

UVR

United Vehicle Robotics



COMBO

UNMANNED AERIAL
SYSTEM

FLYING PLATFORM

UAV COMBO is a multifunctional platform based on Ka-26 coaxial helicopter. Removable modules can be attached to it depending on the use options.

The UAV can be converted from one version to another in the field by two or three specialists.



MULTIFUNCTIONALITY

The unmanned aerial system "COMBO" is designed to perform the following tasks:

- Cargo transportation inside the cabin or on an external suspension. "COMBO" is the world's heaviest civil unmanned helicopter.
- Aerial chemical works (spraying of fertilizers, herbicides, pesticides)
- Operation as a flying crane
- Firefighting

Advanced operational capabilities:

- Resistance to hazardous environmental conditions
- Flights outside the operator's sight
- 24-hour operation
- All-weather

The main functionality of the autopilot:

- takeoff, flight along the route and landing in fully automatic mode
- remote flight control
- continuation of flight in case of GNSS signal loss



UAV COMBO USE CASES



CARGO TRANSPORTATION

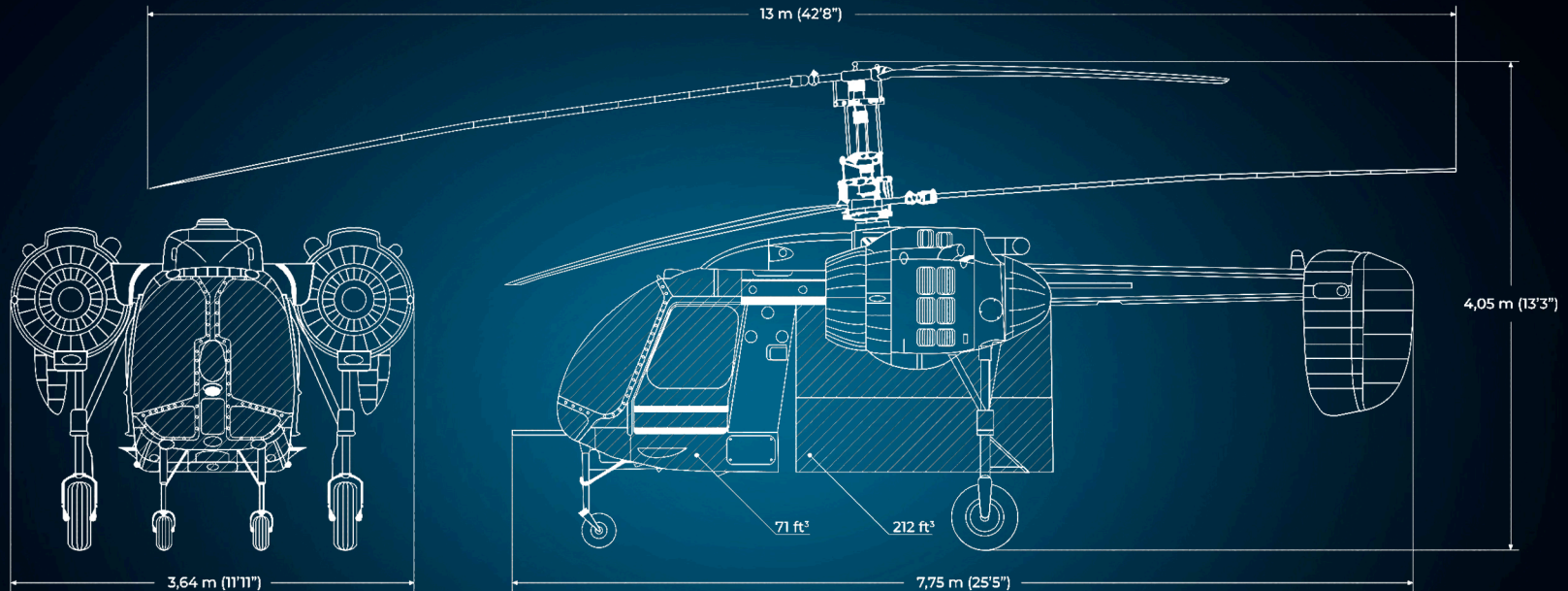


FIRE EXTINGUISHING



AGRICULTURAL CHEMICAL
WORKS

TECHNICAL PARAMETERS



Dimensions

Width 3,64 m

Length 7,75 m

Height 4,05 m

Rotor Diameter 13 m

Weight

Payload Capacity up to 1,150 kg
(incl. fuel)

Empty Helicopter Weight 2,100 kg

Maximum Takeoff Weight 3,250 kg

Flight Characteristics

Maximum Speed 160 km/h

Cruise Speed 130 km/h

Practical Ceiling 3,500 m

Max. Flight Time up to 8 hours
(without cargo)

Engine and Fuel

Engine Type 2 x PD M-14V-26

Engine Power 2 x 325 hp
(2 x 239 kW)



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