

# SPECIFICATIONS

Model Numbers	33002 - Standard length (15" transom) 33003 - 5" longer (20" transom) 33052 - Standard length (15" transom) 33053 - 5" longer (20" transom)	Propeller drive	Part Number 304575, 1/4" x 1-15/32" stainless steel		
Horsepower (B.I.A. certified)	33 hp at 4500 rpm	Propeller supplied with motor	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 13-1/4" pitch 3 blade, 10-3/8" dia. x 14" pitch 3 blade, 11" dia. x 9" 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 33002 - 130 lbs. Model 33003 - 133-1/2 lbs. Model 33052 - 140 lbs. Model 33053 - 144 lbs. (Fuel tank weight 11 pounds net)		
Piston displacement	40.5 cubic inches	Fuel capacity	6 gallons		
Piston ring sets (3 per set)		Starter	Ski-Twin - Simplex self-winding Ski-Twin Electric - Electric		
standard	Part Number 378436	Starter amperage draw while cranking	120 AMPS Max.		
.020" oversize	Part Number 378437	Ignition	Flywheel magneto		
.040" oversize	Part Number 378438	Spark plug	AC-M42K, Champion J4J, 14mm		
Diameter of ring	3.0625 in. (standard)	Spark plug gap	.030 inch		
Width of ring	.0935 - .0925 in.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds		
Lbs. compression recommended when compressed	6 to 9 lbs.	Breaker point	Gap .020 inch		
Piston less rings		Condenser Capacity	Part Number 580422 .25 - 29 Mfd.		
standard	Part Number 380566	Part No. 580416 Coil Test Specifications			
.020" oversize	Part Number 380557	Old Stevens Tester			
.040" oversize	Part Number 380558	Switch	Index Reading		
Crankshaft size		A	2.0 - 2.5		
Top journal	1.2500 - 1.2495	New Stevens Tester Model No. M.A.-75			
Center journal	1.000 - .9995	Switch	Index Adjustment		
Bottom journal	1.000 - .9995	A	24		
Connecting rod crank pin	1.1828 - 1.1823 in.	Merc-O-Tronic			
Carburetion	Single barrel, float feed, high- and low-speed adjustments, manual choke or electric choke	Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.	
Float level setting	Flush with rim of casting	1.4	.45 - .55	30 - 45	
Inlet needle seat	.065 - .062 Use #52 drill as gage	Graham Tester Model 51			
Cooling system	Centri-matic (combination positive displacement and centrifugal pump)	Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test
Propeller gear ratio	12:21	4200	1.2	75	33
					Gap Index
					70

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