

# Yamaha 8-Passenger Shuttle



## Power Supply / Drive Train (GAS)

Engine type	Yamaha built - low-emission single cylinder OHV
Displacement	357cc
Bore x Stroke	85 x 63 mm
Horsepower	11.4 HP
Compression Ratio	8.1:1
Lubrication	Splash style positive oil lubrication
Oil Capacity	1 US Quart
Air Cleaner	Two stage, urethane-foam pre cleaner and high capacity pleated paper cartridge
Cooling System	Forced Air
Fuel System	Electronic Fuel Injection
Starting System	Starter generator with pedal start system
Transaxle	EnduraDrive V-Belt automatic forward/reverse equipped with high-precision helical gears - 11.40:1 ratio

## Chassis

Frame	HybriCore Chassis features a robotically welded automotive ladder style frame mated to a poly-pylene structural floor. Frame components are protected with a multi-step full immersion phosphate treatment, electro depositions epoxy based coating and electrostatically applied polyester/urethane powder topcoat.
Steering	Self compensating double reduction helical rack and pinion
Front Suspension	Tru Trak II fully independent automotive style strut suspension
Rear Suspension	Unit swing arm with coil spring over hydraulic shock absorbers (elec) / Fully independent automotive-style strut suspension (gas)
Brakes	Self-adjusting mechanical, rear wheel drum brakes
Bumper	Front 5-mph energy absorbing bumper

## Performance

Max Speed (fwd/rev)	18-mph / 10mph
Tire Size	205/65-10 (4 ply rating)
Clearance	4.3-in (10.92 cm)
Turning Radius	14.4-ft
Warranty	Standard 2-year limited vehicle warranty

## Power Supply / Drive Train (ELECTRIC)

Motor	48v AC
Output	6.7 hp (5.0 kW) for 60 minutes
Motor Control	NEOS 350A AC controller by Toyota Industries Corp
Transaxle	EnduraDrive direct coupled transaxle equipped with high-precision helical gears - 12.49:1 drive axle ratio
Batteries	Six 8-volt Trojan T-875 batteries
Charger	Automatic microprocessor-based charger - 17 amp DC output at 48-volts - 9.5 amp 120 volt AC

## Dimensions, Ratings & Features

Vehicle	136-in x 74-in x 72-in (3.45m x 1.88m x 1.83m)
Wheelbase	98-in
Weight	1400-lbs
Gas Features	Head/tail lights, horn, and gas gauge hour meter
Electric Features	Head/tail lights, horn, digital battery meter