

## Pegasus MkIII Specifications

|  |   |
|--|---|
| Powerplant 200 Hp fuel injected:         | Lycoming IO-360   |
| Recommended Time between overhaul (TBO): | 2000 hours  |
| Electrical System:                       | 12 volt   |
| Propeller:                               | 6 ft. ducted constant speed Hartzell HCE2YK   |
| Static thrust:                           | 1320 Lbs  |
| Fuselage:                                | 4130 Chrome-molybdenum steel pylon with Monocoke aluminum alloy and fiberglass body |
| Rotor:                                   | 3 blade, 16 ft — aluminum, semi-rigid   |
| Rotor rpm:                               | 275 autorotation, range: 230-360  |
| Rotor diameter:                          | 37 ft   |
| Collective                               | full range (in-excess of 7 degrees)   |
| Length:                                  | 16 ft   |
| Height:                                  | 9 ft 7 in   |
| Width:                                   | 4 ft 2 in   |
| Landing gear:                            | fixed tricycle with steerable nose wheel and toe Operated disc brakes               |
| Wheelbase:                               | 7 ft 11 in  |
| Track:                                   | 8 ft  |
| Seating:                                 | 3 (NASA foam seats)   |
| Empty weight:                            | 1200 lbs*   |
| Gross weight:                            | 2000 lbs  |
| Maximum ferry weight:                    | 2300 lbs  |
| Useful load:                             | 800 lbs   |
| Fuel capacity:                           | 38.6 gal US (.1 unusable)   |
| Auxiliary fuel:                          | 36.0 gal US   |
| Oil capacity:                            | 8 quarts US   |

### Performance\*\*

|                             |                           |
|-----------------------------|---------------------------|
| Takeoff roll:               | 0- no roll takeoff        |
| Rate of climb:              | 800 to 1500 ft per minute |
| Maximum speed:              | 125 mph*                  |
| Minimum speed:              | 25 mph                    |
| Descent rate:               | 700 — 800 ft per minute   |
| Cruise speed:               | 110 mph                   |
| Cruise range:               | 385 miles with reserves   |
| Cruise range with Aux tank: | 700 miles with reserves   |
| Service ceiling:            | 13,000 ft                 |
| Landing roll:               | 0 - no roll landing       |

\* Current configuration

\*\* These numbers may vary based on payload, atmospheric condition and pilot skills.