

## SPECIFICATIONS

Model Numbers	3302S, 3402R, 3402S (Lightwin, Standard length) 3303S, 3403R, 3403S (Lightwin, 5" longer) 3312S, 3412R, 3412S (Ducktwin) 3432R, 3432S (Yachtwin, Standard length) 3433R, 3433S (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	8" diameter x 4-1/2" pitch, 3 blade (Models 3302, 3303, 3402, 3403, 3432, 3433) 6-1/8" diameter x 6-1/4" pitch, 2 blade (Models 3312, 3412)
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 3302S, 3402R, 3402S, 3312S, 3412R, 3412S 34-1/2 lbs. Models 3303S, 3403R, 3403S 36-1/2 lbs. Models 3432R, 3432S 35 lbs. Models 3433R, 3433S 37 lbs.
Bore and stroke	1-9/16" bore x 1-3/8" stroke	Fuel capacity	0.7 gallons, gravity feed tank
Piston displace- ment	5.28 cubic inches	Starter Ignition	Eas-a-Matic, self-rewinding Flywheel magneto
Piston ring sets (2 per set) standard .020" oversize	Part Number 378412 Part Number 378414	Spark plug	AC-M42K, Champion J4J, Auto- Lite A21X - 14mm
Diameter of ring	1.563 in. (standard)	Spark plug gap	.030 inch
Width of ring	.0935 - .0925 in.	Spark plug torque	20 - 20-1/2 foot-pounds
Lbs. compression recommended when com- pressed	2 to 3-1/2 lbs.	Breaker point gap	.020 inch
Piston less rings standard .020" oversize	Part Number 376991 Part Number 277283	Condenser capacity	.18 to .22 Mfd.
Crankshaft size top journal center journal bottom journal	.6854 - .6849 in. .6854 - .6849 in. .6854 - .6849 in.	Carburetion	Single barrel float feed, with low-speed adjustment
Connecting rod crank pin	.6255 - .6250 in.	Float level setting	Flush with casting
Cooling system	Centri-matic (combination positive displacement and centrifugal pump).	Carburetor orifice plug	Hole size .028 - (1964 Models) .030 - (1963 Models)
Propeller gear ratio	17:28 Lightwin 12:25 Yachtwin	Inlet needle seat	.065 - .062 Use a #52 drill as gage.

\*Horsepower established at sea level. Allow 2% re-  
duction per 1000' above sea level.