

SPECIFICATIONS

Models 4806 Weedless gearcase, standard length
4836 standard gearcase, standard length
4837 standard gearcase, long shaft

POWERHEAD

*Horsepower (B.I.A. - certified) 4 hp at 4500 rpm

Full throttle operating range 4000 to 5000 rpm

Test tank rpm with test wheel 3800 rpm
Part No. 316021 for Weedless

4550 rpm
Part No. 317738 for Standard

Idle rpm 700 rpm

Engine type 2-cylinder, 2 cycle alternate firing

Bore and stroke 1-9/16" (39.69 mm) bore x 1-3/8" (34.93 mm) stroke

Piston displacement 5.28 cubic inches (87 cm³)

Piston ring sets (2 per set)
standard Part Number 383920
0.030" Part Number 384312
oversize

Width of ring 0.0625-0.0615 in. (1.588 - 1.562 mm)

Piston assembly
standard Part Number 388726
0.030" oversize Part Number 388728
0.020" oversize Part Number 388727

Crankshaft size
top journal 0.751 - 0.7505 in. (19.075 - 19.063 mm)
center journal 0.6690 - 0.6685 in. (16.993 - 16.980 mm)
bottom journal 0.7502 - 0.7498 in. (19.055 - 19.045 mm)

Connecting rod crank pin 0.6690 - 0.6685 (16.993 - 16.980)

FUEL SYSTEM

Carburetion Single barrel float feed, with fixed high and adjustable low-speed jet, manual choke

Float level setting Flush with casting

Inlet needle seat 0.053 - 0.050 (1.35 - 1.27 mm)
Use a #55 drill as gage.

Fuel tank capacity 3 gallons (11.4 litres)

LOWER UNIT

Cooling system Combination positive displacement and centrifugal pump.

Propeller gear ratio 17:28 Weedless
12:25 Standard

Propeller drive pin Part Number 316558

Propeller Standard - 7-1/2" dia x 6" pitch, 3 blade plastic

Propeller Weedless - 6-1/4" dia x 6" pitch, 2 blades plastic

MISCELLANEOUS

Speed control Single lever, synchronized throttle and spark

Weight Weedless - 38.0 lbs. (17.2 kg)
Standard - 38.0 lbs. (17.2 kg)

Starter Automatic rewind - nylon rope

IGNITION SYSTEM

Ignition Flywheel magneto, breakerless C.D.

Spark plug AC-M40FFX Champion L77J4, - 14 mm

Spark plug gap .040 inch (1.0 mm)

Spark plug torque 17-1/2 - 20-1/2 foot-pounds (24 - 27 N·m)

Ignition Coil #1 Cylinder - Part No. 581862
#2 Cylinder - Part No. 581819

IGNITION COIL TEST SPECIFICATIONS

Stevens Model ST-75		
Reverse Polarity (Switch Setting CD)	1.6	
Stevens Tester Model M.A.-75 or M.A.-80		
<u>Switch</u> **A	<u>Index Adjustment</u> 20	
Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
Operating Amperage	Primary Resistance	**Secondary Continuity
1.7	0.1 Ohm OR LESS	5 - APPROX.

**Use Model CD-1 Adapter Red test clip to orange/black
Black test clip to orange