

SPECIFICATIONS

Model Numbers	3502 (Lightwin, Standard length) 3503 (Lightwin, 5" longer) 3512 (Ducktwin) 3532 (Yachtwin, Standard length) 3533 (Yachtwin, 5" longer)	Propeller drive pin	Part Number 203230 1/8" x 13/16" stainless steel
*Horsepower (O.B.C.-certified)	3 hp at 4000 rpm	Propeller	Models 3532, 3533 - 8" diameter x 4-1/2" pitch, 3 blade Model 3512 - 6-1/8" diameter x 6-1/4" pitch, 2 blade
Full throttle operating range	3500 to 4500 rpm	Speed control	Single lever, synchronized throttle and spark
Engine type	2 cylinder, 2 cycle, alternate firing	Weight	Models 3502, 3512 35 lbs. Model 3503 35-1/2 lbs. Model 3532 35-1/2 lbs. Model 3533 36 lbs.
Bore and stroke	1-9/16" bore x 1-3/8" stroke	Fuel capacity	0.7 gallons, gravity feed tank
Piston displacement	5.28 cubic inches	Starter	Eas-A-Matic, self-rewinding
Piston ring sets (2 per set) standard .020" oversize	Part Number 378412 Part Number 378414	Ignition	Flywheel magneto
Diameter of ring	1.563 in. (standard)	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm
Width of ring	.0935 - .0925 in.	Spark plug gap	.030 inch
Lbs. compression recommended when compressed	2 to 3-1/2 lbs.	Spark plug torque	20 - 20-1/2 foot-pounds
Piston less rings standard .020" oversize	Part Number 376991 Part Number 277283	Breaker point gap	.020 inch
Crankshaft size top journal center journal bottom journal	.6854 - .6849 in. .6854 - .6849 in. .6854 - .6849 in.	Condenser capacity	.18 to .22 Mfd.
Connecting rod crank pin	.6255 - .6250 in.	Carburetion	Single barrel float feed, with low-speed adjustment
Cooling system	Centri-matic (combination positive displacement and centrifugal pump).	Float level setting	Flush with casting
Propeller gear ratio	17:28 Lightwin 12:25 Yachtwin	Carburetor orifice plug	Hole size .029
		Inlet needle seat	.065 - .062 Use a #52 drill as gage.

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