



Press Information

CUORE

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DAIHATSU MOTOR CO., LTD.

Cuore

The Cuore made its world debut in 1980 under the concept of “a spacious 1.5-box style”. The customer around the world appreciated its highly refined utility and fashionable styling, and it was particularly popular with female users. As a result, this model has been sold the world over and has chalked up an impressive accumulated production volume of over 4.5 million units in the twenty-two years since its introduction. In the process, the Cuore has also crowned its success by initiating the emergence of a whole new era of stylish compact cars. What’s more, over the years, the Cuore has established itself as the compact-car standard that is loved by customers of different generations.

The sixth generation of the Cuore inherits the basic concept of its first generation, i.e., “a wide interior space and a sophisticated styling”, while at the same time further refining the intrinsic characteristics of the small car, i.e., “economy and utility”. “High quality and performance that’s beyond its class”, the all brand-new Cuore goes on sale here in Europe as “future-generation basic car featuring innovative packaging”.

Packaging

A newly employed platform has made possible an interior space that goes beyond the present conventional compact car paradigm. In fact, the interior space that results from the innovative packaging is comparable to that of the next class up, i.e. of a B-segmented passenger car. Specifically, the distance between the front and rear seat passengers has been increased by 50 mm and the interior width has been extended by 80 mm to create a more comfortable cabin space. Just sit yourself down in either the driver’s seat or the rear seat, and feel by yourself directly what a relaxing interior the new Cuore offers.

Exterior

The new Cuore’s exterior design is aiming to incarnate a harmonization a wide interior space being an embodiment of innovative packaging in aerodynamic design. The combination of the flowing line running from fender to roof and the wedge-like beltline is an expression of the energetic vividness of which the Cuore is capable, while the long wheelbase and rich blister fenders create a side view that exudes a sense of stability. Under the design theme, “Aero Big Cabin”, the new Cuore has achieved a drag coefficient of just 0.31. The Cuore’s beautiful form, which clearly represent that of a future generation vehicle combining superb aerodynamic characteristics and a big interior space, blends naturally into the contemporary European landscape.

Interior

The interior design pursues a high quality feel and an easiness that are tailored to appeal not only to compact-car fans but also to a wider range of users the world over. High quality features including seamless airbag and a smoothly contoured dashboard composed of flush surfaced parts create a relaxing interior. A small window of the meter cluster with a tachometer displays “HELLO” when the driver gets into the car and “SEE YOU” when he or she gets out of the vehicle, symbolizing the friendly relationship between the driver and the Cuore.

Utility

For the Cuore to be the Cuore, it must be easy for any driver to use. Both the front and rear doors open out to an angle of approximately 90° so that it is easy to get into or out of the car. A hip point of 580 mm also aids graceful ingress and egress. And because a good driving position is important for every vehicles, the Cuore’s optional features include a seat lifter (height-adjustable driver’s seat), tilt steering and a seat belt shoulder anchor adjuster. These features allow any driver, regardless of their height and girth, to adjust the interior to their most comfortable driving position. Furthermore, the Cuore features a small turning circle and a various kinds of amenities including ample storage to make it a car that’s easy to use in all the scenes of everyday life.

Engine and mechanism

In the Cuore, Daihatsu’s technology has achieved the petrol-fueled car with fuel consumption rated in the world’s lowest class^(*). A 1000 cc, 3-cylinder, 12-valve DOHC engine with DVVT (Dynamic Variable Valve Timing) features very high combustion efficiency, resulting in a very low fuel consumption of 4.6 litres per 100 km^(**) and low exhaust gas emissions that meet the Euro IV^(***) standard. With increased torque in the frequently used rev zone, the Cuore delivers rapid acceleration that matches or even surpasses driver expectations in city driving, combining ecology and running performance at a high level.

*1: EC combined mode; **2: L251LS/RS-FMRFW, 3-door, 5 MT; ***3: 5 MT

The Cuore boasts its European oriented suspension, tested and proved its high performance after numerous tests in Europe in our development project contributed by European engineers. The newly developed L-arm front suspension and the suspension stroke that has been increased by approximately 20% ensures beyond-its-class comfort and driving stability and provides a quiet ride comfort with suppressed vibration.

Safety

The Cuore continues its dogged pursuit of safety. In addition to clearing the European crash safety standards by a wide margin, the Cuore has been subjected to Daihatsu's own diverse crash tests that combine a variety of tests conducted in various tests of the world. Built on a renovated platform, the new Cuore was found to have sufficient survival space in frontal, side-on, and even car-to-car collision tests at 50 km/h against a heavier car, proving its excellent ability to protect its occupants in the event of a crash. The new platform is characterized by pursuing a structure that efficiently absorbs and disperses crash energy through the ample use of high-tension steel. The structure also attempts to safeguard pedestrians by using shock-alleviating designs for the hood and wiper pivots so as to reduce the severity of injuries sustained by pedestrians in the event of an accident. The result is Cuore with improved pedestrian-protection capabilities. Other safety features include side airbags (option), shock-absorbing pillar trims, anti-protrusion steering wheel mechanism and anti-retraction brake pedal mechanism.

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Technical Data

Dimensions and weight

Overall length		mm		3,410 (without a front license bracket: 3,400)
Overall width		mm		1,475
Overall height		mm		1,500
Interior length		mm		1,840
Interior width		mm		1,300
Interior height		mm		1,240
Wheelbase		mm		2,375
Track	Front	mm		1,330 (13" tyre: 1,320)
	Rear	mm		1,310 (13" tyre: 1,300)
Min.road clearance		mm		145
Min.turning radius		m		4.2 (tyre), 4.5 (body)
Kerb weight	5MT	kg	3-door	720
			5-door	740
	4AT	kg	3-door	725
			5-door	745
Gross vehicle weight	5MT	kg		1,200
	4AT	kg		1,200
Seating capacity				4

Engine

Type				EJ-VE, petrol, water-cooled, 3-cylinder, 4-cycle, 12-valve, DOHC, DVVT
Bore × stroke		mm		72 × 81
Total displacement		cc		989
Compression ratio				10.0
Max. output		kw/rpm		43.0/6,000
Max. torque		N·m/rpm		91.0/4,000
Fuel system				EFI (Electronic fuel injection)
Fuel tank capacity		litres		36
