

SPECIFICATIONS

Model Numbers	33902 - Standard length (15" transom) 33903-5" longer (20" transom) 33952 - Standard length (15" transom) 33953-5" longer (20" transom)	Propeller drive pin	Part Number 304575, 1/4" x 1-15/32" stainless steel
Horsepower (O"B"C"-certified)	33 hp at 4500 rpm	Propeller	3 blade, 10-1/2" dia. x 12" pitch
Full throttle operating range	4000 to 5000 rpm	Propeller options	3 blade, 10-3/8" dia. x 11-1/2" pitch 3 blade, 10-3/8" dia. x 14" pitch 3 blade, 10-3/8" dia. x 13-1/4" pitch
Tank test with test wheel	4400 rpm	Speed control	Knob on steering bracket or remote control. Synchronized throttle and spark
Engine type	2 cyl., 2 cycle, alternate firing	Gear shift control	Forward, neutral, and reverse
Bore and stroke	3-1/16" bore x 2-3/4" stroke	Weight (without fuel tank)	Model 33902 - 130 lbs. Model 33903 - 133-1/2 lbs. Model 33952 - 140 lbs. Model 33953 - 144 lbs. (Fuel tank weight 11 pounds net)
Piston displacement	40.5 cubic inches	Fuel capacity	6 gallons, suction type tank
Piston ring sets (3 per set)		Starter	Ski-Twin - Simplex self-winding Ski-Twin Electric - Electric
standard	Part Number 378436	Ignition	Flywheel magneto
.020" oversize	Part Number 378437	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm
.040" oversize	Part Number 378438	Spark plug gap	.030 inch
Diameter of ring	3.0625 in. (standard)	Spark plug torque	17-1/2 - 20-1/2 foot-pounds
Width of ring	.0935 - .0925 in.	Breaker point	Gap .020 inch
Lbs. compression recommended when compressed	6 to 9 lbs.	Condenser Capacity	Part Number 580422 .25 - 29 Mfd.
Piston less rings		Part No. 580416 Coil Test Specifications	
standard	Part Number 380566	Old Stevens Tester	
.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	Centri-matic (combination positive displacement and centrifugal pump)		
Propeller gear ratio	12:21		

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.