

NRI AutoCopter Flight Capability Details



NRI AutoCopter

<i>AutoCopter Specifications:</i>	
<i>Length:</i>	86.0 inches (2,184.4mm)
<i>Main rotor disk diameter:</i>	77.5 inches (1869mm) R-22 Head 77.75 inches (1975mm) Swing Head
<i>Flight Control:</i>	Operator Directed/Autonomous
<i>Failsafe:</i>	Parachute
<i>Dry Weight:</i>	45.0 lbs (20.41 kg)
<i>Payload:</i>	15.0 lbs (6.8 kg)
<i>Engine:</i>	Gasoline twin cylinder 80 cc
<i>Fuel Tank:</i>	1 gallon
<i>Range:</i>	Approximately 1.5 miles, 20 miles w/ long range data link
<i>Endurance:</i>	50 minutes
<i>Speed:</i>	20-50 mph
<i>Altitude:</i>	Regulated by the FAA to fly below 500 feet

<i>Weather Condition Regulations:</i>	
<i>Rain:</i>	Do not fly in rain
<i>Ice:</i>	Do not fly in icing conditions (Call your local airport to see if there are icing conditions)
<i>Snow:</i>	Do not fly in snow
<i>Winds:</i>	Do not fly in sustained winds over 20mph (32 kilometer/hr)
<i>Gusts:</i>	Do not fly in gusts over 20mph (32.2.kilometer/hr)
<i>Heat:</i>	Do not fly in temperatures over 100 degrees
<i>Long Range Flights:</i>	Be sure to check the weather in all areas you will be flying the AutoCopter not just the takeoff location.