



www.RotecRadialEngines.com

R3500 Design Specifications:

- **Designers** **Matthew And Paul Chernikeeff**
- **Configuration** **Nine Cylinder Radial Four Stroke**
- **Capacity** **3600cc (220ci)**
- **Total Diameter** **850mm (33.5")**
- **Dry Weight** **264lbs**
- **Propeller / RPM** **Large diameter 76" - 100" @ 2,450 RPM**
- **Ignition / Type** **Dual, electronic distributors**
- **Carburettor** **Bing / Auto mixture control**
- **Lubrication** **Geared Oil Pressure And Scavenge Pump**
- **Bore / Stroke** **(3.15") 80mm X 80mm**
- **Heads** **Two Overhead Valves, Push Rod Operated**
- **Spark Plugs** **Two Per Head (NGK DCPR8E)**
- **Starter** **Electric Auto Type 12 Volt**
- **Charging System** **Alternator 35 Amp**
- **Fuel Consumption/hour** **Avgas 100LL 28 ltrs @ 75% Power**
- **Rated Power** **150 HP @ 2450 Prop RPM (Via 3:2 PSRU)**

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