

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:	2 (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.