

# CROSSWAY

## LOW ENTRY



**IVECO**  
**BUS**

Your partner for sustainable transport





# SUMMARY

Designed with transport productivity in mind, Crossway in Low Entry version is a bus feeling at ease both in the city and intercity operations.

- + The Low Entry concept guarantees excellent accessibility for passengers getting on and off the vehicle
- + The powertrain, based on the proven Crossway normal-floor vehicle, enables fast and economical transport in intercity, high-speed roads and city environment as well

Crossway in Low Entry version is available in three lengths: 10.8 m, 12 m and 13 m, with a wide variety of seat layouts.

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# PRESENTATION

## BEST EXPERIENCE.

More than 80 years of bus production experience have taught us what is most demanded from our vehicles. It is reliability.

Each day millions of people put their trust in our vehicles to transport them to work, school, doctor or just take them for a trip. Each day there are people waiting at the stops in the Finnish Ivalo, Spanish Malaga, Russian Surgut or Greek Kavala. For the whole year at various places, from -30 °C to +40 °C, in every kind of weather; they believe that our vehicles will come for them.

This trust makes us feel obliged to see our vehicles as tireless workers serving flawlessly for long years. The whole construction and production of the vehicles is subordinated to these needs.

Aside from our irreplaceable long experience with commercial operation, for each new generation of vehicles we perform incredibly heavy tests with a huge quantity of prototypes. Tests are carried both in traffic and especially in extreme climatic and operation conditions.

### Road & functional tests

1,000,000 km by range

### Endurance tests

Equivalent of 6,000,000 km on European Roads by range

### Reliability tests

1,600,000 km in real transport condition

**A long tradition. The foundation for quality production.**





Our Crossway buses represent the highest and most successful challenge in the world of public transport: carrying millions of people across Europe in a safe and comfortable environment, a high and reliable technological content at the best economic conditions in the market. The biggest and most varied net of operated lines is the best testing track all over the world.

**Market leader in Europe. Best experience.**



## CROSSWAY LOW ENTRY. THE UNIVERSAL BUS.



### VERSATILITY

THREE LENGTHS (10.8 M - 12 M - 13 M)  
A WIDE OFFER OF SEAT LAYOUTS



### DRIVER'S AREA

COMPLIANCE VDV/EBSF  
GENEROUS SPACE  
THERMAL COMFORT  
OPTIMIZED STORAGE



### ACCESSIBILITY

EASY IN AND OUT ACCESS  
EASY PASSENGERS FLOW



### EFFICIENCY

HI-SCR  
OPTIMIZED DRIVELINE  
LED LIGHTS

# VERSATILITY

## A COMPLETE RANGE FOR ALL MISSIONS.

Crossway can easily satisfy all customer needs in every passenger transport mission thanks to its versatility and variety of available versions.

### CROSSWAY LOW ENTRY – City version

One of the best vehicles on the market for low-floor public transportation, primarily designed for urban traffic, with an easy passengers access thanks to the low height of the floor between the front and middle doors.

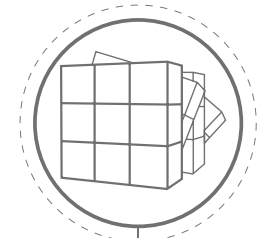
### CROSSWAY LOW ENTRY – Line version

The ideal choice for short-distance and medium-distance passenger transport, featuring low fuel consumption, longer service intervals, a driver area conceived to meet the highest ergonomic standards, all in a safe and comfortable environment.

## CROSSWAY. HIRE IT NOW.

Crossway will be your best employee, for each and every year of service. It delivers the highest passenger capacity combined with excellent manoeuvrability at the very best price.

**The result? High productivity guaranteed.**





# DRIVER'S AREA

## DRIVING THE CROSSWAY IS EASY.

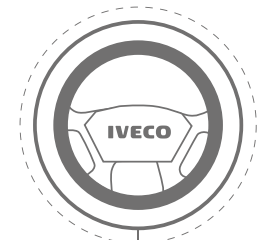
A new dashboard with new control commands has been conceived; the wider space and the new look make the driver cabin a comfortable place for the day-by-day work. Radio controls on the steering wheel, an integrated single panel for the climate control of the driver area, of the passengers compartment and of the independent heating allow for a safe and easy control of the main functions.

### VDV/EBSF Driver's Workplace

The use of the VDV/EBSF\* standards in the driver's workplace guarantees that drivers will always find the buttons and switches at the same place and that they will have the same ergonomic feeling regardless of the vehicle type.

The main target of these international standards is to provide higher comfort and safety. The IVECO BUS driver's workplace fully meets the parameters required in the fields of ergonomics, workplace accessibility, heating and ventilation, and it is one of the best in the matter of visibility, internal noise level and stowage space.

\*VDV options available for Crossway Low Entry, city and intercity versions, all lengths



Space for operator's mobile, wallet etc.

New central climatic control waterproof, position according to VDV/EBSF: Intuitive & multiple choice

Space for operator's Bag Volume according to VDV/EBSF, integrated in driver door

Seat rotation: easy accessibility

Space dedicated to operator's system terminal (VDV/EBSF specs)





# ACCESSIBILITY

## LOW ENTRY, HIGH FLEXIBILITY.

Two models are the leading actors of the Low Entry transport mission:

- + Low Entry Line for city and intercity operations
- + Low Entry City for urban and suburban routes

The low floor part between the front and the middle door allows for an easy access to all passengers. Vehicles can be equipped with manual or electric ramp with a dedicated internal area for disabled persons. The Low Entry City now features two- and a three-door configuration.





## PRODUCTIVITY

### BEST IN CLASS TOTAL COST OF OWNERSHIP.

#### Selling price tells just one part of the story

How much does a Bus cost? You pay the selling price, that's true. But, what about maintenance and fuels costs? That's why when we talk about cost, we talk about Total Cost of Ownership: the one and only measure of a sound investment.

#### TCO: a deeper look

Total Cost of Ownership is made of many components:

- selling price
- capital cost
- maintenance and repair costs
- fuel and urea consumption
- residual value
- and other costs such as driver salary, insurances, taxes and tolls, etc.

#### Less service stops during operation of the vehicle (vs. Euro V)

- engine oil change interval Cursor (+50%)\*
- engine oil change interval Tector (+60%)\*
- particle filter change interval (+300%)\*
- engine air and hydrostatic filter change interval (+50%)\*

#### 2-year parts & labor and 5-year rust-thru warranties

**Integration of LED lighting:** 5x longer life span, 70% less electrical consumption

We are always and strongly committed to optimise the majority of these components during the whole life of the vehicle.

The result? A higher satisfaction in terms of global savings and higher resale value for all of our customers.

\*Valid for Crossway Low Entry Line.



# EFFICIENCY

## REGENERATION? NO THANKS!

- + Up to 8% more power and up to 9% more torque for the Tector engine
- + Up to 9% more power and up to 12% more torque for the Cursor engine
- + Increased driveability due to lower noise and vibrations
- + Low operating costs thanks to low engine wear and long maintenance intervals
- + Compact and lean design, lowering total weight and allowing for easy installation

## Wide motorization proposal

- Power demand and torque response are guaranteed in the most harsh operating conditions for a wide range of applications

## New rear axle

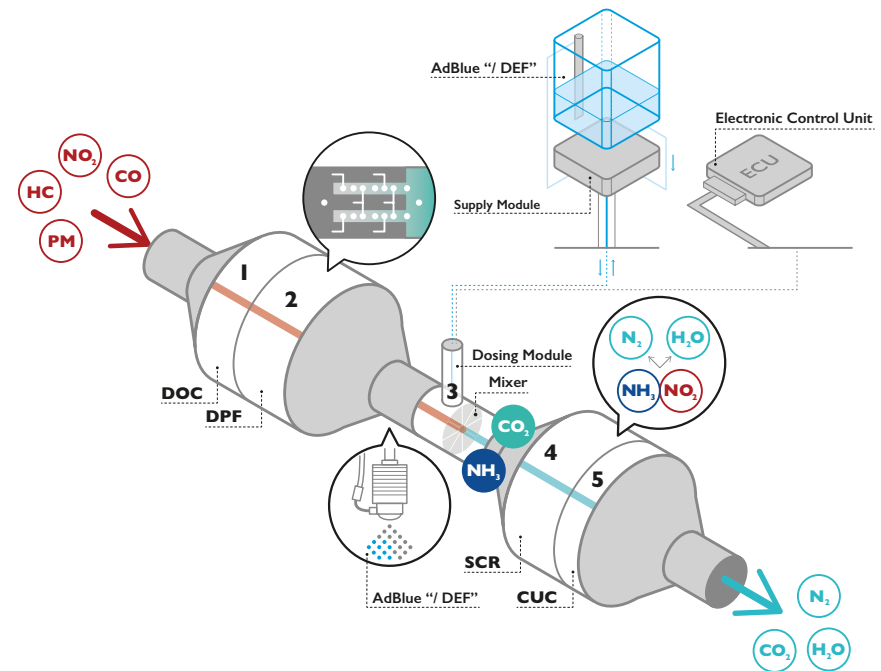
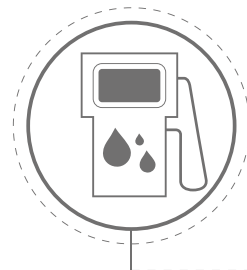
- Weight and noise reduction
- Higher resistance, durability and torque capacity

## HI-SCR

- The HI-SCR patented technology, based on an experience of more than 6 years and 250,000 engines produced, allows our engines to meet Euro VI standards without resorting to EGR, guaranteeing a very high NOx conversion efficiency (over 95%)

## Manual, robotized and automatic gearbox

- New manual and automatic gearboxes
- Reduced noise
- 60% longer service life



Length (m)	CROSSWAY	TECTOR 7		CURSOR 9
		286 HP - 210 kW	320 HP - 228 kW	360 HP - 265 kW
10.8	LE City Version	■	■	■
12		■	■	■
13		■	■	■
10.8	LE Line Version		■	■
12			■	■
13			■	■

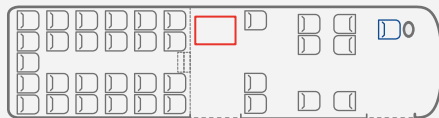
# SEATS

## VARIABLE LAYOUTS PROPOSAL\*.

### Crossway Low Entry City

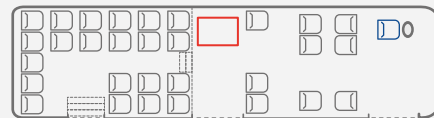
#### TWO DOORS

10.8 m



34 passengers seats + 1 wheelchair space

#### THREE DOORS



30 passengers seats + 1 wheelchair space

### Crossway Low Entry Line

12 m



35 passengers seats + 1 wheelchair space

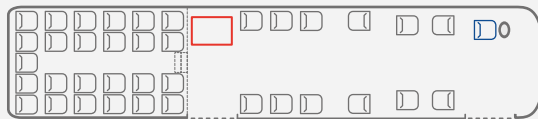


31 passengers seats + 1 wheelchair space

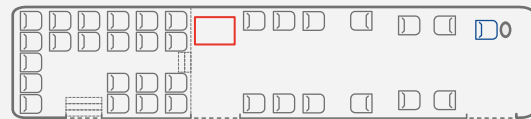


45 passengers seats + 1 wheelchair space

13 m



37 passengers seats + 1 wheelchair space



33 passengers seats + 1 wheelchair space



49 passengers seats + 1 wheelchair space

\*For more possibilities, please see with Iveco Bus commercial staff.

Passenger seats

Driver seat

Wheelchair space



## SEATS AVAILABILITY.

MODEL	STER 6MS	SCOLEO	LINEO Fix	LINEO
Crossway Low Entry City	■			
Crossway Low Entry Line		■	■	■

### Ster 6MS

Ideal for city and suburban vehicles, thanks to the main shell made of plastic, fast and easy upholstery assembly, low weight and modern design.



### Scoleo

All utility properties of Scoleo seats optimize the vehicle for school transport, including the possibility of anti-vandalism backrest shell.



### Lineo Fix & Lineo

Intended for regular line transport, predominantly the peri-urban and intercity regional operation type of transport. The comfortable firm-back seat shape is an ideal ergonomic solution.



# QUALITY

## TOP CONTROLS.

### Quality control in the Vysoké Mýto factory among the top ones worldwide

The entire production process is managed by WCM programme (World Class Manufacturing), derived and based on experience and practice of Japanese carmakers. The essential principle of this system is quite simple, but strict: the defective product must be detected directly on the workplace where the error occurred, and each failure must be corrected immediately.

The primary target is to create a process where no defective spare parts can emerge. That is the reason why we keep introducing new production procedures and improving the old proven ones.

We also use 2D and 3D laser centres, welding robots, giant mobile and stationary 3D scanners to control dimensions of the whole frames precisely. Our unique painting shop ensures a high lifespan of the vehicles' bodies. It is based on cataphoresis working on the electro-chemical galvanization principle. For this purpose we use a unique cataphoresis tank with the capacity of 300 m<sup>3</sup>. The final paint is made in fully robotized painting boxes.

The whole effort would be vain without a flawless assembly. The process is controlled centrally, the operation of important instruments is monitored online by the controlling server via Wi-Fi. If an anomaly is discovered, it gives orders to remedy the flaw in real time.

The production process of each vehicle is concluded with a series of so-called diagnostic tests.

All vehicles are tested on the road before the expedition and delivery to the client.







# SAFETY

## ADVANCED SAFETY SYSTEMS.

### Brake control

It integrates basic functions such as:

- + ABS (Anti-lock braking system)
- + ASR (Anti Slip Regulation)

Quicker response time and shorter braking distance

- + ESP (Electronic Stability Program)

Lower risk of the loss of control of the vehicle

### Cataphoresis

The vehicle, its structure and components are protected with anti-corrosion treatment by cataphoresis, the most efficient industrial solution against corrosion.

### Compliance with the standard R66/02

It guarantees a survival cell in the event of vehicle rollover.  
With IVECO BUS solutions, safety remains the best, without increasing the vehicle weight.

Crosspart



Crossparts in dual phase steel





Your partner for sustainable transport

IVECO FRANCE | PARC TECHNOLOGIQUE DE LYON  
9, ALLÉE IRÈNE JOLIOT-CURIE | 69800 SAINT-PRIEST – FRANCE | [WWW.IVECOBUS.COM](http://WWW.IVECOBUS.COM)

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