

# SPECIFICATIONS

Model Numbers	40702 (Big Twin, standard length) 40703 (Big Twin, 5" longer) 40752 (Big Twin Electric, standard length) 40753 (Big Twin Electric, 5" longer) 40772 (Lark; standard length) 40773 (Lark; 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
*Horsepower (O.B.C.-certified)	40 hp at 4500 rpm	Speed control	Big Twin - Rope Only Knob on steering bracket or remote control Big Twin Electric and Lark - Remote control Synchronized throttle and spark
Full throttle operating range	4000 to 5000 rpm	Gear shift control	Forward, neutral, reverse - Lark - Selectric push-button remote control
Engine type	2 cylinder, 2 cycle, alternate firing	Weight (without fuel tank)	Model 40702 - 132 lbs. Model 40703 - 138 lbs. Model 40752 - 148 lbs. Model 40753 - 149 lbs. Model 40772 - 154 lbs. Model 40773 - 159 lbs. (Fuel tank weight 11 lbs. net)
Bore and stroke	3-3/16" bore x 2-3/4" stroke	Fuel capacity	6 gallons, suction type tank
Piston displacement	43.9 cubic inches	Starter	Big Twin - Simplex self-rewinding Big Twin Electric and Lark - Electric
Piston ring sets (3 per set)	standard Part Number 380108 .025" oversize Part Number 380109	Starter amp draw when cranking	120 amperes maximum
Diameter of ring	3.1875 in. (standard)	Ignition	Flywheel magneto
Width of ring	.0935 - .0925 in.	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm
Lbs. compression recommended when compressed	7 to 10.4 lbs.	Spark plug gap	.030 inch
Piston less rings standard	Part Number 380567	Spark plug torque	17-1/2 - 20-1/2 foot-pounds
.025" oversize	Part Number 381005	Breaker point gap	.020 inch
Crankshaft size top journal	1.2500 - 1.2495 in.	Condenser capacity	.25 - .29 mfd.
center journal	1.000 - .9995 in.	Carburetion	Float feed with low-speed adjustment. Spring-loaded choke (Big Twin) or automatic choke and manual lever (Big Twin Electric and Lark)
bottom journal	1.000 - .9995 in.	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.
Connecting rod crank pin	1.1828 - 1.1823 in.	Carburetor orifice plug	Hole size .064"
Cooling system	Thermostatically controlled recirculating system	Inlet needle seat	.065 - .062 Use a #52 drill as gage.
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		

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