

# SPECIFICATIONS

## AIRCRAFT

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Certification</b>         | FAA Part 23                         |
| <b>Category</b>              | Normal 2,300 GW   Utility 1,980 GW  |
| <b>Type</b>                  | Single engine <i>land &amp; sea</i> |
| <b>Crew &amp; Passengers</b> | 2                                   |

## POWERPLANT

|                  |   |
|------------------|---|
| <b>Engine</b>    | Lycoming O-360-C1G <i>180 horsepower</i>              |
| <b>Propeller</b> | Hartzell Trailblazer <i>constant speed, composite</i> |

## DIMENSIONS

|                     |                      |
|---------------------|----------------------|
| <b>Length</b>       | 23 ft 10 in          |
| <b>Height</b>       | 8 ft 4 in            |
| <b>Wingspan</b>     | 34 ft 4 in           |
| <b>Wing Area</b>    | 174.8 sq ft          |
| <b>Cabin Width</b>  | 30" @ pilot position |
| <b>Cabin Height</b> | 52" @ pilot position |
| <b>Cargo Area</b>   | 26 cu ft             |

## WEIGHTS

|                            |                                     |
|----------------------------|-------------------------------------|
| <b>Empty Weight</b>        | 1,216 lbs <i>base configuration</i> |
| <b>Gross Weight</b>        | 2,300 lbs                           |
| <b>Maximum Useful Load</b> | 1,084 lbs                           |
| <b>Cargo Weight</b>        | 230 lbs                             |

## CAPACITIES

|             |                             |
|-------------|-----------------------------|
| <b>Fuel</b> | 49 gallons <i>46 usable</i> |
| <b>Oil</b>  | 8 quarts                    |

## PERFORMANCE

|                         |                                |
|-------------------------|--------------------------------|
| <b>Top Speed</b>        | 153 mph <i>in level flight</i> |
| <b>Cruise Speed</b>     | 145 mph <i>at 75% power</i>    |
| <b>Stall Speed</b>      | 39 mph                         |
| <b>Rate of Climb</b>    | 1,500 fpm                      |
| <b>Endurance</b>        | 6+ hrs                         |
| <b>Range</b>            | 800+ miles                     |
| <b>Takeoff Distance</b> | 170 ft <i>demonstrated</i>     |
| <b>Landing Distance</b> | 170 ft <i>demonstrated</i>     |

## SPEEDS

|            |  |
|------------|--|
| <b>VNE</b> | 167 mph* <i>never exceed redline</i>               |
| <b>Vs0</b> | 46 mph* <i>stall speed - power off, flaps full</i> |
| <b>VFE</b> | 81 mph* <i>maximum speed - flaps extended</i>      |
| <b>Vo</b>  | 99 mph* <i>maximum operating maneuvering speed</i> |
| <b>Vx</b>  | 59 mph* <i>best angle of climb speed</i>           |
| <b>Vy</b>  | 74 mph* <i>best rate of climb speed</i>            |

*\*2,300 lbs gross weight using FAA mandated worst-case conditions.*