1. Wing Group

Gross wing area with wing loading and trailing edge carried to the body centerline 1700 ft²

Span 108 ft.

Root Chord, based on basic wing lines extended to body centerline 20.52 ft

Tip Chord 7.63 ft

Sweepback C/4 32°

Flap Area (trailing edge total) - retracted extended 40°

Mean Aerodynamic Chord 280 ft² 388 ft²

Incidence Angle 180.7 in. 2°

2. Control Surfaces

Aileron Area (Aft of hinge line) 55.1 ft²

Horizontal Tail Area 379 ft²

Vertical Tail Area 356 ft²

3. Fuselage

Length 116.2 ft

Other dimensions See page 1.1.1

4. Moment Arm, Dimensions, and Areas Used for Performance Calculations

Horizontal Tail Area 376 ft²

Vertical Tail Area 356 ft²

Wing Area (Aerodynamic Reference) 1560 ft²

Span (Aerodynamic Reference) 106 ft

Aspect Ratio (Aerodynamic Reference) 7.2 ft

Pod Engine to Fuselage Centerline 10 ft
Mean Aerodynamic Chord
Incidence Angle
Body Contact Pitch Angle (OLEOS EXTENDED)

5. Engines
   Type

   Pratt and Whitney JT8D-1

6. Braking Anti-Skid System
   Hytrol Division, HydroAire
   Mark II
   Wheel Control
   Individual
   Skid Detector Location
   All Wheels