



WEIGHED: _____ BY: _____

DATUM: FRONT FACE OF PROP FLANGE
 MAC 40.75
 LE MAC @ 50.66" AFT OF DATUM
 LEVELING POINT: TOP LONGERONS, REAR COCKPIT

EMPTY WEIGHT:
 LEFT MAIN: _____
 RIGHT MAIN: _____
 TAIL WHEEL: _____
 TOTAL EMPTY WEIGHT: _____

EMPTY WEIGHT C.G.:
 LM 42.000
 RM 42.000
 TW 226.000

EMPTY C.G. = $o/b = \dots$ " AFT OF DATUM
 EMPTY WEIGHT C.G. = $(c'' - 50.66'')/40.75'' = \dots$ % MAC
 EWCC
 MFCC

MOST FORWARD LOADING:
 WEIGHT PT. WEIGHT ARM MOMENT
 FUEL 120 51,000 6,120
 PASS 200 83,000 16,600
 PILOT 190 115,000 21,850
 BAGGAGE 40 143,000 5,720

MOST FORWARD LOAD = $d/e = f'' - 50.66''/40.75'' = \dots$ % MAC
 MOST REARWARD LOADING:
 WEIGHT PT. WEIGHT ARM MOMENT
 FUEL 320 51,000 16,320
 PASS 200 83,000 16,600
 PILOT 290 115,000 23,000
 BAGGAGE 40 143,000 5,720

MOST REARWARD LOAD = $g/h = i''$ AFT OF DATUM
 MOST REARWARD LOAD = $(j'' - 50.66'')/40.75'' = \dots$ % MAC
 MRCC

PERFORMANCE:
 239 MPH NEVER EXCEED SPD.
 175 MPH 70% CRUISE SPD.
 165 MPH MAX MANEUVERING SPD.
 65 MPH STALL SPEED
 525 MILE RANGE W/ RESERVE
 54 GAL. FUEL CAPACITY
 3000+ FPM RATE OF CLIMB
 300+ DEG./SEC. ROLL RATE

SPECIFICATIONS:
 LENGTH - 19 FT. 8 IN.
 HEIGHT - 8 FT. 9 IN.
 SPAN - UPPER 22 FT.
 SPAN - LOWER 21 FT.
 AREA - TOTAL 150 SQ. FT.
 WING LOADING 15.33PSF
 GROSS WEIGHT 2250 LBS.
 EMPTY WEIGHT 1450 LBS.

STAGGER AT CENTER SECTION: 24.9"
 UPPER DIHEDRAL: 0.0 DEGREES
 LOWER DIHEDRAL: 0.5 DEGREES
 STAB DIHEDRAL: 0.0 DEGREES
 UPPER WING INCIDENCE: 2.0 DEGREES
 LOWER WING INCIDENCE: 2.0 DEGREES
 STAB INCIDENCE: 2.0 DEGREES
 ALERON TRAVEL: 25 DEG. UP AND DOWN +/-1
 ELEV TRAVEL: 25 DEG. UP AND DOWN +/-1
 RUDDER TRAVEL: 30 DEG. LEFT AND RIGHT +/-1
 TRIM TRAVEL: 10 UP 15 DOWN +/-5
 WING SWEEP ANGLE: 7 DEG UPPER, 0.0 LOWER
 MAX DEMONSTRATED CROSSWIND COMPONENT: 20KTS

The information on this page is for informational purposes only. It is not intended to be used for flight operations. For more information, contact the manufacturer.

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ENTER AS SPECIFIED
 DIMENSIONS ARE IN
 INCHES UNLESS
 OTHERWISE NOTED
 2 DECIMALS +/- .005
 SHOW ALL SHARP EDGES
 DRG NO. 12-102HP
 REV. 1/75
 SCALE 1/2" = 1"