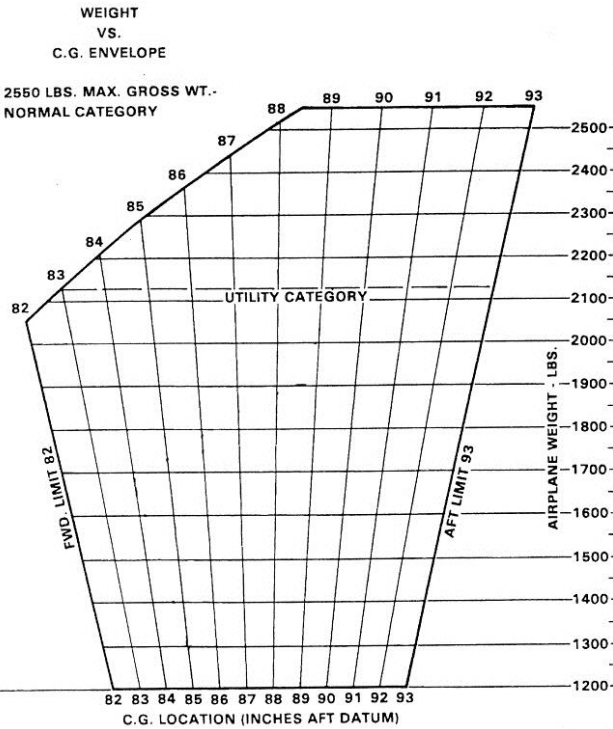


Flight Data

| | | | |
|-----------------------|-----------|-----------------------------|-------------------------|
| N | Date | ETD | Due Back Time |
| Instructor | Student 1 | Student 2 | Flight Plan Filed (Y/N) |
| Fuel on board | VFR / IFR | Dual / Solo | Mission # |
| Route / Practice Area | | Next Maintenance Event Due: | |

Weight & Balance Data



**Use of the airplane in the utility category is not approved by CAE Oxford Aviation Academy.*

| 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 | |
| Ramp Weight (2558 lbs Normal – 2138 lbs Utility max.) | | | |
| Fuel Allowance (Start-Taxi-Run-up) | -8 | 95.0 | -760 |
| Takeoff Weight (2550 lbs Normal – 2130 lbs Utility max.) | | | |
| Trip Fuel | | 95.0 | |
| Landing Weight (2550 lbs Normal – 2130 lbs Utility max.) | | | |

| Aircraft | BEW | Arm | Moment | Aircraft | BEW | Arm | Moment |
|----------|--------|-------|----------|----------|--------|-------|----------|
| N4400P | 1770.2 | 90.02 | 159352.0 | N4403M | 1772.2 | 90.00 | 159492.6 |
| N4400S | 1769.2 | 90.14 | 159478.4 | N4403N | 1764.0 | 90.26 | 159214.6 |
| N4400W | 1767.2 | 90.12 | 159259.0 | N4403P | 1774.2 | 89.73 | 159196.5 |
| N4400X | 1772.2 | 90.00 | 159492.6 | N4403W | 1773.2 | 90.01 | 159602.2 |
| N4401F | 1766.2 | 90.12 | 159149.3 | N4403Z | 1772.2 | 90.09 | 159650.1 |
| N4402N | 1770.2 | 90.06 | 159430.7 | N4404F | 1771.9 | 89.97 | 159411.9 |
| N4402T | 1774.2 | 89.60 | 158960.3 | N28614 | 1781.2 | 89.76 | 159885.6 |
| N4402U | 1771.2 | 90.08 | 159540.4 | N28421 | 1767.2 | 89.90 | 158865.5 |
| N4402W | 1768.2 | 89.95 | 159053.8 | N28251 | 1769.2 | 90.19 | 159557.1 |
| N4403F | 1775.2 | 89.78 | 159384.8 | N28154 | 1767.2 | 90.21 | 159416.4 |
| N4403L | 1767.2 | 89.90 | 158865.5 | N28852 | 1765.2 | 90.01 | 158882.1 |

Performance Data for relevant airports

| | | | | | | | |
|-------------------|-------|--------------------|----|-------------------|------------------|----|--|
| Airport: | ATIS: | | | | | | |
| X-Wind Component: | kts | Pressure Altitude: | ft | Density Altitude: | ft | | |
| TODR: | ft | TODR x 1.25: | ft | ≤ | Departure TODA: | ft | |
| LDR: | ft | LDR x 1.43: | ft | ≤ | Destination LDA: | ft | |

FLAPS UP TAKEOFF PERFORMANCE

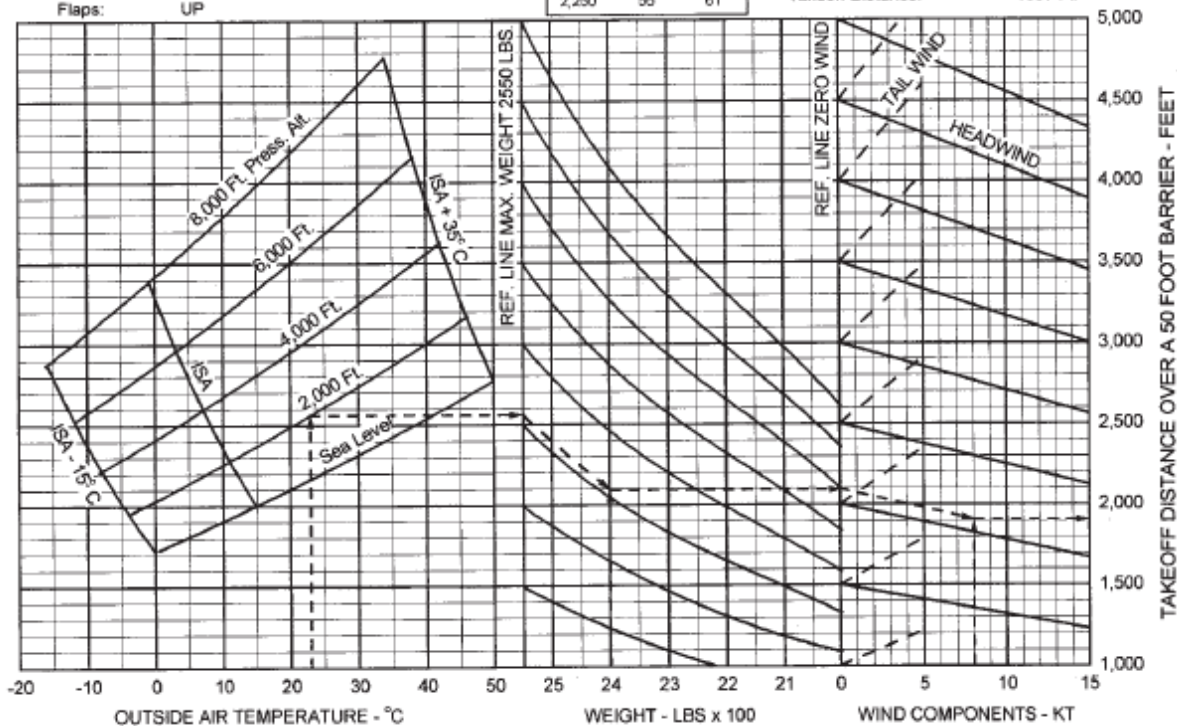
ASSOCIATED CONDITIONS:

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

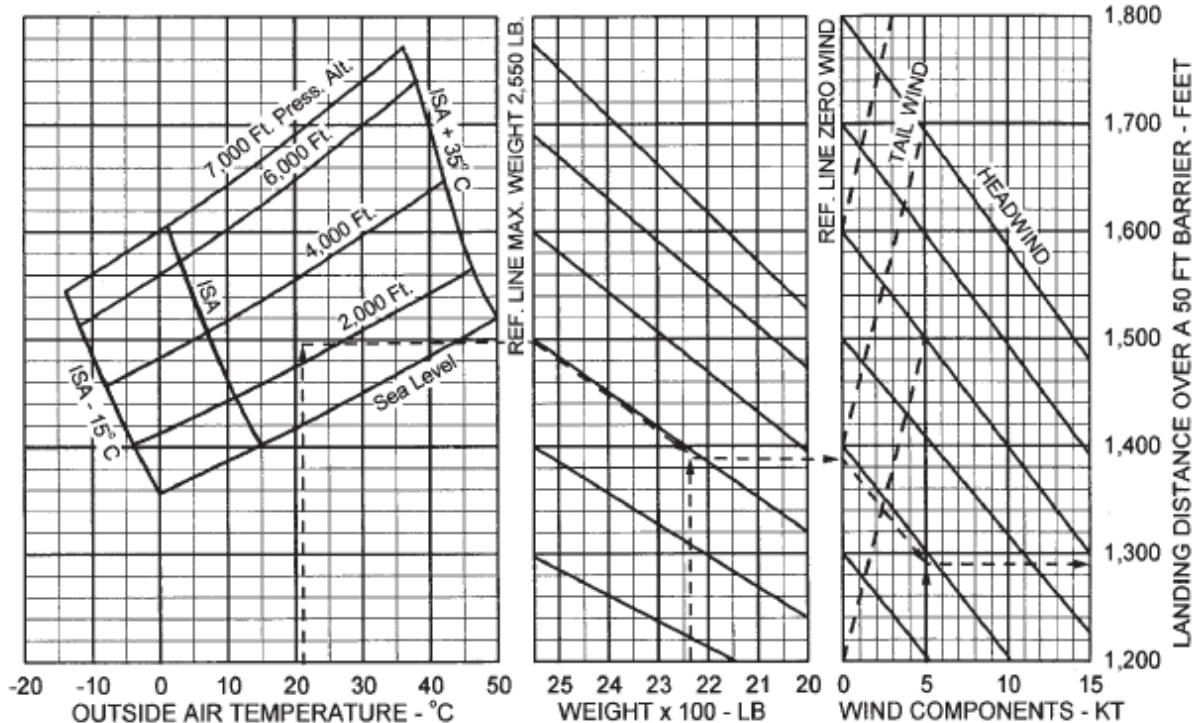
LANDING PERFORMANCE

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