

REDGOLD Specifications

REDGOLD engines incorporate improved engine performance through legal computerized set matching of the following individual components:

Crankcase cylinder deck height variations between banks

Crankcase cylinder deck height variations between cylinders

Crankshaft stroke variations between journals

Connecting rod rotating weight

Connecting rod reciprocating weight

Connecting rod length

Piston weight

Piston dome volume

Piston wrist pin height

Wrist pin weight

Cylinder head volume

Cylinder intake and exhaust port airflow

Cylinder - installed height of intake and exhaust valves.



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REDGOLD TMX SERIES ENGINES

Product Information



**Exceptional Quality at
an Affordable Price**

Phone: 800.624.6680

The REDGOLD Difference



TMX REDGOLD IO-360, 180HP Engine with Optional Appearance Package

With Over 60 Years as the acknowledged industry leader in engine overhauls, Mattituck introduces the TMX REDGOLD.

The REDGOLD brings together new tooling and computer-aided development technology; the expertise of staff technicians with over 600 years of combined experience; and the integrity and attention to detail that positioned Mattituck as one of the leading engine overhaulers; to create a new part engine that is virtually better than any engine available in today's marketplace.

New technology coupled with Mattituck's philosophy of "one man, one engine" assembly ensures technical quality and reliability along with painstaking scrutiny and personal attention that is Mattituck Service's hallmark.

The Mattituck name on an engine has always added value and prestige to an aircraft. With a TMX REDGOLD engine, you will be powering your project with the best engine available anywhere.

Static and Dynamic Balancing

The importance of having a perfectly balanced engine cannot be overstated. An out-of-balance engine can cause cracking of the engine mount, crankcase, engine baffles and critical airframe components. In addition it can contribute to premature wear of critical engine parts. In the REDGOLD engine all reciprocating parts are weighed individually and the set matched to ensure mass balance. After mating these parts with a dynamically balanced crankshaft, we have virtually eliminated any rotational imbalance. All REDGOLD TMX engines are balanced to precise tolerances producing as close to the perfectly balanced engine as is humanly possible.



TMX REDGOLD IO-360, 200 HP Engine with REDGOLD Standard Appearance Package

Combustion Equalization Process

Mattituck has the advantage of a huge parts inventory - over 1,000 cylinders in stock. Using advanced state-of-the-art tooling, critical engine components are precisely measured for weight, dimension, volume and airflow. These component parts are then paired to the dimensional variations of the individual crankcase in order to achieve the best matched component set possible. The end result is maximum equalized power pulses from each cylinder. Combining a precision balanced rotating assembly with equalized cylinder power extends engine life and creates a new standard in performance.



Extended Warranty

Every TMX Series REDGOLD engine, comes with an extended, no quibble warranty. Three years parts and labor on the engine and the standard accessories supplied with it. Warranty commences when the engine is placed in service.