

Aeromax 100 Engine Specifications	
Power Output: 100 hp continuous at 3200 rpm	Air cooled
Displacement: 2.7 L	Six cylinders
Compression: 9:1	Dual ignition—single plug
Weight: 210 lb	Normally aspirated
Direct Drive	CHT max: 475 F
Rear Light weight. Starter and 45 amp alternator	New forged pistons
Counterclockwise rotation	Balanced and nitrated crank shaft
Harmonic balancer	New hydraulic lifters
Remanufactured case	New main/rod bearings
Remanufactured heads with new guides, valves, valve train, intake	New all replaceable parts
Remanufactured cylinders	New spark plug wiring harness
New light weight aluminum cylinder - optional	Remanufactured dual ignition distributor with new points set and electronic module
New high torque cam	New oil pump
New CNC prop hub and safety shaft	New oil pan
New Aeromax top cover and data plate	Engine service manual

Figure 11-20. *Aeromax 100 engine specifications.*

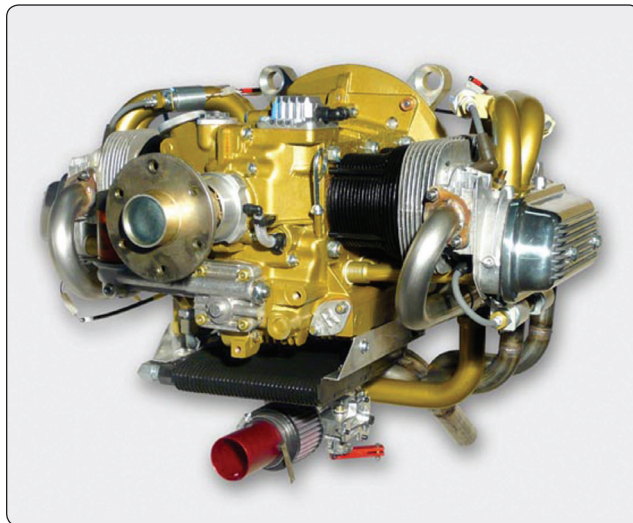


Figure 11-21. *Revmaster R-2300 engine.*

stroke crankshafts. The cylinder set also contains piston rings, wrist pins, and locks. The direct-drive R-2300 uses a dual CDI ignition with eight coil spark to eight spark plugs, dual 20-amp alternators, oil cooler, and its proprietary Rev-Flo carburetor, while introducing the longer cylinders that do not require spacers. The automotive-based bearings, valves, valve springs, and piston rings (among others) make rebuilds easy and inexpensive.



Figure 11-22. *Hemispherical combustion chamber within the Revmaster R-2300 Heads.*

Great Plains Aircraft Volkswagen (VW) Conversions

Great Plains Aircraft is one company that offers several configurations of the Volkswagen (VW) aircraft engine conversion. One very popular model is the front drive long block kits that offer a four-cycle, four-cylinder opposed engine with horsepower ranges from approximately 60-100. [Figure 11-23] The long block engine kits, which are the complete engine kits that are assembled, in the field or can