

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)	standard Part Number 380110 .020" oversize Part Number 380111 .040" oversize Part Number 380112			Ignition	All electronic CD breakerless					
Diameter of ring	3.375 in. (standard)			Spark plug	Champion L19V					
Width of ring	.0935 - .0925 in.			Spark plug torque	17-1/2 - 20-1/2 foot-pounds					
Lbs. compression recommended when compressed	9.7 to 13.7 lbs.			Distributor sensor air gap	.028"					
Piston less rings standard	Part Number 380569			Part No. 381886 Pulse Transformer Test Specification						
.020" oversize	Part Number 378814			Graham Tester Model 51						
.040" oversize	Part Number 378815									
Crankshaft size top journal	1.2658 - 1.2653 in.			Secondary Continuity	Primary Continuity	Coil Index	Coil Test Normal	Coil Test Amplified	Gap Index	
center journal	1.3752 - 1.3748 in.			1500 ohms Max.	.65 ohm Max.	65	4 Min.	44 Min.	50 Max.	
bottom journal	1.1815 - 1.1810 in.			Merc-O-Tronic with Capacitor Discharge Adaptor						
Connecting rod crank pin	1.1828 - 1.1823 in.			Operating Amperage		Primary	Secondary Resistance			
Cooling system	Thermostatically controlled recirculating system			.6 Min. - .9 Max.		0	.390 Min. - .410 Max.			
Propeller gear ratio	16:28			Carburetion						
Propeller drive pin	Part #310956 - .366 x 2-9/16 stainless steel			Four-barrel, with straight line manifold, float feed, low-speed adjustment, automatic hot air choke						
Speed control	Remote control			Float level setting						
Gear shift control	Forward, neutral, reverse - Selectric push-button remote control			Use Float Gauge Part Number 380546						
	Part No.	No. of Blades	Diameter	Pitch	Carburetor orifice plug					
Standard propeller	381020	3	12-1/2"	x 16"	Hole size .062					
	381296	3	14-1/4"	x 10"	Inlet needle seat					
	381297	3	14-1/4"	x 11"	.050" to .053". Use a #55 drill as gage					
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"						

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

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