

SPECIFICATIONS

Model Numbers 20R73-Standard length (15" transom)
 20RL73 - 5" longer (20" transom)

*Horsepower (B.I.A.-certified) 20 hp at 4500 rpm

Full throttle operating range 4000 to 5000 rpm

Tank test with test wheel Part Number 376913 4650 rpm

Engine type 2 cylinder, 2 cycle, alternate firing

Bore and stroke 2-1/2" bore x 2-1/4" stroke

Piston displacement 22.0 cubic inches

Piston ring sets (2 per set) standard Part Number 385349
 .030" oversize Part Number 385350

Diameter of ring 2.5000 in. (standard)

Width of ring Upper .0900 - .0895 in.
 Lower .0625 - .0615 in.

Lbs. compression recommended
 when compressed Upper 2 to 5 lbs.
 Lower 3 to 5-1/2 lbs.

Piston and rings standard Part Number 385338
 .030" oversize Part Number 385348

Crankshaft size
 Top journal 1.0000 - .9995 in.
 Center journal 1.0000 - .9995 in.
 Bottom journal 1.0000 - .9995 in.

Connecting rod crank pin 1.0005 - 1.0000 in.

Carburetion Single barrel, float feed, low-speed adjustment

Float level setting Parallel to and 1/16 above gasket surface

Carburetor orifice plug 309935068

Inlet needle seat065" - .062" Use a #52 drill as a gage

Cooling system .. Vari-Volume (combination positive displacement and centrifugal pump). Thermostatically controlled by-pass system

Propeller gear ratio 12:21

Propeller drive pin Part Number 307949 3/16" x 1-25/64" stainless steel

Propeller, supplied with motor 3 blade, 9" dia. x 10" pitch

Propeller, optional 3 blade, 9" dia. x 9" pitch

Propeller, optional 3 blade 9" dia. x 10" pitch weedless

Speed control Twist grip, synchronized throttle and spark

Gear shift control Forward, neutral and reverse

Weight (less fuel tank) 20R73-86 lbs, 20RL73-88 lbs.

Fuel tank (net) 11 lbs.

Fuel capacity 6 gallons

Starter Manual Self-rewinding

Ignition Low tension magneto

Spark Plug Champion UJ4J, - 14 mm

Spark plug gap030 inch

Spark plug torque 17-1/2 - 20-1/2 Foot-pounds

Breaker point gap020 inch

Condenser Part Number 580422
 Capacity25 - .29 Mfd.

Driver coil resistance80 ± .05 ohm

Ignition Coil Part No. 581124 Test Specifications -

Stevens Tester Model No. M.A.-75 or M.A.-80

Switch	Index Adjustment
A	16

Merc-O-Tronic

Operating Amperage	Primary Resistance		Secondary Continuity	
	Min.	Max.	Min.	Max.
1.0	.45	.6	45	55

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