

SPECIFICATIONS

| Model | 4106 (Lightwin, weedless, gearcase) 4136 (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 203230 1/8" x 13/16" stainless steel | | | | | | | | | | |
| Full throttle op.-range | 4000 to 5000 rpm | Propeller | Yachtwin - Standard - 8" diameter x 5-1/2" pitch, 3 blade Optional - 8" x 4-1/2", 3 blade Lightwin - 6-3/8" diameter x 5-1/2" pitch, 3 blades | | | | | | | | | | |
| Test tank rpm with test wheel | 4200 rpm Part Number 316021 for 4106 Part Number 316960 for 4136 | Speed control | Single lever, synchronized throttle and spark | | | | | | | | | | |
| Engine type | 2-cylinder, 2 cycle alternate firing | Weight | 4106 Model - 35 lbs. 4136 Model - 35 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) standard .030" oversize | Part Number 383920 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 less rings standard .030" oversize | Part Number 384651 Part Number 384666 | Spark plug torque | 17-1/2 - 20-1/2 foot-pounds | | | | | | | | | | |
| Crankshaft size top journal center journal bottom journal | .7520 - .7515 in. .6854 - .6849 in. .6854 - .6849 in. | Breaker point gap | .020 inch | | | | | | | | | | |
| Connecting rod crank pin | .6255 - .6250 in. | Condenser Capacity | Part Number 580321 .18 to .22 Mfd. | | | | | | | | | | |
| Carburetion | Single barrel float feed, with high and low-speed adjustments manual choke | COIL SPECIFICATIONS | | | | | | | | | | | |
| Float level setting | Flush with casting | Part No. 580416 Coil Test Specifications: | | | | | | | | | | | |
| Inlet needle seat | .053 - .050 Use a #55 drill as gage. | Old Stevens Tester | | | | | | | | | | | |
| Cooling system | Centri-matic (combination positive displacement and centrifugal pump). | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Switch</th> <th style="width: 70%;">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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| | | New Stevens Tester Model No. M.A.-75 | | | | | | | | | | | |
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| A | 22 | | | | | | | | | | | | |
| | | Merc-O-Tronic | | | | | | | | | | | |
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| 1.4 | .45 - .55 | 35 - 45 | | | | | | | | | | | |
| | | Graham Tester Model 51 | | | | | | | | | | | |
| | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Maximum Secondary</th> <th style="width: 15%;">Maximum Primary</th> <th style="width: 15%;">Coil Index</th> <th style="width: 15%;">Minimum Coil Test</th> <th style="width: 15%;">Gap Index</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5500</td> <td style="text-align: center;">1.2</td> <td style="text-align: center;">75</td> <td style="text-align: center;">33</td> <td style="text-align: center;">70</td> </tr> </tbody> </table> | | Maximum Secondary | Maximum Primary | Coil Index | Minimum Coil Test | Gap Index | 5500 | 1.2 | 75 | 33 | 70 |
| Maximum Secondary | Maximum Primary | Coil Index | Minimum Coil Test | Gap Index | | | | | | | | | |
| 5500 | 1.2 | 75 | 33 | 70 | | | | | | | | | |

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