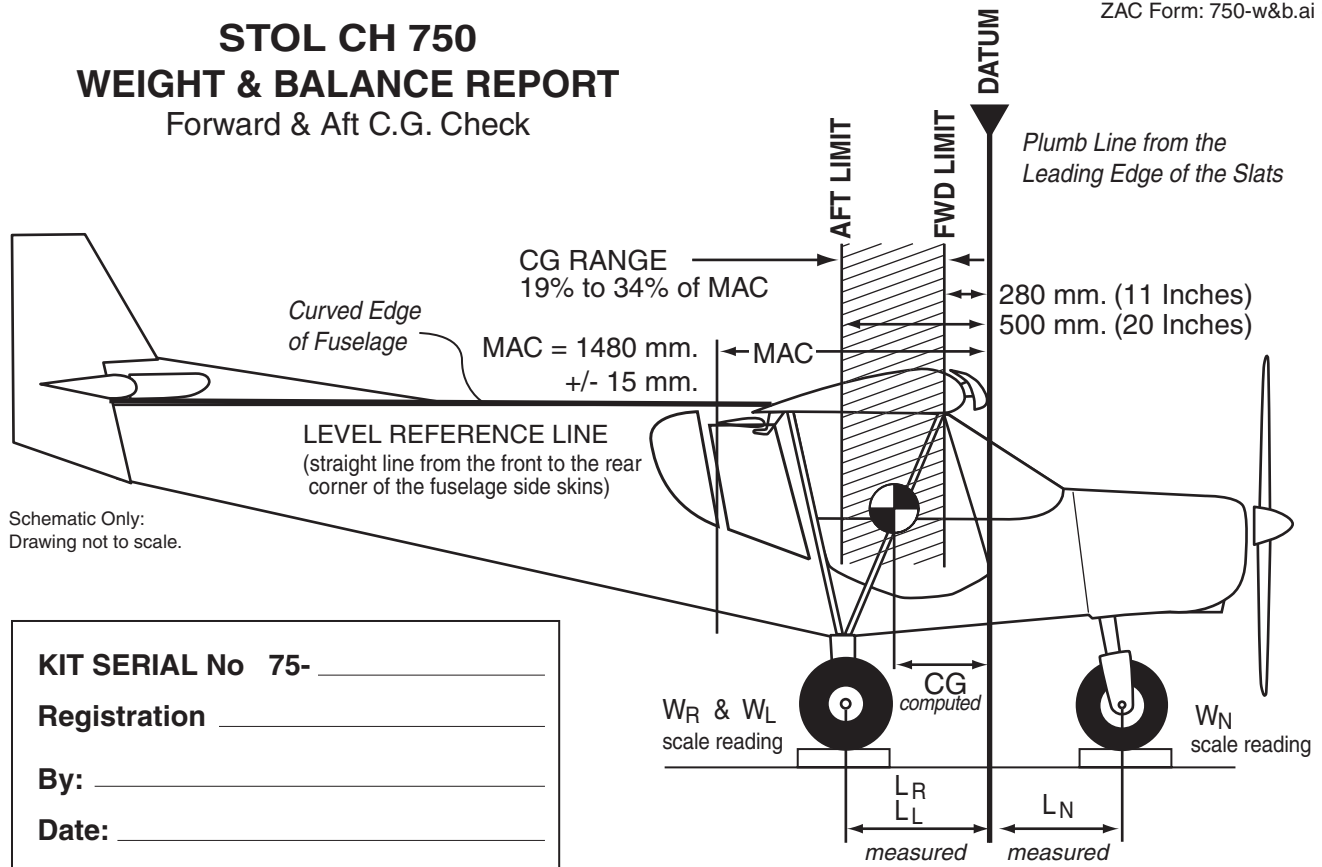


STOL CH 750

WEIGHT & BALANCE REPORT

Forward & Aft C.G. Check



KIT SERIAL No 75- _____

Registration _____

By: _____

Date: _____

| ITEM | WEIGHT (pounds) | ARM (mm.) | MOMENT |
|--------------------------|----------------------|------------------|----------------------------------|
| AIRCRAFT EMPTY CG | RIGHT MAIN WHEEL | $W_R =$ | $L_R =$ $W_R \times L_R$ |
| | LEFT MAIN WHEEL | $W_L =$ | $L_L =$ |
| | NOSE WHEEL | $W_N =$ | $L_N = -$ <i>negative arm</i> |
| | Computed CG EMPTY | Empty Weight: | $CG =$ <i>arm to Datum</i> |

Forward Check:
Add to the empty weight and aircraft moment items located forward of the computed empty CG (such as fuel) plus the pilot.

| | | | MOMENT - Forward | MOMENT - Rear |
|------------------------------------|---------------------|--|------------------|---------------|
| PILOT / PASSENGER | | 650* | | |
| WING TANKS L & R: ___ Gal. each | | 630 | | |
| REAR BAGGAGE | | 1600 | | |
| TOTAL | $TW_F =$ | * Depends on individuals' weight distribution. | $TM_F =$ | $TM_R =$ |
| | $TW_R =$ | | | |
| Gross Weight: | Take-Off Weight: | | $CG_{FRD} =$ | $CG_{AFT} =$ |

CG Range: From **280 mm.** to **500 mm.**

$$\text{Center of Gravity (CG)} = \frac{\text{Total Moment (TM)}}{\text{Total Weight (TW)}}$$

STOL CH 750: Center of Gravity Limits

Diagram is not to scale

