Transport Canada Transports Canada

ecoTECHNOLOGY for Vehicles
an ecoACTION initiative

Canada

VOLKSWAGEN POLO BLUEMOTION TDI

NOT AVAILABLE IN CANADA

WEIGHT AND MEASUREMENTS

Weight	1,084 kg / 2,390 lb
Length	3.92 m / 154.3 in
Width	1.65 m / 65 in
Height	1.47 m / 57.9 in

POWER TRAIN

Drive Type	Front-wheel
Engine	Inline 3-cylinder turbocharged SOHC
Displacement	1,422 cm^3 / 86.8 cu in
Transmission	5-speed manual
Torque	195 Nm / 144 lb-ft @ 1,800 rpm
Power	59.7 kW / 80 hp @ 4,000 rpm

FUEL EFFICIENCY

Fuel Type	Diesel [1]	
Fuel Efficiency	L/100 km	Cdn mpg
City	4.9	57.6
Hwy	3.2	88.3
Driving Range [2]	1,190 km	
Fuel Tank Capacity	45 L / 10 gal (Cdn) / 11.9 gal (U.S.)	
CO_2 Emissions	99 g/km	

PERFORMANCE

Top Speed	176 km/h / 109 mph
Acceleration	0-100 km/h (62 mph) in 12.8 sec

CHASSIS

Body	3-door hatchback
Brakes (f/r)	Servo Assisted Front: Ventilated disc Rear: Self-adjusting drums
Seating capacity	5

eTV FLEET INFORMATION

Date Acquired	December 2008
Current Status	Testing and showcasing vehicle

[1] The use of biodiesel is not possible.
[2] Based on CFC value of 3.8 L/100 km

ENVIRONMENTAL BENEFITS OF BRINGING HIGHLY EFFICIENT DIESEL TECHNOLOGY TO CANADA

- **Lowers greenhouse gas emissions**
- **Reduces fuel consumption**
- **Advanced turbocharging improves horsepower and torque**

The Volkswagen Polo Bluemotion TDI is included in the ecoTECHNOLOGY for Vehicles (eTV) fleet of test vehicles because it incorporates several fuel conserving technologies such as direct injection, exhaust gas recirculation, a catalytic coated diesel particulate filter and variable geometry turbocharging.

Power train improvements include a 5-speed manual transmission with higher transition levels between gears 3 and 5, improving the cruising gear characteristics and reducing fuel consumption.

Improved aerodynamics result in a low drag coefficient of 0.30. This is accomplished by using an optimized front spoiler, a modified heck spoiler and a roof spoiler, all of which help the vehicle slip through the air more easily. A lower drag coefficient also helps to further reduce fuel consumption, as do the low rolling resistance tires.

The eTV program is currently testing the Volkswagen Polo's emission levels and fuel consumption. Of strong interest is how well diesel technology performs in the Canadian environment and the cost benefits for Canadian consumers. The vehicle's acceleration characteristics, fuel economy and range will also be tested, both in a laboratory and on the test track.

The ecoTECHNOLOGY for Vehicles (eTV) program is exploring how advanced technologies can help create a clean transportation system for Canadians.

www.tc.gc.ca/eTV