

SPECIFICATIONS

Model	4W76 (Weedless gearcase) 4R76 (Standard gearcase)	Propeller gear ratio	17:28 (Weedless) 12:25 (Standard)			
*Horsepower (B.I.A. - certified)	4 hp at 4500 rpm	Propeller drive	Part Number 316558 1/8" x 1.234" stainless steel			
Full throttle operating range	4000 to 5000 rpm	Propeller	Standard - 7-1/2" dia x 6" pitch, 3 blade LEXAN Weedless - 6-1/4" dia x 6" pitch, 2 blade LEXAN			
Test tank rpm with test wheel	4100 rpm Part Number 316021 for 4W75 4550 rpm Part Number 317738 for 4R75	Speed control	Single lever, synchronized throttle and spark			
Engine type	2 cylinder, 2 cycle alternate firing	Weight	Weedless - 34.0 lbs. Standard - 32.3 lbs.			
Bore and stroke	1-9/16" bore x 1-3/8" stroke	Hi Lift vacuum fuel system	3 gal. tank and plug in hose			
Piston displacement	5.28 cubic inches	Fuel capacity	3 gallons			
Piston ring sets (2 per set) standard	Part Number 383920	Starter	Swing-Arm, self-rewinding			
.030" oversize	Part Number 384312	Ignition	Flywheel magneto			
Diameter of ring	1.563 in. (standard)	Spark plug	AC-M44C, Champion J6J, - 14mm			
Width of ring	.0625 - .0615 in.	Spark plug gap	.030 inch			
Lbs. compression recommended when compressed	1.3 to 2.8 lbs.	Spark plug torque	17-1/2 - 20-1/2 foot-pounds			
Piston and ring assembly standard	Part Number 384651	Breaker point gap	.020 inch			
.030" oversize	Part Number 384666	Condenser Capacity	Part Number 580321 .18 to .22 Mfd.			
Crankshaft size top journal	.7520 - .7515 in.	Coil	Part No. 580971			
center journal	.6854 - .6849 in.	COIL TEST SPECIFICATIONS				
bottom journal	.6854 - .6849 in.	Stevens Tester Model ST-75				
Connecting rod crank pin	.6255 - .6250 in.	Normal Polarity (Switch Setting Standard)		2.2		
Carburetion	Single barrel float feed, with high and low-speed adjustments manual choke	Stevens Tester Model No. M.A-75 or 80				
Float level setting	Parallel with casting	Switch	Index Adjustment			
Inlet needle seat	.053 - .050 Use a #55 drill as gage.	B	22			
Cooling system	Vari-volume (combination positive displacement and centrifugal pump).	Merc-O-Tronic				
		Operating Amperage	Primary Resistance Min. Max.	Secondary Continuity Min. Max.		
		1.6	.5 - .7	35 - 45		
		Graham Tester Model 51				
		Maximum Secondary	Maximum Primary	Coil Index	Minimum Coil Test	Max. Gap Index
		5500	1.2	75	33	75

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