

SPECIFICATIONS

ENGINE SPECIFICATIONS

B.I.A. H.P.	3.5 @ 4500 RPM 4 @ 5250 RPM	Bore and Stroke	2" x 1-19/32" (5.08 x 3.90 cm)
I.S.O Power	2.8 KW @ 5250 RPM	Displacement	5.00 cu in. (41 cc)
Recommended Operating Range	4000-5000 (3.5) 4750-5750 (4)	Compression	115-130 PSI (7.7 - 8.75 kg/cm)
Idle RPM in Gear	800-1000 RPM (Engine tank tested using propeller not test wheel)	Spark Plug	Champion L-86 - U.S.A. Champion RL-86 - Canada
Engine Type	2 Cycle, 1 Cylinder	Spark Plug Gap	.030" (0.76 mm)
		Point Gap	.020" (0.50 mm)

TORQUE CHART

SPECIAL ITEMS		STANDARD HARDWARE	
Flywheel Screw	17 ft. lbs. (2.4 kg/m)	Screw or Nut Size	
Connecting Rod Screw	80 in. lbs. (92 kg/cm)	6-32	9 in. lbs. (10 kg/cm)
Stern Bracket Bolt	180 in. lbs. (207 kg/cm)	8-32	20 in. lbs. (23 kg/cm)
Fuel Tank Screws	90 in. lbs. (104 kg/cm)	10-24	30 in. lbs. (34 kg/cm)
Gear Housing Plug, Lower	40-50 in. lbs. (46-58 kg/cm)	10-32	35 in. lbs. (40 kg/cm)
Gear Housing Plug, Upper	30 in. lbs. (35 kg/cm)	12-24	45 in. lbs. (51 kg/cm)
Gear Housing to Motor Leg Bolts	110 in. lbs. (126 kg/cm)	1/4-20	70 in. lbs. (80 kg/cm)
Cylinder Head Bolts	130 in. lbs. (150 kg/cm)	5/16-18	160 in. lbs. (184 kg/cm)
Spark Plug	120-180 in. lbs. (138-207 kg/cm)	3/8-16	270 in. lbs. (310 kg/cm)

CAPACITIES

Gear Housing	4 oz. (0.12 litres)
Fuel Tank	4 pt. (2 litres)

ELECTRICAL SPECIFICATIONS LIGHTING COIL OUTPUT

1.0 AMP (Min.) @ 2000 RPM
3.5 AMP (Min.) @ 4000 RPM
Lighting Coil Cut-In RPM - 1000 RPM Max.

Use the Correct Main Fuel Jet to Compensate for Altitude Horsepower		
MAIN FUEL JET PART NUMBER	SIZE	ALTITUDE
10096 (STD.)	.039	Seal Level — 3,000 ft.
10093	.038	3,000 - 5,000 ft.
10086	.037	5,000 - 7,000 ft.
10094	.036	7,000 ft. & up

Table 6. Main Fuel Jet Sizes.