SPECIFICATIONS

Model Numbers	40002 (Big Twin, standard length) 40003 (Big Twin, 5" longer)	Alternate propellers		10-3/8" x 11-1/2" pitch 10-3/8" x 13-1/4" pitch 10-3/8" x 14" pitch		
	40052 (Big Twin Electric, standard length)	Speed control		11" x 9" Big Twin - Rope Only		
	40053 (Big Twin Electric, 5" longer)			or remo	steering brate control	
*Horsepower	40072 (Lark; standard length) 40073 (Lark; 5" longer) 40 hp at 4500 rpm		I	Remote	Electric and control nized throttl	
(B.I.A.	to the to to the term	-		spark	mzeu un otti	e and
certified)		Gear shift		Forward, neutral, reverse -		
Full throttle	4000 to 5000 rpm	control		Lark - Selectric push-		
operating				button remote control		
range		Weight (without		Model 40002 - 132 lbs.		
Tank test with	4300 rpm	fuel tank)		Model 40003 - 138 lbs.		
test wheel				Model 40052 - 143 lbs. Model 40053 - 149 lbs. Model 40072 - 154 lbs. Model 40073 - 159 lbs.		
Engine type	2 cylinder, 2 cycle, alternate firing					
Bore and stroke	3-3/16" bore x 2-3/4" stroke					
Piston displace-	43.9 cubic inches			(Fuel tank weight 11 lbs. net		
ment		Fuel capacity		6 gallons		
Piston ring sets (3 per set) standard Part Number 380108		Starter		Big Twin - Simplex self-		
.025" oversize	Part Number 380109	Starter		rewinding		
Diameter of ring	3.1875 in. (standard)			Big Twin Electric and Lark-		
Width of ring	.09350925 in.			Electric		
Lbs. Compression	7 to 10.4 lbs.					
recommended		Starter amperage		120 amperes maximum		
when compressed		draw when cranking				
Piston less rings		Ignition		Flywheel magneto		
standard	Part Number 383068	Spark plug		AC-M42K	Champion	T4 T
.025" oversize	Part Number 383069	oparn plug		AC-M42K, Champion J4J - 14mm		
Crankshaft size	1 0500 1 0105 1	Spark plug	gap .	030 inch		
top journal	1.2500 - 1.2495 in.	Spark plug torque		17-1/2 - 20-1/2 foot-pounds		
center journal	1.0009995 in. 1.000 - 9.995 in.	Breaker p		.020 inch		
bottom journal Connecting rod	1.1828 - 1.1823 in.	Condenser		Part No. 580422		
crank pin	1.1020 - 1.1025 111.	Capacity		.2529 mfd.		
Carburetion	Float feed with low-speed ad-	Dont 1	To 590416 C	Inil Toat	Chapification	
Carburetton	justment. Spring-loaded	Part No. 580416 Coil Test Specifications Old Stevens Tester				
	choke (Big Twin) or auto-	Switch A		Index Reading 2.0 - 2.5		
	matic choke and manual					
	lever (Big Twin Electric					
Float level	and Lark) Remove float bowl, turn it	New Stevens Tester Model No. M.A 75				
setting	upside down so weight of	Switch		Index Adjustment		
	float closes needle; float		CII	Inde/	Aujustiteit	_
	should now be even with	A		24		
	rim of casting.		Merc-O-Tronic			
Carburetor	Hole size .064"		MACIC	-0-11011	.c	
orifice plug				rimary Secondary		
Inlet needle seat	.065062 Use a #52 drill	Amperage	Resis		Continu	
	as gage.		Min.	Max.	Min.	Max.
Cooling system	Thermostatically controlled recirculating system	1.4	.45	.55	30	45
Propeller gear	12.21	Graham Tester Model 51				
ratio Propeller drive	Part No. 304575, 1/4" x	Maximum	Maximum	Coil	Minimum	1 Car
pin	1-15/32" stainless steel	Secondary	Primary	Index	Coil Test	Gap Index
	10-1/2" diameter x 12"	becondary	rimary	Index	Con rest	maex
Propeller supplied	10-1/2 diameter x 12					

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