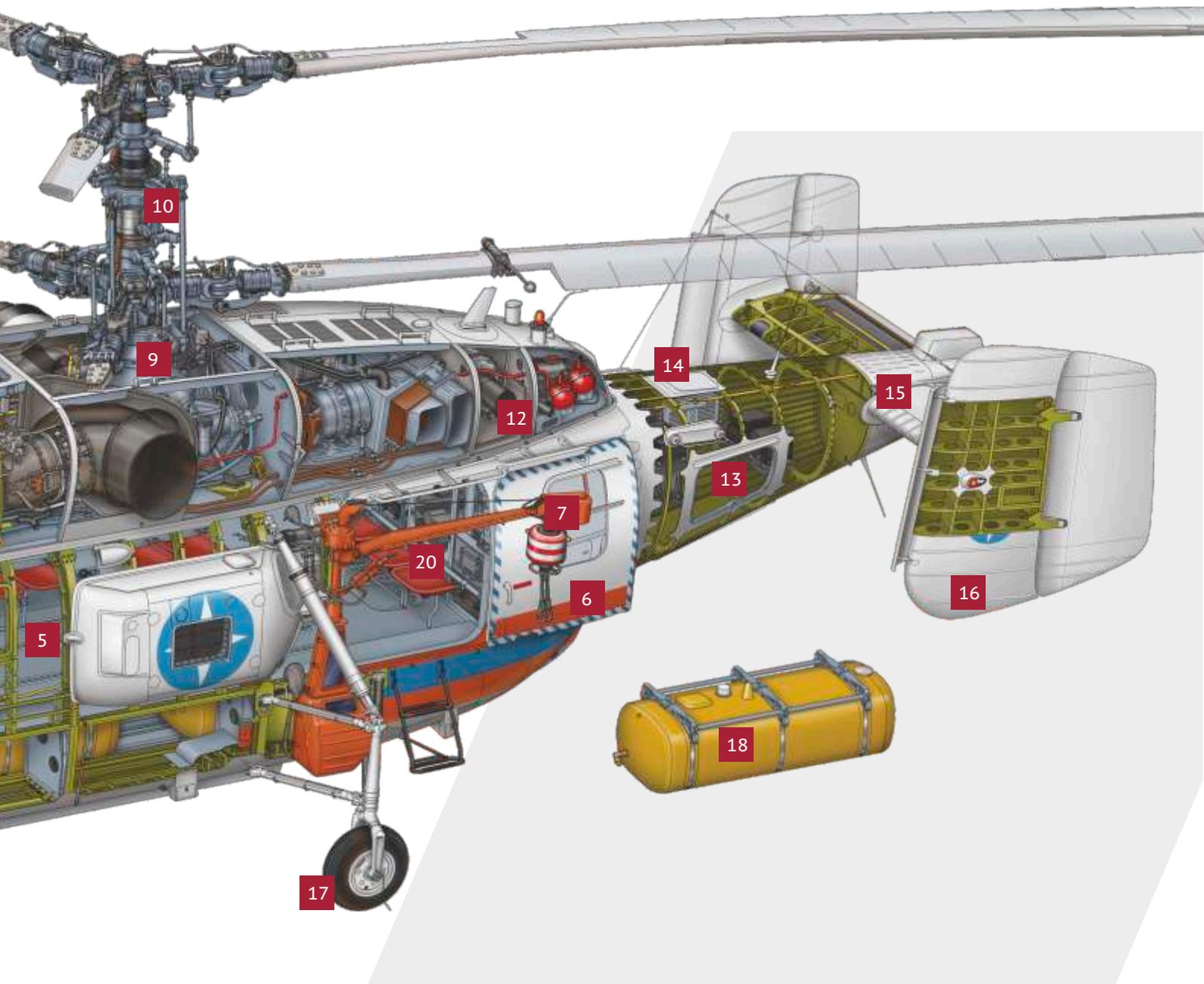
TRANSPORT CABIN DIMENSIONS



Length, mm	4 520
Max width at floor level, mm	1 450
Height, mm	1 320
Volume, m ³	7,3



▀ **Coaxial rotor design and absence of tail rotor provide high power-to-weight ratio, maneuverability and controllability in conditions where conventional helicopters are less efficient**



- | | | |
|------------------------------------|--------------------------|--|
| 1. Weather Radar | 8. Engine | 15. Horizontal Stabilizer |
| 2. Cockpit | 9. Gearbox | 16. Vertical Stabilizer |
| 3. Nose Landing Gear | 10. Rotor Mast | 17. Main Landing Gear |
| 4. Searchlight | 11. Main Rotor Blades | 18. Auxiliary Fuel Tanks |
| 5. Transport Cabin | 12. Auxiliary Power Unit | 19. Downward View Mirror |
| 6. LH Transport Cabin Sliding Door | 13. Avionics Compartment | 20. Folding Seats in the Transport Cabin |
| 7. Cargo hoist system | 14. Tail Boom | |



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**RUSSIAN
HELICOPTERS**



MULTIPURPOSE HELICOPTER

Ka-32A11BC



**engine takeoff
power**
2 x 2 200 hp



**maximum
cargo sling load**
5 000 kg



passengers:
up to 13



cruise speed
245 km/h



crew: 1-3



service ceiling
5 000 m

Ka-32A11BC

Ka-32A11BC is designed for transportation of bulky cargoes on external sling, building and construction works, logging, SAR and fire-fighting operations, medical evacuation, law enforcement and special services support operations, passenger and cargo transportation inside the cabin. The helicopter can successfully operate in densely built-up urban areas, adverse mountainous and wooded terrain, over land and water surfaces.

The helicopter is capable of operating from small unprepared landing sites, vessels and oil rig platforms.

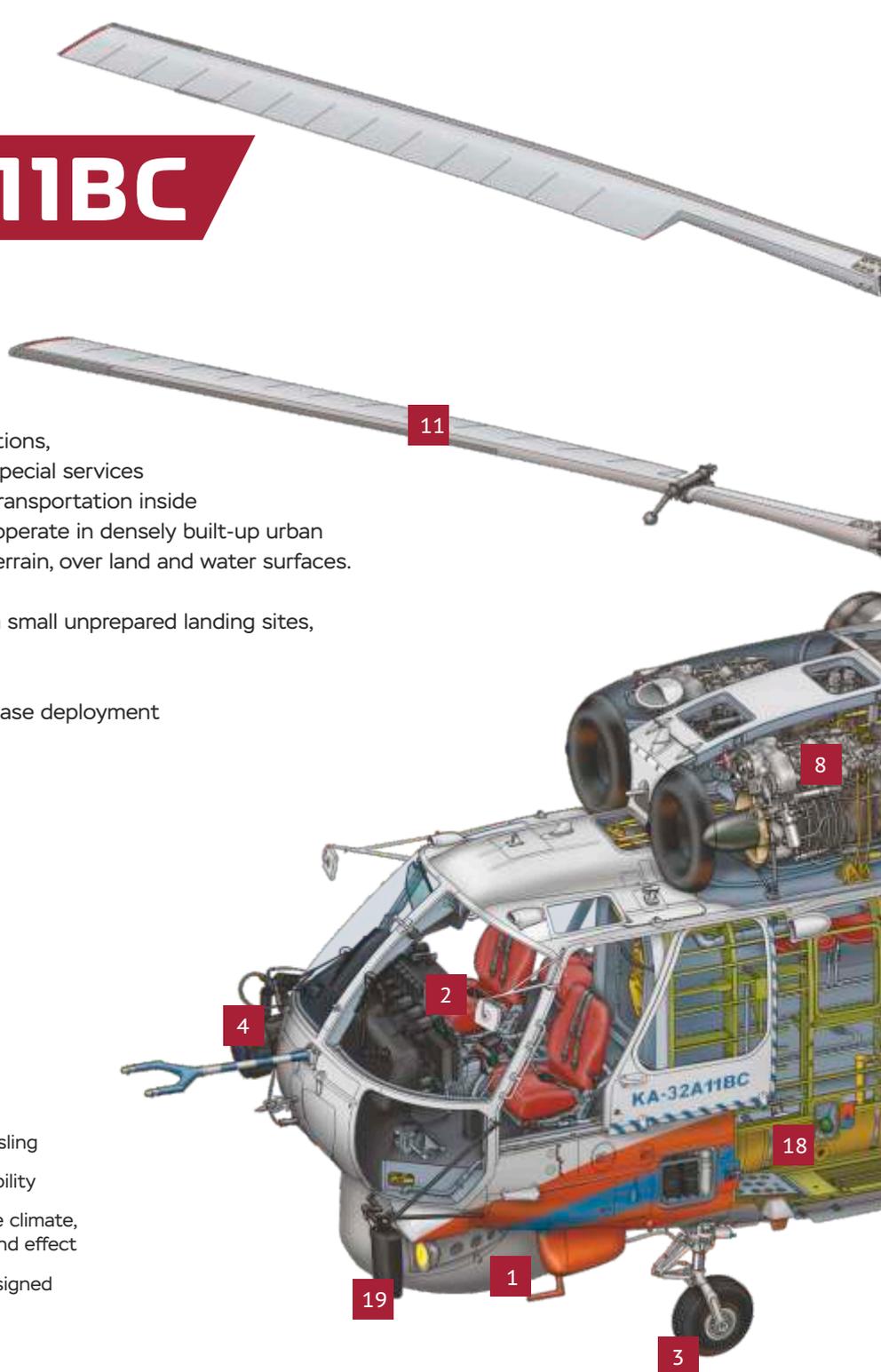
Ka-32A11BC helicopter has long-term off-base deployment and capability for non-hangar storage.

/// EASA certificate

/// AP-29, FAR-29 compliant

ADVANTAGES

- heavy lift capacity: up to 5 tons on external sling
- maneuverability: compactness and controllability
- operation in challenging conditions: maritime climate, high-mountain area, icing conditions, high wind effect
- operating efficiency: low operating costs, assigned repair-free service life 32 000 hours



Safe performance of aviation works and special missions



Ergonomic panels and consoles in cockpit