

## Departure Information

ATIS CODE \_\_\_\_\_  
TEMP/DEW \_\_\_\_\_  
ALTIMETER \_\_\_\_\_

P-ALT \_\_\_\_\_  
DEN/ALT \_\_\_\_\_  
WIND \_\_\_\_\_

## WEIGHT AND BALANCE PA30 N84JS

Max Gross 3600  
Empty Weight 2543  
Empty Weight C.G. 84.86  
Useful Load 1057

| ITEM                | WEIGHT  | X | ARM   | = | MOMENT    |
|---------------------|---------|---|-------|---|-----------|
| Empty Weight        | 2543.00 |   | 84.86 |   | 215798.98 |
| Fuel Nacelle Tanks  |         |   | 93.0  |   |           |
| Fuel ( Inboard)     | 324.00  |   | 90.0  |   | 29160.00  |
| Fuel (Outboard)     | 180.00  |   | 95.0  |   | 17100.00  |
| Pilot/Pass. (Front) |         |   | 84.8  |   |           |
| Passenger (Rear)    |         |   | 120.5 |   |           |
| Baggage (Max 200)   | 20.00   |   | 142.0 |   | 2840.00   |
| Wing Lockers        | 10.00   |   | 130.0 |   | 1300.00   |
| <b>TOTALS</b>       | _____   |   |       |   | _____     |

C.G. = Total Moment Divided by Total Weight      C.G. = \_\_\_\_\_      *Most Forward C.G. = 85.8*  
*Most Rearward C.G. = 92*

S.E.S.C. \_\_\_\_\_      S.E.A.C. \_\_\_\_\_  
(Single Engine Service Ceiling)      (Single Engine Absolute Ceiling)

## Departure Performance

Takeoff Distance \_\_\_\_\_      Rate Of Climb (Single Engine) \_\_\_\_\_

Landing Distance \_\_\_\_\_      Rate Of Climb (Two Engines) \_\_\_\_\_

Accelerate Stop \_\_\_\_\_      Accelerate Go \_\_\_\_\_

(( 50 / (se roc x 60 / ground speed)) x 5280 ) + Takeoff Distance

a. se roc x 60 = a

b. a / ground speed = b

c. b x 5280 = c

d. 50 / c = d

e. d + Takeoff Distance = Accelerate-Go Distance  
(where d is the distance from rotation to clear 50' obstacle)