

SPECIFICATIONS

Model 35602, Manual Start Standard Length (15" transom)
 Model 35652, Electric Start Standard Length
 Model 35603, Manual Start Long Shaft (20" transom)
 Model 35653, Electric Start Long Shaft

POWERHEAD

Horsepower (B.I.A. certified 35 hp at 5500 rpm)
 Full throttle operating range 5000 to 6000 rpm
 Tank test with test wheel 5300 rpm
 Part Number 386891

Engine type 2 cyl., 2 cycle, alternate firing
 Bore and stroke 3.000" bore x 2.250" stroke
 Piston displacement 31.8 cubic inches

Pistons and rings available standard and .030" oversize

Thickness of ring Upper - .0900 - .0895 in.
 Lower - .0625 - .0615 in.

Crankshaft size
 Top journal 1.2495 - 1.2500 in.
 Center journal .9995 - 1.0000 in.
 Bottom journal .9842 - .9846 in.

Connecting rod crank pin 1.1828 - 1.1823 in.

CARBURETOR

Carburetion Single barrel, float feed,
 fixed high speed, adjust-
 able low-speed (under mo-
 tor cover), manual choke

High speed orifice plug Part Number 319831
 Identification Number 59-D

Float level setting Flush with rim of casting

Inlet needle seat .065 - .062
 Use #53 drill as gage

Initial low speed needle 1-5/8 turns open
 setting

Idle speed 650 rpm maximum
 Maximum neutral rpm 4500 - 6000 rpm

Cooling System Centri-matic (combination
 positive displacement and
 centrifugal pump)
 Thermostatically controlled

Propeller gear ratio 14:27

Propeller supplied with 3 blade, 10-1/2" dia. x
 motor 11" pitch

Propeller options 3 Blade, 11-1/4" dia. x 7"
 Pitch
 3 Blade, 11" dia. x 9" Pitch
 3 Blade, 10" dia. x 13"
 Pitch

Speed control On steering handle (Manual
 start)
 Remote control available
 (Electric start)

Gear shift control Forward, neutral and
 reverse
 Weight (without fuel tank) Model 35602 - 112 lbs.
 Model 35603 - 116 lbs.
 Model 35652 - 115 lbs.
 Model 35653 - 119 lbs.
 (Fuel tank weight 11 pounds
 net)

Fuel capacity 6 gallons

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 Low tension magneto
 Spark plug Champion UL81J, 14mm
 Spark plug gap .030 inch
 Spark plug torque 17-1/2 - 20-1/2 foot-pounds
 Breaker point Gap .020 inch
 Driver coil - resistance Rope 1.45 ± .4Ω
 Electric 2.70 ± .7Ω
 Condenser Part Number 581419
 Capacity .25 - 29 Mfd.
 Coil Part No. 581370

IGNITION COIL TEST SPECIFICATIONS

With Stevens Tester Model No. M.A.-75 or M.A.-80
 with M.A.-14 Adapter in Series with High Tension Lead

Switch	Index Adjustment
B	25

Merc-O-Tronic with 55-980 CDA Adapter

Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.
1.7	0.8 - 1.2	60 - 70

Graham Tester Model

Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index
20,000 ohms	14.0 ohms	50	24	45

COIL OHMMETER TEST

Primary (Low Ohms)	Secondary (High Ohms)
1.35 ± .3	13,500 ± 1500

*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.