

UNIVAIR AIRCRAFT CORPORATION

Universal Aircraft Industries

FAA Approved Appendix A

to

CAA Approved Operating Limitations for Stinson 103 Landplane  
Stinson 108-1 Landplane and Stinson 108 and 108-1 Seaplane

The information in this document is FAA Approved material which, together with the CAA Approved Operating Limitations, is applicable and must be carried in the basic operating limitations when the airplane incorporates a Franklin 6A4-165-B3 engine installation.

The information in this document supercedes the basic operating limitations only where covered in the items contained herein. For limitations, procedures, and performance not contained in this appendix, consult the operating limitations proper.

A. Airplane Operating Limitations - No Change

B. Power Plant Operating Limitations

1. Engine

Make: Franklin Engine Company, Inc.

Model: 6A4-165-B3

Rated Power: 165 HP at 2300 rpm for all operations

Temperature Limits:

Cylinder Head - 530° F. (Sparkplug Thermocouple)

- 445° F. (Well Type Thermocouple)

Cylinder Base - 310° F.

Oil Inlet - 330° F.

Fuel: 80/87 Min. Grade Aviation Gasoline

Propeller

(a) Fixed Pitch Wood

Diameter - not over 76 inches

- not under 74 inches

Static RPM limits with maximum permissible throttle

setting - not over 2320

- not under 2100

(b) Universal Aeromatic

Hub - F200 or F200H

Blades - 00-76B

Diameter - not over 76 inches

- not under 74 inches

Static RPM limits with maximum permissible throttle

setting - not over 2600

- not under 2550

Low Pitch Setting - 14.3° measured at 24 in. station

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