

SPECIFICATIONS

Model Numbers	55974 (standard length) 55975 (5" (127 mm) longer)	Idle orifice plug	
*Horsepower (B.I.A.-certified) . . .	55 hp (38.9 kW) at 5500 rpm	Top carburetor (Standard length Part no. model)	325829 0.042" (1.06 mm)
Full throttle operating range . . .	5000 to 6000 rpm	Top carburetor (Long shaft Part no. model)	325827 0.044" (1.12 mm)
	NOTE	Bottom carburetor Part no. (Both models)	325825 0.043" (1.09 mm)
	The recommended full power operating range for this outboard motor is from 5000 - 6000 rpm. In order to get the best performance, the upper end of this range, from 5500 - 6000 rpm is the engine speed to use selecting the proper propeller. The rpm should be measured with your expected average load in the boat.	Off-idle orifice plug	
Tank test with test wheel		Top carburetor Part no.	324698 0.037" (0.94 mm)
Part No. 387635	5300 rpm	Bottom carburetor Part no.	323703 0.036" (0.91 mm)
Idle speed	1000-1100 rpm (neutral) 700-750 rpm (in gear)	Inlet needle set .	0.065" - 0.062" (1.65 - 1.57 mm) Use a #52 drill as gage.
Engine type	2 cycle, 2 cylinders in line	Cooling system	Temperature and pressure controlled system
Bore and stroke	3.1875" bore x 2.820" stroke (80.96 x 71.63 mm)	Propeller gear ratio	12:29
Piston displacement	45.0 cu. in. (737 cm ³)	Propeller supplied with motor (Aluminum)	3 blade 11-3/4 dia. x 17" pitch
Piston ring sets		Alternate propellers (Aluminum) 3 blade,	13" dia. x 11" pitch
(2 per set) standard Part No. 385798		(Aluminum) 3 blade, 12-1/2" dia. x 13" pitch	
0.030" oversize Part No. 385799		(Aluminum) 3 blade, 11-3/4" dia. x 17" pitch	
Diameter of ring	3.1875" (standard)	(Aluminum) 3 blade, 11-1/2" dia. x 19" pitch	
Width of ring		(SST) 3 blade, 12-1/2" dia. x 13" pitch	
Upper, Part No. 318411	0.0900" - 0.0895" (2.286 - 2.273 mm)	(SST) 3 blade, 12-1/4" dia. x 15" pitch	
Lower, Part No. 318412	0.0625" - 0.0615" (1.588 - 1.562 mm)	(SST) 3 blade, 11-3/4" dia. x 17" pitch	
Piston without rings		(SST) 3 blade, 11-1/4" dia. x 19" pitch	
Standard Part No. 386094		Speed control Remote control synchronized	throttle and spark
0.030" oversize Part No. 386097		Gear shift control Forward, neutral,	reverse - remote control
Crankshaft size		Weight	(without fuel tank) . . Standard - 180 lbs. (81.6 kg), Long - 187 lbs. (84.8 kg)
Top journal	1.4979" - 1.4974" (38.047 - 38.034 mm)	(Fuel tank weight 11 lbs. (5.0 kg) net)	
Center journal	1.3752" - 1.3748" (34.930 - 34.920 mm)	Fuel capacity	6 gallons (22.7 litres)
Bottom journal	1.1815" - 1.1810" (30.010 - 29.997 mm)	Starter	Electric with emergency rope
Connecting rod crank pin	1.1828" - 1.1823" (30.043 - 30.030 mm)	Electrical system	5 amp alternating current generator
Carburetion	2 carburetors - Float feed. Manual and remote control choke	Starter amp draw when cranking	
Float level setting	Between notches on gage No 324891	(Prestolite)	160 amperes maximum
High speed orifice plug Part No. 319831		(Bosch)	110 amperes maximum
Hole size 0.059" (1.50 mm)		Ignition (Magneto breakerless C.D.)	CD-2
		Timing	19° @ 3500 minimum rpm in gear
		Spark plug	Champion L77J4 or AC M40FFX
		Spark plug torque	17-1/2 - 20-1/2 ft.-lbs. (24-27 N·m)
		Spark plug gap	0.040" (1.0 mm)
		Ignition coil	Part No. 581997

*Horsepower at sea level. Allow 2% reduction per 1000' (300 m) above sea level.

IGNITION COIL TEST SPECIFICATIONS

Stevens Model ST-75	Primary Resistance	0.1 Ohm or less
Reverse Polarity (Switch Setting CD)	Secondary Continuity	5-6
Stevens Tester Model M.A.-75 or M.A.-80	Graham Tester Model 51	
Switch A (Use Model CD-1 Adapter - Red test clip to orange/black - Black test clip to orange)	Maximum Secondary	1,000 ohms
Index Adjustment	Maximum Primary5 ohm
	Coil Index	50
Merc-O-Tronic with	Coil Test Minimum Amplified	17
Capacitor Discharge Adapter Model 55-980	(With secondary circuit "open")	
Operating Amperage	Hi tension lead disconnected	
	Gap Index	50 (Coil must fire sprak gap on tester at this setting)