1-2. SPECIFICATIONS

1-3. Dimensions

Dimensions

Overall length	67.0 cm (26.4 in.)
Overall width	37.0 cm (14.6 in.)
Overall height (short)	122.0 cm (48.0 in.)
(long)	135.0 cm (53.1 in.)
Transom height (short)	38.10 cm (15 in.)
(long)	50.80 cm (20 in.)

1-4. Powerhead

Horsepower (hp)	40 @5500 rpm
RPM range at full throttle	4500-5500 rpm
Type	Two stroke
Number of cylinders	2
Displacement	592 cc (36.13 cu. in.)
Bore and stroke	(75 mm x 67 mm) (2.953 in. x 2.638 in.)
Compression ratio (40)	6.5:1
(W40)	6.0:1
Intake system	Reed valve
Scavenging system	Loop charge
Exhaust system	Under water
Lubrication system	Pre-mixed gasoline and oil
Cooling system	Water cooled
Starting system	Electric and/or manual start

1-5. Fuel System

Carburetor	Center bowl, fixed enrichment system
Jet size	See Parts Catalog
Idle RPM	900 ± 50 (in gear)
Fuel pump discharge pressure	0.14 kg/cm^2 (2 psi)
Fuel	Pre-mixed gasoline and oil
Mixing ratio	50:1 (25:1 break-in period)
Fuel tank capacity	24 L(6.4 US gals)
Replacement tank	22.7 L(6.0 US gals)
Oil for pre-mixing	Quicksilver Outboard Oil
Fuel	Regular leaded, low lead or no lead gasoline

1-6. Ignition System

A. MAGNETO TYPE

Spark plug	NGK-B8HS
Timing maximum	4.18 to 4.48 mm (0.165 to 0.177 in.) 26° ± 1.5° BTDC
Timing minimum	4° BTDC
Ignition coil	
Primary	3.1 - 4.1 ohms
Secondary (primary side to ground)	0.85 - 1.15 ohms
(secondary side to ground)	5020 - 6780 ohms

B. CDI TYPE

Spark plug	NGK-B8HS
Timing maximum	26° BTDC
Timing idle	4° BTDC
Charge (source) coil	121 to 147 ohms
Pulser (trigger) coil	12.6 to 15.4 ohms
Ignition coil	
Primary	0.08 to 0.10 ohms
Secondary	3475 to 4025 ohms

1-7. Electrical System

Battery	12V, 70 Ah
Starter Motor	
Draw	35A (no load) 175 (normal load)
Clutch	Overrunning clutch
No load terminal voltage	12V
Brush wear limit	4.8 mm (0.189 in.)
Commutator undercut	0.8 mm (0.031 in.)
Starter solenoid	2.7 - 3.3 ohms
Choke solenoid	3.6 - 4.4 ohms
Rectifier	Bridge circuit
Charging capacity (with somewhat discharged battery)	5-7A @ 5500 rpm

1-8. Gear Case

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Gear Box	Forward - Neutral - Reverse
Reduction ratio	2:1 (26:13)
Reduction method	Spiral bevel gears
Clutch	Clutch dog
Propeller drive system	Drive pin or splined rubber hub
Lubricant	
Type	Quicksilver Super Duty Gear Lubricant
Capacity (Above Prop Exhaust Model)	430 cc (14.5 fl oz)
Capacity (Thru-Prop Exhaust Model)	330 cc (11.2 fl oz)

1-9. Clearances

Powerhead	
Piston clearance	0.050 to 0.055 mm (0.0020 to 0.0022 in.)
Piston ring end gap	0.3 to 0.5 mm (0.012 to 0.020 in.)
Connecting rod small end bearing	Needle bearing
Connecting rod big end bearing	Needle bearing
Reed Stop Height	5 mm (0.200 in.)
Crankshaft main bearing	
Upper	Needle bearing
Center	Needle bearing
Lower	Ball bearing