

CROSSWAY



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CROSSWAY



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CROSSWAY **QUITE SIMPLY, THE WAY TO GO**



As one of the major world players in the public transport sector, Irisbus Iveco's primary concern is to improve the quality of life of its passengers by making their journeys safer, more comfortable and more enjoyable. At the same time, Irisbus Iveco is committed to simplifying the routine tasks of drivers, while offering optimised profitability to vehicle operators. These objectives shape the company's vision for sustainable development, environmental protection and individual rights. As a place for social interaction, the coaches and buses of the Irisbus range fully present the company's fundamental values of humanism, responsiveness, creativity, partnership and enthusiasm.

A perfectly planned route

The new Crossway coach, available in several lengths – 10.60 metres, 12 metres and 12.80 metres – has a mission that couldn't be any clearer: line operation. Combining all the features that characterise the vehicles of the Irisbus range – technological innovation, high levels of quality and reliability, and a sense of inventiveness – Crossway also shows what a proper understanding of aesthetics can offer: A demand for design excellence and strongly ergonomic qualities mean that both passengers and drivers enjoy a sense of well-being that lasts. And Crossway responds to the need for attractive operating costs and optimised fuel consumption, and to the desire to be as environmentally friendly as possible. Crossway: the way to go.



SUBTLE ELEGANT LINES



The strength of evidence

Crossway stands out from the crowd among Line coaches. The subtle elegance of its styling, its curved shape and rounded sleek lines, give this coach a distinct identity that makes it so much more than a simple workhorse. With a style all of its own, down to the finest details like the radiator grille, the rear view mirrors and the door surround, Crossway blends in beautifully with its environment .

A beaming smile

The smiling, expressive front face confirming the Irisbus pedigree, and the seductively simple rear walls ... everything about Crossway suggests a friendly personality.

Seductively flowing

With its elegant silhouette, sleek sidewalls and generous windows, Crossway is the embodiment of fluidity. Its large windows offer both excellent visibility and light, and give this coach an outward-looking feel.



1 - A perfect silhouette

2, 3 - Aesthetic requirement for the entire line

WHEN ESTHETICS AND PRACTICALITY COMBINE



Total accessibility

A happy marriage of the convivial and the functional, Crossway also displays a strong sense of the practical. This is especially true where accessibility is concerned, with the optimised balance between the height, depth and width of the entry step on both the front and the centre* doors. In addition, the option of a lifting platform for wheelchair users proves the desire to make Crossway accessible to all.

* Single centre door as standard, double centre door as an option.



1

A naturally independent spirit

Perfectly accessible, Crossway proves it has a very welcoming nature. The feeling of space and freedom that reigns supreme inside this coach, and the sensation that passengers can move about with ease, can be explained by the total width of the vehicle (2.55 metres) and by the clever configuration of the seats. Together, they allow unrestricted movement within. The generous headroom (2.28 metres) contributes further to this feeling of being in a place where space is not limited; where everyone is free to move around as they please.

Safety built in

Crossway puts driver and passenger safety before all else. All passengers in exposed seats therefore have three-point safety belts, with the remaining seats fitted with two-point lap belts (three-point belts throughout is available as an option). Safety first and foremost, so like all vehicles of the Irisbus range, Crossway was designed to comply with the strictest European directives on safety: the R66 rollover test, the accident prevention test, seat anchorage, an effective and performing braking system, and ABS and ASR anti-lock braking and anti-skid systems. The Crossway frame also undergoes an anticorrosion treatment combining zinc coating and cathodic immersion. Last but not least, the adoption of advanced techniques such as rigid structure assembly, the choice of anti-vandalism and fire-resistant materials, and the use of protection on pipes and sharp edges combine to enhance the ever-present feeling of safety in the passenger compartment.

1 - Control button for a stop request

2, 3 - The Lineo seats are equipped with two-point or three-point safety belts



2



3

HARMONY ON BOARD



An interior where balance is the key

Innovative and harmonious, the interior of Crossway breathes balance in all its finer details. The careful colour matching of the floor carpet to the side wall and roof coverings, the new styling of the uprights and handrails, the new roof design and the new baggage racks, all combine to make this coach a haven of peace, where balance and harmony are the key words.



A warm welcome

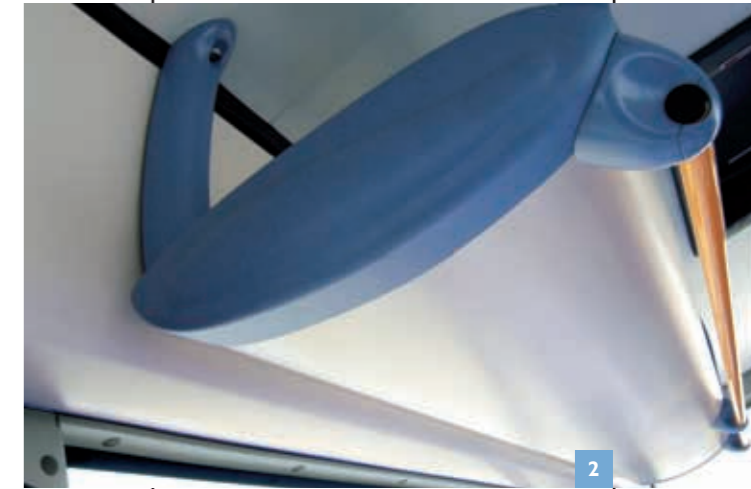
A warm welcome is guaranteed since Crossway offers independent programmable heating as standard. Optional features include climate control and a system that reverses the air conditioning to provide rapid heating and demisting.

Comfort that stays the course

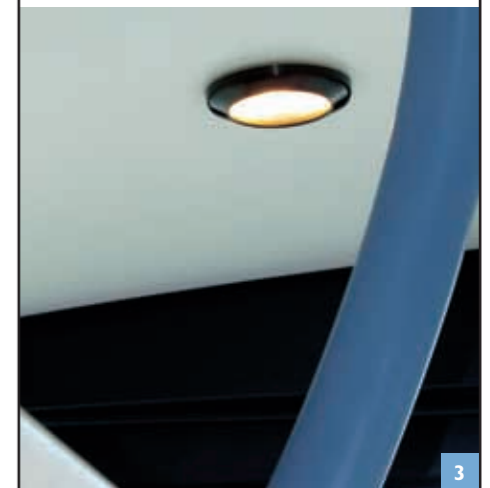
Travelling holds only good surprises for Crossway passengers, who benefit from completely redesigned seats, with a grab handle in the seat back to ease movement along the corridor of the coach. Both functional and aesthetically pleasing, these "Lineo" seats, which are available in two versions, fixed and reclining with folding armrests, can be trimmed in different colours and fabrics if personalisation is required. In addition, a rail on the corridor side allows seats to be fitted and removed quickly without compromising the safety of the anchoring in any way. As an option, the "Lineo" seat can be fitted with an anti-vandalism outside seat back, as well as other equipment such as a foot rest.



1



2



3

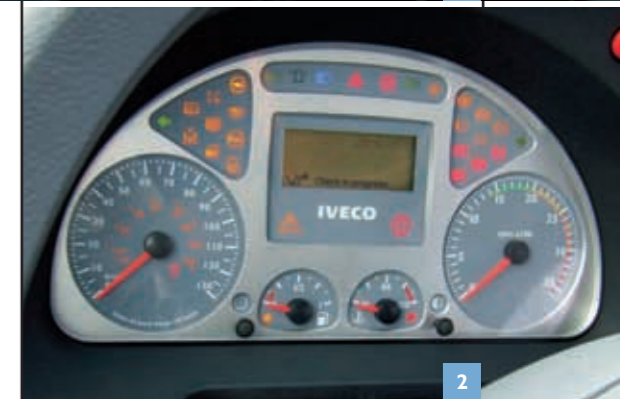
- 1 - Air-conditioning duct circuits
- 2 - The luggage racks create a pleasant appearance
- 3 - Spot lighting

A MADE-TO-MEASURE WORK PLACE



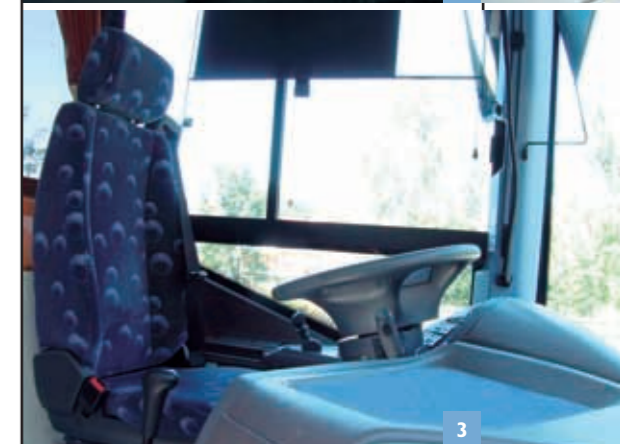
Ergonomic requirements

A new dash board, a modular instrument panel, an ergonomic steering wheel. Following consultation with drivers, the Crossway driving position contains all the features needed to make this working environment the most performing of work tools. The driving parameter display screen is highly advanced in design and operated by switches on the steering wheel. This display screen, the on-board computer and the distribution of functions into three distinct zones on the dash board all allow the driver instant access to the information he needs. He is similarly alerted immediately to any malfunction. The radio controls are located on the steering wheel. And different adjustments allow the driver to personalise the compartment to his size and shape: seat adjustment both vertically and horizontally (with a pivoting seat available as an option); an adjustable steering wheel; an adjustable steering column (with optional cruise control).



Details that make all the difference

For the driver's comfort, the gear lever is servo-assisted (with an automatic gearbox available as an option). The driver also has a wide-angle rear view mirror as standard, additional storage in the side console, a large foldaway luggage rack, air jets integrated into the instrument panel, an exterior temperature gauge and a sun visor. An electric sun visor and mini-fridge are available as options, as are a larger refrigerator integrated into the dash panel, and a hostess position.



1 - Ergonomic controls

2 - Display with built-in dashboard computer

3 - Preparation for cashbox

TECHNOLOGY WITH A HUMAN FACE



An engine for every type of activity

Depending on the type of route covered and the specific operating requirements, Crossway is available with two Euro 4 engine types. The Tector engine combines restraint and high torque, is available in two power ratings (260 HP and 300 HP) and is most suited to journeys over flat or gently sloping terrain. The Cursor engine, which develops 330 HP (242 kW), combines economy and performance, and is the ideal choice where engine torque and power are the priority. Like all the other coaches in the Irisbus range, these engines, which are equipped with the SCR system, are vertically mounted for ease of access to the powertrain assembly. Notable, too, is that well in advance of the introduction of Euro 5 regulations in 2009, these engines can, as an option, be made Euro 5 compliant. They can similarly be made to meet EEV levels.

Irisbus Iveco know-how

Crossway uses quality components that have been tried and tested on other vehicles of the Irisbus range. This coach also benefits, however, from the latest in technology, such as multiplexing of the major components and incident warning signals on the display unit.

Simple maintenance

Every operator knows that it is vital to keep vehicle off-road time to an absolute minimum. Crossway understands this perfectly. The batteries, heating, fuse box and the entire powertrain assembly were therefore designed for optimal accessibility. The wheel arches can be removed very quickly for regular maintenance operations. Other examples, such as the logical layout of the electrical equipment and the standardisation of spare parts, also help to simplify and speed up maintenance operations.

SCR system

The SCR system of after-treatment of exhaust gases, used on Tector and Cursor engines, helps to optimise operating costs, extend oil change intervals and increase the operating life of the vehicle.

Euro 5

When Euro 5 comes into force, toxic emissions of nitrogen oxide (NOx) will be practically halved compared to Euro 4.

EEV

The EEV (Enhanced Environmentally-Friendly Vehicle) level results in double the reduction of particulate emissions compared to that achievable by Euro 5.



- 1 - Cruise control as optional
- 2 - Reservoir stopper on AdBlue
- 3 - Gear shift with pneumatic power assistance

CROSSWAY A GROUP PORTRAIT



TECHNICAL CHARACTERISTICS

Length	10.6 m	12 m	12.8 m
Width	2.55 m	2.55 m	2.55 m
Number of places seated	47 or 51*	55 or 59*	59 or 63*
Luggage rack volume	2.40 m ³	2.80 m ³	3 m ³
Cargo hold volume	3.50 m ³	5.70 m ³	6.70 m ³

Engines Tector 260 and 300 Hp or Cursor 330 Hp

* Depending on the national legislation in force.

Main options

- Handicapped passenger access (Annex VII of 2001/85)
- Euro 5 or EEV pollution control
- Climate control
- Double-glazed windows
- Automatic gearbox
- Suspension raise/lower device
- Three-point safety belts on all seats
- Hostess position
- Refrigerator
- Video screen
- Electrically-adjusted rear view mirrors
- Electrically-adjusted sun visor
- Reversing radar
- Cruise control

Choice and reliability programmed in

Crossway is available in 10.60 metre, 12 metre and 12.80 metre versions, with a single front door and either a single or double (optional) centre door. The carrying capacity is between 41 and 63 seated passengers, depending on vehicle length and local legislation in force. It can also be fitted with different powertrain types. The use of a range of technical components and standardised major mechanical parts is a gauge of both economical operation and enduring reliability.

