

Product Report

SPECIFICATIONS

Type: Twin cylinder, horizontally opposed, 4-stroke cycle, air-cooled, glow ignition.

Bore: 24.8 mm (.976")

Stroke: 22 mm (.866")

Displacement: 21.24cc (1.296 cu. in.)

Compression ratio: 12.8:1

Operating ranges: 2,300-10,500 rpm

Weight: 38.2 ounces

Manufacturer: Saito Seisakusho, Ltd., Chiba Prefecture, Japan

U.S. Importer: United Model Distributors, Wheeling, Illinois

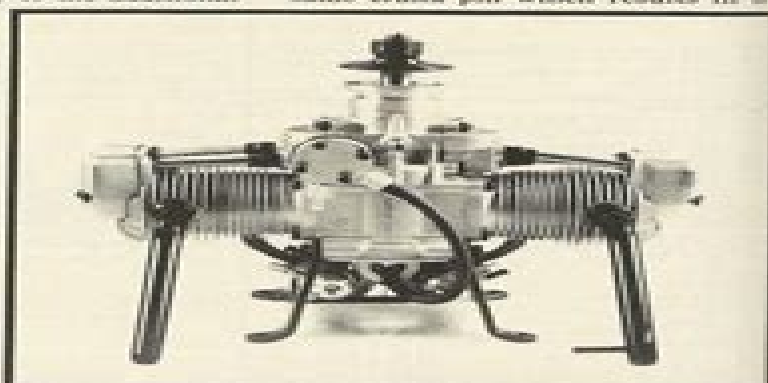
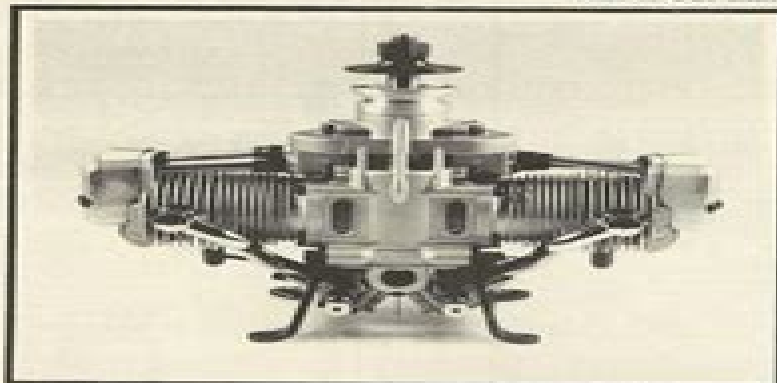
SAITO FA-130T

By Clarence Lee

for this month.

It is a proven fact that with our smaller displacement model engines, a single cylinder engine will develop more power than an equivalent displacement twin; more so with a 2-stroke engine than with a 4-stroke. This is due mainly to the additional

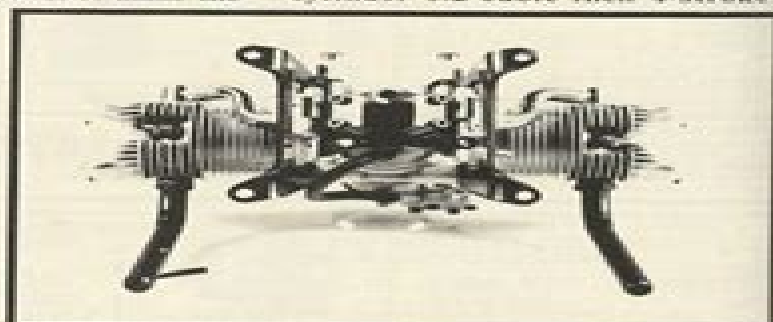
power spread between a single cylinder and twin cylinder engine considerably closer. However, things are a bit different with the Saito FA-130 twin in that a single throw crankshaft is used with both cylinder and rod assemblies connected to the same crank pin which results in a



If you take two .65 cubic inch displacement single cylinder 4-stroke engines noted for their high level of performance and join them together with a common crankcase and crankshaft, what do you have? You're right — a real strong running 1.3 cubic inch displacement 4-stroke twin. This is basically what Saito has done with their FA-130 twin, the subject of our engine review

parts required and an increase in the frictional drag, although other factors also enter the picture. A single cylinder 4-stroke engine has one power stroke every other revolution of the crankshaft so that there is a bit of "slow down" time between power strokes. An alternate fire 4-stroke twin, on the other hand, has a power stroke every revolution of the crankshaft which tends to make the

rather unorthodox firing sequence. When viewed from the rear, the left hand cylinder fires, the crankshaft rotates 180° and the right hand cylinder fires, then the crankshaft rotates a turn and a half (540°) and the sequence starts again. Even with this unusual firing sequence, the engine is a real powerhouse running right with the more powerful of the single cylinder 1.2 cubic inch 4-stroke



Saito Fa 130t D Manual

Mike Jess

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the author's name.

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