

SPECIFICATIONS

Model Numbers	10824, 15804 - Standard length (15" transom) (381 mm) Manual start
	10825, 15805 - Long shaft (20" transom) (508 mm) Manual start
	15854 - Standard length (15" transom) (381 mm) Electric start
	10855, 15855 - Long shaft (20" transom) (508 mm) Electric start
	10835 - Long shaft, electric start with reverse thrust kit

9.9 Horsepower (B.I.A. certified) at 5000 rpm	
Full throttle operating range 4500 to 5500 rpm	
Test wheel	Part Number 386537
Tank Test - 5400 rpm standard	
4200 rpm with reverse thrust kit	
15 Horsepower (B.I.A. certified) at 6000 rpm	
Full throttle operating range 5500 to 6500 rpm	
Test wheel	Part Number 386537
Tank test - 6200 rpm standard	
4800 rpm with reverse thrust kit	

Engine type 2 cyl., 2 cycle, alternate firing	
Bore and stroke 2.188" bore x 1.760" stroke (55.58 x 44.70 mm)	
Piston displacement 13.20 cubic inches (216 cm ³)	
Piston ring sets (2 per set)	
standard	Part Number 386279
.030" oversize	Part Number 386280
Width of ring	Upper - 0.0700 - 0.0695 in. (1.778 - 1.765 mm)
	Lower - 0.0615 - 0.0625 in. (1.562 - 1.588 mm)
Piston less rings	
standard	Part Number 387660
.030" oversize	Part Number 387661
Crankshaft size	
Top journal	0.8762 - 0.8757 in. (22.255 - 22.243 mm)
Center journal	0.8125 - 0.8120 in. (20.638 - 20.625 mm)
Bottom journal	0.8125 - 0.8120 in. (20.638 - 20.625 mm)
Connecting rod crank pin	1.0635 - 1.0630 in. (27.013 - 27.000 mm)
Carburetion	Single barrel, float feed, fixed high speed adjustable low-speed, manual choke
High speed orifice plug (9.9 hp)	Part Number 322752
High speed orifice plug (15 hp)	Part Number 322293
Float level setting	Flush with rim of casting
Inlet needle seat	0.065 - 0.062" (1.65 - 1.57 mm) Use #52 drill as gage
Cooling system	Thermostatically controlled Combination positive displacement and centrifugal pump
Propeller gear ratio	12:29
Propeller supplied with motor	3 blade, 9-1/2" dia. x 10" pitch
Propeller supplied with sailboat model	3 blade, 9-1/4" dia. x 8" pitch
Propeller options	3 blade, 10" dia. x 5" pitch 2 blade weedless 9" dia. x 10" pitch

Speed control	On steering handle
	Remote control available
Gear shift control	Forward, neutral and reverse
Weight (without fuel tank)	Models 10824, 15804 - 72 lbs. (32.7 kg)
	Models 10825, 15805 - 76 lbs. (34.5 kg)
	Model 15854 - 77.5 lbs. (35.2 kg)
	Models 10855, 15855 - 81.5 lbs. (37.0 kg)
	Model 10835 - 81.5 lbs. (37.0 kg)
	Fuel tank weight 11 pounds (5.0 kg) net
Fuel capacity	6 gallons (22.7 litres)
Electrical system (Electric start models only)	5 amp flywheel alternator
Starter	Manual - Self-winding
	Electric - 12 volt, and rope
Starter amperage draw while cranking	55 Amps max.
Ignition	Breakerless C.D. magneto
Spark plug	Champion L78V
Alternate spark plug	Champion L77J4 or AC M40FFX gapped at 0.040" (1.0 mm)
Spark plug torque	17-1/2 - 20-1/2 foot-pounds (24 - 27 N.m)
Charge coil resistance	
Rope	575 ± 75 ohms
Electric	475 ± 75 ohms
Ignition coil	Part No. 581819

IGNITION COIL TEST SPECIFICATIONS		
Stevens Model ST-75		
Reverse Polarity (Switch Setting CD)	1.6	
Stevens Tester Model M.A.-75 or M.A.-80		
Switch **A	Index Adjustment 20	
Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
Operating Amperage	Primary Resistance	*Secondary Continuity
1.7	0.1 Ohm or Less	5 (Approx.)
**Use Model CD-1 Adapter Red test clip to orange/black Black test clip to orange		
Graham Tester Model 51		
Maximum Secondary	1,000 ohms	
Maximum Primary	0.6 ohm	
Maximum Primary DC ohms (point test)	1.0 ohms	
Coil Index	60	
Coil Test Minimum AMPLIFIED	29 (With secondary circuit "open.") Hi tension lead disconnected	
Gap Index	60 (Coil must fire spark gap on tester at this setting.)	

IGNITION COIL OHMMETER TEST	
Primary Low Ohms	Secondary High Ohms
0.1 ± 0.05	275 ± 25

*Horsepower established at sea level. Allow 2% reduction per 1000' (300 m) above sea level.