

More Features of the X-Cell Spectra-G 3D



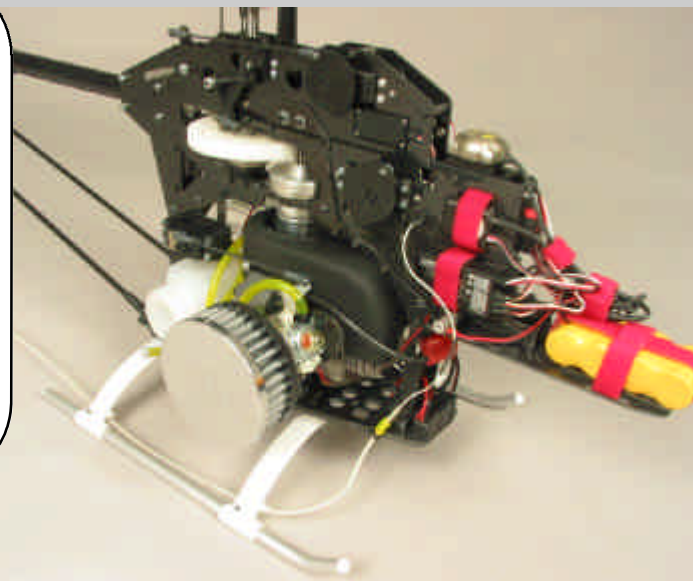
Technical Data for Kit #1025

Overall Length	1378 mm
Overall Height	479 mm
Main Rotor Diameter	Up to 1600 mm
Tail Rotor Diameter	Up to 309 mm
Blade Lengths Supported	710 mm
T/R Gear Ratio	4.66:1
Collective Pitch Range	25 Degrees
Ball Bearing Count	44 radial ball bearings 4 thrust bearings 1 sprag bearing
Total Weight	12 lbs ready to fly (using stock muffler & air cleaner)

(weight can vary depending on blades, receiver, gyro, battery and other electronics used)

Vari-Mount™ Chassis

- Lets you determine the engine mount direction and fuel tank location
- Throttle servo location easily changed
- Engine mount configuration easily changed in just a few minutes.
- Simple engine alignment allows for easy access to engine.
- Optional pull-starter can be permanently mounted or removeable.



Forward mount radio switch location allows easy access from model bottom

Proudly Made in the USA



miniature aircraft usa

31713 Long Acres Drive * Sorrento, FL 32776

Phone 352-383-3201 * Fax 352-383-3204

E-mail: minair@earthlink.net * Website: www.miniatureaircraftusa.com

miniature aircraft usa

Presents The

Xcell Spectra-G

3-D



**The Future of Gasoline Helicopters
Is Available Now!**

Copyright 2004 * Miniature Aircraft USA * Phone 352-383-3201 * Fax 352-383-3204

Standard Features of the X-Cell Spectra-G



Model shown with optional rotor blades, muffler and air cleaner

Miniature Aircraft produced the first gasoline powered aerobatic helicopter nearly 15 years ago. Now we're ready to produce the most aerobatic and versatile gasoline model available anywhere. If you believe that gasoline helicopters aren't suited for today's radical 3D flying styles, its time to change your mind.

Introducing, the new X-Cell Spectra-G 3D!!

- Based on the proven Tempest configuration the Spectra-G is fully 3-D capable
- New design *Vari-Mount™* chassis lets you choose from two engine mounting positions to control CG.
- Full Graphite Main Frame construction with factory installed PEM nuts and new CNC aluminum frame ladders for easy assembly and simple engine removal and alignment.
- Designed for the Zenoah G231/G26 engines
- New design heavy-duty clutch - saves weight - positive engagement
- Proven Self-Aligning main gear mesh. Gear ratios easily changed.
- New design - two piece fan shroud - easily installed
- Designed for use with pull-starter or with Pro-Flex start system
- Optional fuel tank and battery mounting positions
- Frame encased radio tray provides additional support for radio components
- Proven constant drive system provided as standard equipment
- Main shaft fully supported by four ball bearings
- Epoxy glass lightweight canopy with full color canopy striping kit - four point mount - retained by CNC knobs.
- Easy Construction/Low Parts Count! **Still the best value in the industry!**

Major Components of the Spectra-G 3D

3D Proven Rotor Head

- CNC Aluminum center block is both pinned and clamped to main shaft
- Light weight composite rotor blade grips
- Supports multiple mixer ratios to tune rotor head response to your flying style
- Heavy Duty 5mm blade bolts
- Includes radial and thrust bearings
- 4mm steel flybar with lightweight 3D paddles
- Precision all metal swashplate
- One piece ball-bearing anti-rotation guide
- Proven design with thousands of hours of hard 3D flying logged
- 10mm main shaft



New Open Design Tail Rotor Transmission

- All aluminum open design gearbox
- New composite gears are strong and very smooth running - no lubrication required
- Easily converted for left hand or right hand tail rotor operation
- New larger tail rotor gearbox bearings for extreme 3D duty
- New two piece tail boom mount fastens transmission securely to tail boom and includes mount for tail fin
- Proven heavy duty tail rotor hub and control system
- Strong and economical aluminum tail boom
- Hardened t/r output shaft
- Ball bearing control arm for precision control
- Tail rotor grips include thrust bearings as standard equipment
- Kit includes plastic t/r blades