

SECTION I GENERAL

This supplement contains revised information for the basic airplane when operated in accordance with STC SA02723CH. The information contained herein supplements or supersedes the basic handbook only in those areas listed herein. Consult the Pilot's Operating Handbook and FAA Approved Flight Manual for limitations, procedures, and performance information not contained herein.

MAXIMUM CERTIFIED WEIGHT

| | |
|-------------------------------|----------|
| Maximum Ramp Weight | 4026 lb. |
| Maximum Take-off Weight | 4010 lb. |
| Maximum Landing Weight | 4010 lb. |

Permission is hereby given for the following aircraft to be operated only when the signature in the approval by is signed by the Pilot on and the return of the registration slip is validated.

Model: _____ Serial #: _____
 Call #: _____ Date: _____
 Approved By: _____

Note: Weight and balance limitations contained in this Flight Manual Supplement supersede those contained in STC SA02722CH (tip tanks).

SECTION II LIMITATIONS

GENERAL

This airplane is eligible for operation in accordance with STC SA02723CH and this airplane flight manual supplement only when equipped with the following modifications:

- a) Cooling Air Baffles (STC SA368CH)
- b) Wing Tip Fuel Tanks (STC SA02722CH)
- c) Aileron and Flap Gap Seals (STC SA1176SO)

This airplane is eligible for operation in accordance with STC SA02723CH and this airplane flight manual supplement when equipped with the following optional modification(s):

- a) Vortex Generators (STC SA09074SC)

AIRSPEED LIMITATIONS

| | |
|------------------------------|---------------|
| Maneuvering Speed (VA) | CAS 132 knots |
| | IAS 132 knots |

WEIGHT LIMITS

| | |
|-------------------------------|----------|
| Maximum Ramp Weight | 4026 lb. |
| Maximum Take-off Weight | 4010 lb. |
| Maximum Landing Weight | 4010 lb. |

Note: Weight and balance limitations contained in this flight manual supplement supersede those contained in STC SA02722CH (tip tanks).

POWER PLANT LIMITATIONS

No change.

CENTER OF GRAVITY LIMITS (Landing Gear Extended)

FORWARD LIMITS

74.0 inches aft datum to 3100 pounds with straight-line variation to 81.0 inches at 3650 pounds, with straight line variation to 81.0 inches at 4010 pounds.

AFT LIMIT

87.7 inches aft datum at all weights.

MANEUVER LIMITS

This is a NORMAL CATEGORY airplane when operated in excess of 3650 lb. Spins and acrobatic maneuvers are prohibited. Normal category airplanes are limited to non-acrobatic operation. Non-acrobatic operation includes,

- (1) Any maneuver incident to normal flying.
- (2) Stalls (except whip stalls).
- (3) Lazy eights, chandelles, and steep turns in which the angle of bank is not more than 60°.
- (4) Spins are prohibited.

FLIGHT LOAD FACTORS

Positive Maneuvering Load Factors

| | |
|-----------------|-------|
| Flaps Up..... | 3.8 G |
| Flaps Down..... | 2.0 G |

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Model _____ Serial # _____
 Kit # _____ Approved By _____ Date _____

PLACARDS

In full view of the pilot:

FUEL CONSUMPTION MAY EXCEED TIP TANK TRANSFER RATE. INITIATE TRANSFER WITH BOTH MAINS AT LEAST 1/2 FULL. MONITOR MAIN TANK GAUGES TO PREVENT OVERFLOW.

On left side panel (Airspeed values are IAS)

NORMAL CATEGORY AIRPLANE
(WHEN OPERATED IN EXCESS OF 3650 LB. GROSS WEIGHT)
AIRSPEED LIMITATION (NORMAL CAT. OPERATIONS)
MAXIMUM DESIGN MANEUVERING SPEED 162 KNOTS
OPERATE IN ACCORDANCE WITH FAA APPROVED
MANUAL / PILOT'S OPERATING HANDBOOK. INTENTIONAL
SPINS ARE PROHIBITED. NO ACROBATIC MANEUVERS
APPROVED

SECTION III EMERGENCY PROCEDURES

No Change

SECTION IV NORMAL PROCEDURES

AIRSPEEDS FOR SAFE OPERATION

Maximum Turbulent Air Penetration.....

132 KCAS
132 KIAS

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Model _____ Call # _____ Serial # _____
Kit # _____ Approved By _____ Date _____

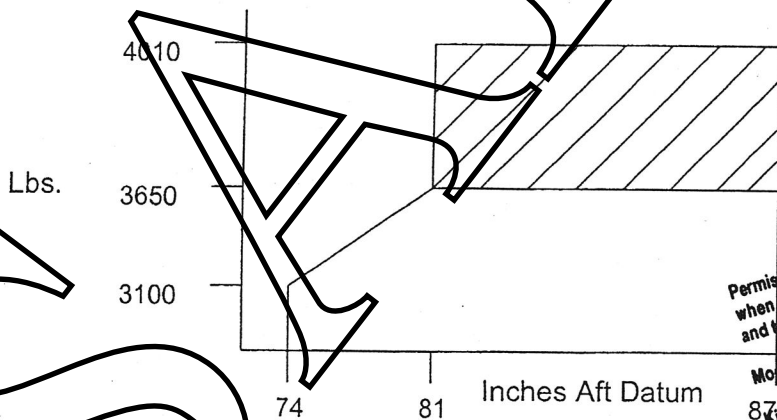
SECTION V PERFORMANCE

Since the certification basis of this modification does not include a requirement that performance be made available, and since the modifier did not choose to supply this information, no performance is listed at gross weights above the basic airplane. Climb performance, and take-off and landing distance charts originally presented for this model do not apply to this STC modification. Decreased climb performance, and increased ground roll/distance to 50 ft. altitude can be expected. Additionally, fuel consumption and range/endurance information originally presented for this model do not apply to this STC modification. Increased fuel consumption and reduced range/endurance can be expected.

It should be noted that this airplane complies with CAR 3 certification requirements for normal category operations up to 4010 lb. gross weight.

SECTION VI WEIGHT AND BALANCE

| Weight Condition | Forward CG Limit | Aft CG Limit |
|---------------------------|------------------|--------------|
| 4010lb. (Max take-off) | 81.0 | 87.7 |
| 3650 lb. | 81.0 | 87.7 |
| 3100 lb. or less | 74.0 | 87.7 |



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 Kit # _____ Approved By _____ Date _____

Note: Weight and balance limitations contained in this flight manual supplement supersede those contained in STC SA02722CH (tip tanks).