1-2. SPECIFICATIONS

1-3. Dimensions

4 Model Dimensions

Overall length	480 mm (19 in.)
Overall width	315 mm (12 in.)
Overall height (short)	1010 mm (40 in.)
(long)	1135 mm (45 in.)
Shaft length (short)	380 mm (15 in.)
(long)	510 mm (20 in.)

5 Model Dimensions

Overall length	480 mm (19 in.)
Overall width	315 mm (12 in.)
Overall height (short)	980 mm (39 in.)
(long)	1105 mm (43.9 in.)
Shaft length (short)	380 mm (15 in.)
(long)	510 mm (20 in.)

1-4. Powerhead

4 Model

Horsepower (hp)	4 @ 5000 rpm
Kilowatts (kw)	2.9 @ 5000 rpm
RPM range at full throttle	4500-5500 rpm
Type	Two stroke
Number of cylinders	1
Displacement	83 cc (5 cu. in.)
Bore and stroke	50 mm x 42 mm (1.985 in. x 1.667 in.)
Compression ratio	7:1
Intake system	Reed valve
Scavenging system	Cross flow
Exhaust system	Under water
Lubrication system	Pre-mixed gasoline and oil
Cooling system	Water cooled
Starting system	Manual start

5 Model

Horsepower	5 @ 5000 rpm
Kilowatts	3.7 @ 5000 rpm
RPM range at full throttle	4500-5500 rpm
Type	Two stroke
Number of cylinders	1
Displacement	103 cc (6.3 cu. in.)
Bore and stroke	54 mm x 45 mm (2.144 in. x 1.787 in.)
Compression ratio	6.5:1
Intake system	Reed valve
Scavenging system	Cross flow
Exhaust system	Under water
Lubrication system	Pre-mixed gasoline and oil
Cooling system	Water cooled
Starting system	Manual start

1.5. Fuel System

4 Models

Carburetor	Center bowl, integral fuel pump
Main jet	See Parts Catalog
Vent jet	See Parts Catalog
Idle RPM	950 to 1,050 (in gear)
Fuel	Pre-mixed gasoline and oil
Mixing ratio	50:1 (25:1 break-in period)
Fuel tank capacity (integral)	2.8 L (0.74 US gals)
Oil for pre-mixing	Quicksilver Outboard Oil
Fuel	Regular leaded, low lead or lead free gasoline

5 Model

Carburetor	Center bowl, integral fuel pump
Main jet	See Parts Catalog
Vent jet	See Parts Catalog
Idle RPM	950 to 1,050 (in gear)
Fuel	Pre-mixed gasoline and oil
Mixing ratio	50:1 (25:1 break-in period)
Fuel tank capacity	12 L (3.2 US gals)
Oil for pre-mixing	Quicksilver Outboard Oil
Fuel	Regular leaded, low lead or lead free gasoline

1-6. Ignition System

Ignition method	Capacitor discharge (CD)
Spark plug	NGK-B7HS
Timing maximum	28° ± 3° BTDC
Idle timing	5° ± 2° BTDC
Spark plug gap	0.5 to 0.6 mm (0.020 to 0.025 in.)
Ignition coils	
Source (charge)	250 to 300 ohms
Ignition (primary side)	0.2 to 0.3 ohms
(secondary side)	7500 to 9500 ohms
Pulser (trigger) - Low Speed	190 to 230 ohms
Pulser (trigger) - High Speed	30 to 36 ohms

1-7. Gear Case

Gear box	Forward - Neutral - Reverse
Reduction ratio	2.08:1 (27:13)
Reduction method	Straight bevel gears
Clutch	Clutch dog
Propeller drive system	Drive pin
Lubricant	
Type	Quicksilver Super Duty Lower Unit Lubricant
Capacity	105 cc (3.5 fl. oz.)

1-8. Clearances

Powerhead	
Piston clearance	0.030 to 0.035 mm (0.0012 to 0.0014 in.)
Piston ring end gap	0.15 to 0.35 mm (0.006 to 0.014 in.)
Connecting rod small end bearing	Needle bearing
Connecting rod big end bearing	Needle bearing