Universal Aircraft Industries
FAA Approved Appendix A
to
CAA Approved Operating Limitations for Stinson 10G 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 G44-165-B3 engine installation.

The information in this document supersedes 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: G44-165-B3
   Rated Power: 165 HP at 2300 rpm for all operations
   Temperature Limits:
      Cylinder Head - 530°F. (Sparkplug Thermocouple)
      - 445°F. (Vell 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 - 00-7GB
   Diameter - not over 76 inches
   - not under 74 inches
   Static RPM limits with maximum permissible throttle setting:
   - not over 2000
   - not under 2550
   Low Pitch Setting - 14.3° measured at 24 in. station
Universal Aircraft Industries

FAA Approved Appendix A

to

CAA Approved Operating Limitations for Stinson 105 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 GA4-165-B3 engine installation.

The information in this document supersedes 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: GA4-165-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: 320°F
   - Fuel: 80/87 Min. Grade Aviation Gasoline

2. 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: 00-70B
   - 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