

DEPARTMENT OF TRANSPORT  
AIR SERVICES  
OTTAWA, CANADA

A 5 ISSUE 2  
FAIRCHILD  
82A  
82D  
February 1, 1962

AIRCRAFT TYPE APPROVAL

Manufacturer: Fairchild Aircraft Limited,  
Longueuil, P.Q.

1. Model 82A: Normal Category.

Engine: Pratt & Whitney Wasp Jr.  
R-985-AN12B or -14B.

Fuel: 80/87 octane - minimum grade.

Engine Limits: Maximum, except take-off.  
34.5 in. Hg. 2200 RPM 400 HP Sea Level  
33.5 in. Hg. 2200 RPM 400 HP 5000 ft.  
(Straight line manifold pressure variation  
with altitude to 5000 ft.)  
Take-off (one minute)  
36.5 in. Hg. 2300 RPM 450 HP Sea Level

C.G. Range: 19.0 inches to 29.5 inches aft of wing L.E.

Levelling Means: Thrust line horizontal.

Maximum Weight: Landplane - 6325 lbs.  
Skiplane - 6325 lbs. with item 1(a) or 1(b)  
Skiplane - 6000 lbs. with item 1(c)  
Seaplane - 6470 lbs.

Passengers: 12 including pilot

Approval Basis: A.P. 1208

Propeller and Propeller  
Accessories: Propeller - Hamilton Standard Constant Speed  
Hub Model 2D30-235  
Blade Model 6101A-12

2. Model 82D: Normal Category

Engine: Pratt & Whitney  
R-1340-AN-1 or S3H1

Fuel: 80/87 octane - minimum grade

Engine Limits: Maximum continuous:  
550 h.p. 2200 r.p.m. 32.5 in. Hg. 5000 ft.  
550 h.p. 2200 r.p.m. 34.0 in. Hg. S.L.  
Take-off (5 Min.)  
600 h.p. 2250 r.p.m. 36.0 in. Hg. S.L.

C.G. Range: Landplane 19.0 inches to 29.5 inches aft of wing L.E.  
Skiplane 19.0 inches to 29.5 inches aft of wing L.E.  
Seaplane 20.0 inches to 32.0 inches aft of wing L.E.

Levelling Means: Thrust line horizontal.

Maximum Weight: Landplane 6325 lbs.  
Skiplane 6325 lbs. with item 1(a) or 1(b)  
Skiplane 6000 lbs. with item 1(c)  
Seaplane 6470 lbs.

Passengers: 11 including pilot

Approval Basis: A.P. 1208

Propeller and Propeller Accessories: Propeller - Hamilton Standard Constant Speed  
Hub Model 12D40-211  
Blade Model 6101-A-12

Equipment: 1. Ski Installation:  
(a) Canadian Airways Limited Drawing No. 29  
(b) Dominion Skyways Drawing No. 10  
(c) Aircraft Services (Western) Ltd. Drawing No. 0054

2. Float Installation  
(a) Edo Model Ya 6325 floats with Edo Ya-630 float gear  
(b) Edo Model Yd 6470 floats with Edo Ya-630 float gear.  
(c) Edo Model Yd 6470 floats with Edo Yd-673 float gear.



(H.S. Rees),  
Chief Aeronautical Engineer,  
Department of Transport.