

Iran Aviation Industries Organization



ABABIL III - UAV

Weights

Empty Weight 160 Kg
 Max Fuel Capacity 90 Liters
 Max Payload 40 Kg
 Max Launching Weight 255 Kg

Structure

Material Composite

Dimensions

Wing Span 6 m
 Wing Area 3.73 m²
 Overall Length 4.08 m
 Overall Height 1.03 m
 Body Diameter 0.45 m

Performance

Max Level Speed 220 Km/h
 Normal Cruising Speed 150 Km/h
 Ceiling 15000 ft
 Max Endurance 5 h
 Mission Radius ..200 Km online More Offline

Engine Limbach (50 hp)
 Recovery Landing Gear – Parachute
 Launch Landing Gear – Zero Length JATO
 Application..... Surveillance-Reconnaissance-ECM
 Pay Load Photo Camera - Day/Night Dome Camera - ECM payloads – Laser System
 Guidance and Control Full Automatic Control- Navigation With GPS and GPS/INS/Compass

Sanaye Havaee Blvd - 3rd km of Karaj road - Tehran - Iran

TEL: +98 21 44 63 21 85-9

FAX: +98 21 44 63 21 70

P.O.Box : 139761-1611



M6-UAV

Main tasks and functions:

- » Wide suite of multispectral payloads, including EO/IR/LRF/LD, ESM etc
- » The MOHAJER6 System can be easily adapted to meet Customer's requirements and mission payload
- » Mission pre-planning, retasking, mission simulation, rehearsal and play back
- » fully automatic missions, including automatic area scanning, waypoint navigation and Automatic Take Off and Landing (ATOL)
- » performing surveillance and offensive missions

Payloads:

- » EO/IR/LRF
- » Laser designator (LD)
- » Radar altimeter
- » AIS (Automatic Identification System)
- » ESM
- » Communication jammer
- » Elint

Specification

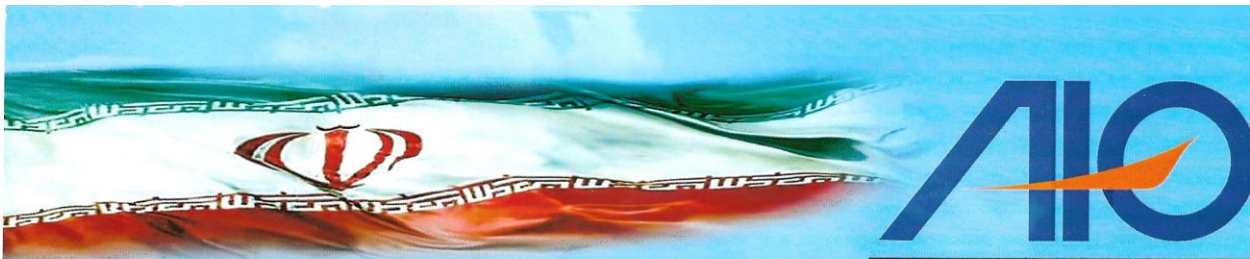
Wing Span (m)	10
Length (m)	5.167
Max Take/off Weight(kg)	600
Operating Range (km)	200
Endurance (hours)	12
Ceiling (ft)	18,000
Max Speed (km/h)	200

Sanaye Havaee blvd - 3rd km of karaj road - Tehran - Iran

TEL: +98 21 44 63 21 85-9

FAX: +98 21 44 63 21 70

P.O.Box : 139761-1611



Iran Aviation Industries Organization



FOTROS - UAV

Specifications

Power Plant

One 115 hp turbocharged four-cylinder four-stroke engine; two blade variable-pitch pusher composite propeller. Wing and fuselage integral fuel tanks; standard capacity 350 Kg fuel; extendable to 480 Kg fuel.

Performance

Max. level speed at 16,000 ft	230 Kph
Cruise speed	200 Kph
Average loiter speed at 25,000 ft	130 Kph
Stall speed at S/L	90 Kph
Max. rate of climb at S/L	725 fpm
Service ceiling	25,000 ft
Max. operating altitude	30,000 ft
Take-off run at S/L	200 m
Endurance at 300Km, 25,000 ft	24 h

Dimensions

Wing Span	16.5 m
Wing Area	13 m ²
Overall Length	8.6 m
Overall Height	2.2t m
Propeller Diameter.....	1.6 m

Weights

Take-off weight	1200Kg
Empty weight	480 Kg
Fuel weight (standard).....	350 Kg
Payload weight (maximum)	300 Kg

Sanaye Havaee Blvd - 3rd km of Karaj road - Tehran - Iran

TEL: +98 21 44 63 21 85-9

FAX: +98 21 44 63 21 70

P.O.Box : 139761-1611