

# SPECIFICATIONS

<b>Model Numbers</b> 80652 Speedifour, Standard length 80653 Speedifour, 5" longer 80682 Starflite, Standard length, blue 80683 Starflite, 5" longer, blue 80692 Starflite, Standard length, gray 80693 Starflite, 5" longer, gray  <b>*Horsepower (O.B.C.-certified)</b> 80 hp at 4500 rpm  <b>Full throttle operating range</b> 4000 to 5000 rpm  <b>Engine type</b> 90° V-type, 4 cylinder, 2 cycle  <b>Bore and stroke</b> 3-3/8" bore x 2-1/2" stroke  <b>Piston displacement</b> 89.5 cubic inches  <b>Piston ring sets (3 per set)</b> standard Part Number 380110 .020" oversize Part Number 380111 .040" oversize Part Number 380112  <b>Diameter of ring</b> 3.375 in. (standard)  <b>Width of ring</b> .0935 - .0925 in.  <b>Lbs. compression recommended when compressed</b> 9.7 to 13.7 lbs.  <b>Piston less rings</b> standard Part Number 380569 .020" oversize Part Number 378814 .040" oversize Part Number 378815  <b>Crankshaft size</b> top journal 1.2658 - 1.2653 in. center journal 1.3752 - 1.3748 in. bottom journal 1.1815 - 1.1810 in.  <b>Connecting rod crank pin</b> 1.1828 - 1.1823  <b>Cooling system</b> Thermostatically controlled recirculating system  <b>Propeller gear ratio</b> 20:23 Standard  <b>Propeller drive pin - standard</b> Part #307217, 9/32" x 2-5/32", stainless steel  <b>Propeller Standard</b> 10-1/4" diameter x 10" pitch	<b>Propeller options</b> 9-1/2" diameter x 10" pitch 10" diameter x 9-1/4" pitch 10" diameter x 11" pitch 10" diameter x 12" pitch  <b>Speed control</b> Manual or remote control, synchronized throttle and spark  <b>Gear shift control</b> Forward, neutral, and reverse - Speedifour - Manual or remote control Starflite - Selectric push-button remote control  <b>Weight (without fuel tank)</b> Model 80652 - 226-1/2 pounds Model 80653 - 232 pounds Models 80682 - 240-1/2 pounds 80692 - 240-1/2 pounds Models 80683 - 246 pounds 80693 - 246 pounds (Fuel tank weight - 12 pounds net)  <b>Fuel capacity</b> 6 gallons, suction type tank  <b>Electrical system (Starflite)</b> Alternating current generator - Maximum output 20 amp at 2500 rpm - 5 amp output at idle  <b>Starter</b> Electric  <b>Starter amp draw when cranking</b> Maximum 140 amp  <b>Ignition</b> Speedifour - Distributor type magneto Starflite - Automotive type battery and distributor system  <b>Spark plug</b> AC-M42K, Champion J4J, Auto-Lite A21X - 14mm  <b>Spark plug gap</b> .030 inch  <b>Spark plug torque</b> 20 - 20-1/2 foot-pounds  <b>Breaker point gap</b> .020 inch  <b>Condenser capacity</b> .37 - .41 Mfd.  <b>Carburetion</b> Twin barrel, down draft, float feed, low-speed adjustment, automatic spring-loaded choke  <b>Float level setting</b> Remove carburetor cover and turn upside down, so that weight of float closes float needle. With float arms straight, float should be parallel with face of casting (approximately 1/4" from casting).  <b>Carburetor orifice plug</b> Hole size .072"  <b>Inlet needle seat</b> .081" to .084". Use a #45 drill as gage
<b>*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.</b>	