

# 46AX II ABL

## Power in plenty for sport or aerobatics!



### OSMG0548

**Displacement:** 0.455 cu in (7.45 cc)

**Bore:** 0.886 in (22 mm)

**Stroke:** 0.772 in (19.6 mm)

**Rpm Range:** 2000-17000

**Output:** 1.63 hp @ 16000 rpm

**Weight w/Muffler:** 17.1 oz (486 g)

**Engine:** 13.3 oz (378 g)

**Muffler:** 3.8 oz (108 g)

**Includes:** 40K carburetor, needle valve extension cable, lock nut, #6 glow plug and E-3071 muffler

**Requires:** 5-20% glow fuel

**Suggested Propellers:** 10.5x6, 11x6, 11x7, 11x8, 12x6 & 12x7

**Break-in Propeller:** 10 x 6

Ease, dependability and performance are what make engines popular — and they're also three good reasons why the 46AXII has become an instant flyer favorite. Lightweight and low maintenance, the 46AXII is as good a choice for easy sport flying as hard-charging aerobatics. An extension cable and an angled high-speed needle make fine-tuned performance and maximum personal safety easy to enjoy.

The ABL (Advanced Bi-Metallic Liner) includes one layer for better bonding, and another to reduce wear and extend life.

- Power Box muffler features a squared-off shape for easier fits and a rotatable exhaust outlet for no-cost finish protection.
- 40K carburetor has high- and low-speed needles, plus a mixture adjustment screw.
- Tighter tolerances between the piston and ABL create a tighter seal and more power.
- Dual ball bearings for less friction and wear.
- Head automatically centers and levels itself — and snugs down with just 4 screws.
- Subtly tapered low-end needle eliminates surging at transition, ensuring smooth, controllable power across the rpm range.
- Updated liner ports and a ball-milled inlet port minimize turbulence and promote better fuel/air mixing.
- Minimizes "creep" and resets with seals on both needles and a ratchet spring on the high-speed needle. A rotor guide screw eliminates spring-related movement, too.

### Recommended Products:

TOPQ5085

Top Flite 10x6 Power Point Propeller

### Recommended Options:

DTXP0310

Duratrax Ultimate Glo-Starter "C" Cell

GPMQ4150

Great Planes Ultra Precision Fuel Filter

HCAP2550

Hobbico 4-Way Wrench w/Plug Storage

HCAP3335

Hobbico Safety Stick Engine Starter

OSMG2774

O.S. Engine Mount 50SX, 46/55AX

OSMG2925

O.S. Spinner Nut 1/4-28 32SXa

OSMG7974

O.S. Long Prop Nut 5/16-24

OSMG2578

O.S. Muffler Extension Adapter #863



**O.S. ENGINE**  
UNEQUALLED QUALITY PRECISION & PERFORMANCE  
osengines.com