

SPECIFICATIONS

Model Numbers	100882 (15" transom) 100883 (20" transom)	Weight, less fuel tank	Model 100882 - 265 lbs. Model 100883 - 267 lbs.
*Horsepower O.B.C.-certified)	100 hp at 5000 rpm	Fuel tank	11 lbs. net
Full throttle operating range	4000 to 5000 RPM 5500 RPM under limited conditions	Fuel capacity	6 gallons, suction type tank
Engine type	90° V-type 4 cylinder, 2 cycle	Electrical system	Alternating current generator
Bore and stroke	3-3/8" bore x 2-1/2" stroke	Starter	Electric and emergency rope
Piston displacement	89.5 cubic inches	Starter amp draw when cranking	Maximum 140 amp
Piston ring sets (3 per set)		Ignition	All electronic CD breakerless
standard	Part Number 380110	Spark plug	Champion L19V
.020" oversize	Part Number 380111	Spark plug torque	17-1/2 - 20-1/2 foot-pounds
.040" oversize	Part Number 380112	Distributor sensor air gap	.028"
Diameter of ring	3.375 in. (standard)	Part No. 381886 Pulse Transformer Test Specification	
Width of ring	.0935 - .0925 in.	Graham Tester Model 51	
Lbs. compression recommended when compressed	9.7 to 13.7 lbs.		
Piston less rings			
standard	Part Number 380569		
.020" oversize	Part Number 378814		
.040" oversize	Part Number 378815		
Crankshaft size			
top journal	1.2658 - 1.2653 in.		
center journal	1.3752 - 1.3748 in.		
bottom journal	1.1815 - 1.1810 in.		
Connecting rod crank pin	1.1828 - 1.1823 in.		
Cooling system	Thermostatically controlled recirculating system		
Propeller gear ratio	16:28		
Propeller drive pin	Part #310956 - .366 x 2-9/16 stainless steel		
Speed control	Remote control		
Gear shift control	Forward, neutral, reverse - Selectric push-button remote control		
Standard propeller	Part No.	No. of Blades	Diam- Pitch eter
	381020	3	12-1/2" x 16"
	381296	3	14-1/4" x 10"
	381297	3	14-1/4" x 11"
Propeller options	380187	3	14-1/4" x 12"
	381442	3	13" x 14"
	381021	3	12-1/2" x 18"
Cupped	381464	2	13" x 18"
	381465	2	13" x 18"

Secondary Continuity	Primary Continuity	Coil Index	Coil Test Normal	Coil Test Amplified	Gap Index
1500 ohms Max.	.65 ohm Max.	65	4 Min.	44 Min.	50 Max.

Merc-O-Tronic with Capacitor Discharge Adaptor		
Operating Amperage	Primary	Secondary Resistance
.6 Min. - .9 Max.	0	.390 Min. - .410 Max.

Carburetion	Four-barrel, with straight line manifold, float feed, low-speed adjustment, automatic hot air choke
Float level setting	Use Float Gauge Part Number 380546
Carburetor orifice plug	Hole size .062
Inlet needle seat	.050" to .053". Use a #55 drill as gage

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

**This propeller may be exchanged on special order at extra cost.