

Departure Information

ATIS CODE _____
TEMP/DEW _____
ALTIMETER _____

P-ALT _____
DEN/ALT _____
WIND _____

WEIGHT AND BALANCE PA30 N7261Y

Max Gross 3600
Empty Weight 2278.63
Empty Weight C.G. 83.17
Useful Load 1321.37

ITEM	WEIGHT	X	ARM	=	MOMENT
Empty Weight	2278.63		83.17		189520.49
Oil (7.5 LBS per Gal)	30.00		51.0		1530.00
Fuel (Inboard)	324.00		90.0		29160.00
Fuel (Outboard)	180.00		95.0		17100.00
Pilot/Pass. (Front)			84.8		
Passenger (Rear)			118.5		
Baggage (Max 200)	20.00		142.0		2840.00
TOTALS	_____				_____

C.G. = Total Moment Divided by Total Weight C.G. = _____ *Most Forward C.G. = 81*
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 _____

$((50 / (se\ roc \times 60 / ground\ speed)) \times 5280) + Takeoff\ Distance$

a. $se\ roc \times 60 = a$

b. $a / ground\ speed = b$

c. $50 / b = c$

d. $c \times 5280 = d$

e. $d + Takeoff\ Distance = Accelerate\ Go\ Distance$

(where d is the distance from rotation to clear 50' obstacle)