

DEPARTMENT OF TRANSPORT  
AIR SERVICES  
OTTAWA, CANADA

A7 Issue 3  
NORSEMAN MK. IV  
February 3, 1964

AIRCRAFT TYPE APPROVAL

Manufacturer Noorduyn Aviation Ltd.,  
Montreal, P.Q.

Model Norseman Mk. IV Normal Category

Engine P & W Wasp S3H1

Fuel 80/87 octane - minimum grade

Engine Limits

	<u>Alt.</u>	<u>HP</u>	<u>RPM</u>	<u>IN.HG.</u>
Max. except T.O.	5000	550	2200	32.5
Max. except T.O.	S.L.	550	2200	34.0
Take-off (1 minute)		600	2250	36.0

C.G. Range Forward limits; landplane, skiplane and seaplane:  
18.0% MAC (97.7) at 6000 lbs. or less  
20.1% MAC (99.4) at 6450 lbs.  
21.8% MAC (100.9) at 6810 lbs.

Straight line variation between points given.

Aft. limit; landplane, skiplane and seaplane:  
38.0% MAC (114.7)

M.A.C. 85 inches. L.E. of M.A.C. at 82.36

Datum Propeller hub centre line

Maximum Weights Landplane - 6450 lbs.  
Skiplane - 6450 lbs.  
Seaplane - 6810 lbs.

No. of Seats Ten, including crew.  
Bucket type seats for eight passengers.

Fuel Capacity 100 Imp. gallons.

Oil Capacity 10 Imp. gallons


Approval Basis A.P. 1208

Equipment

1. Hamilton Standard two position controllable propeller 12D40-207
2. (a) Ski Installation CPAL Drawing 25R-2276  
Main Ski Elliott Bros. E-16.  
Main Pedestal, M & C P4D

- Equipment (Cont'd)
- 2.(b) Ski Installation, Noorduyn Drawing U-3038.  
Main Ski, Type 4-15B, Noorduyn U-5024.  
Main Pedestal, Noorduyn U-4009.
  - (c) Ski Installation, Noorduyn Drawing U-4005  
Main Ski, Vickers E-1.  
Main Pedestal, Noorduyn U-5011.
  - (d) Ski Installation, Aircraft Repair Drawings 68  
and 77.  
Main Ski, AMB 17.  
Main Pedestal, Noorduyn U-5006.
  - (e) Ski Installation, Aircraft Skis Drawing SPA 4.  
Main Ski, Elliott Bros. E-16.  
Main Pedestal, M & C P4D.
  - (f) Ski Installation, CPAL Drawing No. 133.  
Main Ski, AMB 17.  
Main Pedestal, M & C P4D.
  - (g) Ski Installation, CPAL Drawing No. 1054.  
Main Ski, AMB 12.  
Main Pedestal, M & C P4D.
  - (h) Ski Installation, CPAL Drawing 25R-11036.  
Main Ski, AMB 13 or Elliott Bros. 16.  
Main Pedestal, M & C P4D.
  - (i) Ski Installation, M & C Drawing SHN4-6600.  
Main Ski, AMB 12.  
Main Pedestal, M & C P4D.
  - (j) Ski Installation, Fecteau Plan No. 7.  
Main Ski, Fecteau Plan No. 1.  
Main Pedestal, M & C P4D.
3. Float Installation, Noorduyn Drawing No. 05-35001  
with Edo Yd-6470 floats.

NOTE 1 - F.A.A. Aircraft Specification A-2-578, dated July 15th, 1949, contains data relating to the U.S. Civil Approval of the U.S.A.A.F. version of this aircraft, viz. UC-64B.

  
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Department of Transport