

# Cessna 152

N67503

2 passenger.

VFR/IFR trainer

Engine: Lycoming O-235-L2C engine.  
110 Horse power.

Fuel: 100LL  
Fuel Capacity: 24.5 useable  
Oil: 6qts. 4qts. (Aeroshell W100)  
Fixed pitch propeller

Max takeoff weight: 1670 lbs.  
Useful Load: lbs.  
Max Baggage Area Weight: 120 lbs.

Cruise speed 75% power: 114 mph  
Cruise range (No Reserve) 508 smi  
5.2 hrs  
Service Ceiling: 12,000 ft.

| <b>“V speeds”</b> |          | <b>Knots(Miles Per Hour (MPH))</b> |          |                    |        |
|-------------------|----------|------------------------------------|----------|--------------------|--------|
| V <sub>r</sub>    | 50(58)   | V <sub>x</sub>                     | 55(63)   | V <sub>y</sub>     | 67(77) |
| V <sub>so</sub>   | 35(40)   | V <sub>s</sub>                     | 40(46)   | V <sub>g</sub>     | 60(69) |
| V <sub>a</sub>    | 104(120) | V <sub>no</sub>                    | 111(128) | V <sub>fe</sub>    | 85(98) |
| V <sub>ne</sub>   | 149(171) | V <sub>ref</sub>                   | 70(81)   | V <sub>ref30</sub> | 55(63) |

## **Cruise performance:**

|         |        |          |           |
|---------|--------|----------|-----------|
| 2150rpm | 85kts. | 4.7 gph  | 55% power |
| 2300rpm | 92kts  | 5.4 gph  | 65% power |
| 2450rpm | 99kts  | 6.2 gph. | 75% power |