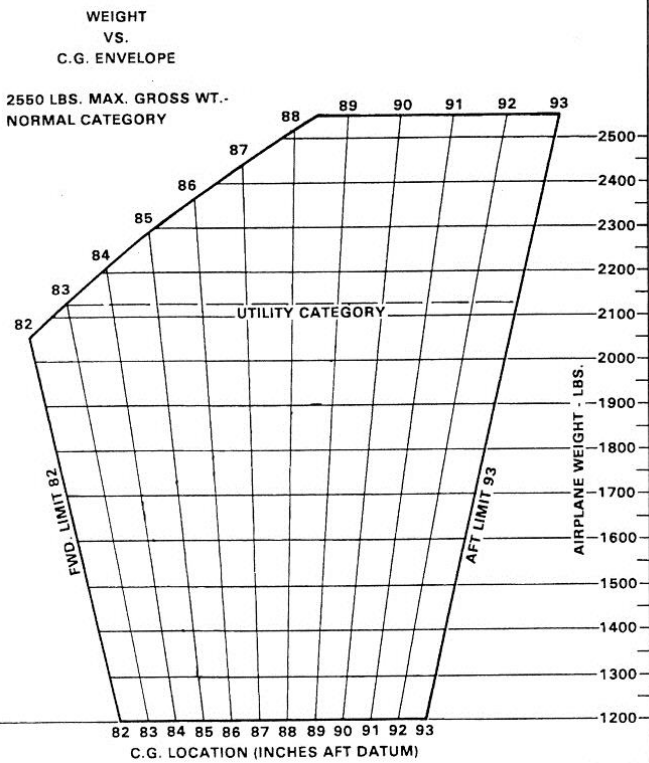


### Flight Data

N	Date	ETD	Due Back Time
Instructor	Student 1	Student 2	Flight Plan <u>filed</u> with FSS (Y/N)
Fuel on board	VFR / IFR	Dual / Solo	Mission #
Route / Practice Area		Next Maintenance Event Due:	

### Weight & Balance Data



\*Utility category operations – No baggage or rear pax allowed.

Item	Weight (Lbs)	Arm Aft Datum (In)	Moment (In-Lbs)
Basic Empty Weight			
Pilot and Front Passenger		80.5	
Passengers (Rear Seat)*		118.1	
Fuel (48 USG max.)		95.0	
Baggage (200 lbs max.)*		142.8	
<b>Ramp Weight</b> (2558 lbs Normal – 2138 lbs Utility max.)			
Fuel Allowance (Start-Taxi-Run-up)	-8	95.0	-760
<b>Takeoff Weight</b> (2550 lbs Normal – 2130 lbs Utility max.)			
Estimated Fuel Burnoff		95.0	
<b>Landing Weight</b> (2550 lbs Normal – 2130 lbs Utility max.)			

Aircraft	BEW	Arm	Moment	Aircraft	BEW	Arm	Moment
N4133K	1668.5	87.88	146622.2	N961WG	1662.5	87.68	145762.4
N4140W	1726.0	87.86	151637.8	N962WG	1670.5	87.69	146482.0
N4144P	1684.5	87.50	147387.6	N965WG	1684.5	87.48	147354.0
N4149Y	1680.5	88.10	148049.6	<b>ALWAYS CHECK POH FOR UPDATED DATA!!</b>			
N4177L	1759.0	88.53	155726.2				

### Performance Data

Airport:	ATIS:		
X-Wind Component:	kts	Pressure Altitude:	ft
TODR:	ft	TODR x 1.25:	ft ≤
LDR:	ft	Destination LDA:	ft
		Density Altitude:	ft
		Departure TODA:	ft

# FLAPS UP TAKEOFF PERFORMANCE

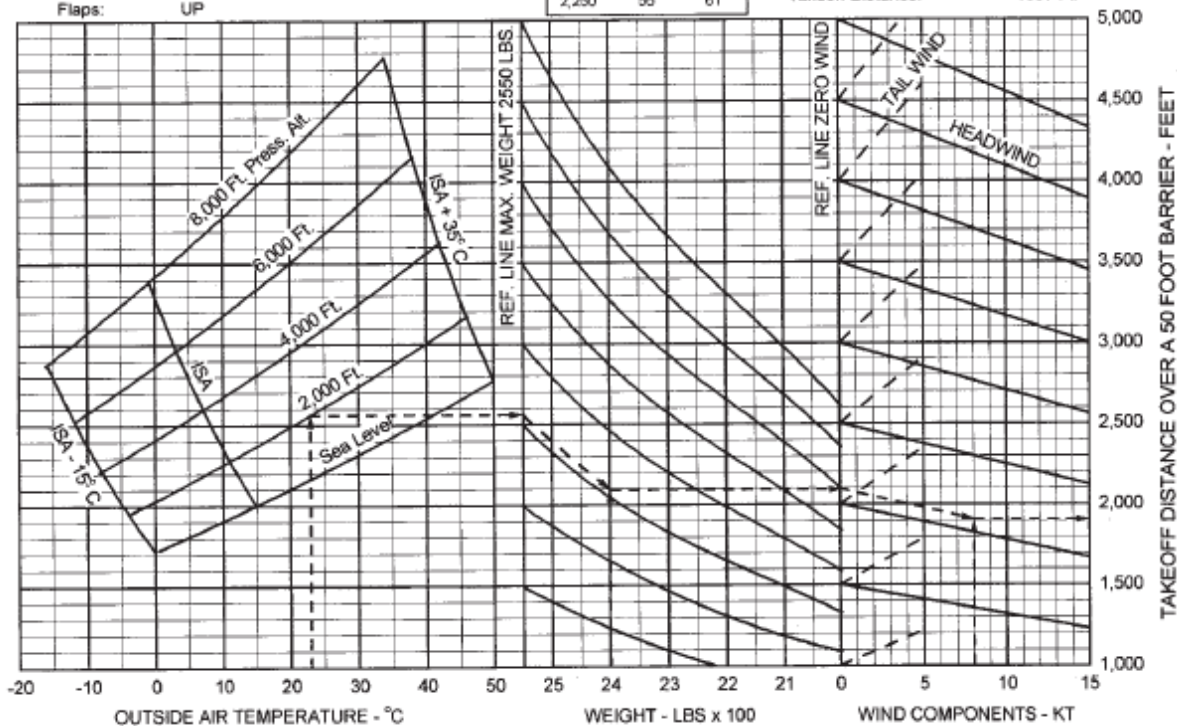
## ASSOCIATED CONDITIONS:

Power: FULL THROTTLE BEFORE BRAKE RELEASE  
 Air Conditioner: OFF  
 Runway: PAVED, LEVEL, & DRY  
 Airspeed: REFER TO TABLE AT RIGHT  
 Propeller: SENSENICH 76EM8S14-0-62  
 Flaps: UP

TAKEOFF SPEEDS	KIAS	
	WT	LIFTOFF
2,550	60	65
2,450	58	64
2,350	57	63
2,250	56	61

## EXAMPLE:

Depart Airport Pressure Alt: 2,000 Ft  
 Temperature: 23° C  
 Gross Weight: 2,400 Lb.  
 Headwind: 8 Kt.  
 Takeoff Distance: 1907 Ft.



## FLAPS UP TAKEOFF PERFORMANCE

Figure 5-7

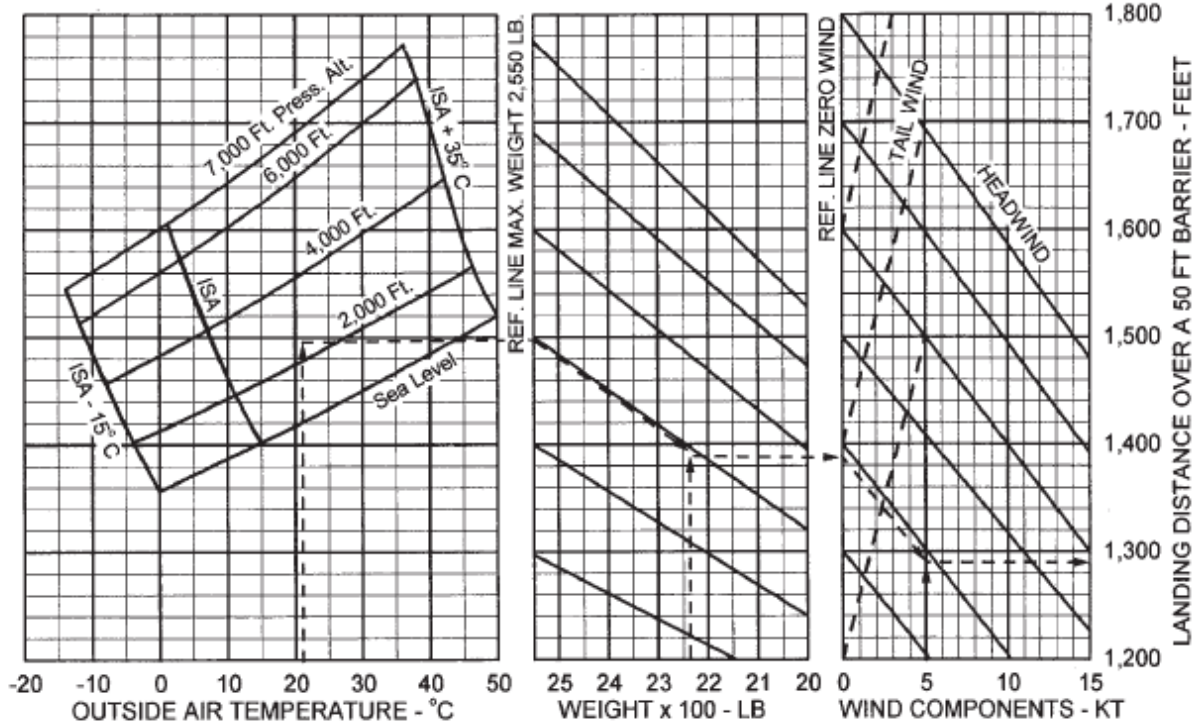
# LANDING PERFORMANCE

## ASSOCIATED CONDITIONS

Power Off Approach, 40° Flaps, 66 KIAS, Full Stall  
 Touchdown, Maximum Braking, Paved, Level, Dry Runway

## EXAMPLE:

Airport Pressure Altitude: 2,500 FT.  
 O.A.T.: 21°C  
 Gross Weight: 2,240 LB.  
 Headwind: 5 KT.  
 Landing Distance: 1,290 FT.



## LANDING PERFORMANCE

Figure 5-35