

## 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	0		93.0		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. \_\_\_\_\_  
 (Single Engine Service Ceiling)

S.E.A.C. \_\_\_\_\_  
 (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 Dist

- i. se roc x 60 = a
- ii. a / ground speed = b
- iii. 50 / b = c
- iv. c x 5280 = d
- v. d + TakeoffDistance = Accelerate-Go Distance (where d is the distance from rotation to clear 50' obstacle)