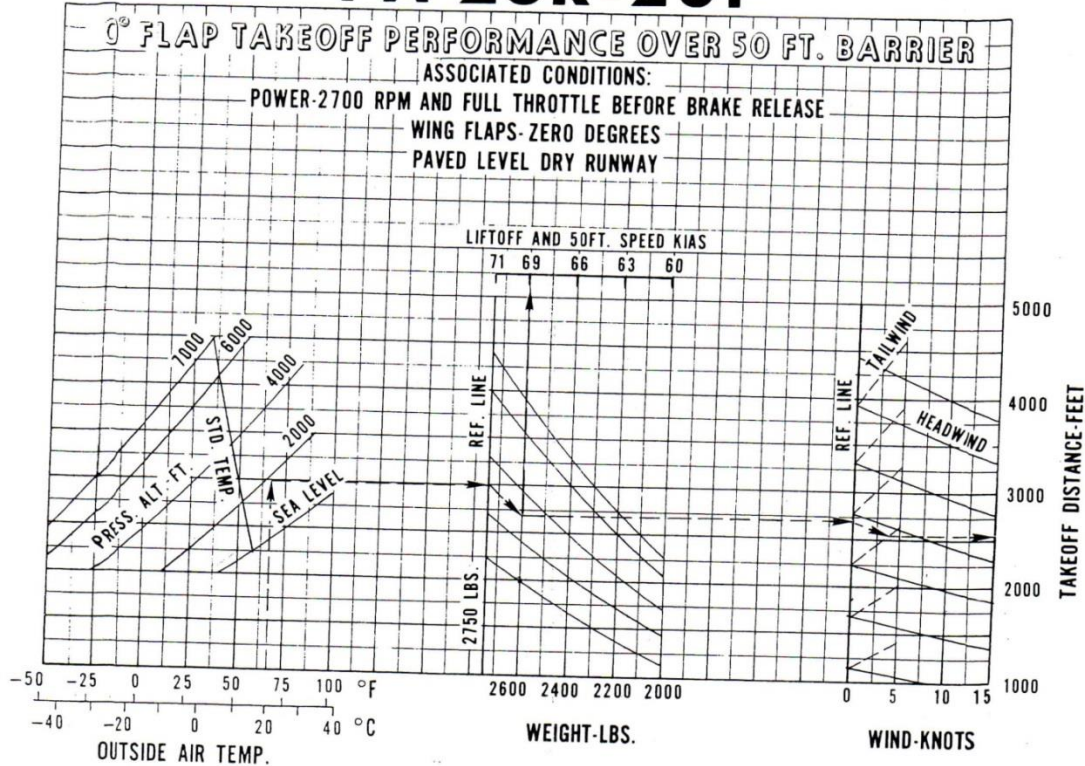


# Andrewsfield Aviation Ltd – G-BNSG PA 28R 201 Take Off

## PA-28R-201

Example:

Pressure altitude: 1900 ft.  
 Outside air temperature: 20°C  
 Weight: 2600 lbs.  
 Surface wind: 4 kts. (headwind)  
 Liftoff speed: 69 KIAS  
 Speed at 50 ft.: 69 KIAS  
 Takeoff distance: 2550 ft.



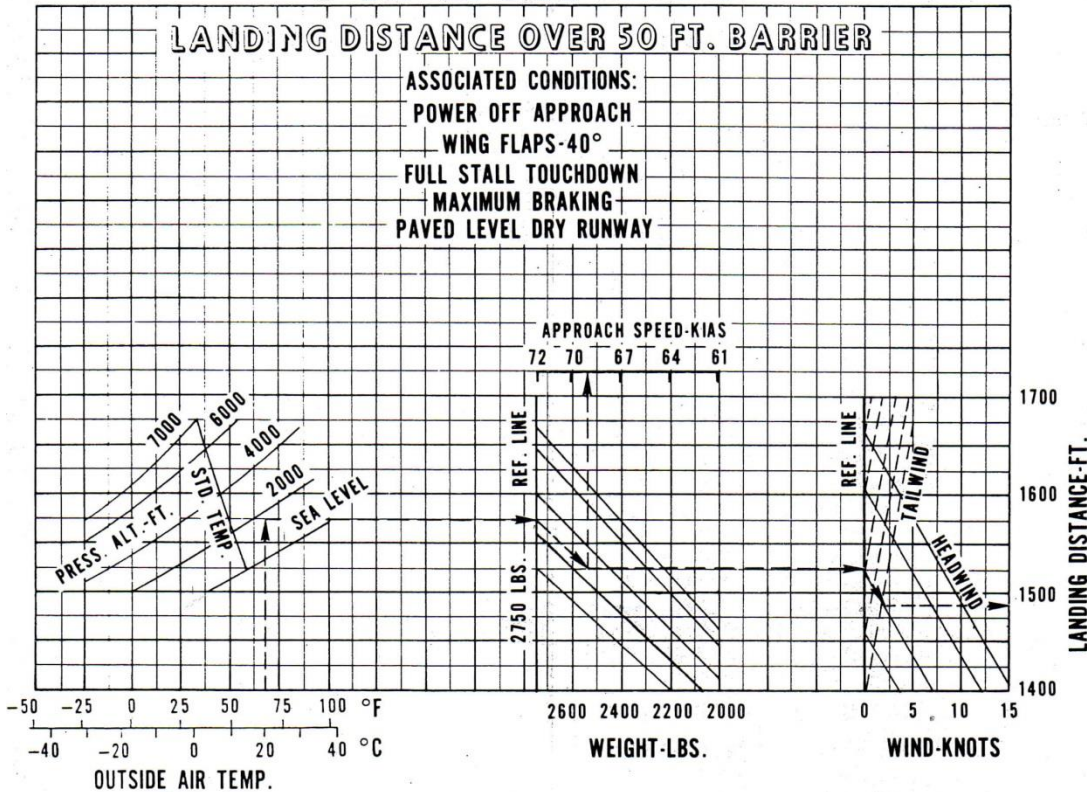
Aerodrome Name..... No Stopway or Clearway TORA =(A)

TODR =  X  1.065 Dry Grass X  1.25 EuOps = (B)

(B) Must not exceed (A) EU Ops factor 1.25 not included in Flight Manual

\* 6.5% Dry Grass taken from Flight Manual.

# PA-28R-201



Example:

Destination pressure altitude: 1900 ft.  
 Outside air temperature: 20°C  
 Landing weight: 2538 lbs.  
 Surface wind: 2 kts. (headwind)  
 Approach speed: 69 KIAS  
 Landing distance: 1490 ft.

Aerodrome Name.....

Still Air / Any Runway

LDR =  X  =  X  = LDR(A)  LDA (B)=

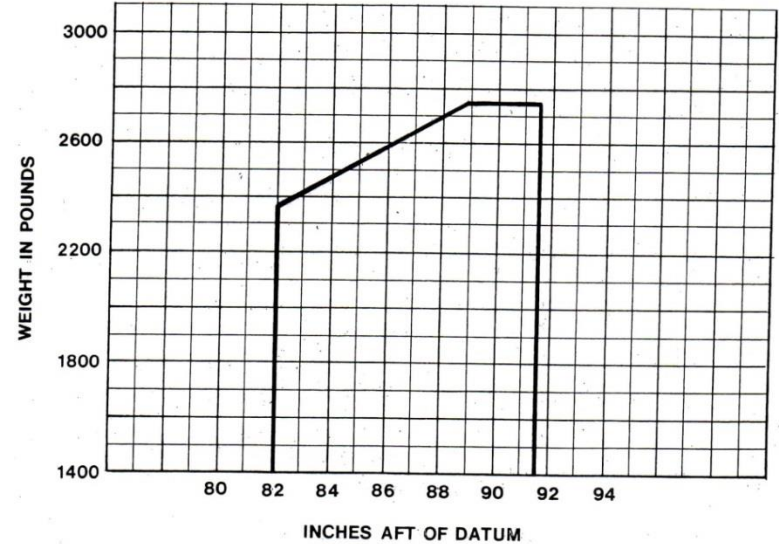
(A) Must not exceed (B) EU Ops factor 1.43 not included in Flight Manual

\* 8% Dry Grass taken from Flight Manual.

# Andrewsfield Aviation Ltd – G-BNSG PA 28R 201      Mass & Balance

Max Take Off Weight <u>2750lbs</u>	Weight (Lbs)	Arm Aft Datum (Inches)	Moment (in-Lbs)
Basic Empty Weight	1795.7	83.75	150389.9
Pilot & Front Passenger		80.5	
Passenger rear seat		118.1	
Fuel(72 Gal Max)		95.0	
Baggage		142.8	
Moment due to Retraction of Landing Gear			819
Total Loaded A/C			
Fuel Used :45lts ph			
Landing Weight			

Totals must be within approved weight and C.G. limits. It is the responsibility of the airplane owner and the pilot to insure that the airplane is loaded properly. The Basic Empty Weight C.G. is noted on the Weight and Balance Data Form (Figure 6-5). If the airplane has been altered, refer to the Weight and Balance Record for this information.



Notes