

A Survey of Low-Carbon Cars available in South Africa

The motor vehicle industry is experiencing increased pressure to make environmental protection a priority in the manufacture and design of their vehicles. The availability of green vehicles in South Africa is currently extremely limited and generally not affordable to the average consumer. For the time being the best option is to look at fuel efficiency and CO₂ emissions in order to decide on the most environmentally friendly option.

SEA has developed a list of the top performers in terms of fuel consumption and CO₂ emissions based on four vehicle categories, namely: mini-cars, hatchbacks, sedans and 4x4s/SUVs.

| Mini Cars | | | | |
|--------------------|--------------------------|-------------|------------|---------------|
| | Fuel Consumption l/100km | | | CO2 Emissions |
| | Urban | Extra Urban | Combined | g/km |
| Citroën C1 | 5.5 | 4.1 | 4.6 | 109 |
| Peugeot 107 | 5.5 | 4.1 | 4.6 | 109 |
| Mini | 6.9 | 4.5 | 5.4 | 129 |
| Hyundai Atos | 6.7 | 4.7 | 4.5 | 131 |
| Ford Ka 1.3 | 8.4 | 4.9 | 6.2 | 147 |
| Ford Ka 1.3 ac | 8.9 | 5.1 | 6.5 | 154 |
| Nissan Micra | 7.9 | 5.4 | 6.3 | 154 |
| Smartcar | 6 | 4.1 | 4.8 | 113 |
| VW Beetle | 9.4 | 5.8 | 7.1 | 169 |

| Hatch Backs | | | | |
|-------------------------|--------------------------|-------------|------------|---------------|
| | Fuel Consumption l/100km | | | CO2 Emissions |
| | Urban | Extra Urban | Combined | g/km |
| Audi A3 1.6 | 9.6 | 5.6 | 7.1 | 169 |
| BMW 120 | 8.7 | 5.1 | 6.4 | 152 |
| Citroën C2 1.4 | 7.9 | 4.9 | 6 | 143 |
| Ford Fiesta | 8.7 | 5.5 | 6.7 | 159 |
| Honda Civic 1.8 | - | - | 6.4 | 149 |
| Hyundai Getz 1.6 | 9.1 | 5.3 | 6.7 | 159 |
| Mercedes A170 | 8.6 | 5.5 | 6.6 | 157 |
| Opel Corsa 1.2 | - | - | 6.2 | 139 |
| Peugeot 206 1.6 | 10.2 | 5.7 | 7.4 | 175 |
| Renault Cleo | 10 | 6 | 8 | 179 |
| Toyota Yaris 1.3 | - | - | 6 | 141 |
| VW Golf Gti | 11 | 6.2 | 8 | 189 |

| Sedans | | | | |
|-----------------------|--------------------------|-------------|------------|---------------|
| | Fuel Consumption l/100km | | | CO2 Emissions |
| | Urban | Extra Urban | Combined | g/km |
| BMW 320i | 11 | 6.2 | 7.9 | 190 |
| Citroën C5 | 11.5 | 6.3 | 8 | 190 |
| Ford Focus 2.0 | 9.8 | 5.4 | 7.1 | 169 |
| Honda Accord 2.4 | | | 8.4 | 214 |
| Hyundai Sonata | 10.4 | 6.6 | 8 | 190 |
| Mercedes E280 | 13.5 | 7 | 8.5 | 228 |
| Volvo S40 2.0 | 10.1 | 5.7 | 7.4 | 177 |
| VW Jetta 2.0 | 7.1 | 4.8 | 5.6 | 148 |

| SUV's and 4X4's | | | | |
|---------------------------|--------------------------|-------------|------------|---------------|
| | Fuel Consumption l/100km | | | CO2 Emissions |
| | Urban | Extra Urban | Combined | g/km |
| Audi Q7 3.0 TDI | 14.5 | 8.3 | 10.5 | 282 |
| BMW X5 | 8.7 | 5.1 | 6.4 | 152 |
| Hyundai Tucson 2X4 | 10.4 | 6.6 | 8 | 190 |
| Nissan X-Trial | 7.2 | 6.8 | 7.6 | 203 |
| Renault Espace | 12.9 | 7.5 | 9.6 | 223 |
| Subaru Forester | 14.7 | 8.4 | 10.7 | 254 |
| Toyota Hilux 2.5 D | 10.3 | 7.1 | 8.3 | 219 |
| Toyota Land cruiser | - | - | 9.2 | 243 |
| Volvo XC90 | 10.7 | 6.9 | 8.3 | 219 |
| VW Touareg 2.5 TDI | 13.1 | 8.3 | 10.1 | 267 |

Disclaimer:

- The data given in the tables is based on information for European made cars, so South African made models may differ slightly.
- All models are petrol burning engines
- The engine size is not the same for all vehicles in the table and is specified for the vehicle. The table should therefore be used as an information provider and should not be used for direct comparison.
- The fuel consumption figures are provided by the manufactures and actual fuel consumption may differ in "real world" situations.