

YRQ-4A Global Hawk Autonomous Aerial Vehicle System

Physical Specifications

Weight..... 11500lbs Empty / 26500 MGTW
Wingspan 116 Ft
Length 44 Ft
Height..... 15 ft

Powerplant

Single Rolls/Royce/Allison 3007H Turbofan
7000lbs Sea Level Static Thrust

Fuel System

Capacity 2,500 Gallons / 14,500 lbs
Six Tanks – Wet Wing

(b) (3) (A), (b) (3) (B)

(b) (3) (A), (b) (3) (B)

Payloads

2000 lb payload weight

Ground Control Element (Global Hawk Operations Center)

FOC..... Takeoff, Landing, Mission Operations and Terminal Airspace
POC..... Payload Operations

Airspace Operations

IFF Modes 1,2,3,C & 4

(b) (3) (A), (b) (3) (B)

Dual Mission Management Flight Control

Computers W/ Full Auto Failover

Dual Redundant Primary GPS/INS Navs

Dual Redundant Payload Support GPS/INS Navs

Dual 1553 Avionics Comm Busses

(b) (3) (A), (b) (3) (B)

Environmental Control System

Pressurized Avionics/Payload Compartments

Fuel System Thermal and Pressurization Control

