



GREAT PLANES
PERFORMANCE SERIES™

"Flown for sport or in demanding IMAC competitions, our Performance Series ARFs excel at precise and powerful 3D aerobatics — with impressive scale looks that add to the excitement!"

Don Anderson

Don Anderson
 President and Founder
 Great Planes Model Manufacturing

EXPERTLY COVERED WITH
TOP FINE
MONOKOTE

Precision-fitting parts made of select woods, surrounded by shimmering MonoKote® film and topped off with a painted fiberglass cowl and wheel pants.

FULLY
3D AND IMAC
 CAPABLE

The Performance Series ARFs are engineered to perform IMAC competition maneuvers with judge-pleasing precision and grace. Stable slow speed flight characteristics also suit them well for fliers moving up from smaller models like the .46-size U-Can-Do 3D.

IMAA
LEGAL

With their impressive size and scale accuracy, Performance Series ARFs meet the standards set by the International Model Aircraft Association for competing in IMAA-sanctioned events.

SUPERIOR ARF QUALITY — FEATURING PROVEN GREAT PLANES BRAND HARDWARE!

There's more to Performance Series ARFs than great designs carried out using the finest quality materials. Giant-scale R/C planes need exceptional hardware to help them achieve their full flying potential. No manufacturer pays as much attention to the nuts and bolts of modeling as Great Planes. Many ARFs come with such unreliable hardware that you wouldn't dream of using it. Some don't include hardware at all. Great Planes provides a complete package of well-made hardware that keeps your plane performing like a champion!

- Engineered for easy installation and operation.
- Stands up to the stresses of large-scale models, without adding excessive weight.

HIGH-QUALITY
PRECISION
HARDWARE
INCLUDED



REPLACEMENT PARTS SUPPORT!

For years after any Great Planes model is introduced, replacement parts remain available so you can keep your model in peak flying form.

GREAT PLANES
 MODEL MANUFACTURING COMPANY

PERFORMANCE SERIES™



EXPERIENCE PURE PERFORMANCE!

Power, precision, polish...easy-to-assemble Performance Series ARFs have it all! Ideal for glow or gasoline engines, they excel at traditional sport flying and demanding IMAC/IMAA competition aerobatics. Smart engineering provides the lightweight strength needed for high-stress 3D maneuvers. Great Planes also includes a generous package of high-quality hardware to keep them flying like champions.

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RECOMMENDED ACCESSORIES FOR PERFORMANCE SERIES ARFS.

D.S. ENGINES

1.60 FX

Giant-scale power — glow engine ease.



Displacement: 1.60 cu in (26 cc)
 Bore: 1.32 in (33.6 mm)
 Stroke: 1.17 in (29.6 mm)
 RPM Range: 1,800-10,000
 Output: 3.7 hp @ 9,000 rpm
 Weight: 32.6 oz (925 g)
 Includes: #8 glow plug; wrenches; prop and lock nuts; muffler (OSMG0660 only)
 Requires: glow fuel; muffler (OSMG0661)

Moving up to giant-scale modeling doesn't require a switch to gasoline engines. All it takes is the 1.60 FX. It's a 2-stroke, so you're on familiar ground. At the same time, its power-to-weight ratio is almost 3 times that of more costly 41cc gas or multi-cylinder engines. A low-profile crankcase simplifies in-cowl installations. More mounting options for the high-speed needle — 9 in all — make adjustments a snap. Other pluses include an O-ring seal and ratchet spring to hold settings against "creep", dual bearings, and extra thread on an extra-long crankshaft for solid engagement. Available alone (OSMG0661) or with muffler (OSMG0660).

FUJI
IMVAC
 R/C GAS ENGINES

BT-43EI Gasoline Engine w/Electronic Ignition System



FJG0143

Displacement: 2.6 cu in (42.5cc)
 RPM range: 1200-11,000
 Output: 4.2 hp @ 11,000 rpm
 Approx. Weight w/muffler: 3.5 lb (1.6kg)
 Includes: EIS (Electronic Ignition System), muffler, prop hub, spinner bolt, Champion RCJ6Y spark plug, Walbro HDA222 carb, super lubricating oil
 Fuel/Oil Mix: 100-150:1 of regular or high octane gasoline to 2-cycle oil

Fuji-Imvac's popular Electronic Ignition System starts the BT-43EI reliably without adding the weight of a typical magneto system. The Walbro carb's Velocity Stack uses increased air flow to push fuel into the chamber. An innovative back plate lets you bolt the engine directly to the firewall — no mounting plate required! — to simplify mounting, lower overall weight and, along with the engine's three bearings, minimize vibration. The spinner bolt is predrilled and tapped for attaching a prop adapter, and the Friction Disk Pad helps keep the prop from slipping on the prop hub.

Super 9C 9-Channel Computer Radios

Do you have a hangar full of R/C aircraft? Fly them all with one 9C Super system — up to 18 models! A feature on the up/down timer lets you keep track of total flying time for any particular model. A wide range of assignable switches puts the functions you use most where they're easiest to access. All three modes offer more of what you need: You'll appreciate the switch-selectable air brake for airplanes, a throttle and pitch curve delay for helis — and with upgrades such as three offsets with customizable camber, the 9C Super's glider mode is hands-down the most comprehensive there is. With the Edit Key/Dial, programming is a breeze. Your R/C flying will not only be easier, but more intuitive as well. Futaba's 9C Super is the complete system for the serious flyer!

FUTK75**
 System: 9CAF • Modulation: FM • Bands: 50,72 • Tx Module: TP-FM • Servos: Required • Rx: R148DF • Rx NiCd: NR4J 600mAh • Tx NiCd: NT8S700B 700mAh



Futaba.

S3004 Ball Bearing Servo

Futaba.

Get more power and performance with Futaba's lightweight, ball bearing-equipped S3004 standard servo. It features compact, vibration-resistant SMT assembly and a Futaba "J" connector.



FUTM004
 Dimensions: 1.6 x 0.8 x 1.4 in (41 x 20 x 36 mm)
 Weight: 1.3 oz (37.2 g)
 Torque @ 4.8V: 44 oz-in (3.2 kg-cm)
 Torque @ 6.0V: 57 oz-in (4.1 kg-cm)
 Speed @ 4.8V: 0.23 sec/60°
 Speed @ 6.0V: 0.19 sec/60°

S3305 Ball Bearing Servo

Its 3-pole motor, dual bearings and metal gears make the S3305 servo a strong choice for land, sea or air use. A Futaba "J" connector is included.

FUTM0045
 Dimensions: 1.6 x 0.8 x 1.4 in (41 x 20 x 36 mm)
 Weight: 1.64 oz (46.5 g)
 Torque @ 4.8V: 99 oz-in (7.1 kg-cm)
 Torque @ 6.0V: 124 oz-in (8.9 kg-cm)
 Speed @ 4.8V: 0.25 sec/60°
 Speed @ 6.0V: 0.20 sec/60°



Futaba.

27%
Ultimate! BIPLANE
3D ARF
1.60 GLOW / 43 cc GAS **PERFORMANCE SERIES™**



Pilot figure not included.

GPMA1307
Wingspan: 65 in (1650 mm)
Wing Area: 1446 sq in (93 dm²)
Weight: 12.5 lb (5670 g)
Wing Loading: 20 oz/sq ft (61 g/dm²)
Length: 72 in (1830 mm)
Engine Required: 1.60 cu in (26 cc) glow or gasoline
Radio Required: 4-7 channel with 8-9 servos

Even before it reaches the sky, the Ultimate Bipe is irresistible. Its polished looks come from precision-fitting parts made of select woods, surrounded by MonoKote film and topped off with a painted fiberglass cowl and wheel pants. Expertly engineered, lightweight construction provides an excellent power-to-weight ratio for outstanding 3D performance. Assembly can be completed in just 20 hours — and wait 'til you see what it can do off the ground!



Wing attachment requires no special tools and prevents losing screws. Two thumbscrews are permanently installed in the top and bottom of each strut. To secure the wing panels in place, you simply insert the strut and turn its built-in thumbscrew.



Special fittings that mount in the stabilizers make it easy to achieve proper flying wire tension. After threading the wire through the fitting, you just tighten a set screw to lock it in place — avoiding the difficulty of cutting wire to a "just right" length.



The two halves of the CAP 232's wing are epoxied together onto a hardwood joiner. Assembled into one piece, the wing then bolts directly to the fuselage. This helps minimize weight by avoiding the need for an aluminum joiner tube.



The composite landing gear offers smooth contours that perfectly complement the CAP 232's scale looks — and provides the strength and reliability needed for confident touchdowns.

27%
CAP 232 3D ARF
1.60 GLOW / 43 cc GAS **PERFORMANCE SERIES™**



Pilot figure not included.

GPMA1410
Wingspan: 79 in (2005 mm) * Wing Area: 1168 sq in (75.3 dm²)
Weight RTF: 12.5-14 lb (5670-6350 g) * Wing Loading: 25-27 oz/sq ft (75-84 g/dm²)
Length: 77 in (1955 mm) * Engine Required: 2-stroke 1.5-1.8 cu in (25-30 cc) or 4-stroke 1.8-2.1 cu in (30-36 cc) glow or 1.9-2.6 cu in (32-43 cc) gasoline *
Radio Required: 4-channel minimum (6+ channel computer radio required for 3-D) w/7 servos

Like the full-size World Aerobatic Competition winner, this CAP 232 ARF model leaves contest judges looking for new words to praise its graceful aerobatics. Your friends at the local flying field? They'll be in absolute awe!

EXPERTLY ENGINEERED



The CAP 232 and YAK 54 ARFs are engineered to perform IMAC competition maneuvers with judge-pleasing precision and grace. Stable slow speed flight characteristics also suit them well for fliers moving up from smaller models like the .46-size U-Can-Do 3D.

25%
YAK 54 3D ARF
1.60 GLOW / 43 cc GAS **PERFORMANCE SERIES™**



Pilot figure not included.

GPMA1411
Wingspan: 81 in (2055 mm) * Wing Area: 1138 sq in (73.4 dm²) * Weight RTF: 12.5 – 15.25 lb (5.67 – 6.86 kg)
Wing Loading: 25 – 30 oz/sq ft (77 – 93 g/dm²) * Length: 68 in (1727 mm) * Engine Required: 2-stroke 1.6 – 1.8 cu in (25 – 30 cc) or 4-stroke 1.8 – 2.1 cu in (30 – 36 cc) glow or 1.9 – 2.6 cu in (32 – 43 cc) gasoline
Radio Required: 6-channel with 7 servos (6 high-torque metal gear servos and one standard servo)

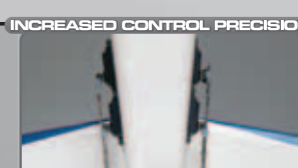
Imagine the exciting results when Great Planes applies its expertise to creating a giant replica of this Unlimited Class competitor! Better yet, put yourself at the controls of the 25% YAK 54 and experience the thrills of performing precision maneuvers with ease and style.



The CAP 232 and YAK 54 offer an ideal balance of low weight and high structural integrity, both essential for performing high-stress 3-D maneuvers. The turtle deck is a good example — it's constructed of a precisely sculpted foam shell that's reinforced with balsa sheeting.



Assembling the factory-built components takes as little as 20-25 hours — no time at all for projects of this size. For years after any Great Planes model is introduced, replacement parts remain available so you can keep it in peak flying form.

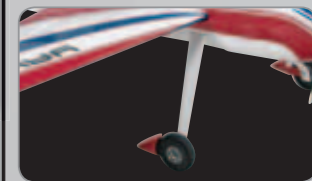


INCREASED CONTROL PRECISION!

The tail gangs two rudder servos in a pull/pull set-up that increases control precision. It's one of numerous design elements that combine to give these models the ability to execute any current 3-D maneuver perfectly.



The wing panels of the YAK 54 slide onto an aluminum joiner tube for easy transportation and easy reattachment at the flying field.



The YAK 54's wide stance landing gear is made of formed aluminum. The tailwheel is steerable and easy to install.



www.greatplanes.com

For more information on the Performance Series ARFs or the location of the dealer nearest you, please visit www.greatplanes.com or call 1-800-682-8948 and mention code number 99H33.

