
SPECIFICATIONS

	85 H.P. (ALL) AND 90 H.P. (1990 A MODELS)	125 H.P. (ALL) AND 120 H.P. (1990 A MODELS)
B.I.A. H.P.	85 H.P. @ 5000 RPM 90 H.P. @ 5000 RPM	125 H.P. @ 5000 RPM 120 H.P. @ 5000 RPM
Recommended Operating Range	4500 — 5500 RPM	4500 — 5500 RPM
Idle RPM In Gear	750 RPM	750 RPM
Test Wheel	TA-8999 w/plugs	TA-8999 w/plugs
Engine Type	Two cycle, three cylinder	Two cycle, four cylinder
Firing Order	1, 2, 3	1, 3, 2, 4
Bore And Stroke	3.3125 x 2.80 in. (8.42 x 7.11 cm)	3.3125 x 2.80 in. (8.42 x 7.11 cm)
Displacement	72.4 cu. in. (1186 cc)	99.2 cu. in. (1626 cc)
Compression	125 — 145 PSI 8.8 — 10.2 kg/cm ²	125 — 145 PSI 8.8 — 10.2 kg/cm ²
Spark Plug	Champion UL-18V-USA Champion QL-76V-Canada	Champion UL-18V-USA Champion QL-76V-Canada
Spark Plug Gap	Not Adjustable	Not Adjustable
Point Gap	Breakerless	Breakerless
Timing @ Wide Open Throttle (5000 RPM)	30° BTDC	30° BTDC

SPECIFICATIONS

	90 H.P. (1990 B MODELS TO 1991 A MODELS)	120 H.P. (1990 B MODELS) TO 1991 A MODELS)
B.I.A. H.P.	90 H.P. @ 5250 RPM	120 H.P. @ 5250 RPM
Recommended Operating Range	5000 — 5500 RPM	5000 — 5500 RPM
Idle RPM In Gear	750 RPM	750 RPM
Test Wheel	TA-8999 w/plugs*	TA-8999 w/plugs*
Engine Type	Two cycle, three cylinder	Two cycle, four cylinder
Firing Order	1, 2, 3	1, 3, 2, 4
Bore And Stroke	3.375 x 2.80 in. (8.57 x 7.11 cm)	3.375 x 2.876 in. (8.57 x 7.31 cm)
Displacement	75.1 cu. in. (1230 cc)	102.9 cu. in. (1686 cc)
Compression	135 — 155 PSI (9.5 — 10.9 kg/cm ²) (#1 Cyl.) 145 — 160 PSI (10.2 — 11.2 kg/cm ²) (#2, #3 Cyl.)	145 — 165 PSI (10.2 — 11.6 kg/cm ²)
Spark Plug	Champion UL-18V-USA Champion QL-76V-Canada	Champion UL-18V-USA Champion QL-76V-Canada
Spark Plug Gap	Not Adjustable	Not Adjustable
Point Gap	Breakerless	Breakerless
Timing @ Wide Open Throttle (5000 RPM)	32° BTDC	32° BTDC

* Not applicable to engines with dual-port exhaust

CAPACITIES

Gear Housing 26 ounces (.78 liters)

ELECTRICAL

Type 12 volt negative ground

Alternator Output 1.0 amp (min.) @ 1000 RPM (cut-in speed 800 RPM).
7 amp (max.) @ 3500 RPM
(Above readings w/battery voltage @ 12.5 volts).

Starter Performance Cranking speed, full compression 300 RPM (min.).
Cranking current draw 165 amps max.
