

SPECIFICATIONS

Model Numbers	40R69 Rope Starting, Manual Shift, Standard Length 40RL69 (5" longer) 40E69 Electric Starting, Manual Shift, Standard Length 40EL69 (5" longer) 40ES69 Electric Shift 40ESL69 (5" longer) 40 hp at 4500 rpm	Speed control	Rope starting models - knob on steering bracket or remote control Electric starting models - remote control Synchronized throttle and spark on all models			
*Horsepower (O.B.C.-certified)		Gear shift control	Forward, neutral and reverse Models 40R69R, 40RL69R, 40E69R, 40EL69R - manual lever or remote control Models 40ES69L, 40ESL69R - electric remote control			
Full throttle operating range	4000 to 5000 rpm	Weight (without fuel tank)	Model 40R69 - 132 lbs. Model 40RL69 - 138 lbs. Model 40E69 - 143 lbs. Model 40EL69 - 149 lbs. Model 40ES69 - 154 lbs. Model 40ESL69 - 159 lbs. (Fuel tank weight 11 lbs. net)			
Tank test with test wheel	4300 rpm	Fuel capacity	6 gallons, suction type tank			
Engine type	2 cylinder, 2 cycle, alternate firing	Starter	Models 40R69, 40RL69 - self-rewinding rope Models 40E69, 40EL69 - electric and self-rewinding rope Models 40ES69, 40ESL69 - electric and emergency rope			
Bore and stroke	3-3/16" bore x 2-3/4" stroke	Starter amp draw when cranking	120 amperes maximum			
Piston displacement	43.9 cubic inches	Ignition	Flywheel magneto			
Piston ring sets (3 per set)		Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm			
standard	Part Number 380108	Spark plug gap	.030 inch			
.025" oversize	Part Number 380109	Spark plug torque	17-1/2 - 20-1/2 foot-pounds			
Diameter of ring	3.1875 in. (standard)	Breaker point gap	.020 inch			
Width of ring	.0935 - .0925 in.	Condenser Capacity	Part No. 580422 .25 - .29 mfd.			
Lbs. Compression recommended when compressed	7 to 10.4 lbs.	Part No. 580416 Coil Test Specifications Old Stevens Tester				
Piston less rings		Switch	Index Reading			
standard	Part Number 383068	A	2.0 - 2.5			
.025" oversize	Part Number 383069	New Stevens Tester Model No. M.A. - 75				
Crankshaft size		Switch	Index Adjustment			
top journal	1.2500 - 1.2495 in.	A	24			
center journal	1.000 - .9995 in.	Merc-O-Tronic				
bottom journal	1.000 - 9.995 in.	Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.		
Connecting rod crank pin	1.1828 - 1.1823 in.	1.6	.45 .55	30 45		
Carburetion	Float feed with adjustable low speed jet and fixed high speed jet. Spring loaded manual choke. Automatic and manual on electric starting models.	Graham Tester Model 51				
Float level setting	Remove float bowl, turn it upside down so weight of float closes needle; float should now be even with rim of casting.	Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Gap Index
Carburetor orifice plug	Hole size .064"	4000	1.2	75	33	75
Inlet needle seat	.065 - .062 Use a #52 drill as gage.					
Cooling system	Thermostatically controlled recirculating system					
Propeller gear ratio	12.21					
Propeller drive pin	Part No. 304575, 1/4" x 1-15/32" stainless steel					
Propeller	10-1/2" diameter x 12" pitch, 3-blade					
Alternate propellers	10-3/8" x 11-1/2" pitch 10-3/8" x 13-1/4" pitch 10-3/8" x 14" pitch					

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