

# SPECIFICATIONS

Models 25702 and 35702,  
Manual Start Standard Length (15"  
transom) (381 mm)  
Models 25752 and 35752,  
Electric Start Standard Length  
Models 25703 and 35703,  
Manual Start Long Shaft (20" transom)  
(508 mm)  
Models 25753 and 35753,  
Electric Start Long Shaft

## POWERHEAD

Horsepower (B.I.A. certified)  
25 HP Model 25 HP at 5000 rpm  
35 HP Model 35 HP at 5500 rpm  
Full throttle operating range 25 HP - 4500-5500 rpm  
35 HP - 5000-6000 rpm

Tank test  
25 HP - Wheel part number 388295, 4650 rpm  
35 HP - Wheel part number 386891, 5300 rpm  
Engine type 2 cyl., 2 cycle, alternate firing  
Bore and stroke 3.000" bore x 2.250" (76.20 x 57.15 mm)  
Piston displacement 31.8 cubic inches (521 cm<sup>3</sup>)  
Piston and rings available standard and .030" oversize  
Thickness of ring Upper - .0900 - .0895 in.  
(2.286 - 2.273 mm)  
Lower - .0625 - .0615 in.  
(1.588 - 1.562 mm)

Crankshaft size  
Top journal 1.2495 - 1.2500 in.  
(31.737 - 31.750 mm)  
Center journal .9995 - 1.0000 in.  
(25.387 - 25.400 mm)  
Bottom journal .9842 - .9846 in.  
(24.999 - 25.009 mm)  
Connecting rod crank pin 1.1828 - 1.1823 in.  
(30.043 - 30.030 mm)

## CARBURETOR

Carburetion Single barrel, float feed,  
fixed high speed, adjust-  
able low-speed (under mo-  
tor cover), manual choke  
High speed orifice plug 25 HP - Part Number 320921  
Identification Number 55-D  
35 HP - Part Number 319831  
Identification Number 59-D  
Flush with rim of casting  
Float level setting .065 - .062 (1.65 - 1.57 mm)  
Inlet needle seat Use #53 drill as gage  
Initial low speed needle setting 1-1/4 turns open  
Idle speed 650 rpm maximum  
Maximum neutral rpm 2000 - 3500 rpm  
Cooling system Combination positive dis-  
placement and centrifugal  
pump  
Thermostatically controlled  
Propeller gear ratio 12:21 (25 HP) - 14:27 (35 HP)  
Propeller supplied with 25 HP - 3 blade 9-1/4" dia.  
motor x 11" pitch  
35 HP - 3 blade 10-1/2" dia.  
x 11" pitch  
Propeller options 25 HP - 3 blade 9-1/2" dia.  
x 7" pitch  
3 blade 9" dia. x 9" pitch  
3 blade 9" dia. x 10" pitch  
3 blade 9-1/4" dia. x 7"  
pitch (weedless)  
35 HP - 3 blade 11-1/4" dia.  
x 7" pitch alum.

3 blade 11" dia. x 9"  
pitch alum.  
3 blade 10" dia. x 13" pitch  
alum.  
3 blade 10-1/4" dia. x 13"  
pitch SST  
3 blade 10-1/2" dia. x 11"  
pitch SST  
3 blade 11" dia. x 9" pitch SST  
Speed control On steering handle (Manual start)  
Remote control available  
(Electric start)  
Gear shift control Forward, neutral and  
reverse  
Weight Model 25702, 101 lbs. (45.8 kg)  
(without fuel tank) Model 25703, 104 lbs. (47.2 kg)  
Model 25752, 103 lbs. (46.7 kg)  
Model 25753, 106 lbs. (48.1 kg)  
Model 35702, 114 lbs. (51.7 kg)  
Model 35703, 118 lbs. (53.5 kg)  
Model 35752, 117 lbs. (53.1 kg)  
Model 35753, 121 lbs. (54.9 kg)  
(Fuel tank weight 11 pounds - net 5 kg)  
Fuel capacity 6 gallons (22.7 litres)

## ELECTRICAL SYSTEM

Charging system 5 amp flywheel alternator  
(Electric start models only)  
Starter Manual - Self-winding  
Electric - 12 volt  
Starter amperage draw while 100 amps Max.  
cranking

## IGNITION SYSTEM

Ignition Magneto breakerless C.D.  
Spark plug Champion L77J4 or AC M40FFX  
Spark plug gap .040 inch (1.0 mm)  
Spark plug torque 17-1/2 - 20-1/2 foot-pounds  
(24 - 27 N·m)

## IGNITION COIL TEST SPECIFICATIONS

Stevens Model ST-75		
Reverse Polarity (Switch Setting CD)	1.9	
Stevens Tester Model M.A.-75 or M.A.-80		
Switch **A	Index Adjustment 20	
**Use Model CD-1 Adapter - Red test clip to orange/black - Black test clip to orange		
Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
Operating Amperage	Primary Resistance	Secondary Continuity
Min. - Max.	Min. - Max.	Min. - Max.
1.9	.1 Ohm	8 - 20
Graham Tester Model 51		
Maximum Secondary	3,000 ohms	
Maximum Primary	0.6 ohm	
Coil Index	50	
Coil Test Minimum AMPLIFIED	27 (With secondary circuit open") Hi tension lead disconnected	
Gap Index	50 (Coil must fire spark gap on tester at this setting.)	

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