

SERVICE

MEMO

Service Memo No. 42

GENERAL SPECIFICATIONS (Commercial Models)

PIPER CUB COUPE

MODEL: J4A-65

TYPE: Two place, closed, land, high wing monoplane

ACCOMMODATIONS: Enclosed cabin seating two side-by-side; dual controls, door on each side of cabin; baggage compartment (20 x 40 x 14) aft of seat.

AIRFRAME SPECIFICATIONS:

Wing Span	36 feet 2 inches	
Wing Chord	5 feet 3 inches	
Wing Area, including Ailerons		183 Sq. Ft.
Aspect Ratio	7.147	
Overall Length	22 feet 6 inches with Continental Engine	
Cockpit Height	50 1/2 inches	
Seat Width	41 inches	
Seat Height Above Floor		12 inches
Height of Seat Back		22 inches
Seat Back to Control Stick		20 inches
Control Stick Grip Above Floor		23 inches
Seat Back to Rudder Pedals		36 inches
Width of Luggage Compartment		39 inches
Breadth of Luggage Compartment		22 inches
Depth of Luggage Compartment		12 inches
Width of Firewall		33 3/4 inches
Depth of Firewall		34 1/4 inches
Width of Instrument Panel		38 inches
Fuselage Frontal Area		15.23 Sq. Ft.
Stabilizer Area (Two Sides)		14.66 Sq. Ft.
Elevator Area (Two Sides)		10.64 Sq. Ft.
Stabilizer Span (Overall)		9 feet 6 inches
Horizontal Tail Aspect Ratio		3.57
Fin Area		4.66 Sq. Ft.
Rudder Area		6.76 Sq. Ft.
Rudder Height		4 feet 5 inches
Vertical Tail Aspect Ratio		1.74
Aileron Chord		13 1/2 inches
Aileron Span		8 feet 6 1/2 inches
Aileron Area (Each)		9.6 Sq. Ft.
Wheel Tread		76" (Static)
Tire Size		8.00 x 4

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AIRFRAME SPECIFICATIONS (Continued)

Wing Leading Edge to Axle Centerline.....	4 5/8 inches
Axle Centerline to Tail Wheel.....	14 feet 7 inches
Tail Wheel Size.....	6 x 2.00
Height of Upper Surface of Wing Above Ground.....	(7 feet 4 inches level) (6 feet 5 1/2 inches 3 Pt.)
Gross Weight.....	1301 pounds
Empty Weight	650 pounds
Useful Load.....	651 pounds