

Table 2 SPECIFICATIONS AND CLEARANCES — 3 HP

GENERAL

Horsepower	3 hp @ 4,000 rpm
Operating range	3,500 hp @ 4,500 rpm
Test tank	3,850 rpm
Engine type	2-cylinder, 2 cycle, 180° crank
Bore and stroke	1-9/16 in. bore x 1-3/8 in. stroke
Piston displacement	5.28 cu. in.
Crankshaft size	
All journals	0.6854 - 0.6849 in.
Connecting rod crank pin	0.6255 - 0.6250 in.
Carburetion	Single barrel, float feed, high and low-speed adjustments, manual choke
Float level	Flush with casting
Intake needle seat	0.065 - 0.062 in. Use a No. 52 drill as gauge
Cooling system	Centrifugic (combination positive displacement and centrifugal pump)
Propeller gear ratio	17:28 Lightwin/Duckwin 12:25 Yachtwin
Propeller	Yachtwin— Standard - 8 in. diameter x 5 1/2 in. pitch, 3 blade Optional - 8 x 4 1/2 in., 3 blade Lightwin— 6 1/2 in. diameter x 5 1/4 in. pitch, 2 blades
Speed control	Single lever, synchronized throttle and spark
Starter	Manual, self-revinding
Ignition	Flywheel magnets
Spark plug	AC-M42K, Champion J4J, 14mm
Spark plug gap	0.030 in.
Spark plug torque	17 1/2 - 20 1/2 ft. lb.
Breaker point gap	0.030 in.
Condenser	0.18 to 0.22 μ fd.

POWER HEAD

Piston ring gap	0.015 - 0.008 in.
Piston ring groove	0.0035 - 0.003 in.
Cylinder and piston	0.0025 - 0.0013 in.
Crankshaft	
Upper	0.0023 - 0.0013 in.
Center	0.0023 - 0.0013 in.
Lower	0.0023 - 0.0013 in.
Connecting rod	
Piston end	0.0011 - 0.0004 in.
Crankshaft end	0.0017 - 0.0007 in.

(continued)

* Maximum substituted oil use limit. Allow 2% reduction per 1000' above sea level.

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Outboard Motor Service Manual: Motors below 30 hp, 1979 Index of Technical Publications United States.
Department of the Army, 1977 **Seloc's Johnson/Evinrude Outboard: 1971-1985 : 2.0 HP thru 60 HP** Clarence W.
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Volume II covers models with 30hp and above *Catalog of Copyright Entries. Third Series* Library of Congress. Copyright
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