

# ADVENTURER ONE GAS & ELECTRIC SPECIFICATIONS

## DIMENSIONS

OVERALL LENGTH	104.7 in (2660 mm)
OVERALL WIDTH	48.9 in (1243 mm)
OVERALL HEIGHT (No Suntop)	47.1 in (1198 mm)
WHEELBASE	64.4 in (1637 mm)
FRONT WHEEL TREAD	34.7 in (883 mm)
REAR WHEEL TREAD	38.6 in (980 mm)
MINIMUM GROUND CLEARANCE	4.8 in (123 mm)

## POWER SUPPLY / DRIVE TRAIN (Gas)

ENGINE TYPE	Yamaha-built, low-emission single cylinder 60° incline OHV
DISPLACEMENT	357 cc
BORE x STROKE	85 x 63 mm
HORSEPOWER	11.4 hp (8.5 Kw/3500 rpm)
COMPRESSION RATIO	8.1:1
LUBRICATION SYSTEM	Splash-style positive oil lubrication
OIL CAPACITY	1 U.S. quart (1 liter, 1000 cc)
AIR CLEANER	Two-stage, urethane-foam pre-cleaner and high-capacity pleated paper cartridge
COOLING SYSTEM	Forced air
CARBURETOR	Mikuni BV26-18
IGNITION SYSTEM	Transistor magneto ignition
TRANSAXLE	EnduraDrive™ V-belt automatic forward/reverse transaxle equipped with high-precision helical gears, 12.49:1 drive axle ratio

## POWER SUPPLY / DRIVE TRAIN (Electric)

MOTOR	Hitachi 48-volt high-efficiency, shunt wound motor with internal solid state tachometer
OUTPUT RATING	3.5 hp (2.6 kW) for 30 minutes
MOTOR CONTROL UNIT	Yamaha-built solid state microprocessor with high-efficiency MOSFET switching, 270 amp armature output, 20 amp field output
TRANSAXLE	EnduraDrive™ direct coupled transaxle equipped with high-precision helical gears, 12.49:1 drive axle ratio
BATTERIES	Six 8-volt Trojan T875 Batteries
CHARGER	Yamaha-built automatic microprocessor-based high frequency switching-regulated charger with I.E.I.-type charging profile, an industry first. 17 amp DC max output at 48 volts, 9.5 amp 120 volt AC. Underwriters Laboratories (U.L.) Listed. C.S.A. Certified

## CHASSIS

FRAME	HybriCore™ Chassis features a robotically welded automotive ladder-style frame mated to a polypropylene structural floor. Frame components are protected with a multi-step full-immersion phosphate treatment, electro-deposition epoxy-based coating, and an electrostatically applied polyester/urethane powder topcoat
BODY	Custom-formulated thermoplastic olefin and the front is painted with a two-part top coat of high-luster automotive-grade polyurethane
STEERING	Self-compensating double reduction helical rack-and-pinion, permanently lubricated with sealed, greaseless tie-rod ends
FRONT SUSPENSION	Tru-Trak II™ fully independent automotive-style strut suspension
REAR SUSPENSION	Unit swing arm with coil springs over hydraulic shock absorbers
BRAKES	Maintenance-free internal transaxle disc brake
SEATING	Seamless, fabric-backed vinyl bonded to pure, virgin foam contoured seat cushions and mated to a warp- and moisture-resistant polypropylene bottom, strengthened with plated steel inserts
BUMPERS	Front 5 mph energy-absorbing bumper

## PERFORMANCE

MAX FORWARD SPEED (Gas)	15 mph (24 km/h)
MAX FORWARD SPEED (Electric)	19 mph (30.5 km/h) With optional speed kit.
MAX REVERSE SPEED (Gas)	11.4 mph (18.4 km/h)
MAX REVERSE SPEED (Electric)	5 mph (8.1 km/h)
TURNING RADIUS	9.2 ft (2.8 m)

## GENERAL

DRY WEIGHT (Gas)	756 lbs (343 kg)
DRY WEIGHT (Electric Less Batteries)	737 lbs (334 kg)
CARGO BOX MATERIAL	Roto-molded linear polyethylene
CARGO BED CAPACITY	300 lbs (136 kg)
CARGO BED SIZE (LxWxH)	29.3 in (744 mm) x 46.0 in (1168.8 mm) x 10.0 in (254 mm)
CARGO BED LOAD HEIGHT	27.3 in (695 mm)
FUEL TANK CAPACITY (Gas Only)	5.8 U.S. gal (22.0 liters)
TIRE SIZE	18.00 x 8.50-8.00 (4-ply rating)
SEATING CAPACITY	2 persons
AVAILABLE PAINT COLORS	STANDARD: Tortuga OPTIONAL: Glacier, Garnet, Tanzanite, Anthracite Metallic, Onyx Metallic, Sandstone Metallic
AVAILABLE SEAT COLOR	Stone

## WARRANTY

WARRANTY	Standard 2-year limited vehicle warranty
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