

SPECIFICATIONS

Model	4506, (Weedless gearcase) 4536, (Standard gearcase)	Propeller gear ratio	17:28 Weedless 12:25 Standard
*Horsepower (B.I.A. - certified)	4 hp at 4500 rpm	Propeller drive pin	Part Number 316558 1/8" x 1.234" stainless steel
Full throttle op.-range	4000 to 5000 rpm	Propeller	Standard - 7-1/2" dia x 6" pitch, 3 blade LEXAN
Test tank rpm with test wheel	4100 rpm Part Number 316021 for 4506 4550 rpm Part Number 317738 for 4536	Speed control	Weedless - 6-1/4" dia x 6" pitch, 2 blades LEXAN
Engine type	2-cylinder, 2 cycle alternate firing	Weight	Weedless - 34.0 lbs. Standard - 32.3 lbs.
Bore and stroke	1-9/16" bore x 1-3/8" stroke	Hi Lift vacuum fuel system	3 gal. tank and plug in hose
Piston displacement	5.28 cubic inches	Fuel capacity	3 gallons
Piston ring sets (2 per set)		Starter	Eas-A-Matic, self-rewinding
standard	Part Number 383920	Ignition	Flywheel magneto
.030" oversize	Part Number 384312	Spark plug	AC-M44C, Champion J6J, - 14mm
Diameter of ring	1.563 in. (standard)	Spark plug gap	.030 inch
Width of ring	.0625 - .0615 in.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds
Lbs. compression recommended when compressed	1.3 to 2.8 lbs.	Breaker point gap	.020 inch
Piston and ring assembly		Condenser	Part Number 580321
standard	Part Number 384651	Capacity	.18 to .22 Mfd.
.030" oversize	Part Number 384666	Coil	Part No. 580971
Crankshaft size			
top journal	.7520 - .7515 in.		
center journal	.6854 - .6849 in.		
bottom journal	.6854 - .6849 in.		
Connecting rod crank pin	.6255 - .6250 in.		
Carburetion	Single barrel float feed, with high and low-speed adjustments manual choke		
Float level setting	Flush with casting		
Inlet needle seat	.053 - .050 Use a #55 drill as gage.		
Cooling system	Centri-matic (combination positive displacement and centrifugal pump).		

COIL TEST SPECIFICATIONS

Old Stevens Tester				
Switch	Index Reading			
A	2.0 - 2.5			
New Stevens Tester Model No. M.A.-75				
Switch	Index Adjustment			
B	22			
Merc-O-Tronic				
Operating Amperage	Primary Resistance	Secondary Continuity		
1.6	Min. Max.	Min. Max.		
	.5 - .7	35 - 45		
Graham Tester Model 51				
Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Max. Gap Index
5500	1.2	75	33	75

*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.