

SPECIFICATIONS

Model Numbers	40302D, 40402R, 40402S (Big Twin, standard length) 40303D, 40403R, 40403S (Big Twin, 5" longer) 40352D, 40352DB, 40452R 40452RA, 40452S (Big Twin Electric, standard length) 40353D, 40353DB, 40453R, 40453RA, 40453S (Big Twin Electric, 5" longer) 40362D, 40362DA, 40362DB, 40372D, 40372DA, 40372DB, 40462R, 40462S, 40472R, 40472S (Lark, standard length) 40363D, 40363DA, 40363DB, 40373D, 40373DA, 40373DB, 40463R, 40463S, 40473R, 40473S (Lark, 5" longer)	Propeller	10-3/8" diameter x 13-1/4" pitch, 3-blade
*Horsepower (O.B.C.- certified)	40 hp at 4500 rpm	Alternate propellers	10-3/8" diameter x 14" pitch 10-3/8" diameter x 12-1/2" pitch 10-3/8" diameter x 11-1/2" pitch
Full throttle operating range	4000 to 5000 rpm	Speed control	Big Twins - Knob on steering bracket or remote control Lark - Remote control Synchronized throttle and spark
Engine type	2 cylinder, 2 cycle	Gear shift control	Forward, neutral, reverse - Lark - Selectric push-button remote control
Bore and stroke	3-3/16" bore x 2-3/4" stroke	Weight	Big Twin - 131 pounds, without fuel tank Big Twin Electric - 146 pounds, without fuel tank Lark - 160 pounds, without fuel tank (Fuel tank weight 12 pounds net)
Piston displace- ment	43.9 cubic inches	Fuel capacity	6 gallons, suction type tank
Piston ring sets (3 per set) standard Part Number 380108 .025" oversize Part Number 380109		Starter	Big Twin - Simplex self- rewinding Big Twin Electric and Lark- Electric
Diameter of ring	3.1875 in. (standard)	Starter amp draw when cranking	120 amperes maximum
Width of ring	.0935 - .0925 in.	Ignition	Flywheel magneto
Lbs. compression recommended when compressed	7 to 10.4 lbs.	Spark plug	AC-M42K, Champion J4J, Auto- Lite A21X - 14mm
Piston less rings standard Part Number 378695 .025" oversize Part Number 378697		Spark plug gap	.030 inch
Crankshaft size top journal 1.2500 - 1.2495 in. center journal 1.000 - .9995 in. bottom journal 1.000 - .9995 in.		Spark plug torque	20 - 20-1/2 foot-pounds
Connecting rod crank pin 1.1828 - 1.1823 in.		Breaker point gap	.020 inch
Cooling system	Thermostatically controlled recirculating system	Condenser capacity	.25 - .29 mfd.
Propeller gear ratio	12.21	Carburetion	Float feed with low-speed ad- justment. Spring-loaded choke (Big Twin) or automatic choke and manual lever (Big Twin Electric and Lark)
Propeller drive pin	Part No. 304575, 1/4" x 1-15/32" stainless steel	Float level setting	Remove float bowl, turn it up- side down so weight of float closes needle; float should now be even with rim of casting.
		Carburetor orifice plug	Hole size .068" (Models with - R suffix - .064")
		Inlet needle seat	.065 - .062 Use a #52 drill as gage.

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