

**Single Seat Gyroplane** construction plan software provides detail information on how to fully construct this aircraft. It was the first in the kitty of the company products to be test flown; it is a little quite different from the Jet helicopter described in the next page, because it requires a runway of approximately 140ft for take-off, depending on the present wind. The blades of the Gyroplane are longer than that of the Jet helicopter, this is intentional to permit auto-rotation of the blades in case of in-flight engine failure which keeps the aircraft airborne and under full pilot control.

**SPECIFICATION:**

Length ----- 14.3ft  
 Height ----- 9ft  
 width ----- 7.7ft  
 Gross weight ----- 998 lbs  
 Empty weight ----- 530 lbs  
 Payload ----- 468 lbs  
 Rotor Construction ----- Aluminum  
 Disc Loading ----- 1.32 psf  
 Seat ----- 1  
 Airfoil Profile ----- NACA 0012  
 Horsepower - ----- 180  
 Engine ----- VW(converted)  
 Fuel Capacity ----- 5 gals  
 Rotor Diameter ----- 29 ft  
 Range ----- 120+ Miles  
 Take off distance ----- 140ft no wind  
 Landing Distance ----- 50 ft  
 Rate of climb ----- 900-1450 fpm  
 Cruise speed ----- 90 mph  
 Max speed ----- 110mph  
 Vne ----- 120mph  
 .Service ceiling ----- 17,800ft  
 Rotor Blade Chord ----- 7.5"  
 Propeller Rotation ----- 3600rpm  
 Rotor blade rotation ----- 385rpm