



NAUDI

National Association of
Ukrainian Defense Industries

GYRO  PRACT



SAPPHIRE 3

GYROCOPTER

Gyrocopter is a rotary-winged aircraft with the use of a rotor-wing for creation of a lifting power, which rotates freely in auto-rotation mode. The Gyrocopter integrates the features of an aircraft and a helicopter and maintains flight operations from short-length and unprepared runways.

APPLICATION:

- aerial excursions, inspection and control of territories, monitoring of fires
- search and rescue operations, monitoring of roads, communications, pipelines
- use in the interests of security agencies: intelligence, patrolling, medical evacuation, delivery of personnel, cargo and so on

MAIN ADVANTAGES:

- high reliability, safe landing (even in case of power-off engine)
- high wind speed limits on the ground (up to 20 m/s)
- excellent viewing, high maneuverability in horizontal and vertical planes
- low level vibration, which is attractive for aerial photography
- simplicity of design, lower cost, low operating maintenance costs

CHARACTERISTICS

Tactical and Technical Characteristics

Crew	1 pilot + 2 passengers
Payload	up to 330 kg
Engine	UL 520 IS
Type of fuel	A-95/ MOGAS-97
Fuel consumption	25-27 l/h
Flight duration	2,5 h
Flying range	350 km
Maximum flying speed (cruising)	150 (190) km/h
Takeoff run	60-90 m
Landing ground run	up to 10 m
Take off weight	630 kg



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