



Wing Span (b)	8.3	m
Root Chord (a/c CL)	1.3	m
Tip Chord	1	m
L.E. Sweep	0.116	m
T.E. Sweep	0.184	m
L.E. Sweep angle	1.60	degrees
T.E. Sweep angle	2.54	degrees

Tailplane Span	2.6	m
Root Chord (a/c CL)	0.94	m
Tip Chord	0.76	m
L.E. Sweep	0.135	m
T.E. Sweep	0.045	m
L.E. Sweep angle	5.93	degrees
T.E. Sweep angle	1.98	degrees

Fin height	1.1	m
Fin root chord	1.354	m
Fin tip chord	0.615	m
Fin LE sweep	0.801	m
Fin TE sweep	-0.062	m
Fin LE sweep angle	55.52	degrees
Fin TE sweep angle	-6.43	degrees

Wing aspect ratio **7.217391**

Tailplane aspect ratio **3.06**

Fin aspect ratio **1.117318**

Standard Mean Chord (c)	1.15	m
Gross Wing Area (S)	9.545	m ²
Aerodynamic Mean Chord	1.157	m
Pos'n of SMC aft of root LE	0.055	m
Pos'n of 25%c aft of root LE	0.344609	m

Tailplane Std Mean Chord	0.85	m
Gross Tailplane Area	2.21	m ²
TP Aerodynamic Mean Chord	0.853	m
Pos'n of TP SMC aft of root LE	0.065	m
Pos'n of TP 25%C aft of root LE	0.278	m

Fin Standard Mean Chord	1.292	m
Gross fin area	1.08295	m ²
Fin Aerodynamic Mean Chord	1.031	m
Pos'n of fin SMC aft of root LE	0.350	m
Pos'n of fin 25%C aft of root LE	0.608	m

Distance between root leading edges of wing and tailplane **2.79** m

Tailplane Moment Arm = **2.724** m (Distance between wing and tailplane aerodynamic centres)

Tail Volume coefficient **0.55** Typical range 0.3 - 0.65 (0.35 - 0.55 for all-flying tails)
Higher value = greater stability

Distance between root leading edges of wing and fin **2.75** m

Fin Moment Arm = **3.013** m (Distance between wing and fin aerodynamic centres)

Fin Volume coefficient **0.04** Typical range 0.03 to 0.05
Higher value = greater stability

High wing aircraft generally need a value towards the upper end of the range