

SPECIFICATIONS

Model Numbers	RX-16 - Standard length (15" transom) RXL-16 - 5" longer (20" transom) RXE-16 - Standard length (15" transom) RXEL-16 - 5" longer (20" transom)
Horsepower (O"B"C"-certified)	33 hp at 4500 rpm
Full throttle operating range	4000 to 5000 rpm
Tank test with test wheel	4400 rpm
Engine type	2 cyl., 2 cycle, alternate firing
Bore and stroke	3-1/16" bore x 2-3/4" stroke
Piston displacement	40.5 cubic inches
Piston ring sets (3 per set)	
standard	Part Number 378436
.020" oversize	Part Number 378437
.040" oversize	Part Number 378438
Diameter of ring	3.0625 in. (standard)
Width of ring	.0935 - .0925 in.
Lbs. compression recommended when compressed	6 to 9 lbs.
Piston less rings	
standard	Part Number 380566
.020" oversize	Part Number 380557
.040" oversize	Part Number 380558
Crankshaft size	
top journal	1.2500 - 1.2495
center journal	1.000 - .9995
bottom journal	1.000 - .9995
Connecting rod crank pin	1.1828 - 1.1823 in.
Carburetion	Single barrel, float feed, high- and low-speed adjustments, manual choke or electric choke
Float level setting	Flush with rim of casting
Inlet needle seat	.065 - .062 Use #52 drill as gage
Cooling system	Vari-Volume (combination positive displacement and centrifugal pump)
Propeller gear ratio	12:21

Propeller drive pin	Part Number 304575, 1/4" x 1-15/32" stainless steel			
Propeller	3 blade, 10-1/2" dia. x 12" pitch			
Propeller options	3 blade, 10-3/8" dia. x 11-1/2" pitch 3 blade, 10-3/8" dia. x 14" pitch			
Speed control	Knob on steering bracket or remote control. Synchronized throttle and spark			
Gear shift control	Forward, neutral, and reverse			
Weight (without fuel tank)	Model RX-16 - 130 lbs. Model RXL-16 - 133-1/2 lbs. Model RXE-16 - 140 lbs. Model RXEL-16 - 144 lbs. (Fuel tank weight 11 pounds net)			
Fuel capacity	6 gallons, suction type tank			
Starter	RX-RXL - Ready pull self-winding RXE-RXEL - Electric			
Ignition	Flywheel magneto			
Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm			
Spark plug gap	.030 inch			
Spark plug torque	17-1/2 - 20-1/2 foot-pounds			
Breaker	Gap .020 inch			
Condenser Capacity	Part Number 580422 .25 - 29 Mfd.			
Part No. 580416 Coil Test Specifications				
Old Stevens Tester				
Switch	Index Reading			
A	2.0 - 2.5			
New Stevens Tester Model No. M.A.-75				
Switch	Index Adjustment			
A	24			
Merc-O-Tronic				
Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.		
1.6	.45 - .55	30 - 45		
Graham Tester Model 51				
Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index
4000	1.2	75	33	75

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