

MDI Inc. and Zero Pollution Motors CAV (2008 concept)

Short Description: 3-seat compressed air vehicle

Availability & Cost: \$6k, 2009



Vehicle Stats

MPGe	94 MPGe comp. air 99 MPG gasoline
Weight	1874 lbs
L x W x H (ft)	13.0 x 6.0 x 5.7
HP	75
0-60 MPH	? seconds
Top Speed	96 MPH
Storage	3200 ft ³ @ 4500 PSI
Charge Time	3 minutes at high pressure air station 4h with onboard compressor: 5.5kW generates 812 ft ³ /h
Range	60 miles on comp. air 848 miles on 8 gal. gas
Engine	6C, "40P01/6", can use both compressed air and gasoline. The comp. air powers two different power strokes (isothermic, polytropic)
Cd x Frontal Area	? x ? ft ²

Background and Details

- Left Image: 3-seat alternative class compressed air vehicle
- Right Image: CityCAT mainstream 6-seat (see Page 6)
- Guy Negre, famous for Formula One race cars, is the founder of MDI - Motor Development International
- Shiva Vencat operates Zero Pollution Motors, the US franchise holder for MDI technology. ZPM is AXP team.
- They claim 106 MPGe, table shows calculated MPGe from the range/energy stats given on the website
- The compressed air is stored at 4,500 PSI in reinforced carbon fiber tanks held below the chassis.
- Has been widely called the "Air Car", but they prefer to avoid that name because it has been used for many other unrelated vehicles (even flying ones) - confusing at best. New name is "Compressed Air Vehicle" (CAV)
- References: [Zero Pollution Motors MDI CityCAT](#)
[Newsweek](#) [YouTube](#) [Wikipedia](#) [GCC AutoblogGreen](#)