

SPECIFICATIONS

Model Numbers	33802 - Standard length (15" transom) 33803-5" longer (20" transom) 33852 - Standard length (15" transom) 33853-5" 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
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 33802 - 130 lbs. Model 33803 - 133-1/2 lbs. Model 33852 - 140 lbs. Model 33853 - 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	Switch	Index Reading
.040" oversize	Part Number 380558	A	2.0 - 2.5
Crankshaft size		New Stevens Tester Model No. M.A.-75	
top journal	1.2500 - 1.2495	Switch	Index Adjustment
center journal	1.000 - .9995	A	24
bottom journal	1.000 - .9995	Merc-O-Tronic	
Connecting rod crank pin	1.1828 - 1.1823 in.	Operating Amperage	Primary Resistance Min. Max. Secondary Continuity Min. Max.
Carburetion	Single barrel, float feed, high- and low-speed adjustments, manual choke or electric choke	1.6	.45 - .55 30 - 45
Float level setting	Flush with rim of casting	Graham Tester Model 51	
Inlet needle seat	.065 - .062 Use #52 drill as gage	Maximum Secondary	Maximum Primary
Cooling system	Centri-matic (combination positive displacement and centrifugal pump)	Coil Index	Minimum Coil Test
Propeller gear ratio	12:21	Gap Index	
		4000	1.2 75 33 75

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