

# WEIGHT & BALANCE AND INSTALLED EQUIPMENT DATA

CESSNA AIRCRAFT COMPANY  
SINGLE ENGINE DIVISION



| MODEL   | SERIAL & REGISTRATION |        | WEIGHT                                   | ARM     | MOMENT  |
|---|-----------------------|--------|--|---------|---------|
| 172S  | 172S10313             | N1120Z | (lbs)                                    | (in)    | (lb-in) |
| (calculated)  | STANDARD EMPTY WEIGHT |        | 1,663.2                                  | 40.720  | 67,726  |
| INSTALLED EQUIPMENT                                     |                       |        | <i>Net Change from Standard Aircraft</i> |         |         |
| BAGGAGE NET   |                       |        | 0.0                                      | 0.000   | 0       |
| FUEL SAMPLING CUP                                       |                       |        | 0.0                                      | 0.000   | 0       |
| PILOT'S CHECKLIST                                       |                       |        | 0.0                                      | 0.000   | 0       |
| POH AND FAA APPROVED AIRPLANE FLIGHT MANUAL             |                       |        | 0.0                                      | 0.000   | 0       |
| TOW BAR, NOSE GEAR (STOWED)                             |                       |        | 0.0                                      | 0.000   | 0       |
| AIRSPPEED INDICATOR                                     |                       |        | 0.0                                      | 0.000   | 0       |
| ALTIMETER WITH 20 FT MARKING, DUAL WINDOW, 20000 FT     |                       |        | 0.0                                      | 0.000   | 0       |
| ATTITUDE INDICATOR                                      |                       |        | 0.0                                      | 0.000   | 0       |
| BLIND ALTITUDE ENCODER INSTL                            |                       |        | 0.0                                      | 0.000   | 0       |
| COMPONENTS REQUIRED FOR FRONT SEAT INFLATABLE RESTRAINT |                       |        | 0.3                                      | 45.300  | 14      |
| DUAL AXIS AUTOPILOT                                     |                       |        | 19.7                                     | 91.200  | 1,797   |
| EMERGENCY LOCATOR TRANSMITTER INSTL                     |                       |        | 0.0                                      | 0.000   | 0       |
| ENGINE, LYCOMING IO-360-L2A                             |                       |        | 0.0                                      | 0.000   | 0       |
| GDL-69A WEATHER DATALINK RECEIVER                       |                       |        | 4.0                                      | 47.000  | 188     |
| PROPELLER ASSY, MCCAULEY, FIXED PITCH, 1A170E/JHA7660   |                       |        | 0.0                                      | 0.000   | 0       |
| STC SA01700LA FRONT SEAT INFLATABLE RESTRAINT SYSTEM    |                       |        | 3.8                                      | 45.300  | 172     |
| VINYL/LEATHER SEATS                                     |                       |        | 0.0                                      | 0.000   | 0       |
| WHEEL FAIRING INSTALLATION                              |                       |        | 16.5                                     | 46.100  | 761     |
| FIRE EXTINGUISHER INSTALLATION                          |                       |        | 0.0                                      | 0.000   | 0       |
| INTERIOR INSTALLATION                                   |                       |        | 0.0                                      | 0.000   | 0       |
| AFT AVIONICS COOLING FAN                                |                       |        | 1.1                                      | 109.500 | 120     |
| AVIONICS COOLING FAN                                    |                       |        | 0.5                                      | 12.400  | 6       |
| EQUIPMENT REMOVED FOR NAVIII                            |                       |        | -34.4                                    | 48.700  | -1,675  |
| 3DC-74 AIR DATA COMPUTER (ADC)                          |                       |        | 1.7                                      | 118.690 | 202     |
| GDU-1040 MFD DISPLAY                                    |                       |        | 6.4                                      | 16.260  | 104     |
| GDU-1040 PDF DISPLAY                                    |                       |        | 6.4                                      | 16.260  | 104     |
| GEA-71 ENGINE ANALYZER                                  |                       |        | 2.2                                      | 11.450  | 25      |
| GIA-63#1 COM/NAV/GPS COMPUTER                           |                       |        | 5.2                                      | 113.400 | 590     |
| GIA-63#2 COM/NAV/GPS COMPUTER                           |                       |        | 5.2                                      | 113.400 | 590     |
| GMA-1347 AUDIO PANEL                                    |                       |        | 1.5                                      | 14.000  | 21      |
| GMU-44 MAGNETOMETER                                     |                       |        | 0.3                                      | 52.650  | 16      |
| GRS-77 ATTITUDE HEADING REFERENCE SYSTEM (AHRS)         |                       |        | 2.5                                      | 118.750 | 297     |
| GTX-33 MODE S TRANSPONDER                               |                       |        | 3.8                                      | 114.000 | 433     |
| MFD FAN   |                       |        | 0.1                                      | 13.870  | 1       |
| NAV III ANTENNA WIRING                                  |                       |        | 3.5                                      | 44.000  | 154     |
| NAV III AVIONICS WIRING                                 |                       |        | 25.7                                     | 55.000  | 1,414   |
| PFD FAN   |                       |        | 0.1                                      | 13.660  | 1       |
| SINGLE VACUUM PUMP                                      |                       |        | 3.1                                      | -6.520  | -20     |
| STANDBY BATTERY INSTALLATION                            |                       |        | 14.0                                     | 11.200  | 157     |
| WIRING SUPPORT MODULE                                   |                       |        | 0.7                                      | 12.000  | 8       |

The weight and balance data shown in this report are computed on the basis of Federal

Weighed: 08/31/2006

Administration approved procedures for establishing fleet weight averages. [Far 21.327(f)(2)]

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This list contains all installed optional equipment and avionics. All weights and arms are the installed difference from a standard equipped aircraft. For a detailed list of aircraft equipment weight and balance data, please refer to the comprehensive equipment list in the pilots operating handbook.

|                         |         |        |        |
|-------------------------|---------|--------|--------|
| BASIC EMPTY WEIGHT      | 1,757.1 | 41.662 | 73,204 |
| USEFUL LOAD             | 800.9   |        |        |
| MAXIMUM RAMP WEIGHT     | 2,558.0 |        |        |
| MAXIMUM TAKE-OFF WEIGHT | 2,550.0 |        |        |

Revised 27 Aug. 2005

Numerical values shown may be rounded from actual values. Therefore, the product of weight times arm may not equal the listed be rounded from actual values. Therefore, the product of weight times arm may not equal the listed moment.