SPECIFICATIONS

Model Numbers	40R71 - Standard length (15" transom)	Propeller options	3 blade, 10-3/8" dia. x 11-1/2"	
	40RL71 - 5" longer (20" transom)	Options	3 blade, 10-1/2" dia. x 12"	
	40E71 - Standard length (15" transom) 40EL71 - 5" longer (20" transom)		3 blade, 10-3/8" dia. x 14" pitch 3 blade, 11" dia. x 9" pitch	
Horsepower (B.I.A. certified)	40 hp at 4500 rpm	Speed control	Knob on steering bracket or remote control. Synchronized	
Full throttle operating range	4000 to 5000 rpm		throttle and spark	
Tank test with test wheel	4300 rpm Part Number 378566	Gear shift control	Forward, neutral, and reverse	
Engine type	2 cyl., 2 cycle, alternate firing	Weight (without fuel	Model 40R71 - 128.5 lbs. Model 40RL71 - 132 lbs.	
Bore and stroke	3-3/16" bore x 2-3/4" stroke	tank)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Piston displace-	43.9 cubic inches	Fuel capacity	6 gallons	
ment	non got)	Starter	40R71-40RL71 - Ready pull	
the negative and the	Part Number 384699 Part Number 384718		self-winding 40E71-40EL71 - Electric	
Diameter of ring	3.1875 in. (standard	Starter amperage while cranking	Starter amperage draw while cranking 120 AMP.	
Width of ring	Upper09000895 in. Lower06150625 in.	Ignition	Flywheel magneto	
Lbs. compression	Upper5 to 2.5 lbs.	Spark plug	AC-M42K, Champion J4J, 14mm .030 inch	
recommended when compressed	Lower - 4 to 8 lbs.	Spark plug gap		
Piston less rings standard	Part Number 384692	Spark plug torque	17-1/2 - 20-1/2 foot-pounds	
.030" oversize	Part Number 384715	Breaker point	Gap .020 inch	
Crankshaft size Top journal Center journal	1.2500 - 1.2495 1.0009995	Condenser Capacity	Part Number 580422 .25 - 29 Mfd.	
Bottom journal	1.0009995	Part No. 580416 Coil Test Specifications		
Connecting rod crank pin	1.1828 - 1.1823 in.	Old Stevens Tester		
Carburetion	Single barrel, float feed, high-	Switch	Index Reading	
	and low-speed adjustments, manual choke or electric choke	A 2.0 - 2.5		
Float level setting	Flush with rim of casting	New Stevens Tester Model No. M.A75		
Inlet needle seat	.065062 Use #52 drill as gage	Switch A	Index Adjustment 22	
Cooling system	Vari-Volume (combination posi-	Merc-O-Tronic		
	tive displacement and centrif- ugal pump)	Operating Primary Secondary Resistance Continuity Amperage Min. Max. Min. Max		
Propeller gear ratio	12:21	Amperage Min. Max. Min. Max 1.4 .4555 35 - 45		
Propeller drive	Part Number 304575, 1/4" x 1-15/32" stainless steel	Graham Tester Model 51 Maximum Maximum Coil Minimum Gap		
Propeller supplied	3 blade, 10-1/2" dia. x 13" pitch	Secondary Prima		
with motor	o and a sign of production	5500 1.2	75 33 70	

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

CLEARANCE CHART

Propeller shaft in .0020 Max0010 Min. front gear bushing
Rear reverse gear .0020 Max0005 Min. to rear bushing
Reverse gear .0015 Max0005 Min. bushing to propeller shaft
Propeller on shaft .007 Max003 Min. at drive pin
hole
Propeller on shaft .0069 Max0034 Min above the shoulder

TORQUE CHART

OWER HEAD		LOWER UNIT			
	100 - 105 Foot-pounds 348 - 372 Inch-pounds (29 - 31 Foot-pounds) 168 - 192 Inch-pounds 150 - 170 Inch-pounds 162 - 168 Inch-pounds 50 Inch-pounds 17-1/2 - 20-1/2 Foot-pounds 96 - 120 Inch-pounds (8 - 10 Foot-pounds)	Side mounts - upper and lower nuts Front mount - upper nut Pilot shaft to steering bracket screws Slip Clutch Prope *Pull at propeller shaft for tilt up lower units *Pull at propeller shaft to over- come reverse lock	eller 185 - 30 - 40 lbs.	ch-pounds ot-pounds) ch-pounds ot-pounds oot-pounds)	
When tightening two or more screws on the same part, DO NOT tighten screws completely, one at a time. To avoid distortion of the part, first tighten all screws together to one-third of specified torque, then to two-thirds of specified torque, then torque down completely. NOTE: Re-check torque on cylinder head screws and spark plugs after motor has been run, has reached operating temperature, and motor has cooled comfortable to touch.		STANDARD SCREWS			
		No. 6 No. 8 No. 10 No. 12 1/4" 5-16" 3/8"	7-10 15-22 25-35 35-40 60-80 120-140 220-240	2-3 3-4 5-7 10-12 18-20	

^{*}Standard length lower unit.