



**EH60**  
**VTOL**

# Performance Parameters

Fuselage Length	3m
Wingspan	6m
Max payload	50kg
Maximum take-off weight	150kg
Endurance	5h@30kg payload
Cruising speed	120km/h(27~33m/s)
Max fuel capacity	25L
Maximum flight altitude	5000m (Limbach 275 EFI Engine) 6200m (DLA360 EFI Engine)
Control radius:	200- 400km (depending on fuel capacity)
Operating temperature	-10°C-45°C
Waterproof class	IP54
Maximum wind resistance	12m/s(level 6)
Aviationp packaging boxsize	

## Product Overview

The Eagle EH60 is a vertical take-off and landing (VTOL) fixed-wing UAV with hybrid power. It adopts a composite aerodynamic layout of quad-rotors and fixed wings, combining the advantages of VTOL from quad-rotor models and the long range of fixed-wing models.

It is specifically developed for emergency disaster relief, emergency material delivery and other application scenarios with the characteristics of high load capacity, multitasking, and long endurance.

### Versatile Hybrid-Powered UAV for Long-Endurance Missions

Flexible and capable of adapting to various complex take-off and landing conditions, it features hybrid power with fuel and battery, achieving a long endurance of more than 10 hours, making it widely used in inspection, emergency communication, and other fields.

### High-Performance VTOL Fixed-Wing UAV with Exceptional Endurance

The Eagle EH60 is a high-performance vertical take-off and landing (VTOL) fixed-wing UAV designed for various demanding applications. With a fuselage length of 3000mm and a wingspan of 6000mm, it can carry a maximum payload of 50kg while maintaining exceptional endurance.

It achieves 5 hours of flight time with a 30kg payload. The UAV operates at a cruising speed of 120km/h (27-33m/s) and supports a maximum take-off weight of 150kg. Equipped with a 25L fuel capacity, it can reach a maximum flight altitude of 5000m with Limbach 275EFI Engine and 6200m with DLA360 EFI Engine, and has a control radius of 200-400km, depending on the payload.

### Rugged Reliability and Adaptability in Harsh Environments Eagle EH60

Built for durability, it operates effectively in temperatures ranging from -10°C to 45°C and meets IP54 waterproof standards. With a maximum wind resistance of 12m/s (level 6), the Eagle EH60 is designed to perform reliably in challenging environments.





**Large payload, long endurance  
commercial EH60 UAV**

**Motion** *New*



**Wingspan**  
**6000mm**



**Cruise Speed**  
**27-33m/s**



**Max. Wind Resistance**  
**12m/s**



**Max. Payload**  
**50kg**



**Max. Take-off Weight**  
**150kg**



**Endurance**  
**5h@30kg payload**



**Length**  
**3080mm**

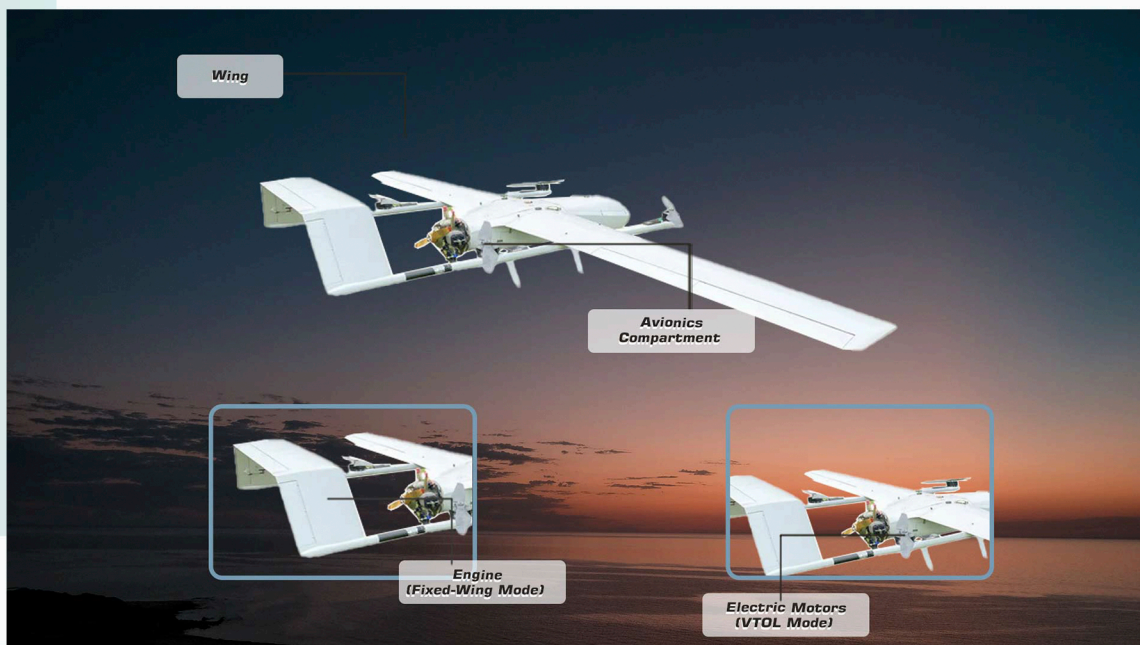
**Aerodynamic Design  
Low Air Resistance**



**Motion** *New*

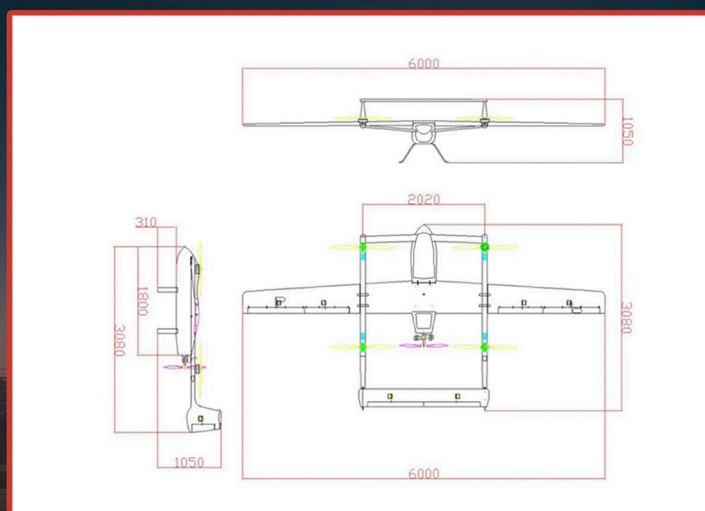
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## Dimension

**Maximum Take-off weight: 150kg**



**MotioNew**

**MotioNew**

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# Large payload, long endurance commercial UAVs EH60

<b>PNP Version</b> (Only including the frame and propulsion system )	<b>RTF Version</b> (Complete flight platform assembly and debugging completed Ready To Takeoff)
1x YF14E Composite Frame(Carbon fiber+glass fiber) 4x Motor for VTOL Mode 4x ESC for VTOL Mode 2x (Pairs) Propeller for VTOL Mode 1x Tail Propeller 1x Engine 4x Rudder servo 1x Power board 1x Packing box	1x YF14E Composite Frame(Carbon fiber+glass fiber) 4x Motor for VTOL Mode 4x ESC for VTOL Mode 2x (Pairs) Propeller for VTOL Mode 1x Tail Propeller 1x Engine 4x Rudder servo 1x Power board 1x Packing box 1 x Auto pilot +RTK 1 x Airspeed Tube 1 x Remote Controller 1 x Charger 1 x Battery 6S-10000mAh 1x Battery14S-24000mAh 1 x Data transmission 20KM 1 x Debugging Service

