



**DAIHATSU**



July 9, 2014  
(1/3)

**Daihatsu Mira e:S Mini Passenger Car Undergoes Minor Model Upgrade  
Achieves best fuel efficiency for a gasoline engine vehicle\*<sup>1</sup> of  
35.2 km/L\*<sup>2</sup>**



**Mira e:S G “SA”**

Daihatsu Motor Co., Ltd. (“Daihatsu”) is pleased to announce a minor upgrade to the Mira e:S mini passenger car, which will be released nationwide on Wednesday, July 9.

The Mira e:S has been gaining the support of customers in a wide range of age groups as the “third eco-friendly car” that pursues high fuel efficiency and affordability, which are the essence of a mini passenger car.

With the latest refinements, the e:S technology has evolved further, achieving improved fuel efficiency. In terms of power train evolution, combustion efficiency has been improved through a higher compression ratio and the adoption of Atkinson cycle technology\*<sup>3</sup> and a dual injector. In terms of energy management evolution, regenerative power has been increased through the improvement of Eco Power Generation Control, achieving fuel efficiency of 35.2 km/L, the best for a gasoline engine vehicle in all grades of 2WD vehicles.

In addition, the Black Interior Package, an option that comes with a black-based interior, including black seat upholstery, has been added to some grades, creating a high quality, relaxing interior space.

Daihatsu considers high fuel efficiency and affordability to be the essential features of all mini passenger cars, and it will continue to proactively pursue these aspects.

\*1: As of July 9, 2014, among gasoline engine cars, excluding hybrids (based on research undertaken by Daihatsu)

\*2: 2WD vehicles; JC08 mode fuel efficiency (Ministry of Land, Infrastructure, Transport and Tourism inspection value)

\*3: Internal combustion that achieves improved combustion efficiency by allowing the expansion ratio to be higher than the compression ratio

## Outline

- ◆ Through the evolution of e:S technology, fuel efficiency of 35.2 km/L has been achieved, the highest for a gasoline engine vehicle.

The improvements in (1) power train evolution, (2) vehicle evolution, and (3) energy management, which are the three major aspects of e:S technology, have resulted in improved combustion efficiency, reduced running resistance, and enhanced energy efficiency.

### 1. Power train evolution

- Improved combustion efficiency through a higher compression ratio (increased from 11.3 to 12.2). Improved intake port for the enhancement of the tumble motion of the air-fuel mixture, adoption of a spark plug with high ignitability to expand the initial ignition flame to improve combustion efficiency.
- Atkinson cycle technology and a dual injector have been adopted to avoid the knocking that accompanies a higher compression ratio. Reduced pumping loss through the Atkinson cycle and stabilized combustion through fuel atomization with a dual injector have been simultaneously achieved.

### 2. Vehicle evolution

- A tire deflector has been adopted for the rear tires as well, further reducing air resistance while driving.

### 3. Energy management

- Evolution of Eco Power Generation Control  
Heightened power generation upon vehicle slowdown to reduce it during acceleration and cruising by revising power generation control. This improvement reduces the engine load and contributes to enhanced fuel efficiency.

- ◆ Outline of Black Interior Package (factory-installed option)

Grade	Features
G "SA"	Black seat upholstery 16 cm 4 door speakers Under-seat tray (for passenger seat)
Gf "SA"	Black seat upholstery Leather-bound steering wheel (with plated trim) Under-seat tray (for passenger seat)
X "SA"/X Xf "SA"/Xf	Black seat upholstery Leather-bound steering wheel (with plated trim) Audio panel (premium shine black)

**\*Recommended retail prices (including consumption tax)**

Mira e:S

Grade	Engine	Transmission	Smart Assist	Drive	Fuel Efficiency (km/L) JC08 mode	Price (yen)	Tax Reduction Level
D	NA*4	CFT	-	2WD	35.2	766,286	Exempt
L			-			915,429	
L "SA"			○			966,857	
X			-			1,028,571	
X" SA"			○			1,080,000	
*G "SA"			○	1,213,715			
Lff			-	4WD	32.2	1,018,286	
Lf "SA"			○			1,069,714	
Xf			-			1,131,429	
Xf "SA"			○			1,182,857	
Gf "SA"	○	1,316,572					

\*4: Naturally aspirated engine

\*Include photographs

\*2WD vehicles in the Hokkaido region cost an additional 16,200 yen (including consumption tax). Prices do not include recycling fees.