SPECIFICATIONS

Model Numbers	40R70 Rope Starting, Man- ual Shift, Standard Length	Speed contro	ol	Rope starting models - knob on steering bracket or re-		
	40RL70 (5" longer)			mote co		OI IC
	40E70 Electric Starting,				starting mod	lels -
	Manual Shift, Standard			remote		
	Length				ized throttle	and
	40EL70 (5" longer)				n all models	
	40ES70 Electric Shift	Gear shift			neutral and	
	40ESL70 (5" longer)	control			0R70, 40RL	
Horsepower	40 hp at 4500 rpm				40EL70 - ma	
(B.I.A.					remote con	
certified)					DES70, 40ES	
Full throttle	4000 to 5000 rpm				remote con	
operating		Weight (without		Model 40R70 - 134 lbs.		
range		fuel tank)		Model 40RL70 - 140 lbs.		
Tank test with	4300 rpm			Model 40E70 - 145 lbs.		
test wheel					EL70 - 151 1	
Engine type	2 cylinder, 2 cycle, alternate				ES70 - 156 1	
	firing				ESL70 - 162	
Bore and stroke	3-3/16" bore x 2-3/4" stroke				weight 11 1	
Piston displace-	43.9 cubic inches	Fuel capacit	tv	6 gallons.		105, nee
ment	iono cubic meneo	Starter		Models 40R70, 40RL70 -		
Piston ring sets (3 per set)				self-rewinding rope		
standard	Part Number 380108				DE70, 40EL7	
.025" oversize	Part Number 380109				and self-re	
Diameter of ring	3.1875 in. (standard)			rope	and bell ic	winding
Width of ring	.09350925 in.				DES70, 40ES	1.70 -
Lbs. Compression	7 to 10.4 lbs.			electric and emergency		
recommended				rope	und ontor Be	moy
when compressed		Starter amperage		120 amperes maximum		m
Piston less rings		draw when cranking			res maannu	
standard	Part Number 383068			magnoto		
.025" oversize	Part Number 383069			Flywheel magneto		
Crankshaft size	Fait Rumber 385005	Spark plug		AC-M42K, Champion J4J		
top journal	1.2500 - 1.2495 in.			- 14mm		
center journal	1.0009995 in.	Spark plug gap		.030 inch		
bottom journal	1.000 - 9.995 in.	Spark plug torque		17-1/2 - 20-1/2 foot-pounds		
Connecting rod	1.1828 - 1.1823 in.	Breaker point gap		.020 inch		
crank pin		Condenser		Part No. 580422		
Carburetion	Float feed with adjustable	Capacity		.2529 mfd.		
Carburcuon	low speed jet and fixed high	enphony				
	speed jet. Spring loaded	Part No. 580416 Coil Test Spec		Specificatio	ns	
	manual choke. Automatic	Old Stevens Tester		A second second second second	II.	
	and manual on electric	Old L		Sectoris rester		
	starting models.	Switch	1	In	dex Reading	
Float level	Remove float bowl, turn it					
setting	upside down so weight of	A		2.0 - 2.5		
setting	float closes needle; float					
	should now be even with	New Stevens Te		ster Model No. M.A 75		
	rim of casting.	Switch		Index Adjustment		
Carburetor	Hole size .064"			macr		_
orifice plug	Service and and and and a service service	A			24	
Inlet needle seat	.065062 Use a #52 drill	Merc				
and an other botte	as gage.			c-O-Troni	c	
Cooling system	Thermostatically controlled	Operating	Pri	mary	Second	arv
0 .	recirulating system	Amperage		stance	Contin	
Propeller gear	12.21		Min.	Max.	Min.	Max.
ratio				TACCINE		mark.
Propeller drive	Part No. 304575, 1/4" x	1.4	.45	.55	30	45
pin	1-15/32" stainless steel	1 110				
Propeller supplied	10-1/2" diameter x 12"	Graham Tester Model 51				
with motor	pitch, 3-blade				Compared and	
Alternate	10-3/8" x 11-1/2" pitch	Maximum]	Maximum	Coil	Minimum	Gap
propellers	10-3/8" x 13-1/4" pitch	Secondary	Primary	A CALENCE AND A	Coil Test	Index
	10-3/8" x 14" pitch					
	10-3/0 X 14 DILCH					

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

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