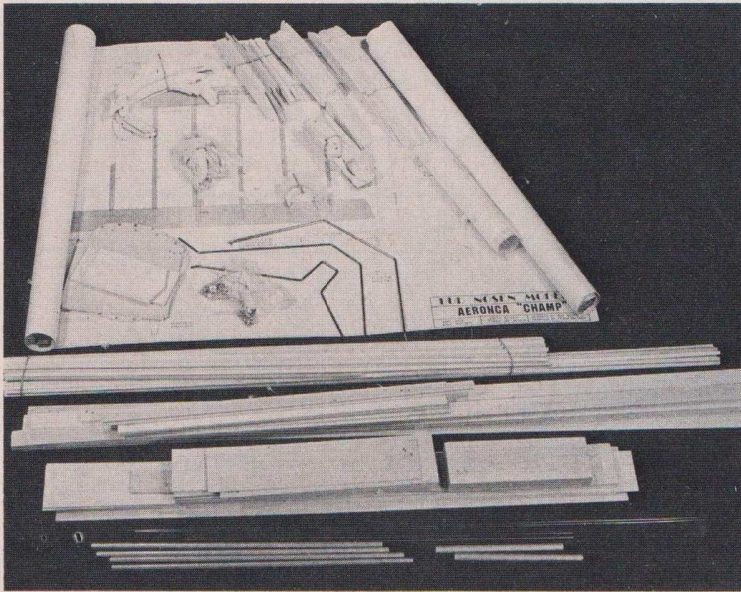


RCM PRODUCT TEST

BUD NOSEN MODELS AERONCA CHAMP



● The Aeronca Champ is a general sport and Stand-Off Scale aircraft produced by Bud Nosen Models, Box 105C, Two Harbors, Minnesota 55616 and priced at \$99.95. The wingspan is 105" with a wing chord of 15" for a total wing area of 1500 square inches. Designed for three to four channel operation, the all-up weight of the aircraft was 10 pounds with a wing loading of 16 ounces per square foot. Our RCM prototype, which was completely covered with Solarfilm, utilized an OS Max .80 and 13 ounce tank, while guidance was provided by a Kraft radio.

While we could not give the kit, itself, a better than average recommendation, due to its poor and often times weak construction, the flying characteristics of the aircraft are truly excellent. The Aeronca Champion flies like the real aircraft needing both rudder and ailerons to turn. This aircraft is extremely realistic in the air and pure joy to fly low and slow. Our particular kit was missing the 3" x 1/8" sheeting and also did not contain four of the nylon horns supposedly included with the kit. The wing planking was so hard that we were unable to bend it even after wetting the sheeting. The firewall was warped beyond use and a new one had to be cut. We would also recommend the use of 1/4" square spruce in the fuselage instead of balsa which would beef-up the weak fuselage construction. In addition, the method of attaching the vertical fin to the fuselage was quite weak and should be strengthened accordingly. □

IMPRESSIONS	E	G	A	F	P	IMPRESSIONS	E	G	A	F	P
Packaging		●				Pre-Shaped Parts					●
Plans			●			Parts Match to Plans					●
Written Instructions			●			Overall Parts Fit					●
Quality of Hardwood			●			Ease of Assembly					●
Quality of Fiberglass			NA			Fidelity to Scale		●			
Other Materials		●				Flight Performance	●				
Accessories		●				Overall Appeal	●				
Die-Cutting			NA								

E=Excellent / G=Good / A=Average / F=Fair / P=Poor

SPECIFICATIONS

Name	Aeronca Champ
Aircraft Type	Sport/Stand-Off Scale
Manufactured by	Bud Nosen Models Box 105 C Two Harbors, Minn. 55616
Mfg. Suggested Retail Price	\$99.95
Available From	Both Manufacturer and Retail
Mfg. Recommended Usage	Sport & Stand-Off Scale
Wingspan	105½ inches
Wing Chord	15 inches
Total Wing Area	1500 sq. in.
Fuselage Length	62¾ inches
Radio Compartment Dimensions	(L) 16" x (W) 6" x (H) 11"
Wing Location	High Wing
Dihedral	3 inches
Airfoil	Flat Bottom
Wing Planform	Constant Chord
Stabilizer Span	30 inches
Stabilizer Chord (incl. elev.)	9"
Total Stab Area	270 sq. in.
Stab Airfoil Section	Flat
Stabilizer Location	Top of Fuselage
Vertical Fin Height	10 inches
Vertical Fin Width (incl. rudder)	11"
Mfg. Rec. Engine Range	.60 up
Recommended Fuel Tank Size	12 ounce
Landing Gear	Conventional
Recommended No. of Channels	3-4
Recommended Control Functions	Elev., Ailerons, Rudder, Throttle
Basic Materials Used In Construction:	
Fuselage	Balsa, Ply
Wing	Balsa
Tail Surfaces	Balsa
Hardware Included In Kit	Formed gear wires, horns, bellcranks, bolts, quick links, tail wheel bracket
Plan Size	30" x 76" (2 sheet)
Building Instructions on Plan Sheets	No
Instruction Manual	Yes (2 pages)
Construction Photos	No
No Kit Includes	Shaped Parts
Mfg. rec. flying weight	160 ounces
Wing loading based on rec. flying weight	16 oz./sq. ft.

RCM PROTOTYPE

Weight, ready to fly:	160 oz.
Wing Loading	16 oz./sq. ft.
Covering and finishing materials used	Solarfilm
Engine Make and Disp.	OS Max .80
Muffler Used	No
Radio Used	Kraft
Tank Size Used	13 Ounce