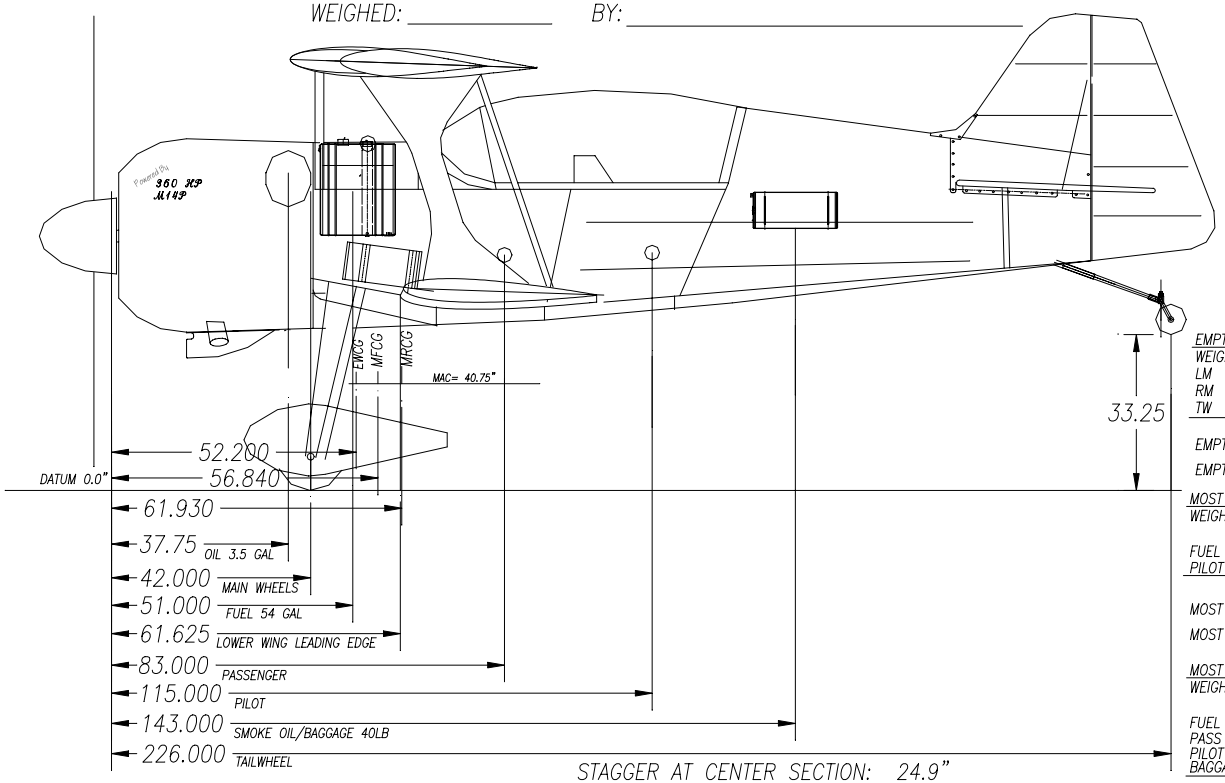
WEIGHED: _____ BY: _____



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.:

WEIGH PT.	WEIGHT	ARM	MOMENT
LM	_____	42.000	_____
RM	_____	42.000	_____
TW	_____	226.00	_____
	_____ b		_____a

EMPTY C.G = a/b=_____c" AFT OF DATUM
EMPTY WEIGHT C.G = (c"–50.66")/40.75" = _____ % MAC (EWCG)

MOST FORWARD LOADING:

WEIGH PT.	WEIGHT	ARM	MOMENT
	_____b		_____a
FUEL	120	51.000	6120
PILOT	190	115.00	21850
	_____ e		_____d

MOST FORWARD LOAD = d/e= f" AFT OF DATUM
MOST FORWARD LOAD =(f"–50.66")/40.75" = _____ % MAC (MFCG)

MOST REARWARD LOADING:

WEIGH PT.	WEIGHT	ARM	MOMENT
	_____b		_____a
FUEL	320	51.000	16320
PASS	200	83.000	16600
PILOT	200	115.00	23000
BAGGAGE	40	143.00	5720
	_____h		_____g

MOST REARWARD LOAD = g/h=j" AFT OF DATUM
MOST REARWARD LOAD =(j"–50.66")/40.75" = _____ % MAC (MRCG)

PERFORMANCE:

239 MPH NEVER EXCEED SPD.
175 MPH 70% CRUISE SPD.
165 MPH MAX MANOUVERING 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 INCEDENCE: 2.0 DEGREES
LOWER WING INCEDENCE: 2.0 DEGREES
STAB INCEDENCE 2.0 DEGREES
AILERON 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 COMPENENT: 20KTS

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Model 12, Incorporated
P. O. BOX 849
ZELLWOOD, FL 32798

EXCEPT AS SPECIFIED, TOLERANCES ARE:
ANGULAR +/- .5
3 DECIMALS +/- .010
2 DECIMALS +/- .030
1 DECIMAL +/- .060
BREAK ALL SHARP EDGES

MODEL A/C 12 PITTS MODEL 12
DWG TITLE WEIGHT AND BAL DIAGRAM HIGH PERF. PITTS MODEL 12

EFF A/C 0001 & ON | DRAWN BY RANDLE 11/96 | APPROVED BY KK 3/99 | SIZE D | DWG NO. 12-102HP | REV – | SCALE 1/15 | NEXT ASSY. | SHEET 1 OF 1