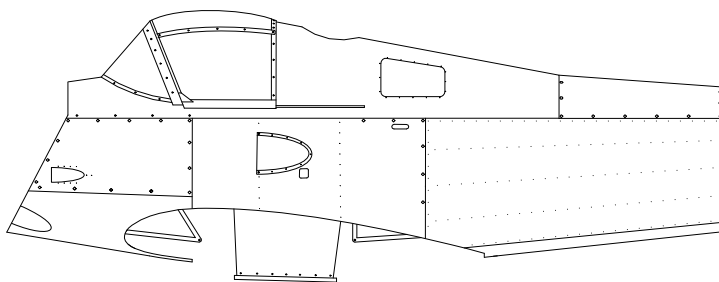
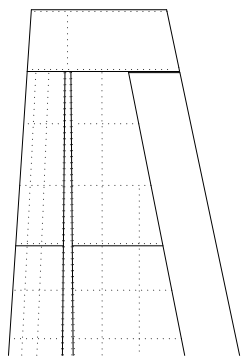


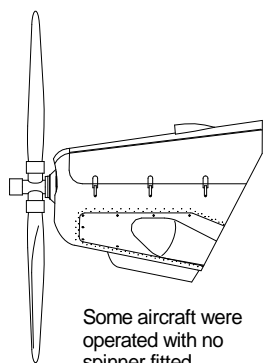
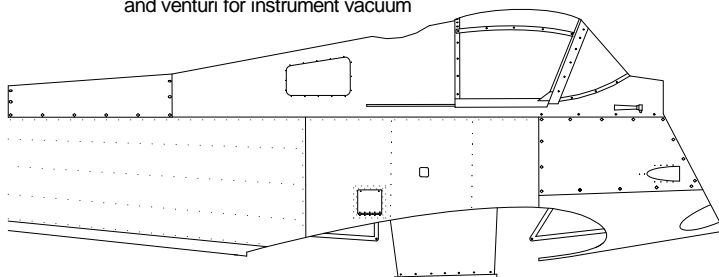
Port scrap view showing fresh air scoop fitted to some aircraft



Wing-tip extensions as fitted to S/N 119 ZK-CPW increased span to 36'

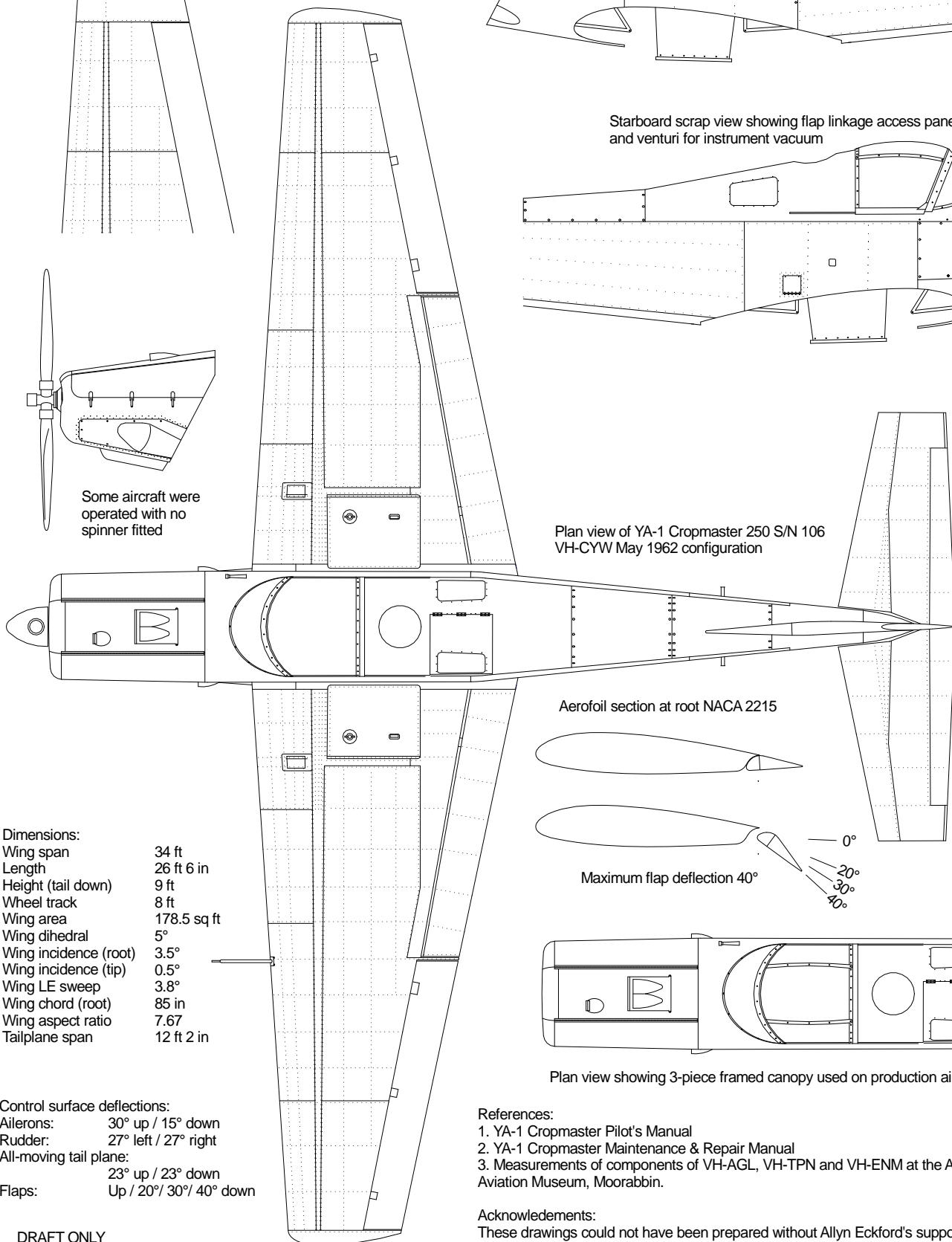


Starboard scrap view showing flap linkage access panel and venturi for instrument vacuum

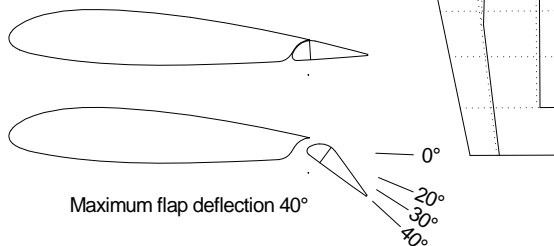


Some aircraft were operated with no spinner fitted

Plan view of YA-1 Cropmaster 250 S/N 106 VH-CYW May 1962 configuration

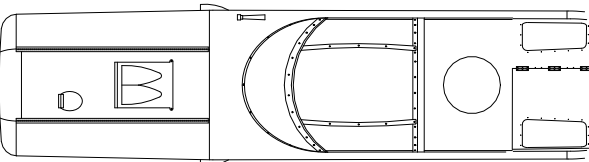


Aerofoil section at root NACA 2215



- Dimensions:
- Wing span 34 ft
  - Length 26 ft 6 in
  - Height (tail down) 9 ft
  - Wheel track 8 ft
  - Wing area 178.5 sq ft
  - Wing dihedral 5°
  - Wing incidence (root) 3.5°
  - Wing incidence (tip) 0.5°
  - Wing LE sweep 3.8°
  - Wing chord (root) 85 in
  - Wing aspect ratio 7.67
  - Tailplane span 12 ft 2 in

- Control surface deflections:
- Ailerons: 30° up / 15° down
  - Rudder: 27° left / 27° right
  - All-moving tail plane: 23° up / 23° down
  - Flaps: Up / 20° / 30° / 40° down



Plan view showing 3-piece framed canopy used on production aircraft

References:

1. YA-1 Cropmaster Pilot's Manual
2. YA-1 Cropmaster Maintenance & Repair Manual
3. Measurements of components of VH-AGL, VH-TPN and VH-ENM at the Australian National Aviation Museum, Moorabbin.

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These drawings could not have been prepared without Allyn Eckford's support and attention to detail. Thanks also to Fred Burke, Ben Dannecker, Michael Ellis for contributions comments and corrections.

DRAFT ONLY

Yeoman Aviation YA-1 Cropmaster 250 and 250R  
1959-69



Drawn by Derek Buckmaster 2003  
for the DB Design Bureau website  
Plate 2 of 4

