

# SPECIFICATIONS

Model	4306, (Lightwin, weedless, gearcase) 4336, (Yachtwin, standard gearcase)	Propeller gear ratio	17:28 Lightwin 12:25 Yachtwin
*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	Yachtwin - Standard - 7-1/2" dia x 6" pitch, 3 blade LEXAN
Test tank rpm with test wheel	4500 rpm Part Number 316021 for 4306  4550 rpm Part Number 317738 for 4336		Lightwin - 6-1/4" diameter x 5-1/2" pitch, 3 blades
Engine type	2-cylinder, 2 cycle alternate firing	Speed control	Single lever, synchronized throttle and spark
Bore and stroke	1-9/16" bore x 1-3/8" stroke	Weight	4306 Model - 34.0 lbs. 4336 Model - 32.3 lbs.
Piston displacement	5.28 cubic inches	Hi Lift vacuum fuel system	3 gal. tank and plug in hose
Piston ring sets (2 per set) standard .030" oversize	Part Number 383920 Part Number 384312	Fuel capacity	3 gallons
Diameter of ring	1.563 in. (standard)	Starter	Eas-A-Matic, self-rewinding
Width of ring	.0625 - .0615 in.	Ignition	Flywheel magneto
Lbs. compression recommended when compressed	1.3 to 2.8 lbs.	Spark plug	AC-M44C, Champion J6J, - 14mm
Piston and ring assembly standard .030" oversize	Part Number 384651 Part Number 384666	Spark plug gap	.030 inch
Crankshaft size top journal center journal bottom journal	.7520 - .7515 in. .6854 - .6849 in. .6854 - .6849 in.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds
Connecting rod crank pin	.6255 - .6250 in.	Breaker point gap	.020 inch
Carburetion	Single barrel float feed, with high and low-speed adjustments manual choke	Condenser Capacity	Part Number 580321 .18 to .22 Mfd.
Float level setting	Flush with casting	<b>COIL SPECIFICATIONS</b>	
Inlet needle seat	.053 - .050 Use a #55 drill as gage.	Part No. 580416 Coil Test Specifications:	
Cooling system	Centri-matic (combination positive displacement and centrifugal pump).	Old Stevens Tester	
		Switch	Index Reading
		A	2.0 - 2.5
		New Stevens Tester Model No. M.A.-75	
		Switch	Index Adjustment
		A	22
		Merc-O-Tronic	
		Operating Amperage	Primary Resistance Min. Max.
		1.7	.45 - .55
		Secondary Continuity Min. Max.	35 - 45
		Graham Tester Model 51	
		Maximum Secondary	Maximum Primary
		5500	1.2
		Coil Index	Minimum Coil Test
		75	33
		Maximum Gap Index	75

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