

# CESSNA 172S N37JA

## FORMULAS

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| <i>Moment</i>            | Weight * Arm = Moment                                |
| <i>Center of Gravity</i> | Total Moment / Total Weight = Center of Gravity (CG) |
| <i>Fuel Weight (lbs)</i> | Fuel Gallons * 6 = Fuel Weight                       |

## WEIGHT & BALANCE

|                        | Weight  | Arm    | Moment    |
|------------------------|---------|--------|-----------|
| Basic Empty Weight     | 1635.50 | 38.32" | 62,672.36 |
| Front Pilots           |         | 37"    |           |
| Rear Passengers        |         | 73"    |           |
| Baggage 1 (120lbs max) |         | 95"    |           |
| Baggage 2 (50lbs max)  |         | 123"   |           |
| Fuel Weight            |         | 48"    |           |

|                     |  |                     |  |
|---------------------|--|---------------------|--|
| <b>Total Weight</b> |  | <b>Total Moment</b> |  |
|---------------------|--|---------------------|--|

|                          |  |
|--------------------------|--|
| <b>Center of Gravity</b> |  |
|--------------------------|--|

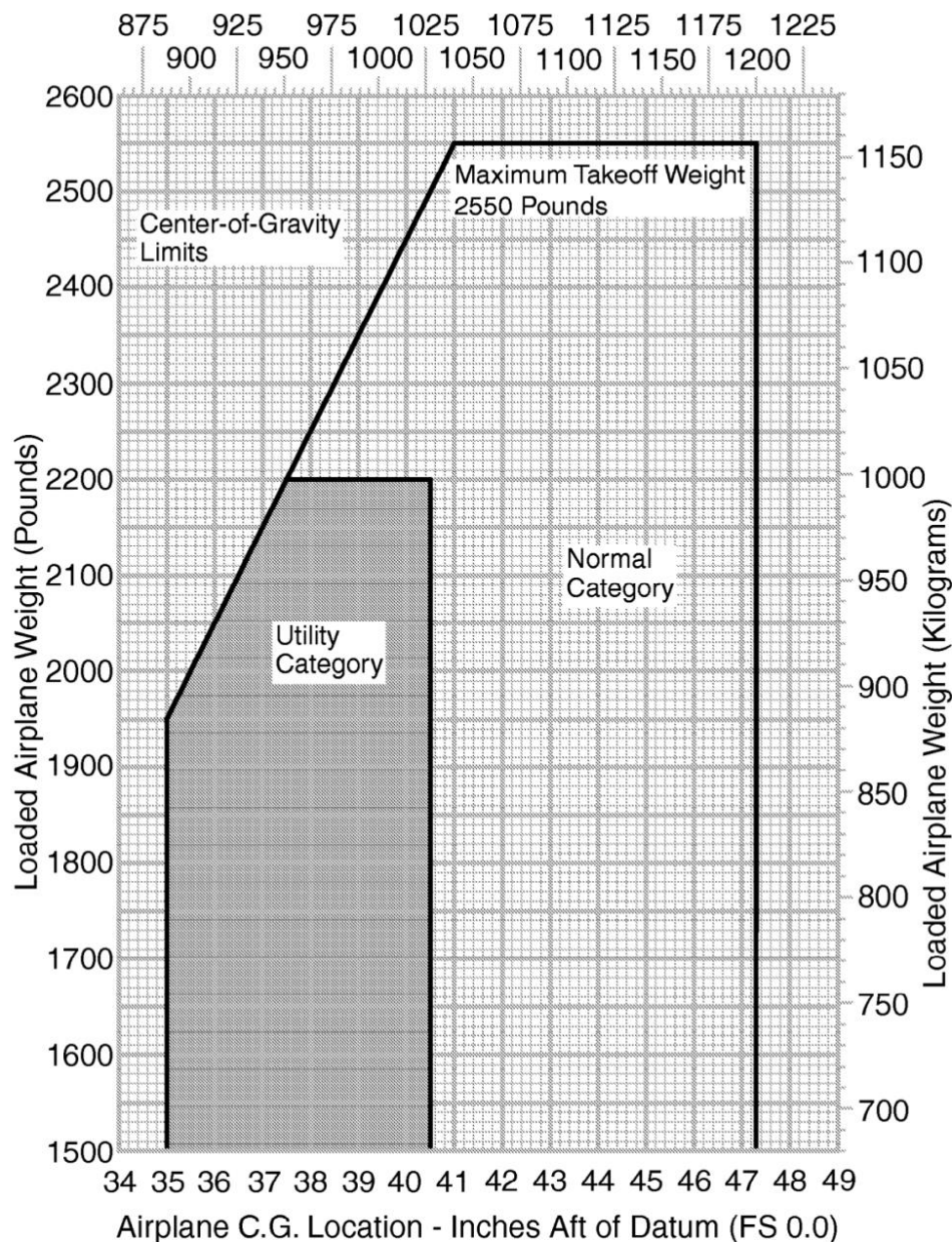
## PERFORMANCE

|                              |  |                              |  |
|------------------------------|--|------------------------------|--|
| Short Field Takeoff Distance |  | Short Field Landing Distance |  |
| Ground Roll                  |  | Ground Roll                  |  |
| 50 ft Obstacle               |  | 50 ft Obstacle               |  |

## CENTER-OF-GRAVITY LIMITS

B4078

Airplane C.G. Location - Millimeters Aft of Datum (FS 0.0)



# GREAT BASIN AVIATION

## AIRWORTHINESS CHECKLIST

### CESSNA 172S N37JA

| INSPECTIONS              |                 |            |                    |                 |
|--------------------------|-----------------|------------|--------------------|-----------------|
| <i>Inspection</i>        | <i>Duration</i> | <i>FAR</i> | <i>Most Recent</i> | <i>Next Due</i> |
| Annual                   | 12 months       | 91.409 (a) |                    |                 |
| VOR Check                | 30 days         | 91.171     |                    |                 |
| 100-Hr                   | 100 hours       | 91.409 (b) |                    |                 |
| Airworthiness Directives | 24 months       | 91.411     |                    |                 |
| Transponder              | 24 months       | 91.413     |                    |                 |
| ELT                      | 12 months       | 91.207 (d) |                    |                 |
| ELT Battery              | See MX logs     | 91.207 (c) |                    |                 |
| Static and Altimeter     | 24 months       | 91.411     |                    |                 |

#### REQUIRED EQUIPMENT – FAR 91.205

##### VFR DAY – FAR 91.205 (b)

- ☐ Anti-Collision Light System
- ☐ Tachometer
- ☐ Oil Pressure Gauge
- ☐ Manifold Pressure (if applicable)
- ☐ Airspeed Indicator
- ☐ Temperature Gauge
- ☐ Oil Temperature Gauge
- ☐ Fuel Quantity Indicator
- ☐ Landing Gear Position Indicator (if applicable)
- ☐ Altimeter
- ☐ Magnetic Compass
- ☐ ELT
- ☐ Safety Belts

##### VFR NIGHT – FAR 91.205 (c)

- ☐ All Day VFR Equipment
- ☐ Fuses
- ☐ Landing Light
- ☐ Position Indicator Lights
- ☐ Source of Electricity

##### IFR – FAR 91.205 (d)

- ☐ All Day VFR Equipment
- ☐ All Night VFR Equipment
- ☐ Alternator
- ☐ Turn Indicator
- ☐ Attitude Indicator
- ☐ Slip/ Skid Indicator
- ☐ Clock
- ☐ Radio Equipment
- ☐ Heading Indicator

##### Documents

- ☐ Airworthiness Certificate (FAR 91.203)
- ☐ Registration Certificate (FAR 91.203)
- ☐ Operating Handbook (FAR 91.9)
- ☐ Weight and Balance
- ☐ External Data Plate (FAR 45.11)
- ☐ Compass Deviation Card (FAR 23.1547)