

# MV-1<sup>®</sup>



## The Perfect Commercial Fleet Solution

The category-redefining, extremely versatile MV-1<sup>®</sup> is a vehicle unlike anything else for paratransit and fleet applications. The first Original Equipment Manufacturer (OEM) designed and assembled accessibility vehicle, the MV-1 is more durable and more cost effective to own and operate than the traditional retrofitted van or bus. It is dedicated to transporting all passengers; with or without mobility challenges, making it the perfect universal solution for both public and private commercial fleet services.

### The MV-1: Thoughtfully Engineered

- Meets or exceeds the guidelines of the Americans with Disabilities Act (ADA)
- 36" by 56" doorway featuring a low step-in that allows easy entry for all passengers
- Seating for up to 5 passengers with the optional rear-facing jump seat
- The MV-1 is certified to Federal Motor Vehicle Safety Standards (FMVSS) to meet all applicable safety and crash requirements
- Passengers in wheelchairs or scooters can easily enter, and turn effortlessly so they may sit next to the driver
- Universal wheelchair restraint track system integrated into floor
- Large rear bench seat provides a perfect fit for everyone
- Comfortable commercial grade driver's seat to reduce operator fatigue
- Power windows, power mirrors, and other convenient options come standard
- 24-gallon gasoline tank provides the MV-1 with an estimated 350-mile range
- The integrated access ramp, with an anti-slip surface, has a design load exceeding ADA guidelines, and stores under the floor of the vehicle to maintain interior space
- The optional power ramp deploys at two different aspect ratios to address various vehicle entry and exit scenarios



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[www.MV-1.us](http://www.MV-1.us)

**MV-1<sup>®</sup>**  
Mobility Ventures LLC

# Built-in Durability & Performance

- Body-on-frame design: the MV-1 body mounts to a full frame to create a rigid structure that supports the drivetrain
- Fully boxed and tubed supportive cross members provide additional frame stiffness and durability
- Built like a truck, yet rides like a car:
  - A rear suspension with steel-leaf springs and air shocks delivers long term durability and a comfortable ride for all passengers
  - Front Short-Long Arm (SLA) suspension with rack and pinion steering provides a tight turning radius
- Four-wheel disc brakes designed with large rotors for improved lining life and the ability to handle the best-in-class gross vehicle weight (GVWR) of 6,600 lbs.
- Anti-lock Brake System (ABS) and traction control come standard

- Electronic Stability Control (ESC), including an anti-roll function, provides increased safety
- All-season tires are a standard feature
- Ford 4.6L V8 Engine
- Ford Electronic 4-Speed Automatic Transmission with overdrive
- The frame is coated with a rust inhibitor to increase longevity of the vehicle



# Have the option to Go Green

- Opt for a unique Compressed Natural Gas (CNG) fuel system for much lower fuel cost and an estimated 290-mile range, including a 40-mile low level indicator
- Since our unique CNG system is factory-engineered and installed, you can count on the same durability and reliability that you demand of gasoline-powered vehicles
- Cleaner-burning CNG produces 15% of the emissions<sub>1</sub> created by comparable gasoline-powered vehicles and reduces dependence on foreign oil

- Three Type-3 CNG tanks are integrated seamlessly into the vehicle design and factory-installed to meet all federal safety standards
- With CNG, you can save 40% to 60% in fuel cost<sub>2</sub> without compromising range, performance, interior comfort, or cargo space

1 Emission compounds are organic gases and nitrogen oxides, both smog causing pollutants.

2 Based on average fuel prices as of March 31, 2012. Cost savings vary by region.



# MV-1 Vehicle Specifications

Dimension		English	Metric
Wheelbase:		122 in.	3099 mm
Length:		205 in.	5207 mm
Height:		75 in.	1905 mm
Width:		79.4 in.	2017 mm
Turning Circle (curb to curb):		42.8 ft.	13045 mm
Access Door Useable Width:	A	36 in.	914 mm
Access Door Useable Height:	B	56 in.	1422 mm
Interior Height, Rear Wheelchair Position:	C1	59.5 in.	1511 mm
Interior Height, Forward Wheelchair Position:	C2	58.3 in.	1481 mm
Interior Width at B-Pillars:	E	64.5 in.	1638 mm
Vehicle Ground Clearance (minimum):	F	6 in.	152 mm
Useable Ramp Width:	H	30 in.	762 mm

Dimension		English	Metric
Ramp Angle - Short Deployment (Manual):	R1	1:4.1 ratio	13.71 deg.
Ramp Angle-Short Deployment (Power):	R1	1:4.4 ratio	12.8 deg.
Ramp Angle-Long Deployment (Power):	R2	1:6.0 ratio	9.46 deg.
Ramp Extension-Short Deployment (Manual):	J1	61.7 in.	1567 mm
Ramp Extension-Short Deployment (Power):	J1	67.9 in.	1725 mm
Ramp Extension-Long Deployment (Power):	J2	91 in.	2311 mm
Mirror to Mirror Width:	K	79.69 in.	2024 mm
	folded	71.73 in.	1822 mm
Cargo Volume Index:	Gas	36.4 ft. <sup>3</sup>	1031 L
	CNG	29.1 ft. <sup>3</sup>	824 L
Curb Weight:	Gas	5055 lbs.	2293 kg
	CNG	5312 lbs.	2409 kg
Gross Vehicle Weight Rating (GVWR):		6600 lbs.	2994 kg

# Made in the U.S.A.

The MV-1 is assembled by AM General LLC in their world-class assembly facility in Mishawaka, Indiana, and meets the "Buy America Act" requirements for domestic content required for funding by the Federal Transit Administration. The MV-1 is a unique mobility solution for the 21st century built right here in the U.S.A.

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