



PRESS RELEASE  
16 june 2008

# Sandero: the compact yet roomy hatchback with a Dacia price-tag

After the introduction of Logan, Logan MCV, Logan Van and Logan Pick-up, Dacia continues to broaden its range with the release of a generously-dimensioned, five-door hatchback: Sandero. The newcomer is manufactured in Pitesti, Romania and benefits from all the fundamental qualities that have become a hallmark of the Dacia range, namely ample cabin space, a high load capacity and robust build. Like the Dacia range's other models, Dacia Sandero represents unrivalled value for money which is backed up by a three-year or 100,000 km warranty. It will retail in the majority of European markets at an entry level tax-paid price of less than €8,000.







# All the essential features of a modern hatchback

## The fruit of genuine expertise

Like all Dacia models, Sandero is the fruit of a unique development model which combined three factors to ensure unmatched performance and equipment for its price.

These were the adoption of the design-to-cost concept throughout its design, the carry over of parts from other Renault Group models in order to optimize reliability and production costs, and the use of digital design technologies which do away with the need for costly prototypes.

## Contemporary lines

Dacia Sandero stands out as a modern hatchback with appealing looks that convey both **dynamism and robustness**. The front features modern, expressive headlamps and a grille and bumper that blend harmoniously with the bodywork. Its lateral lines form an "upturned wave" and underpin the impression

of solidity, thanks notably to the broad side protective strips (according to version).

The rear styling reinforces the sense of a generously proportioned, spacious and well-built vehicle. Besides the notions of robustness and peace of mind were widely acclaimed during customer tests.

To enhance Dacia Sandero's bold styling, an SUV kit will be available from launch in the majority of European countries. This kit includes front and rear spoilers, foglamp guards and side skirts to give the car authentic all-terrain looks.

The same resolve to appeal to customers and showcase its **quality continues inside the car**. The new dashboard has been thought through to be both modern and functional, while there is also the opportunity to combine different colours and surface finishes in several areas (according to version). The design of the door panels also contributes to the cabin's modern feel thanks to the smart handles and decorative trim strips (according to version).

To mark the upgrade in range, Dacia Sandero is available with three dashboard trims and coordinated upholsteries. Particular attention was paid to produce an uncluttered, practical driving environment, with easy-to-read instruments and controls which fall readily to hand.





## Efficiency and travelling comfort

Dacia Sandero is built on the same B0 platform as Logan which features MacPherson-type front suspension with wishbone. Certain versions also come with a front anti-roll bar which ensures excellent roadholding when cornering. Dacia Sandero's rear suspension is also derived from the B0 platform and comprises a programmed-deflection torsion beam with coil springs and vertically-mounted, extended-travel dampers. The suspension package has been specially engineered for Dacia Sandero, including lower arm joints and a rear end which have been designed to deliver precise handling and good roadholding along sharply twisting roads. Like the Dacia range's other models, Sandero boasts **high ground clearance (155mm)** which means it is able to take all types of road in its stride, both in and out of town, a factor that contributes further to its versatility. The new car also benefits from underbody protection which allows it to tackle unsealed surfaces with ease.

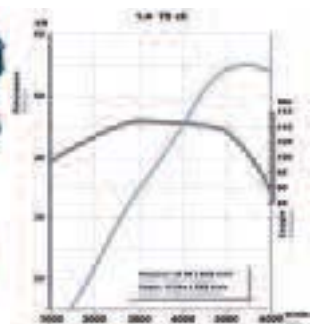
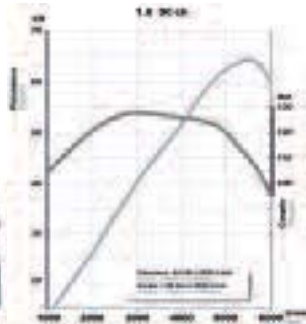
Power steering is naturally available for most versions to ensure safe, precise steering and a degree of driving pleasure worthy of a B-segment vehicle. The entry-level version comes with manual steering with a view to

keeping its price at a reasonable level. The slightly higher steering ratio compared with Clio II and work on the hub carrier and castor angle has resulted in a reduction in the effort required to turn the steering wheel.

Certain versions are equipped with a height and lumbar adjustable driver's seat which enables the ideal driving position to be found, while the driver can get more comfortable by the height adjustable steering wheel (according to version) and ergonomically-positioned steering wheel-mounted controls.

Last but not least, careful attention has been paid to thermal comfort to address the special needs of customers in a wide variety of climates and countries. The layout of the ducts has been thought through to ensure a rapid rise in temperature on start-up, as well as in extreme heat and cold.





## A range of reliable engines

Dacia Sandero is available with a choice of two petrol engines (1.4l 75hp and 1.6l 90hp) and two diesel engines (1.5 dCi 70hp and 1.5 dCi 85hp) which have already proven their worth on numerous other vehicles in the Renault family and which have actively contributed to the success of the Dacia range.

The 1.4 and 1.6 petrol engines are a perfect match for the cost, robustness and ease of maintenance values championed by the Dacia brand, and both are renowned for the

availability of high torque at low engine speeds, as well as across a broad rev-band. The 1.4-litre and 1.6-litre engines deliver 55kW (75hp) and 64kW (90hp) at 5,500rpm respectively, with torque of 112Nm and 128Nm at 3,000rpm. Both powerplants are mated to a five-speed manual gearbox. The 1.4-litre and 1.6-litre versions of Dacia Sandero return combined cycle fuel consumption of 7.0 litres/100km and 7.2 litres/100km respectively.

The 1.5 dCi diesel engine will be available for Dacia Sandero at a later date. It will be

available in 70hp form and also a punchier 85 hp version which was launched in September 2007 on Dacia Logan and Dacia Logan MCV. Low CO<sub>2</sub> emissions of 120g/km on both the 70hp and 85hp versions will ensure an attractive ecological footprint for the 1.5 dCi Dacia Sandero.



# Generous cabin space, part of Dacia Sandero's DNA



## Cabin space and carrying capacity worthy of the segment above

Although Dacia Sandero's price positions it in the small car area of the market, its generous interior and exterior dimensions are in fact more in keeping with those of a vehicle from the next compact category up. Its unrivalled cabin space/price ratio has been made possible thanks to its length (4.02m), width (1.75m) and wheelbase (2.59m).

The rear bench seat comfortably seats up to three adult passengers who benefit from **878mm of headroom**, **145mm of kneeroom** and **1,425mm of elbowroom**, while a child seat can be fitted to all three seats.

In addition to the rear's roomy dimensions, access to the rear seats is made even easier due to the fact that the rear doors open to an angle of up to 67°.

The **boot capacity of 320 litres** is also unbeatable for the vehicle's price and compact dimensions, while its practical, modular layout is enhanced by the folding rear bench seat which offers a 60/40 split according to version. With the bench seat folded, the total carrying capacity extends to 1,200 litres, ensuring that Dacia Sandero stands out as a compact yet extremely spacious hatchback capable of comfortably carrying up to five adults.









- ① **Enrouleurs-prétensionneurs-limiteurs d'effort**  
*Inertia reels, pretensioners and load limiters*
- ② **Réglage de la hauteur de ceinture**  
*Height-adjustable seatbelt*
- ③ **Ceintures arrière 3 points à enrouleur**  
*Three-point inertia-reel rear seatbelts*

- ④ **Airbags frontaux**  
*Front airbags*
- ⑤ **Airbags latéraux tête-thorax**  
*Front head/thorax lateral airbags*
- ⑥ **Appuis-tête Nouvelle Génération**  
*New Generation fixed front headrests*
- ⑦ **Planche de bord avec structure amortissante**  
*Dashboard with damping structure*

- ⑧ **Entretoises de bassin**  
*Pelvic pads*
- ⑨ **Paddings de bassin**  
*Pelvic padding*
- ⑩ **Paddings de pied**  
*Footwell padding*
- ⑪ **Calculateur d'airbags et capteurs de choc**  
*Airbags ECU and impact sensors*
- ⑫ **Attaches Isofix**  
*Isofix anchorage*

## Safety: an inescapable consideration

When it comes to Dacia Sandero's safety credentials, the newcomer benefits from the acclaimed expertise of the Renault Group in this field.

On the active safety front, particular attention has been paid to Dacia Sandero's braking system which offers a degree of comfort, bite and progressive stopping power that is perfectly in keeping with the level expected of a B-segment car in Europe. Dacia Sandero can also be equipped with latest-generation Bosch 8.1 ABS which incorporates EBD (Electronic Brakeforce Distribution) and, **for the first time in the Dacia range, EBA (Emergency Brake Assist).**

Dacia Sandero is equipped with numerous passive safety features too, including the use of materials such as high elastic limit (HEL) steel which ensures enhanced cabin resistance by minimising deformation, notably in the

case of head-on impacts. The combination of the magnesium steering wheel frame and retractable steering column contributes to the dissipation of the kinetic energy produced in an impact, while the honeycomb structure of the polypropylene dashboard reduces the risk of knee injury. In addition to the materials it uses, the curved design of the lower part of the cowling matches the shape of the tibias so that the force of an impact should the tibias come into contact with the dash. Last but not least, legs and ankles are further protected by underfoot padding on both the passenger and driver sides.

Dacia Sandero is equipped with three-point seatbelts. The front seatbelts incorporate calibrated load limiters for enhanced protection of the thorax. Depending on version, these three-point seatbelts are height-adjustable to optimise body restraint in case of impact. The retention system can also be upgraded to include pyrotechnic pretensioners for the front seatbelts. Dacia Sandero also benefits from ISOFIX child seat

anchorage for the outer rear seats. Depending on equipment level, **Dacia Sandero comes with up to four airbags.** The driver's airbag, which has been specially designed for Dacia Sandero, features a vent that adjusts the pressure applied as the bag deploys. Certain versions are equipped with two lateral head thorax airbags which provide extra protection in case of side impact, in addition to that ensured by the padding and strengthening structures incorporated as standard in the doors.

The lateral head thorax airbags are located in strengthened seats which come with headrests specifically designed to prevent injury to the cervical vertebrae in case of rear impact. This new set-up ensures a better position of the back and enhanced retention and comfort of the head.





# Reliability and robust design: ongoing Dacia fundamentals

In keeping with the spirit behind the B0 platform, Dacia Sandero's design was guided by an overriding need for the level of robustness and reliability that has forged the brand's reputation. Particular attention was paid to anti-corrosion protection thanks to several measures, including:

- wax injection of substructure and opening panel hollow sections,
- mastic sealing of body panel matings,
- additional use of wax for substructure mechanical components,
- updated underbody, sill and wheel arch gravel protection.

The same attention has been paid to the reliability of the electrical system and electronics thanks to a system that has already shown its worth on several models from the Renault range. The drive-station and cabin wiring looms are one and the same, with no break or connection between the two, a technique which boosts reliability by reducing the risk of defective connections. Another example is the battery, the size and specification of which takes into account the car's use in extreme situations.

To ensure that customers are immediately aware of this high level of quality, **Dacia Sandero comes with a three-year/100,000 km warranty** in the majority of its European markets.

For even greater peace of mind, Dacia customers will be able to benefit from a **"Dacia pack" combining a finance and a 36-month or 50,000 km maintenance plan** which covers servicing and repair costs (excluding wear items and incident damage).

# Sandero, the fifth vehicle in the Dacia range

The launch of Dacia Sandero marks a major step in the development of the Dacia brand. The introduction of Sandero sees the Dacia range, which already comprises a saloon, an estate and a pick-up, reach out to a new segment, that of the hatchback, which will enable the brand to win over a new clientele.

Dacia Sandero is progressively going on sale in Europe, in Turkey and in the Maghreb regions starting from June 2008. Like other Dacia models, Sandero targets rational, pragmatic and younger buyers. Dacia customers tend to be one-car owners and buyers of second-hand cars who regard price as their number one purchasing consideration. Dacia Sandero will consequently appeal to customers looking for a hatchback that is roomy and affordable, both to buy and run.

Dacia's line-up in its home market, Romania, will comprise five models (Logan, Logan MCV, Logan Van, Logan Pick-up and Sandero), while in western Europe – just three years after its launch – Dacia will boast an unprecedented range of three vehicles (Logan, Logan MCV and Sandero).

## **Development and production: synergy across the Dacia range**

Dacia Sandero production started in Pitesti, Romania at the end of October 2007. Given that it shares the same B0 platform as Logan, it also shares the same production line as the rest of the Dacia range. More than 70% of its components are also found on Dacia Logan, which facilitates the production of the two models on the same line and also permits development and purchasing savings. The Pitesti factory is the second of the group's production sites to produce Sandero in the wake of the Curitiba plant in Brazil which produces Renault Sandero for Brazil and Argentina.

Dacia teams were actively involved in the development of Dacia Sandero, since 45% of the engineers who worked on the project were of Romanian origin. The factory was also entrusted with the production of the majority of the prototypes as only the first wave was produced at the Technocentre. All the others were produced at Pitesti which

contributed to minimising design lead-times and costs, while at the same time facilitating the hand-over from engineering to production.

Pitesti continues to stand out as the 90 Programme's pilot plant which ensures the production of five models in 2008 in addition to housing the ILN international logistics centre which supplies all Logan platform production sites. It plays a major part in defining production processes and training. For example, around twenty 90 Programme pilot staff and senior operators from the body shop, paint shop and assembly shop in Curitiba, Brazil, spent four weeks in Pitesti at the beginning of 2006 to receive training regarding the production processes employed to manufacture B0 platform vehicles. On their return to Brazil, they in turn trained the operators in Curitiba.

Since Dacia Logan's launch, the Pitesti factory has doubled its annual production capacity which stands at 350,000 vehicles in 2008. The production rate of Dacia Logan MCV and Dacia Logan Van increased from 32 vehicles/hour in 2004 to 42 vehicles/hour in 2006, and then to 60 vehicles/hour now in 2008 with the arrival of Dacia Sandero. Production of Dacia Sandero is poised to account for almost half of the factory's assembly activities. A high proportion of parts are sourced locally, both specific parts developed for the European model and shared parts. Thanks to the development of a network of suppliers in the region since Dacia Logan production started in 2004, local content is approximately 60% in the case of Dacia Sandero, and even as much as 90% if nearby countries (Hungary, Poland, etc) are taken into account.





A total of €147 million was invested in the development and production of Dacia Sandero in Europe: €65 million relative to engineering costs, plus €82 million invested in the Pitesti factory. The majority of this sum was invested concurrently for the arrival of Dacia Sandero and the factory's switch to a production rate of 60 vehicles/hour which necessitated an additional €100 million. It is worth noting that the introduction of new, flexible robotised technology for the crimping of opening panels in the body shop has streamlined management of the diversity of models produced in Pitesti.

As was the case for Renault Laguna, a Quality Excellence Plan covering design, production and sales was put into place from the start of the Dacia Sandero programme. The local purchasing team, along with the engineering department and the factory, worked closely with suppliers to ensure a high standard of quality. After identifying possible sources of risk across the full supply chain, the different players from the Renault Group set up appropriate action plans with suppliers, including the introduction of the Poka Yoke concept in factories. This quality-enhancing tool, which is of Japanese origin (Poka = inadvertence; Yoke = avoid) is a simple yet effective way of guaranteeing that complex production operations are performed correctly.

### **A vehicle with a global calling**

Like Logan, Sandero – which went on sale in Brazil and Argentina in January 2008 and which is being introduced progressively in Europe, in Turkey, and in the Maghreb region starting from June 2008 – has a global calling. The new compact five-door hatchback will be produced by the end of 2008 in Colombia (Sofasa plant, Medellin; under Renault badge). In 2009, it will also be produced in Morocco (Somaca plant, Casablanca; Dacia badge), in Russia (Avtoframos plant, Moscow; Renault badge) and South Africa (Nissan plant, Rosslyn; Renault badge). The sale of Dacia Sandero in other markets is also being considered.

In all these markets, its positioning in terms of price corresponds with that of the small car segment, despite its interior and exterior dimensions which are more in keeping with those of the next compact car category up.



## DACIA SANDERO DIMENSIONS



### BOOT VOLUME (dm<sup>3</sup> standard ISO)

Boot volume	320
Rear seat folded	1200

### DIMENSIONS (mm)

<b>A</b> Wheelbase	2588
<b>B</b> Overall length	4020
<b>C</b> Front overhang	781
<b>D</b> Rear overhang	651
<b>E</b> Front track	1480
<b>F</b> Rear track	1469
<b>G</b> Overhall width excl. mirrors / incl. mirrors	1746 / 1990
<b>H</b> Overhall height	1534
<b>K</b> Ground clearance	155
<b>L</b> Rear legroom	145
<b>M</b> Front elbow room	1414
<b>M1</b> Rear elbow room	1425
<b>N</b> Front shoulder room	1388
<b>N1</b> Rear shoulder room	1400
<b>P1</b> Distance between the H-point and the roof in the front seats	892
<b>P2</b> Distance between the H-point and the roof in the rear seats	878
<b>Y2</b> Inside width between wheel arches	1006
<b>Z1</b> Maximum loading length (from boot lid to flat-folded rear bench seat)	818





## DACIA SANDERO TECHNICAL SPECIFICATIONS

### PETROL

ENGINE	1.4 MPI 75 hp	1.6 MPI 90 hp
Gearbox type	Manual	Manual
Emission standard	Euro 4	Euro 4
Number of seats	5	5
<b>ENGINE SPECIFICATIONS</b>		
Engine type	K7J 710	K7M 710
Cubic capacity (cc)	1 390	1 598
Bore x stroke (mm)	79,5 X 70	79,5x80,5
Number of cylinders	4	4
Compression ratio	9,5	9,5
Number of valves	8	8
Maximum Power (kW EEC / hp)	55 (75)	64 (87)
at (rpm)	5 500	5 500
Maximum torque (Nm EEC)	112	128
at (rpm)	3 000	3 000
Injection type	Multipoint	Multipoint
Fuel system	Air	Air
Fuel type	Petrol	Petrol
Catalytic converter	S	S
<b>GEARBOX</b>		
Type	JH1	JH3
Number of forward speeds	5	5
Speed (kph) at 1 000 rpm in 1st gear	7,23	7,23
in 2nd gear	13,17	13,17
in 3rd gear	19,36	19,36
in 4th gear	26,19	26,19
in 5th gear	33,92	33,92
<b>STEERING</b>		
Turning circle, kerb to kerb (m)	10,5	10,5
Steering wheel turns lock to lock (manual/power)	4,6 / 3,2	4,6 / 3,2
<b>SUSPENSION</b>		
Front	Pseudo Mc-Pherson type with wishbone	
Rear	H-section programmed deflection torsion beam with coil springs	
<b>WHEELS AND TYRES</b>		
Standard wheels	14" - 15"	
Standard tyres	165/80 R14 - 185/65 R15	
<b>BRAKES</b>		
Type of braking circuit	X	
Bosch 8.1 ABS	Standard	
EBA	Standard	
EBD	Standard	
Front disc diameter (mm)	259	
Rear drum diameter (inches)	8"	
<b>PERFORMANCE</b>		
Top speed (kph)	161	174
0-100kph (s)	13"00	11"50
Standing start to 1 000m (s)	35"00	33"60
<b>AERODYNAMICS</b>		
Cd	0,36	0,36
<b>FUEL CONSUMPTION EEC 99/100 (litres/100km)</b>		
CO <sub>2</sub> (g/km)	165	170
Urban cycle	9,6	10
Extra-urban cycle	5,4	5,6
Combined cycle	7,0	7,2
<b>CAPACITY</b>		
Fuel tank	50	50
<b>WEIGHTS (kg), Manual steering</b>		
Unladen kerb weight	975	980
Unladen weight on front axle	575	580
Unladen weight on rear axle	400	400
Maximum gross vehicle weight (MGVW)	1470	1470
Gross train weight (GTW)	2 300	2 300
Braked trailer	1 100	1 100
Unbraked trailer	525	525



High resolution photos of Dacia Sandero can be downloaded from [www.media.renault.com](http://www.media.renault.com) > Media Library.

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