

# SPECIFICATIONS

Model	4406, (Lightwin, weedless, gearcase) 4436, (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	4100 rpm Part Number 316021 for 4406  4550 rpm Part Number 317738 for 4436		Lightwin - 6-1/4" diameter x 6" pitch, 2 blades LEXAN															
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	4406 Model - 34.0 lbs. 4436 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	Part Number 383920	Fuel capacity	3 gallons															
.030" oversize	Part Number 384312	Starter	Eas-A-Matic, self-rewinding															
Diameter of ring	1.563 in. (standard)	Ignition	Flywheel magneto															
Width of ring	.0625 - .0615 in.	Spark plug	AC-M44C, Champion J6J, - 14mm															
Lbs. compression recommended when compressed	1.3 to 2.8 lbs.	Spark plug gap	.030 inch															
Piston and ring assembly standard	Part Number 384651	Spark plug torque	17-1/2 - 20-1/2 foot-pounds															
.030" oversize	Part Number 384666	Breaker point gap	.020 inch															
Crankshaft size top journal	.7520 - .7515 in.	Condenser	Part Number 580321															
center journal	.6854 - .6849 in.	Capacity	.18 to .22 Mfd.															
bottom journal	.6854 - .6849 in.	Coil	Part No. 580971															
Connecting rod crank pin	.6255 - .6250 in.	<b>COIL TEST SPECIFICATIONS</b>																
Carburetion	Single barrel float feed, with high and low-speed adjustments manual choke	Old Stevens Tester																
Float level setting	Flush with casting	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Switch</th> <th style="width: 50%;">Index Reading</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">2.0 - 2.5</td> </tr> </tbody> </table>			Switch	Index Reading	A	2.0 - 2.5										
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Inlet needle seat	.053 - .050 Use a #55 drill as gage.	New Stevens Tester Model No. M.A.-75																
Cooling system	Centri-matic (combination positive displacement and centrifugal pump).	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Switch</th> <th style="width: 50%;">Index Adjustment</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">22</td> </tr> </tbody> </table>			Switch	Index Adjustment	A	22										
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\*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.