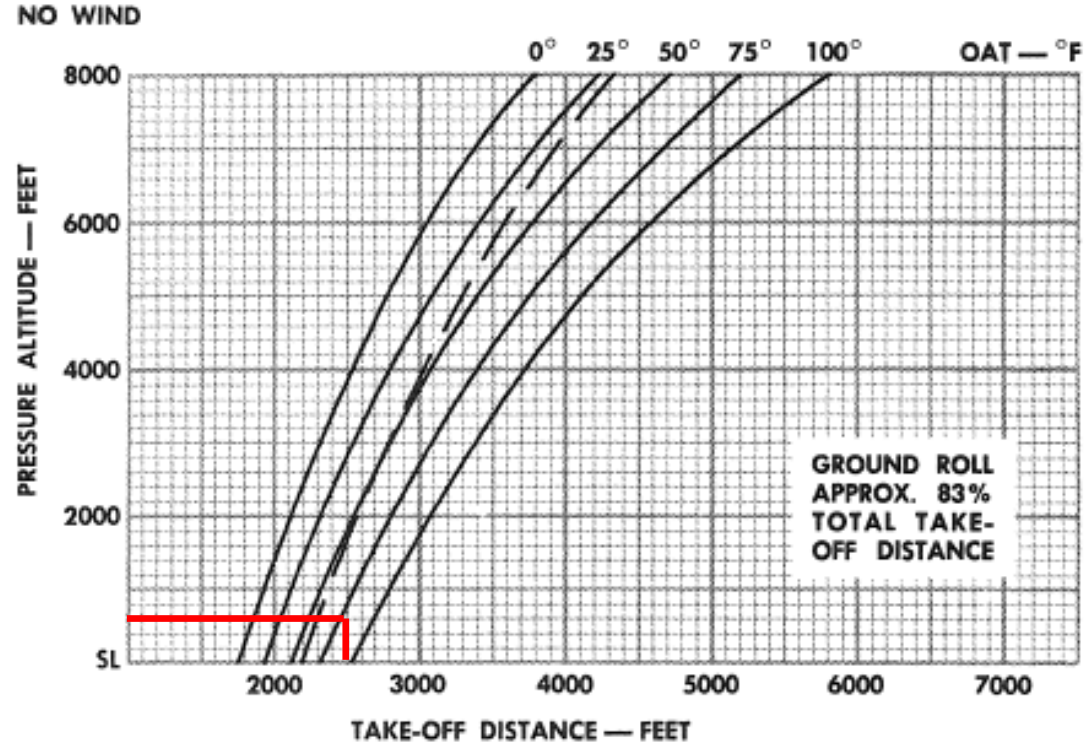


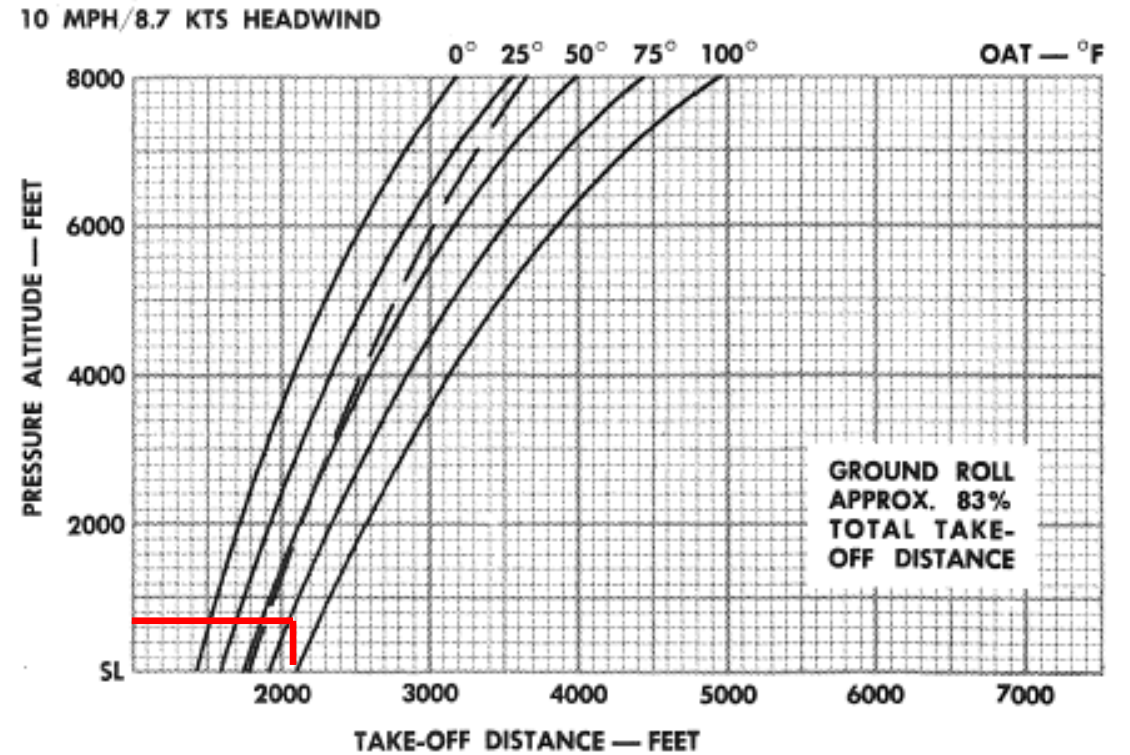
NORMAL TAKE-OFF DISTANCE

DISTANCE OVER 50 FEET
 GROSS WEIGHT 4200 LBS.
 ZERO FLAPS
 TAKE-OFF SPEED = 85 MPH/73.8 KTS (IAS)
 — — STD TEMP



No wind, 75F, PA 550 (assume 600), 4200 lbs
 Take-off Distance 2,500' (assume 3,750')

Example

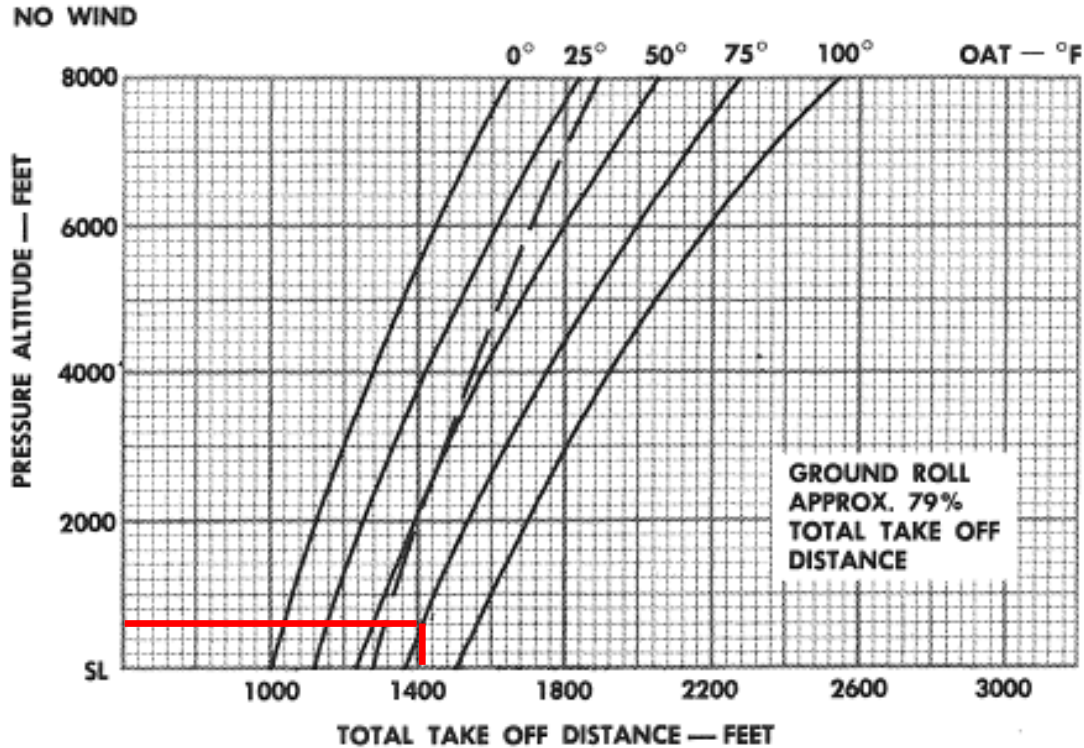


No wind, 75F, PA 550 (assume 600), 4200 lbs
 Take-off Distance 2,100' (assume 3,000')

$$PA \text{ (ft)} = (29.92 - \text{AltSet.}(\text{in/hg})) * 1000 + \text{FieldElev.}(\text{ft})$$

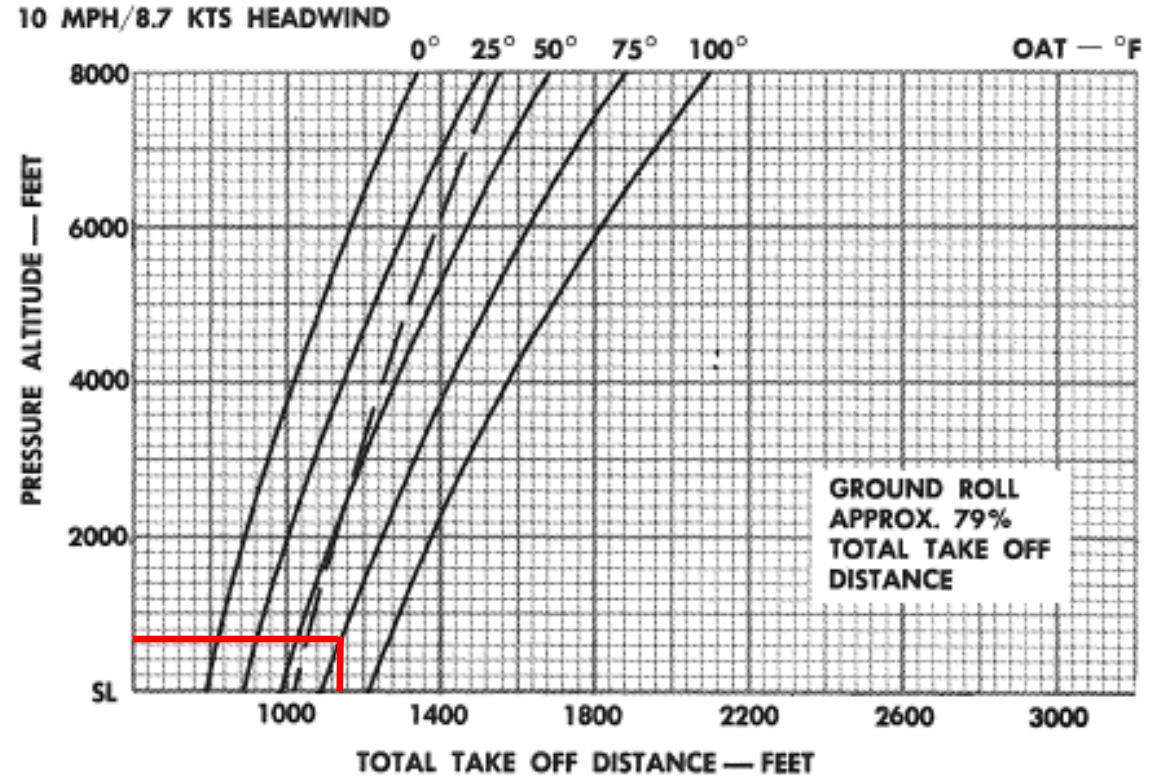
SHORT FIELD TAKE-OFF

DISTANCE OVER 50 FEET
 GROSS WEIGHT 4200 LBS.
 FLAPS 20 DEGREES
 TAKE OFF SPEED 70 MPH/60.8 KTS (IAS)
 — — STD. TEMP.



No wind, 75F, PA 550 (assume 600), 4200 lbs
 Take-off Distance 1,400' (assume 2,100')

Example

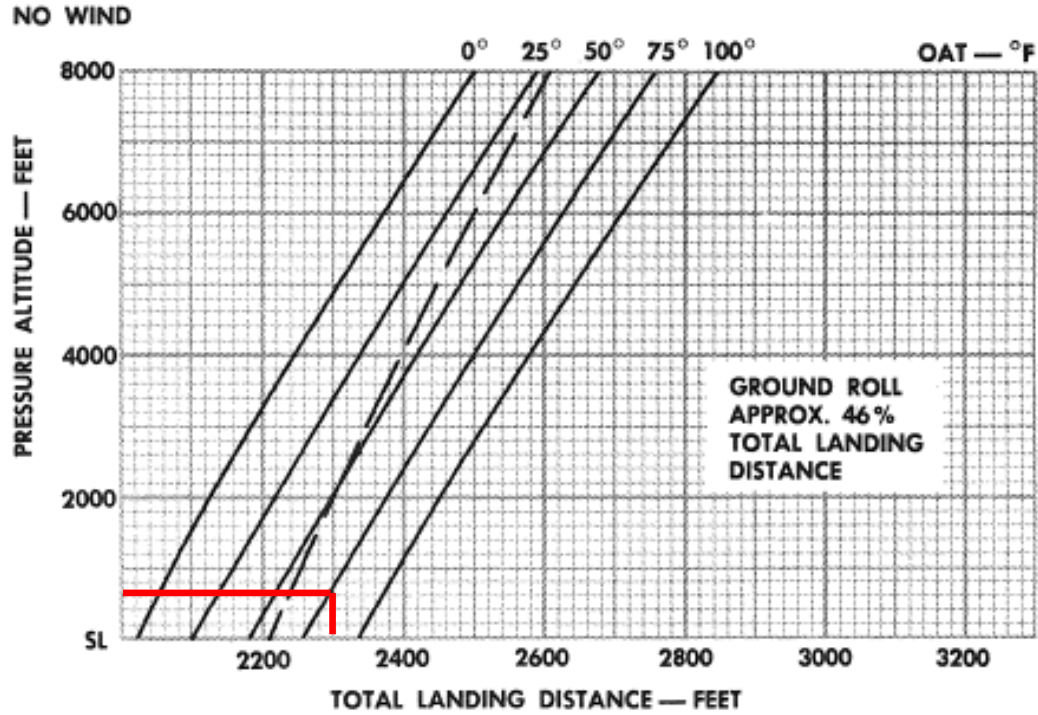


No wind, 75F, PA 550 (assume 600), 4200 lbs
 Take-off Distance 1,250' (assume 2,000')

$$PA \text{ (ft)} = (29.92 - \text{AltSet.}(\text{in/hg})) * 1000 + \text{FieldElev.}(\text{ft})$$

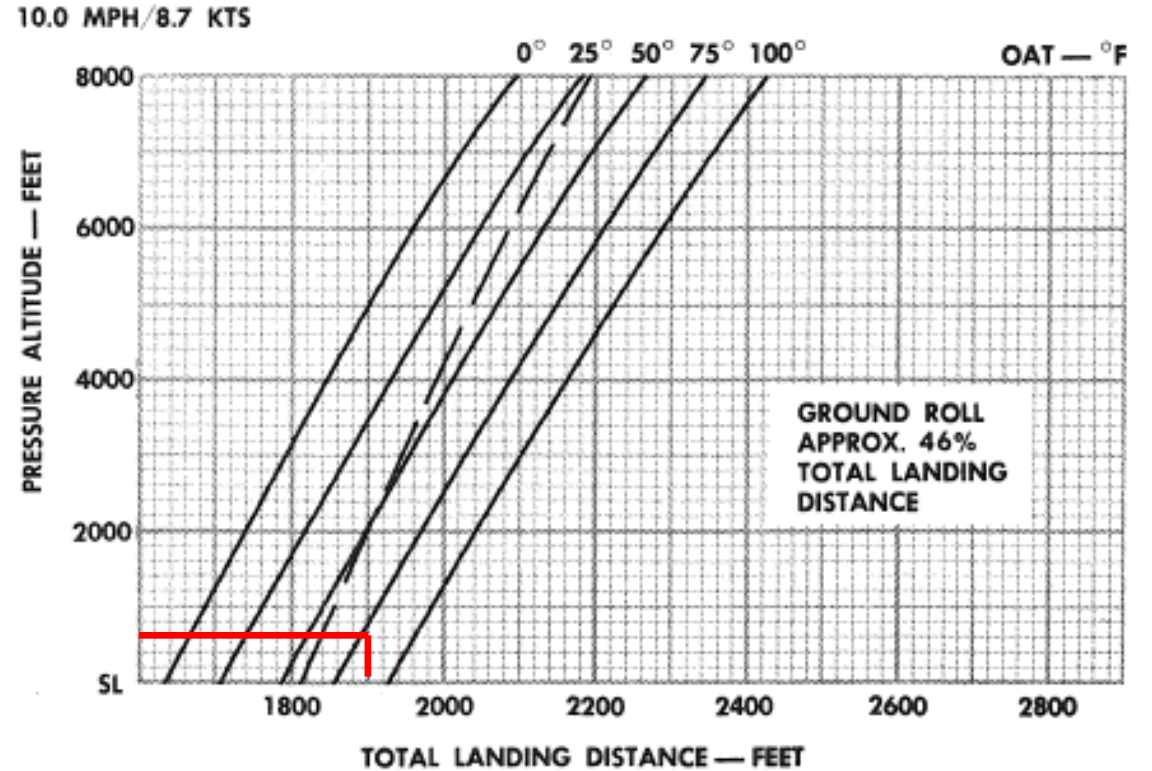
NORMAL LANDING

DISTANCE OVER 50 FEET
 GROSS WEIGHT 4200 LBS
 FLAPS 28 DEGREES
 APPROACHED SPEED AT 50 FEET = 91 MPH/78.8 KTS (IAS)
 — — STD. TEMP.



No wind, 75F, PA 550 (assume 600), 4200 lbs
 Landing Distance 2,300' (assume 3,500')

Example

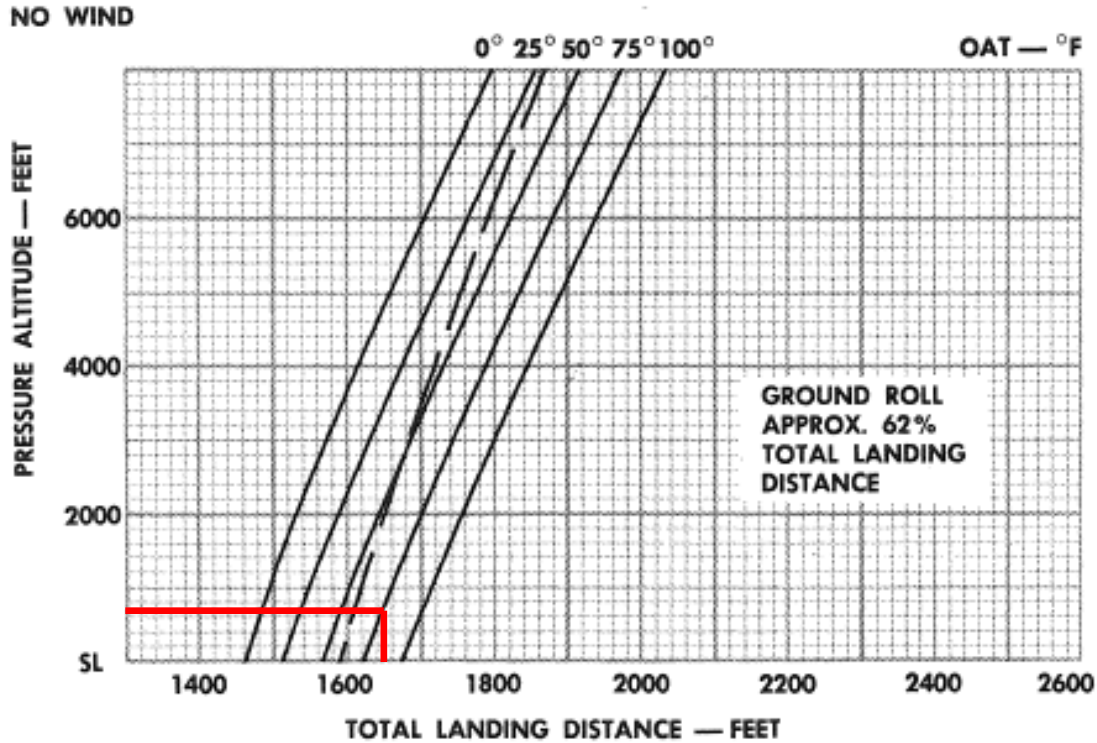


6-20 No wind, 75F, PA 550 (assume 600), 4200 lbs
 Landing Distance 1,900' (assume 3,000')

$$PA \text{ (ft)} = (29.92 - \text{AltSet.}(\text{in/hg})) * 1000 + \text{FieldElev.}(\text{ft})$$

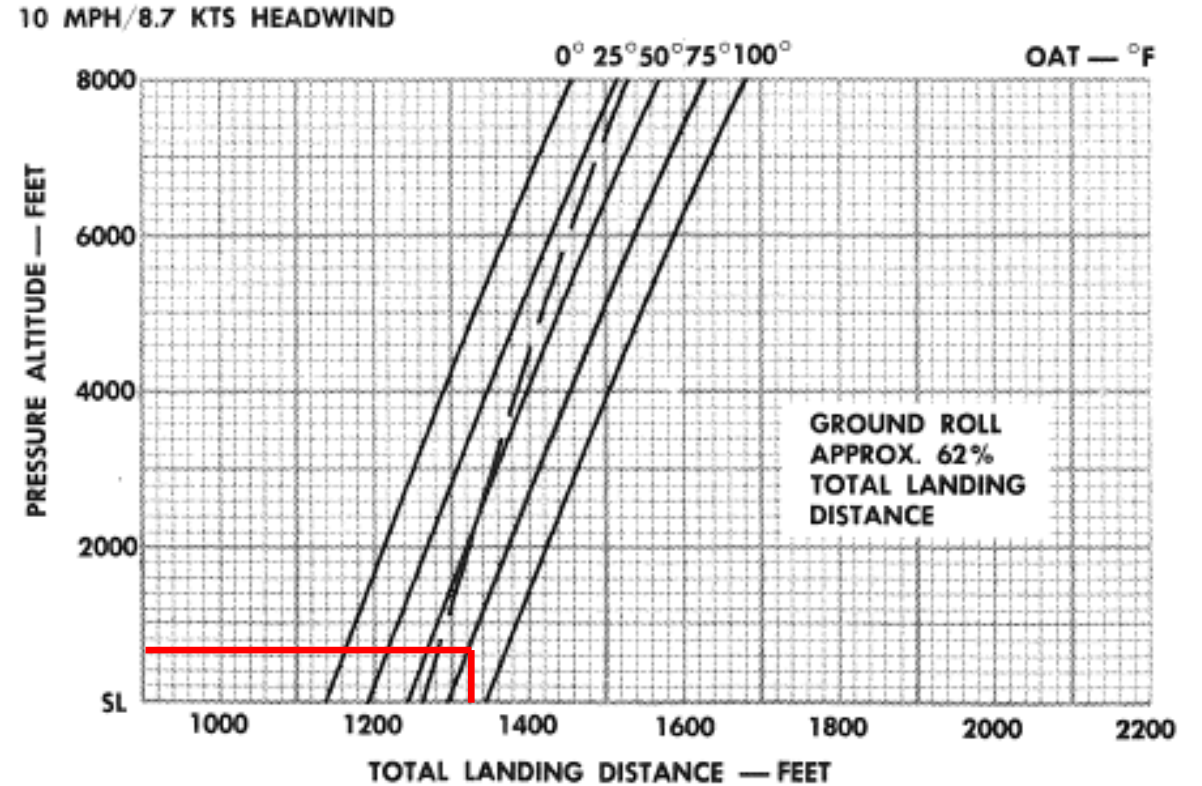
SHORT FIELD LANDING

DISTANCE OVER 50 FEET
 GROSS WEIGHT 4200 LBS
 FLAPS 28 DEGREES
 APPROACHED SPEED AT 50 FEET = 85 MPH/73.8 KTS (IAS)
 — — STD. TEMP.



No wind, 75F, PA 550 (assume 600), 4200 lbs
 Landing Distance 1,650' (assume 2,500')

Example



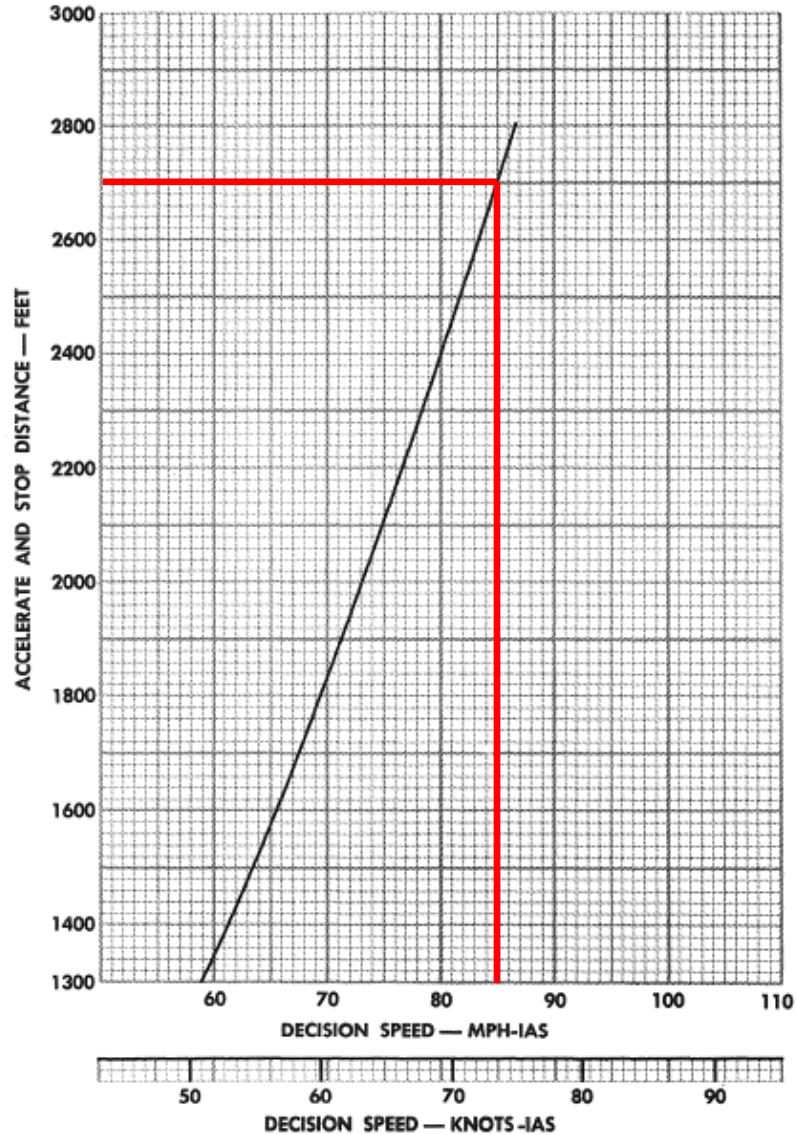
6-22

No wind, 75F, PA 550 (assume 600), 4200 lbs
 Landing Distance 1,310' (assume 2,000')

$$PA \text{ (ft)} = (29.92 - \text{AltSet.}(\text{in/hg})) * 1000 + \text{FieldElev.}(\text{ft})$$

ACCELERATE AND STOP DISTANCE

GROSS WEIGHT 4200 LBS.
FLAPS UP



Example

Assume Gross @ 4200
Accelerate & Stop = 2,700'