**AlumaHex UAS Specifications Designed, Manufactured, Assembled & Tested by Super Pro Aerial, USA**

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| **Frame**  **Aluminum Hexacopter** | **Diagonal Wheelbase**  **1380mm**  **Frame Arm Length**  **430mm**  **Frame Arm Weight (Including Motor, ESC, Propeller )**  **707g**  **Center Frame Diameter**  **560mm**  **Center Frame Weight (with Landing Gear, Battery & Gimbal Plates)**  **11.0Kg**  **Landing Gear Size**  **550mm(Length)×625mm(Width)×500mm(Height)** |
| **Motor** | **Stator Size**  **88.6×40mm**  **KV**  **170rpm/V**  **Max Power**  **2000W**  **Weight**  **500g** |
| **ESC** | **Working Current**  **100A**  **Working Voltage**  **6S – 12S LiPo**  **Signal Frequency**  **30Hz ~ 450Hz**  **Drive PWM Frequency**  **8KHz**  **Weight (with connectors)**  **75g** |
| **Propeller (2 piece)** | **Material**  **High strength carbon fiber**  **Size**  **26×8.5inch (30x10.5 Optional)**  **Weight**  **38.2g (Full Propeller , 2 pieces)** |
| **Flight Parameters** | **Takeoff Weight**  **15.0Kg**  **Maximum Takeoff Weight (MTOW)**  **25.0Kg**  **Power Battery**  **LiPo (6S,16000mAh~22000mAh,15C(Min))**  **Max Power Consumption @ 100% Throttle**  **12,000 W**  **Hover Power Consumption**  **2220W (@15.0Kg Takeoff Weight -Working Load)**  **Hover Time**  **25min (2x22000mAh @ 11.0Kg Takeoff Weight)**  **37min (4x22000mAh @ 25 Kg)**  **Working Environment Temperature**  **-10 °C ~ +40 °C** |
| **Flight Control Auto- Pilot** | **Naza-M V2, Naza -N3, Wookong, A2, A3**  **Basic: Roll %, Pitch %, Yaw % Attitude: Roll %, Pitch %, Vertical %** |