Irizar i8

Technical specifications



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Irizar i8
A technological masterpiece

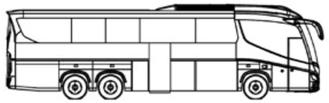
At Irizar we adapt to the specific demands of every market and client. And we offer the possibility to personalise your vehicle with endless configurations for both right and left hand drive.

Dimensions

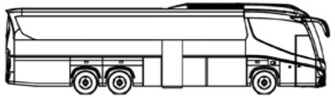
Length	From 12.4 (2 axles) to 15 m (3 axles)
Height	3.980 mm
Width:	2.550mm



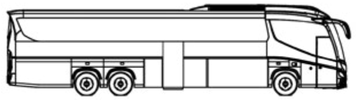
12.4 m



13.22 m



14.07 m



14.98 m

**The configurations may vary depending on the country.*



The driver is our focus

The dashboard area is especially comfortable and has been designed taking into account maximum satisfaction of the driver. The instruments and navigation screens have been situated to facilitate their viewing, and all the controls are ergonomically and user friendly located in order to manipulate them easily and intuitively. Handling of the systems has been radically improved by means of the swivelling control (joystick), rapid access buttons to menus and a colour touch-screen.

The modern functionality of the HMI, the central console with its simple, rapid access menu (cameras, GPS, media, telephone, climate...) that integrates all the electronic systems, stands out.

The comfort of the driver at the controls of the Irizar i8 is also enhanced by the adaptability of the steering wheel and driver's seat, optimal visibility of the rear-view mirrors and the ability to regulate the air conditioning vents.

DRIVER AND GUIDE	
Carpet fabric driver and guide seat	
Black leather driver and guide seat	*optional*
Driver's seat armrest	*optional*
Heated driver seat	*optional*
Multifunction leather steering wheel	*optional*
Third windscreen wiper	*optional*
Driver's seat microphone	
Guide microphone	
Wireless microphone for guide	*optional*
Driver flex-lamp	*optional*
Guide flex-lamp	SEP
Compartment for driver and guide on trays luggage rack	
Tire pressure and temperature sensor	
Heated windscreen	*optional*
Heated mirror	
Safe for driver	
Refrigerator in dashboard	
Storage on top of refrigerator and next to guide	



And a unique passenger experience

The spaciousness and optimal layout of the passenger cabin, the carefully designed ergonomics of the seats, the reduced levels of noise emission and vibrations and the versatile fixtures and fittings all enhance passenger comfort. The passenger space has also been enlarged at the back and in the aisle width (60 and 20 mm respectively), to give passengers exceptional comfort and guarantee an unforgettable experience.



PASSENGER AREA	
Stainless steel handrail	
Carpeted i8 seat (vertical/horizontal design)	
i8 seats with synthetic leather headrests. (vertical/horizontal design)	
i6 seats with leather inserts	*optional*
Extra padded seats	SEP
2 handrails at the rear	
Clothing rack	*optional*
Small table	*optional*
Magazine rack	*optional*
Central arm rest	*optional*
Foot rest	*optional*
2-point safety belt	
3-point safety belt	*optional*
Individual air conditioning and LED lighting	
Luggage compartment covers	*optional*
Carpeting in the aisle, driver's area and foot rest (exclusively i8)	*optional*
Exclusive wood effect i8 floor	
Waste bin at entrance and central door	
WC in central footboard / rear WC on floor (includes smoke detector)	*optional*
Restroom with sensor tap	
Restroom with stainless steel elements	
USB / 220V in every pair of seats	*optional*
Individual entertainment system	*optional*

Equipment

ELECTRICITY AND ELECTRONICS	
22" front monitor	*optional*
Multiplexed system	
HMI that integrates: climate, audio, video, communication media, cameras, Sat Nav, bluetooth, settings, etc.	
Integrated Sat Nav (Tele Atlas maps)	
Rain sensor for automatic windscreen wipers	
Bluetooth	
BOSCH Professional line audio equipment	
15" second and third monitor	*optional*
18.5" second and third monitor	*optional*
19" folding Bosch monitor	*optional*
TV Tuner	*optional*
Central camera	
Roadway camera	*optional*
Digital clock	
Parking sensors	*optional*
Rear camera	*optional*
Inside and outside LED lighting	
GPS connected to screens	*optional*
Front, side and rear destination signs	*optional*
Wi-Fi	*optional*
PRM elevators	*optional*
Electric key for opening + button on front door	
Remote control opening and alarm	*optional*
Contact sensors of covers	*optional*
Driver Fatigue Detection Systems	*optional*

HEATING AND VENTILATION SYSTEM	
Air Conditioning: Dual zone climate control unit	
Heating system	
Artica climate control unit	SEP
Programmable Pre-heater	SEP
Convector in WC	SEP

OTHERS	
Retractable step on the middle door	
Driver's bed (includes smoke detector)	*optional*
Vacuum cleaner	*optional*
Galley close to the central entrance	*optional*
Front headlamps	
Stainless steel structure	*optional*
Double glazing	SEP
Extra-stained side windows	
Tinted side windows	*optional*
Fire detection system in the engine area	
Fire extinguishing system in the engine area	*optional*
Air purifier	*optional*
Additional fuel tanks	*optional*
Pre-fitting for trailer hook	*optional*
Aluminium wheels	
Alcoa Durabright aluminium wheels	*optional*
Ski rack attachment system	*optional*
Pneumatic luggage compartment covers	
Ski rack over the rear wheel bucket	
Under floor KS8b lift	*optional*

Propulsion systems

Diesel, biodiesel and HVO Whole vehicle Irizar brand

	MX11 330	MX13 355	MX13 390
Disposition of cylinders	6 in-line cylinders	6 in-line cylinders	6 in-line cylinders
Cylinder capacity	10.8 l	12.9 l	12.9 l
Valves	24 V	24 V	24 V
Power supply	Common-Rail	Common-Rail	Common-Rail
	Variable geometry turbo	Variable geometry turbo	Variable geometry turbo
Maximum power	330 Kw	355 Kw	390 Kw
	449 hp	483 hp	530 hp
	(1,600 rpm)	(1,600 rpm)	(1,675 rpm)
Maximum torque	2.300 Nm	2.500 Nm	2.600 Nm
	(900-1,125 rpm)	(900-1,125 rpm)	(1,000-1,400 rpm)
Emissions compliance	EURO 6-E	EURO 6-E	EURO 6-E



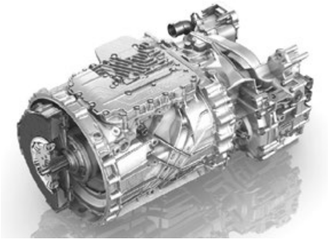
ZF Ecolife Coachline

Six speed automatic change with torque converter

Can transmit torque up to 2350 Nm

ZF Retarder with three brake stages included.

Electronics with advanced software for optimum fuel consumption.



Traxon

12-speed automated manual gearbox.

Can transmit torque up to 2800 Nm.

ZF Power intarder with 3 brake stages.

Electronics with advanced software for optimum consumption.



ZF Axles

Front axle RL82EC and rear axle A133. In case of three axles, RL82EC third steering axle. Independent front and third-axle suspension as standard.

Electronically-controlled air suspension (ECAS) to achieve optimum stability and comfort

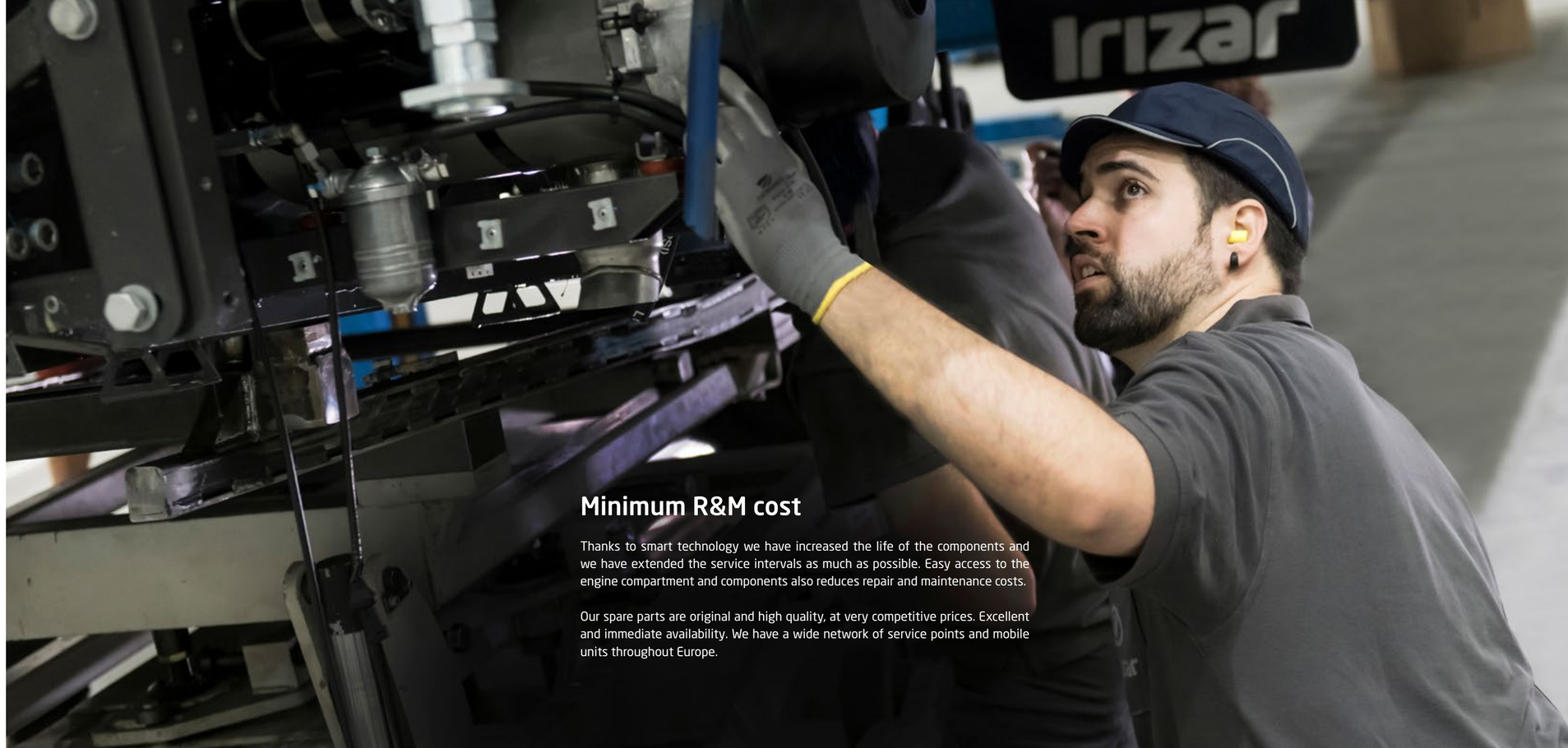
Braking system with ABS, ASR, ESC, BFD... electronically controlled by the EBS. Disc brakes on all wheels.

Reduction in fuel consumption

The efficiency and optimal performance of the power trains and components of our coaches offer major savings through fuel and emissions reduction.

Weight reduction, improved aerodynamics and power on demand technology also contribute to this reduction.

Driving style has a big impact on fuel consumption. The ease with which our vehicles can be driven and our driver assistance systems, as well as our eco-driving services can contribute to significant savings.



Minimum R&M cost

Thanks to smart technology we have increased the life of the components and we have extended the service intervals as much as possible. Easy access to the engine compartment and components also reduces repair and maintenance costs.

Our spare parts are original and high quality, at very competitive prices. Excellent and immediate availability. We have a wide network of service points and mobile units throughout Europe.

Leading the way in safety

To help prevent accidents and create a safer suburban environment, our buses are fitted with the latest active safety systems.

*Front collision warning**

Warns of an impending forward collision, giving the driver enough time to react.

*Connected vehicle**

Up to 3% fuel savings, thanks to maximum efficiency in the advance management of road conditions. Using GPS technology, it uses detailed map information and predicts the road conditions that are about to be encountered, adjusting the speed set in the cruise control.

*Road sign and excess speed recognition**

System that recognises road signs and speed limit signs, as well as additional signs. It reads the sign and notifies the driver if they are going over the speed limit indicated on the sign.

*Smart high beam control**

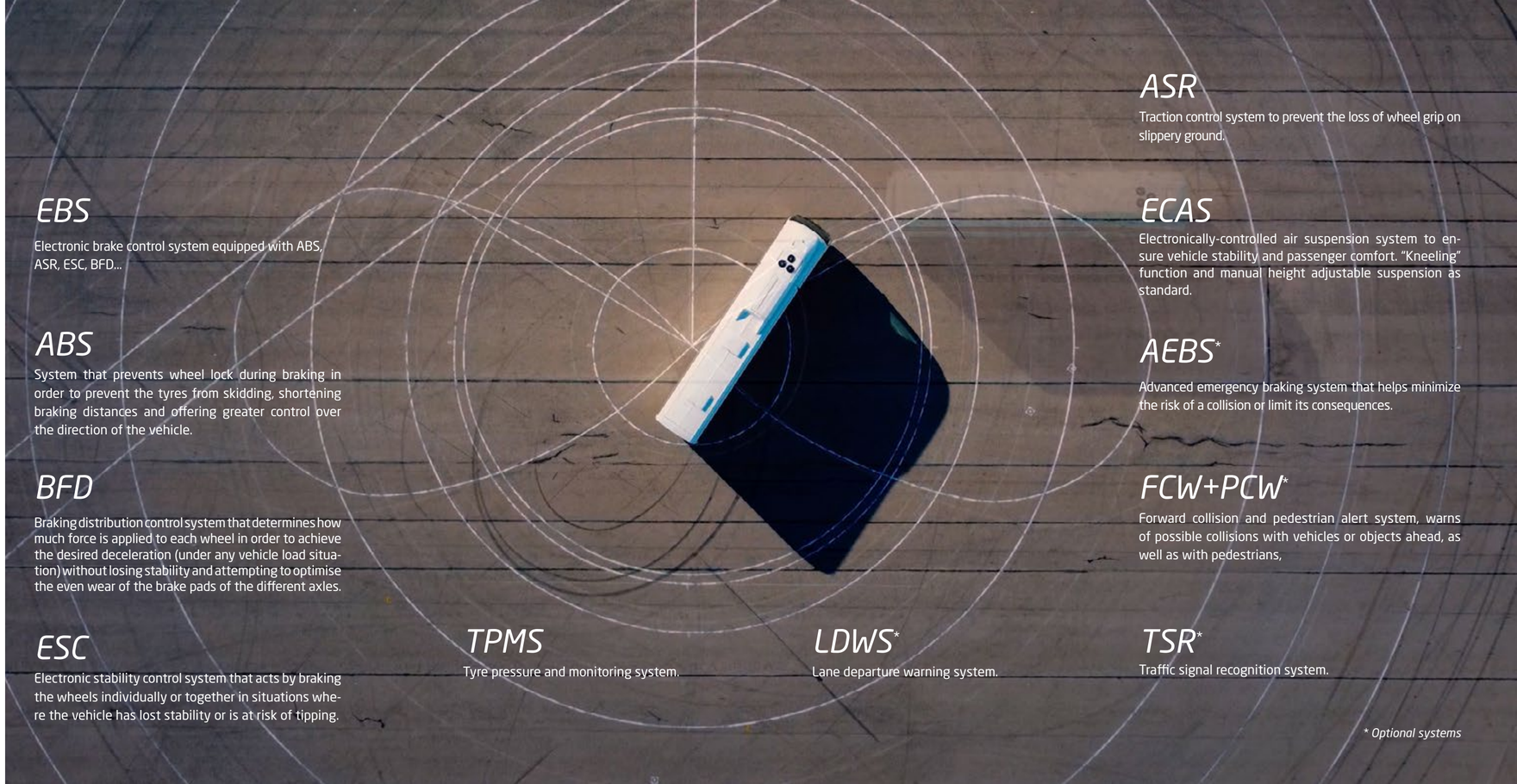
Automatic system for switching from full beam to dipped beam in order not to dazzle other drivers.

*Safety distance monitoring**

Safety distance monitoring warns the driver if they are driving at an unsafe distance from the previous vehicle.

*Pedestrian collision warning**

Daytime warning with visual alerts of an impending collision with a cyclist or pedestrian.



EBS

Electronic brake control system equipped with ABS, ASR, ESC, BFD...

ABS

System that prevents wheel lock during braking in order to prevent the tyres from skidding, shortening braking distances and offering greater control over the direction of the vehicle.

BFD

Braking distribution control system that determines how much force is applied to each wheel in order to achieve the desired deceleration (under any vehicle load situation) without losing stability and attempting to optimise the even wear of the brake pads of the different axles.

ESC

Electronic stability control system that acts by braking the wheels individually or together in situations where the vehicle has lost stability or is at risk of tipping.

TPMS

Tyre pressure and monitoring system.

*LDWS**

Lane departure warning system.

ASR

Traction control system to prevent the loss of wheel grip on slippery ground.

ECAS

Electronically-controlled air suspension system to ensure vehicle stability and passenger comfort. "Kneeling" function and manual height adjustable suspension as standard.

*AEBS**

Advanced emergency braking system that helps minimize the risk of a collision or limit its consequences.

*FCW+PCW**

Forward collision and pedestrian alert system, warns of possible collisions with vehicles or objects ahead, as well as with pedestrians,

*TSR**

Traffic signal recognition system.

** Optional systems*

Efficiency and sustainability hand in hand

At Irizar, sustainable mobility goes hand in hand with operational efficiency. We have a wide range of buses and coaches in addition to technological solutions that can be adapted to our clients' needs: electric zero-emissions buses, hybrid coaches, and natural gas, diesel and biodiesel coaches. Furthermore, a long distance hydrogen powered zero-emissions coach is being developed.

A wide range of options covering all market segments: city buses, suburban, medium- and long-distance coaches for both regular, occasional and premium services. Our vehicles provide the maximum level of security, reliability and energy efficiency.



We offer the right vehicle for each operation, thus optimizing energy efficiency and minimizing environmental impact and noise levels.

Always by your side - Our Services

Guaranteed vehicle reliability and availability

Our coaches undergo rigorous reliability tests before they are marketed. They are currently operating on5 continents in extreme conditions.

They include robust, reliable tried and tested technology and components, to reduce down-time and increase availability and use.

They are also designed to facilitate maintenance and make diagnostic capability.



Turnkey projects and services that meet customer needs.

Repair and maintenance contracts.

Close, customised attention and advice. *Integral vehicle*

We provide a complete range of services that makes it possible to keep the coaches in optimal condition, improve performance, minimise emissions and lower operating costs.

- Wide service network and mobile units with trusted technicians.

- Training courses to ensure that their safety and repair and maintenance performance is always of the highest quality.

- iService platform (catalogue, e-shop Help Desk, order tracking ...) for service management.

- 24/7, 365 days a year. *Integral vehicle*

- Warranty period extension

- Immediate availability of quality original spare parts at very competitive prices.

- Fleet manager with advanced technology that integrates the iPanel into every client's specific processes. This enables comprehensive monitoring of cost and driving efficiency, resulting in constant improvement in safety, performance and profitability.

- Comprehensive electronic management and monitoring solutions for predictive maintenance. The collected operational data is analysed to predict and schedule vehicle maintenance and ensure maximum uptime.

- Eco-driving courses to teach drivers to drive more efficiently and safely, providing significant benefits in terms of increased activity time, improved safety and reduced operating costs.

Zumarraga bidea, 8
20216 Ormaiztegi (Gipuzkoa) | Spain
T +34 943 80 91 00 | **F** +34 943 88 91 01
irizar@irizar.com | www.irizar.com