

ADDITNESS

ADDITNESS AP-F-1M

Technical Specifications

- High wing, twin boom H-Tail airframe
- Wingspan: 3000mm
- Length: 2500mm
- Engine: 50-80cc
- Flying Weight: 25kg
- Load weight: 8kg
- Engine: DLE60 (60cc)
 - ✓ Type: Two-stroke piston valve petrol aircraft engine
 - ✓ Displacement: 60cc (30ccx2)
 - ✓ Bore x Stroke: 36mm×30mm
 - ✓ Carburetor: Walbro (Diaphragm & Butterfly Valve)
 - ✓ Max. Output: 7hp/8500rpm
 - ✓ RPM Range: 1400-8500rpm
 - ✓ Weight: About 2000g (Engine + muffler + CDI)
 - ✓ Ignition power: Auto advanced CDI from 4.8 to 12V (DC 6.6 Volt, 4 cell NiCad or NiMh battery)
- Fuel mixture (Ratio of gasoline and oil): 25-40: 1
- Propeller: 20X12-23X8 two-blade prop (suggest to use 22x8 prop)

Advantages

- Up to 3h of flight time
- Nominal cruise speed; 90km/h
- Max cruise speed; 140km/h
- Easily customizable frame according to the needs
- Sensors mounting capabilities like E/O, IR
- In process GNSS denied guidance (in progress)

Supported Use Cases

- Surveillance Operations
- Search and Rescue Operations
- CBRN detections
- Critical Infrastructure Protection

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