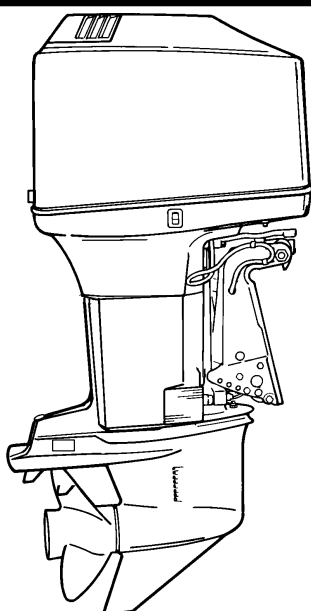




# IMPORTANT INFORMATION

1

A



## SPECIFICATIONS



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## Master Specifications

| <b>Model 105/140Jet/135/150/XR6/MAGIII/175/200/150XRI/175XRI/200XRI<br/>PRO MAX/SUPER MAGNUM 150/200/225</b> |                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                       |
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| <b>HORSEPOWER<br/>(KW)</b>                                                                                   | <b>Model 135</b><br><b>Model 105 Jet/150/150XRI</b><br><b>Model XR6/MAGIII</b><br><b>Model 175/175XRI</b><br><b>Model 140 Jet/200/200XRI</b><br><b>Model Pro Max/Super Magnum 150</b><br><b>Model Pro Max/Super Magnum 200</b><br><b>Model Pro Max/Super Magnum 225</b>                                                                            | 135 (100.6)<br>150 (111.8)<br>150 (111.8)<br>175(130.5)<br>200(149.1)<br>150 (111.8)<br>200(149.1)<br>225(167.9)                                                                                                                                                      |
| <b>OUTBOARD<br/>WEIGHT</b>                                                                                   | <b>Model 135/150</b><br><b>Model Pro Max/Super Magnum<br/>150/200/225</b><br><b>Model XR6/MAGIII/175/200</b><br><b>Model 150XRI/175XRI/200XRI</b><br><b>Model 105 Jet</b><br><b>Model 140 Jet</b>                                                                                                                                                  | 404.0 lbs. (184.0kg)<br><br>350.0 lbs. (159.0kg)<br>395.0 lbs. (180.0kg)<br>410.0 lbs. (186.0kg)<br>428.0 lbs. (195.0kg)<br>408.0 lbs. (185.5kg)                                                                                                                      |
| <b>CYLINDER<br/>BLOCK</b>                                                                                    | <b>Model 105 Jet/135/150</b><br>Type<br>Displacement<br><b>Model 140 Jet/XR6/MAGIII/175/200</b><br><b>150XRI/175XRI/200XRI/Pro Max/</b><br><b>Super Magnum 150/200/225</b><br>Type<br>Displacement                                                                                                                                                 | V-6 Cylinder, Two Cycle, Loop Charged<br>121.9 cu. in. (1998cc)<br><br>V-6 Cylinder, Two Cycle, Loop Charged<br>153.0 cu. in. (2507cc)                                                                                                                                |
| <b>STROKE</b>                                                                                                | <b>Length (All Models)</b>                                                                                                                                                                                                                                                                                                                         | 2.650 in. (67.31mm)                                                                                                                                                                                                                                                   |
| <b>CYLINDER<br/>BORE</b>                                                                                     | <b>Diameter (Std)</b><br>– Models 105 Jet/135/150<br>– Models XR6/MAGIII/175/200<br>150XRI/175XRI/200XRI/140 Jet<br>Pro Max/Super Magnum<br>150/200/225<br><b>Taper/Out of Round/Maximum Wear</b><br><b>Bore Type</b>                                                                                                                              | 3.125 in. (79.375mm)<br><br>3.501 in. (88.925mm)<br>0.003 in. (0.076mm)<br>Cast Iron                                                                                                                                                                                  |
| <b>PISTON</b>                                                                                                | <b>Piston Type</b><br><b>Models 105 Jet/135/150</b><br><b>Standard</b><br><br><b>0.015 in. (0.381mm) Oversize</b><br><br><b>0.030 in. (0.762) Oversize</b><br><br><b>Models XR6/MAGIII/175/200/140 Jet</b><br><b>150XRI/175XRI/200XRI/ProMax/</b><br><b>Super Magnum 150/200/225</b><br><b>Standard</b><br><br><b>0.015 in. (0.381mm) Oversize</b> | Aluminum<br><br>3.115 in. ± 0.002 in.<br>(79.121mm ± 0.051mm)<br>3.130 in. ± 0.002 in.<br>(79.502mm ± 0.051mm)<br>3.145 in. ± 0.002 in.<br>(79.883mm ± 0.051mm)<br><br>3.494 in. ± 0.001 in.<br>(88.748mm ± 0.025mm)<br>3.509 in. ± 0.001 in.<br>(89.129mm ± 0.025mm) |



| <b>Model 105/140Jet/135/150/XR6/MAGIII/175/200/150XRI/175XRI/200XRI<br/>PRO MAX/SUPER MAGNUM 150/200/225</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>COMPRESSION</b>                                                                                           | All Models – Using a fully charged battery, throttle shutters wide open and cylinder block warm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 110 – 135 psi<br>(753.3 – 924.5 kPa)<br>Variance between cylinders should not exceed 15 psi (102.7 kPa)                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>REEDS</b>                                                                                                 | <b>Model 105 Jet/135/150</b><br><b>Model XR6/MAGIII/175/200</b><br><b>Model 150XRI/175XRI/200XRI</b><br>Reed Type<br>Reed Stand Open (Max.)<br>Reed Stop (Max.)<br><b>Model Pro Max/Super Magnum 150/200/225</b><br>Reed Type<br>Reed Stop (Max.)                                                                                                                                                                                                                                                                                                                                                    | Steel<br>0.020 in. (0.50mm)<br>Not Adjustable<br><br>2 Stage Plastic<br>No Stop                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MID SECTION</b>                                                                                           | Power Trim (Total Tilt Range)<br>Power Trim (Trim Range)<br>Steering Pivot Range<br>Tilt Pin Adjustment Positions<br>Allowable Transom Thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 75°<br>20°<br>60°<br>5<br>2-3/8 in. (6.03cm) Maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>GEAR HOUSING</b>                                                                                          | <b>Gear Ratio</b><br>– Models 135/150<br>– Models XR6/MAGIII/150XRI<br>– Models XR6/MAGIII (4-1/4" dia.)<br>– Models 175/200/175XRI/200XRI<br>– Model Pro Max/Super Magnum 200/225<br><b>Gear Ratio – High Altitude</b><br>– Models 135/150<br>– Models XR6/MAGIII/175/200 150XRI/175XRI/200XRI<br>– Model Pro Max/Super Magnum 150<br><b>Gearcase Capacity</b><br>– 1.87:1/2.00:1/2.30:1<br>– 1.78:1<br><b>Pinion Height</b><br>– All Models<br><b>Forward Gear Backlash</b><br>– 1.78:1 Ratio<br><br>– 1.87:1 Ratio<br><br>– 2.00:1 Ratio<br><br>– 2.30:1 Ratio<br><br><b>Water Pressure @ RPM</b> | 2.00:1 (14/28 teeth)<br>1.87:1 (15/28 teeth)<br>1.78:1 (14/25 teeth)<br>1.87:1 (15/28 teeth)<br><br>1.87:1 (15/28 teeth)<br><br>2.30:1 (13/30 teeth)<br>2.00:1 (14/28 teeth)<br>2.00:1 (14/28 teeth)<br><br>22.5 fl. oz. (665.4ml)<br>21.0 fl. oz. (621.0ml)<br><br>0.025 in. (0.64mm)<br><br>0.016 in – 0.019 in. (0.406mm – 0.482mm)<br>0.018 in. – 0.027 in. (0.460mm – 0.686mm)<br>0.015 in. – 0.022 in. (0.381mm – 0.558mm)<br>0.018 in. – 0.023 in. (0.460mm – 0.584mm)<br><br>12 PSI Minimum @ 5500 RPM |



| <b>Model 105/140Jet/135/150/XR6/MAGIII/175/200/150XRI/175XRI/200XRI<br/>PRO MAX/SUPER MAGNUM 150/200/225</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FUEL SYSTEM</b>                                                                                           | <b>Fuel</b><br><b>Recommended Gasoline</b><br>Model 105/140 Jet/135/150<br>Model XR6/MAGIII/175/200<br>Model 150XRI/175XRI/200XRI<br>Model Pro Max/Super Magnum 150/200/225<br><b>Recommended Oil</b><br>All Models<br><br><b>Gasoline/Oil Ratio</b><br><b>Fuel Pressure – @ Idle</b><br><br><b>– @ WOT</b>                                                                                                                                                                                                               | Gasoline w/Oil Injection<br><br>Unleaded 87 Octane Minimum<br><br>Unleaded 92 Octane Minimum<br><br>Quicksilver TC-W3 2 Cycle Outboard Oil Only<br>50:1 (25:1 Break-In)<br>Normal – 2-3 psi (14-21 kPa)<br>Minimum – 1 psi (7 kPa)<br>Maximum – 10 psi (69 kPa)<br>Normal – 8-10 psi (55–69 kPa)<br>Minimum – 3 psi (21 kPa) |
| <b>STARTING SYSTEM</b>                                                                                       | <b>Manual Start – All Models</b><br><b>Electric Start – All Models</b><br>Starter Draw (Under Load)<br>Starter Load (No Load)<br><b>Battery Rating</b>                                                                                                                                                                                                                                                                                                                                                                    | Emergency Start Rope<br><br>175 Amperes<br>40 Amperes<br>Min. Reserve Cap. Rating of 100 Min.<br>and CCA of 490<br>(MCA of 630 Amperes)                                                                                                                                                                                      |
| <b>IGNITION SYSTEM</b>                                                                                       | <b>Type</b><br><b>Spark Plug Type (Except 225 ProMax and 225 Super Magnum</b><br><b>Spark Plug Type (225 ProMax and 225 Super Magnum only)</b><br><b>Spark Plug Gap</b>                                                                                                                                                                                                                                                                                                                                                   | Capacitor Discharge<br>NGK BU8H<br>Surface Gap<br>NGK BUZHW<br>Surface Gap                                                                                                                                                                                                                                                   |
| <b>CHARGING SYSTEM</b>                                                                                       | <b>Alternator Output (Regulated)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 40 Amperes @ 5000 RPM                                                                                                                                                                                                                                                                                                        |
| <b>FUEL INJECTION</b>                                                                                        | <b>Idle RPM</b><br>– All Models<br><b>Wide Open Throttle (WOT) RPM</b><br>– Model 150XRI/175XRI<br>– Model 200XRI<br>– Pro Max/Super Magnum<br><b>Float Adjustment (Vapor Separator)</b><br><b>Float Level</b><br><b>Injectors</b><br>– All Models (Quantity)<br>– Inner Switch Box Controls:<br>– #1 Primary Circuit<br>– #3 Primary Circuit<br>– #5 Primary Circuit<br><b>Line Pressure @ Injectors</b><br>– 150XRI/175XRI/200XRI<br>– Pro Max/Super Magnum<br>– (S/N 0G303045 and below)<br>– (S/N 0G303046 and above) | 650 ± 50<br><br>5000 – 5600<br>5000 – 5800<br>6200 – 6500<br><br>Preset @ Factory<br><br>6<br><br>#3 and #4 Injectors<br>#5 and #6 Injectors<br>#1 and #2 Injectors<br><br>34 PSI - 36 PSI (234 kPa - 248 kPa)<br>36 PSI - 39 PSI (248 kPa - 269 kPa)<br>34 PSI - 36 PSI (234 kPa - 248 kPa)                                 |



**Model 105/140Jet/135/150/XR6/MAGIII/175/200/150XRI/175XRI/200XRI  
PRO MAX/SUPER MAGNUM 150/200/225**

|                                                                |                                                               |                                              |
|----------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------|
| <b>C<br/>A<br/>R<br/>B<br/>U<br/>R<br/>E<br/>T<br/>O<br/>R</b> | <b>Idle RPM</b>                                               |                                              |
|                                                                | – Model 105/140 Jet                                           | 650 ± 50                                     |
|                                                                | 135/150/175/200                                               | 650 ± 50                                     |
|                                                                | – Model Pro Max/Super Magnum                                  |                                              |
|                                                                | 150/200/225                                                   | 650 ± 50                                     |
|                                                                | – Model XR6/MAGIII                                            | 675 ± 50                                     |
|                                                                | <b>Wide Open Throttle (WOT) RPM</b>                           |                                              |
|                                                                | – Model 105/140 Jet                                           | 5000 – 5600                                  |
|                                                                | 135/150/175/200                                               | 5000 – 5500                                  |
|                                                                | – Model XR6/MAGIII                                            | 5000 – 5500                                  |
|                                                                | – Model Pro Max/Super Magnum                                  |                                              |
|                                                                | 150/200/225                                                   | 6200 – 6500                                  |
|                                                                | <b>Idle Mixture Screw Adjustment<br/>(Preset - Turns Out)</b> |                                              |
|                                                                | – All Carburetor Models                                       | 1-1/2 ± 1/8                                  |
|                                                                | – All EFI Models                                              | Not Adjustable                               |
|                                                                | <b>Float Adjustment</b>                                       |                                              |
|                                                                | Float Level                                                   | Float Even with Bowl Edge w/Bowl<br>Inverted |
|                                                                | <b>WMH Carburetor Jets</b>                                    |                                              |
|                                                                | – Model 135 (WMH 30)                                          |                                              |
|                                                                | – Main Jet                                                    | .066                                         |
|                                                                | – Off-Idle Jet                                                | .050                                         |
|                                                                | – Idle Air Jet                                                | .054                                         |
|                                                                | – Vent Jet                                                    | .084                                         |
|                                                                | – Model 105 Jet/150 (WMH 31)                                  |                                              |
|                                                                | – Main Jet                                                    | .062                                         |
|                                                                | – Off-Idle Jet                                                | .050                                         |
|                                                                | – Idle Air Jet                                                | .052                                         |
|                                                                | – Vent Jet                                                    | .086                                         |
|                                                                | – Model XR6/MAGIII (WMH 32)                                   |                                              |
|                                                                | – Main Jet                                                    | .062                                         |
|                                                                | – Off-Idle Jet                                                | .040                                         |
|                                                                | – Idle Air Jet                                                | .058                                         |
|                                                                | – Vent Jet                                                    | .090                                         |
|                                                                | – Model 175 (WMH 33)                                          |                                              |
|                                                                | – Main Jet                                                    | .064                                         |
|                                                                | – Off-Idle Jet                                                | .050                                         |
|                                                                | – Idle Air Jet                                                | .048                                         |
|                                                                | – Vent Jet                                                    | .084                                         |
|                                                                | – Model 140 Jet/200 (WMH 34/39)                               |                                              |
|                                                                | – Main Jet                                                    | Cyl. 1,2 – .066<br>Cyl. 3,4,5,6 – .064       |
|                                                                | – Off-Idle Jet                                                | .050                                         |
|                                                                | – Idle Air Jet                                                | .046                                         |
|                                                                | – Vent Jet                                                    | .084                                         |



**Model 105/140Jet/135/150/XR6/MAGIII/175/200/150XRI/175XRI/200XRI  
PRO MAX/SUPER MAGNUM 150/200/225**

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**WMV Carburetor Jets**

**– Model 135 (WMV 1/1A)**

- Main Jet
- Idle Air Jet
- Vent Jet

.072  
Cyl. 1,2,3,4,6 – .036; Cyl. 5 – .040  
.086

**– Model 105 Jet/150 (WMV 2/2A)**

- Main Jet
- Idle Air Jet
- Vent Jet

.074  
Cyl. 1,2,3,4,6 – .034; Cyl.5 – .038  
.086

**– Model XR6/MAGIII (WMV 3/3A)**

- Main Jet
- Idle Air Jet
- Vent Jet

.074  
Cyl. 1,2,3,4,6 – .044; Cyl.5 – .048  
.082

**– Model 175 (WMV 4/4A)**

- Main Jet
- Idle Air Jet
- Vent Jet

.078  
Cyl. 1,2,3,4,6 – .030; Cyl.5 – .034  
.086

**– Model 140 Jet/200 (WMV 5/5A)**

- Main Jet
- Idle Air Jet
- Vent Jet

Cyl 1,2 – .082  
Cyl. 3,4,5,6 – .080  
Cyl 1,2 – .052  
Cyl. 3,4,6 – .028  
Cyl. 5 – .032  
.096



**Model 105/140Jet/135/150/XR6/MAGIII/175/200/150XRI/175XRI/200XRI  
PRO MAX/SUPER MAGNUM 150/200/225**

|                                        |                                                                                                                                                                      |                                                                           |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>T<br/>I<br/>M<br/>I<br/>N<br/>G</b> | <b>Idle Speed/Pickup Timing</b><br>– 105 JET/135/150 Carb Models                                                                                                     | 2° – 9° ATDC                                                              |
|                                        | – XR6/MAG III/175 Carb<br>– 140 Jet/200 Carb<br>– All Pro Max/Super Magnum<br>– 150XRI/175 XRI Models<br>– 200 XRI Model                                             | 0° – 9° ATDC                                                              |
|                                        | <b>Maximum BTDC</b><br>– Model 105 Jet/135/150<br>@ Cranking Speed<br>@ WOT RPM                                                                                      | 21° BTDC<br>19° BTDC                                                      |
|                                        | – XR6/MAG III/175 Carb<br>– 175 XRI<br>– Pro Max/Super Magnum 150<br>@ Cranking Speed<br>@ WOT RPM                                                                   | 20° BTDC<br>19° BTDC                                                      |
|                                        | – 150 XRI<br>@ Cranking Speed<br>@ WOT RPM                                                                                                                           | 15° BTDC<br>16° BTDC                                                      |
|                                        | – 140 Jet/200 Carb<br>Models with Spark Advance<br>Module<br>@ Cranking Speed<br>@ WOT RPM<br>Models with Idle Stabilizer<br>Module<br>@ Cranking Speed<br>@ WOT RPM | 21° BTDC<br>25° BTDC<br>22° BTDC<br>20° BTDC                              |
|                                        | – Model 200XRI<br>@ Cranking Speed<br>@ 5800 RPM                                                                                                                     | 16° BTDC<br>22° BTDC                                                      |
|                                        | – Pro Max/Super Magnum 200<br>@ Cranking Speed                                                                                                                       | With Spark Advance Box – 20° BTDC<br>Without Spark Advance Box – 25° BTDC |
|                                        | – Pro Max/Super Magnum 225<br>@ 3000 RPM                                                                                                                             | 23° BTDC                                                                  |
|                                        |                                                                                                                                                                      |                                                                           |

**NOTE:** Timing specifications listed are for 1998 model year engines. Refer to timing decal on engine for previous model year timing specifications.





**Model 105/140Jet/135/150/XR6/MAGIII/175/200/150XRI/175XRI/200XRI  
PRO MAX/SUPER MAGNUM 150/200/225**

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OIL<br/>INJECTION</b> | <b>Recommended Oil (All Models)<br/>Hi-Perf. Pro Max/Super Magnum</b><br><br><b>Oil Tank Capacity<br/>Approx. Time</b> <ul style="list-style-type: none"><li>– Model 105 Jet/135/150</li><li>– Model 140 Jet/XR6/MAGIII/175/200</li><li>– Model 150XRI/175XRI/200XRI/Pro<br/>Max/Super Magnum 150/200/225</li></ul> <b>Reserve Capacity/Approx. Time</b><br><br><b>Output @ 1000 RPM for 3 Minutes<br/>with Pump @ Full Open</b> <ul style="list-style-type: none"><li>– Model 105 Jet/135/150</li><li>– Model 140 Jet/XR6/MAG III/175/200</li><li>– Model 150XRI/175XRI/200XRI/Pro<br/>Max/Super Magnum 150/200/225</li></ul> | <b>Quicksilver TC-W3<br/>Quicksilver TC-W3</b><br><br>3 gal. (11.4Liter)<br><br>8.7 hrs. Approx.<br>6.6 hrs. Approx.<br><br>6.6 hrs. Approx.<br>.94 qt. (0.89Liter) 30 – 35 min.<br><br>12cc @ 1000 RPM<br>15cc @ 1000 RPM<br><br>15cc @ 1000 RPM |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|