

# THE DRIVE® PSV (PERSONAL SECURITY VEHICLE) GAS & ELECTRIC SPECIFICATIONS

## DIMENSIONS

OVERALL LENGTH	115.0 in (2921 mm)
OVERALL WIDTH	55.0 in (1397 mm)
OVERALL HEIGHT	74.5 in (1892 mm)
WHEELBASE	64.6 in (1641 mm)
MIN. GROUND CLEARANCE	4.3 in (109 mm)

## POWER SUPPLY / DRIVE TRAIN (Gas)

ENGINE TYPE	Yamaha-built, low-emission single cylinder 60° incline OHV
DISPLACEMENT	357 cm <sup>3</sup>
HORSEPOWER	11.4 hp (8.5 Kw/3500 rpm)
LUBRICATION SYSTEM	Splash-style positive oil lubrication
COOLING SYSTEM	Forced air
CARBURETOR	Mikuni BV26-18
TRANSAXLE	EnduraDrive™ V-belt automatic forward/reverse transaxle equipped with high-precision helical gears, 11.40:1 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	Eight 6-volt Trojan T105 Lead Acid 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 steel 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 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 and rear 5 mph energy-absorbing bumpers

## PERFORMANCE

MAX FORWARD SPEED (Gas)	15 mph (24 km/h)
MAX FORWARD SPEED (Electric)	STANDARD: 15 mph (24 km/h) OPTIONAL: 19 mph (30.5 km/h) with speed kit.
TURNING RADIUS	9.2 ft (2.8 m)

## GENERAL

DRY WEIGHT (Gas)	828 lbs (376 kg)
DRY WEIGHT (Electric less batteries)	815 lbs (370 kg)
CARGO BOX MATERIAL	Roto-molded linear Polyethylene
CARGO BED CAPACITY	250 lbs (113 kg)
CARGO BED SIZE (LxWxH)	29.4 in (747 mm) x 46.0 in (1167 mm) x 12.8 in (324 mm)
FUEL TANK CAPACITY (Gas only)	5.8 U.S. gal (22.0 liters)
TIRE SIZE	18.50 x 8.50-8.00 (6-ply rating)
SEATING CAPACITY	2 persons
AVAILABLE BODY COLORS	Glacier, Onyx Metallic
AVAILABLE CAB COLORS	Black Cab with White Doors
AVAILABLE SEAT COLOR	Stone

## WARRANTY

WARRANTY	Standard 2-year limited vehicle warranty
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