

SPECIFICATIONS

Model Numbers	100683 (20" transom) 100693 (20" transom)	Propeller	Part No.	No. of Blades	Diameter	Pitch
*Horsepower (O. B. C. - certified)	100 hp at 5000 rpm		381296	3	14-1/4"	10"
Full throttle operating range	4500 to 5500 rpm		381297	3	14-1/4"	11"
Engine type	90° V-type 4 cylinder, 2 cycle		380187	3	14-1/4"	12"
Bore and stroke	3-3/8" bore x 2-1/2" stroke		381442	3	13"	14"
Piston displacement	89.5 cubic inches		381020	3	12-1/2"	16"
Piston ring sets (3 per set)			381021	3	12-1/2"	18"
standard	Part Number 380110	Cupped	381464	2	13"	18"
.020" oversize	Part Number 380111		381465	2	13"	18"
.040" oversize	Part Number 380112					
Diameter of ring	3.375 in. (standard)	Weight (without fuel tank)	Models 100683, 100693 272-1/2 pounds (Fuel tank weight 12 pounds net)			
Width of ring	.0935 - .0925 in.	Fuel capacity	6 gallons, suction type tank			
Lbs. compression recommended when compressed	9.7 to 13.7 lbs.	Electrical system	Alternating current generator - Maximum output 20 amp at 2500 rpm - 5 amp output at idle			
Piston less rings		Starter	Electric			
standard	Part Number 380569	Starter amp draw when cranking	Maximum 140 amp			
.020" oversize	Part Number 378814	Ignition	Automotive type battery and distributor system			
.040" oversize	Part Number 378815	Spark plug	AC-M42K, Champion J4J, Auto-Lite A21X - 14mm			
Crankshaft size		Spark plug gap	.030 inch			
top journal	1.2658 - 1.2653 in.	Spark plug torque	20 - 20-1/2 foot-pounds			
center journal	1.3752 - 1.3748 in.	Breaker point gap	.020 inch			
bottom journal	1.1815 - 1.1810 in.	Condenser capacity	.37 - .41 mfd.			
Connecting rod crank pin	1.1828 - 1.1823 in.	Carburetion	Four-barrel, with straight line manifold, float feed, low-speed adjustment, automatic hot air choke			
Cooling system	Thermostatically controlled recirculating system	Float level setting	Use Float Gauge Part Number 380546			
Propeller gear ratio	16:28	Carburetor orifice plug	Hole size .070"			
Propeller drive pin	Part #310956	Inlet needle seat	.050" to .053". Use a #55 drill as gage			
Speed control	Remote control, synchronized throttle and spark					
Gear shift control	Forward, neutral, reverse - Selectric push-button remote control					

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