



PRELIMINARY PRODUCT SPECIFICATIONS

Bus Chassis / Model	Van Hool A330 Fuel Cell Hybrid
Curb Weight (estimated)	Approx. 43,000 lbs
Capacity	34 passengers, driver, two foldable seats plus 47 standing 4 passenger per square meter
Power Plant	Ballard Power Systems FCvelocity™-HD6, 150 kW fuel cell
Hybrid System	Van Hool Hybrid System
Electrical Energy Storage	200 kW, 11.2 kWhr Nanophosphate Li-ion Energy Storage
Accessories	17 kW electronic alternator, electrically driven cooling systems, air conditioner, power steering and air compressor
Fuel Storage	Gaseous Hydrogen: 40 kg at 350 bar
Range	260 miles (350 kilometers) under typical urban transit cycle and loads
Measurements	Length 13,155 mm / Width 2,550 mm / Height 3,420mm

A330 Fuel Cell Hybrid Bus

For over 60 years, Van Hool has a reputation for designing and building high quality, state-of-the-art, customized products. They have developed the first European hybrid fuel cell bus with the same passenger capacity as a diesel bus and with all the modern comforts. Tests throughout Europe have proven the reliability of this new technology.

As an accomplished integrator of innovative transportation technologies, Van Hool has sourced the most advanced electric drive and energy storage systems, and Ballard Power System's world-leading FCvelocity™-HD6 fuel cell power module. These transit vehicles are more durable and efficient, with a greater range of operation, when compared to previous generations. Highly-innovative, zero-emission fuel cell buses will play a critical role in the future of transit - preserving non-renewable energy sources, substantially reducing our environmental footprint and improving our quality of life.

Ballard Power Systems and Van Hool are currently working together to deliver these zero-emission buses to multiple cities worldwide.



Specifications and descriptions in this document were in effect at the time of publication. Ballard Power Systems, Inc. reserves the right to change specifications, product appearance or to discontinue products at any time (02/2012)

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