

# **Irizar i6**

*Technical specifications*

**Irizar i6**





## *Irizar Virtual Cockpit*

Virtual clock box that offers innovative technological and quality functions. The high resolution 12.32" colour display has a dynamic and intuitive design and displays comprehensive information in flexible form that can be adapted to any needs arising at any time.

The Irizar virtual cockpit offers all the necessary information in an attractive colour design, with fixed elements on the screen combined with dynamic elements that are shown in the central window, depending on the information requested by the driver at the time. It is controlled using the multifunction steering wheel plus - the steering wheel switches are used to navigate the system menus.

# *The latest generation of buses and coaches*

## *Smarter and more efficient*

### *Total Operating Costs*

Thanks to Irizar's smart technology, Total Operating Costs have been reduced by more than 6%.

### *Eco mode*

Enables the driver to drive more economically, reducing fuel consumption due to smoother driving.

### *EcoRoll mode*

Enables the vehicle to roll "freely" on downhill slopes when cruise control is activated. The improvement of this function results in greater fuel savings.

### *6% fuel reduction*

Greater efficiency and optimum performance of the engine and all its components achieving a reduction in fuel consumption of up to 6%.

### *More sustainable*

Integration of the most advanced emission reduction technology in advance of the new European regulations.

### *Repair and maintenance*

Improved engine compartment access to reduce repair and maintenance costs.

### *Service network*

Close and personal customer service, with a fully guaranteed complete repair, tune-up and maintenance service 24 hours a day and 365 days a year.

### *Power on demand*

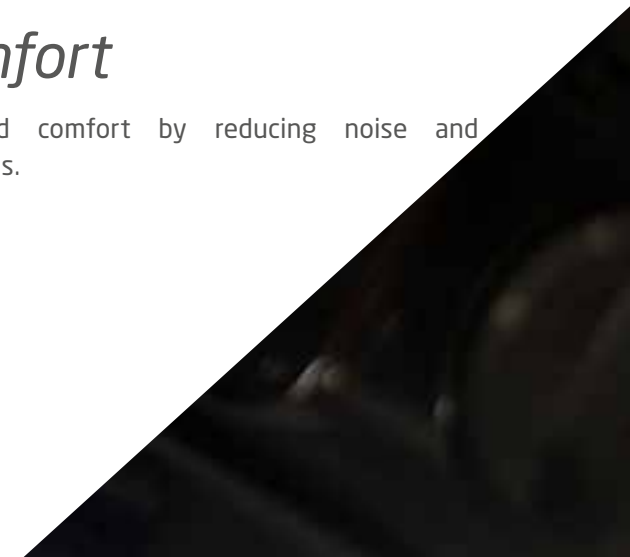
Thanks to our power on demand technology, consumption has been further reduced, component life increased and maintenance intervals lengthened as much as possible.

### *Passenger capacity*

Improved weight distribution and increased passenger capacity and manoeuvrability. Overall weight has been reduced by more than 300 kilos.

### *Comfort*

Increased comfort by reducing noise and vibrations.



# *Passenger safety*

## *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 on the road, shortening braking distances and offering greater control over the direction of the vehicle.

## *AEBS*

Autonomous emergency braking system that prevents collision with moving vehicles ahead or minimises the impact of the collision in the case of stationary vehicles ahead.

## *TPMS*

Tyre pressure monitoring system.

## *ACC*

System that adjusts the vehicle's cruise control speed in order to maintain a predefined distance, which can be selected by the driver, from the vehicle in front.

## *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.

## *LDWS*

System that warns the driver when the vehicle begins an unintentional lane departure.

## *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. Third-axle suspension control based on weight distribution to the drive shaft in order to provide optimal traction at all times.

## *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.



## *Forward 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 speed limit 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.

## *Intelligent full beam control*

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

## *Safety distance monitoring*

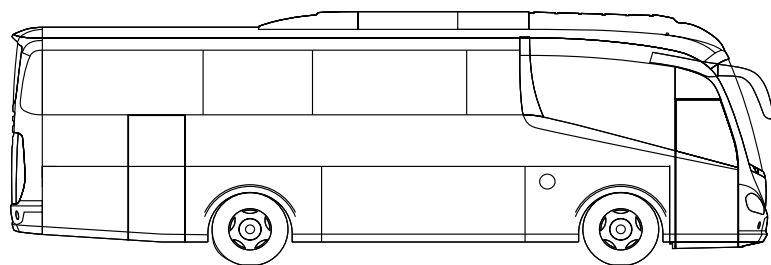
Safety distance monitoring warns the driver if they are driving at an unsafe distance from the previous vehicle.

## *Pedestrian collision warning*

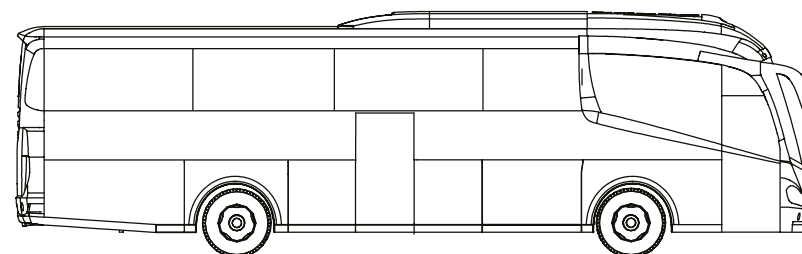
Daytime warning with visual alerts of an impending collision with a cyclist or pedestrian.

*\* Optional*

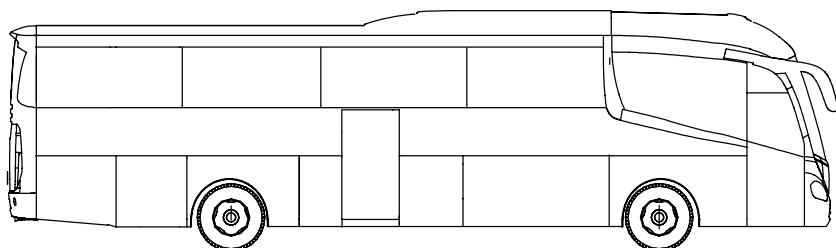
## *Available configurations*



**108.35**

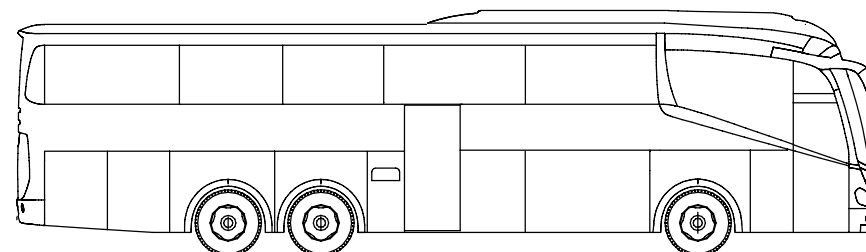


**12.35**



**13.35**

*\* Configurations may vary depending on the selected country.*



**14.35**

## General information (integral vehicle)

|                                                    | <b>10.8m<br/>3.5m</b>                    | <b>12m<br/>3.5m</b> | <b>13m<br/>3.5m</b> | <b>14m<br/>3.5m</b> |
|----------------------------------------------------|------------------------------------------|---------------------|---------------------|---------------------|
| Length                                             | 10,780mm                                 | 12,200mm            | 12,920mm            | 14,070mm            |
| Height                                             | 3,731mm                                  | 3,731mm             | 3,731mm             | 3,731mm             |
| Width                                              | 2,550mm                                  | 2,550mm             | 2,550mm             | 2,550mm             |
| Front overhang                                     | 2,090mm                                  | 2,690mm             | 2,690mm             | 2,690mm             |
| Rear overhang                                      | 3,410mm                                  | 3,410mm             | 3,410mm             | 3,510mm             |
| Distance between axles (front-drive)               | 5,280mm                                  | 6,100mm             | 6,820mm             | 6,370mm             |
| Distance between axles (drive-third steering axle) | -                                        | -                   | -                   | 1,500mm             |
| Front door width                                   | 900mm                                    | 900mm               | 900mm               | 900mm               |
| Rear door width                                    | 900mm / 800mm**                          | 900mm               | 900mm               | 900mm / 800mm**     |
| Free-standing aisle height                         | 2,060mm                                  | 2,060mm             | 2,060mm             | 2,060mm             |
| First step height                                  | 360mm                                    | 360mm               | 360mm               | 360mm               |
| Turning circle                                     | 21,174mm                                 | 23,200mm            | 24,290mm            | 23,396mm            |
| Luggage compartment volume (approx.)               | 6.5m <sup>3</sup> / 6.9m <sup>3</sup> ** | 9.1m <sup>3</sup>   | 11.43m <sup>3</sup> | 11.3m <sup>3</sup>  |
| - with WC (approx.)                                | -0.9m <sup>3</sup> / -**                 | -1m <sup>3</sup>    | -1m <sup>3</sup>    | -1m <sup>3</sup>    |
| - with driver's bunk (approx.)                     | -                                        | -1.8m <sup>3</sup>  | -1.8m <sup>3</sup>  | -1.8m <sup>3</sup>  |

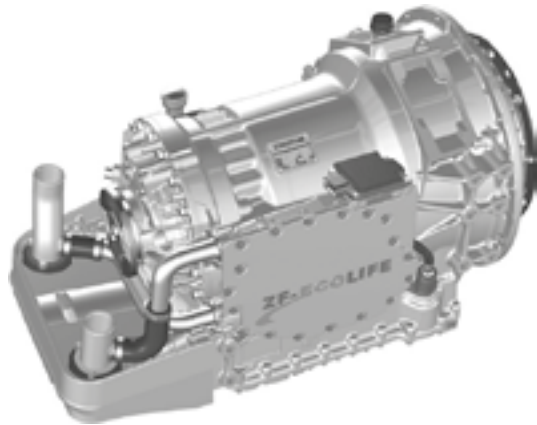
*\*The information shown above may vary depending on the selected country, powertrain and configuration.*

*\*\*Rear toilet on the floor / rear door*

## *Powertrain information (integral design vehicle)*

|                      | <b>MX11 300</b>           | <b>MX11 330</b>           | <b>MX13 355</b>           |
|----------------------|---------------------------|---------------------------|---------------------------|
| Cylinder arrangement | 6 cylinder in-line        | 6 cylinder in-line        | 6 cylinder in-line        |
| Piston displacement  | 10.8 l.                   | 10.8 l.                   | 10.8 l.                   |
| Valves               | 24V                       | 24V                       | 24V                       |
| Feed                 | Common-Rail               | Common-Rail               | Common-Rail               |
|                      | Variable-geometry turbine | Variable-geometry turbine | Variable-geometry turbine |
| Maximum power        | 300 Kw                    | 330 Kw                    | 355 Kw                    |
|                      | 408 hp                    | 449 hp                    | 483 hp                    |
|                      | (1,600 rpm)               | (1,600 rpm)               | (1,600 rpm)               |
| Maximum torque       | 2,100 Nm                  | 2,300 Nm                  | 2,500 Nm                  |
|                      | (900-1,125 rpm)           | (900-1,125 rpm)           | (900-1,125 rpm)           |
| Emissions compliance | EURO 6-D                  | EURO 6-D                  | EURO 6-D                  |





## ZF Ecolife

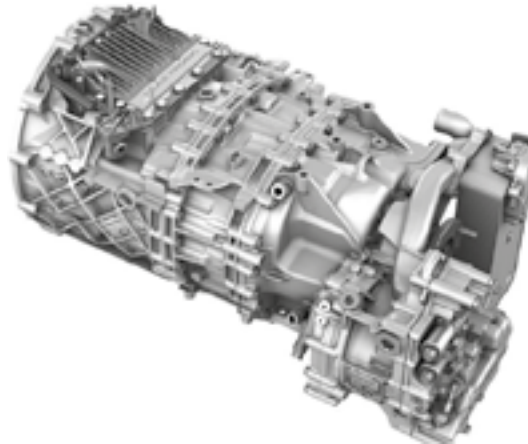
6-speed automatic transmission with torque converter.

Capable of transmitting torques of up to 2,300 Nm.

Inbuilt ZF Power Retarder with 3 brake points.

Electronic with advanced software for optimal fuel consumption.

*\*Available for MX11 engine.*



## ZF AS Tronic

Fully automated 12-speed manual transmission.

Capable of transmitting torques of up to 2,700 Nm.

Inbuilt ZF Power Intarder with 3 brake points.

Electronic with advanced software for optimal fuel consumption.



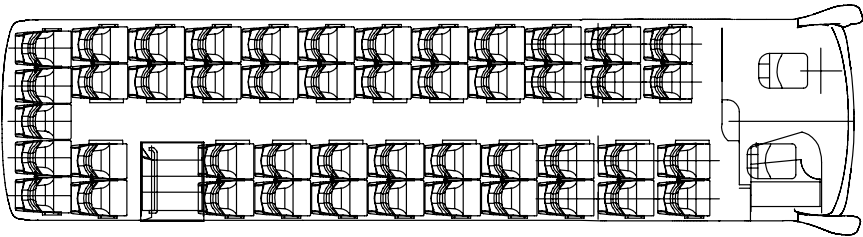
## ZF Axles

RL82EC front axle and A132 rear axle. In case of three axles, RL82EC third steering axle. Independent front and third-axle suspension as standard.

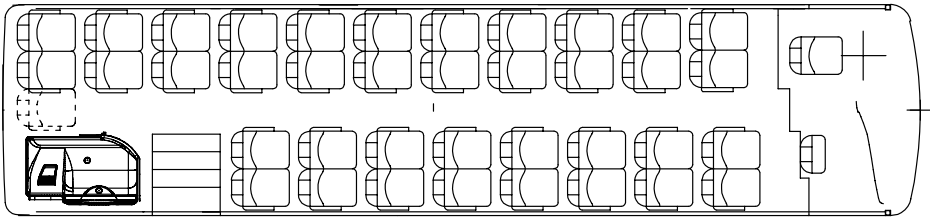
Electronically-controlled air suspension (ECAS) to achieve optimum stability and comfort.

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

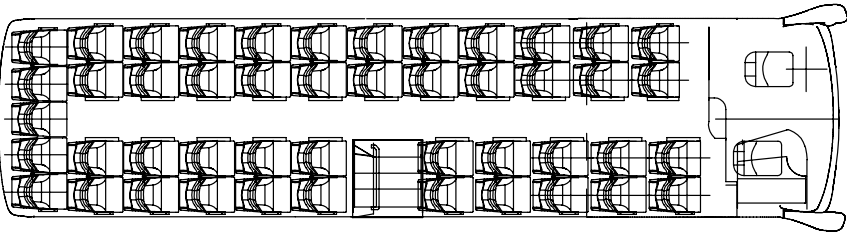
# Seat distribution: 10.8m



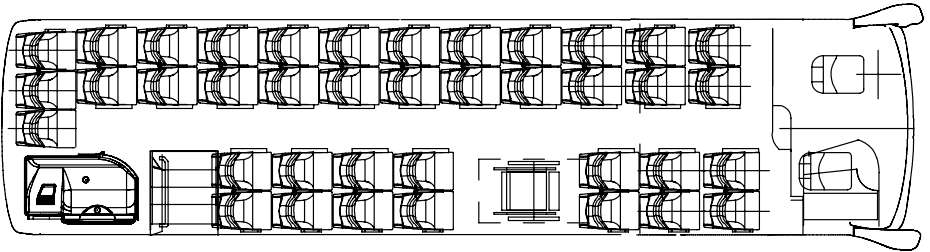
| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| No         | No      | No  | 47+1+1       | 710mm      | ★★★★           |
| Yes (rear) | No      | No  | 43+1+1       | 715mm      | ★★★★           |



| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (rear) | No      | No  | 39+1+1       | 790mm      | ★★★★★          |
| Yes (rear) | No      | No  | 41+1+1       | 710mm      | ★★★★           |



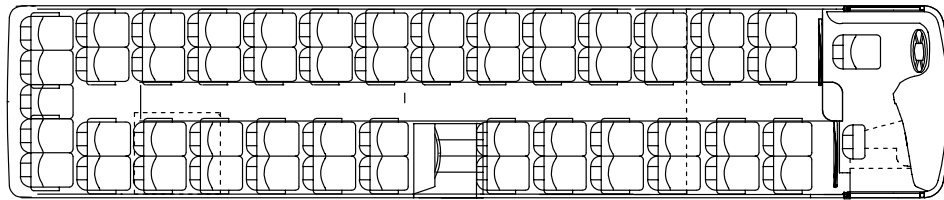
| WC | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|----|---------|-----|--------------|------------|----------------|
| No | No      | No  | 47+1+1       | 715mm      | ★★★★           |
| No | No      | No  | 41+1+1       | 790mm      | ★★★★★          |



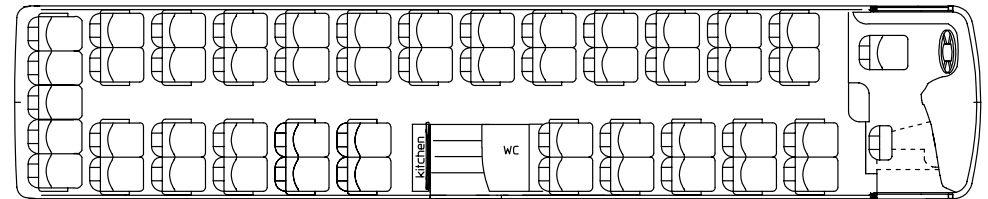
| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (rear) | No      | 1   | 39+1PRM+1+1  | 715mm      | ★★★★           |
| Yes (rear) | No      | 8   | 13+8PRM+1+1  | -          | -              |

Check specific distribution options. Some of the distribution options shown may not be available depending on the selected powertrain.  
680mm ★★★★★ 680mm - 740mm ★★★★★ 740mm - 810mm ★★★★★

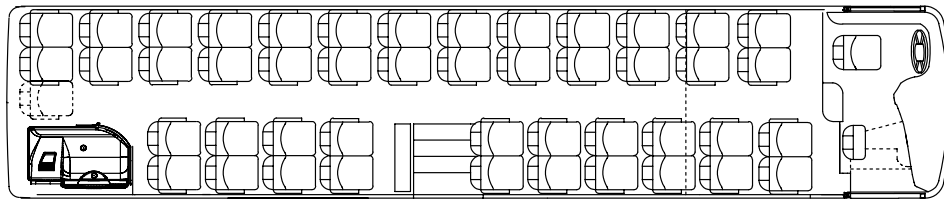
## Seat distribution: 12m



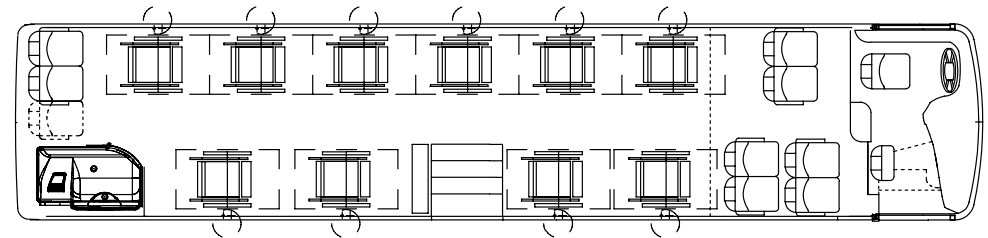
| WC       | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|----------|---------|-----|--------------|------------|----------------|
| Low / No | No      | No  | 55+1+1       | 710mm      | ★★★★★          |
| Low / No | No      | No  | 53+1+1       | 710mm      | ★★★★★          |
| Low / No | No      | No  | 51+1+1       | 750mm      | ★★★★★          |



| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (high) | Yes     | No  | 49+1+1       | 770mm      | ★★★★★          |
| Yes (high) | Yes     | No  | 51+1+1       | 710mm      | ★★★★★          |
| Yes (high) | Yes     | No  | 45+1+1       | 800mm      | ★★★★★          |



| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (rear) | Yes     | No  | 47+1+1       | 740mm      | ★★★★★          |
| Yes (high) | No      | No  | 53+1+1       | 710mm      | ★★★★★          |
| Yes (high) | No      | No  | 51+1+1       | 710mm      | ★★★★★          |

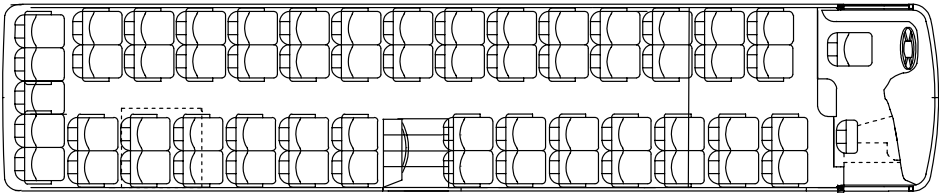


| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (rear) | Yes     | 10  | 9+10PRM+1+1  | -          | -              |
| No         | No      | 11  | 10+11PRM+1+1 | -          | -              |
| Yes (high) | Yes     | 10  | 10+10PRM+1+1 | -          | -              |

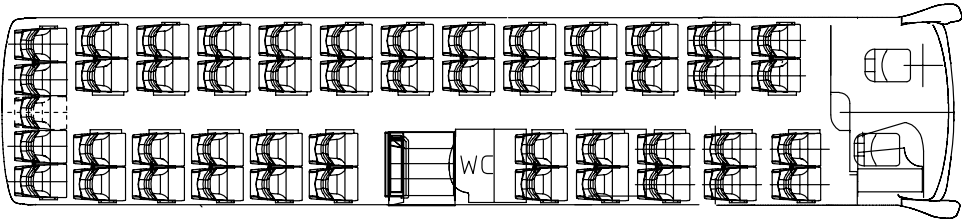
Check specific distribution options. Some of the distribution options shown may not be available depending on the selected powertrain.

680mm ★★★★★ 680mm - 740mm ★★★★★ 740mm - 810mm ★★★★★

# Seat distribution: 13m



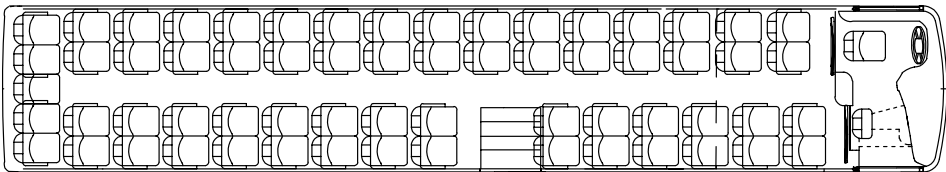
| WC       | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|----------|---------|-----|--------------|------------|----------------|
| Low / No | No      | No  | 59+1+1       | 710mm      | ★★★★★          |
| Low / No | No      | No  | 57+1+1       | 710mm      | ★★★★★          |
| Low / No | No      | No  | 55+1+1       | 750mm      | ★★★★★          |



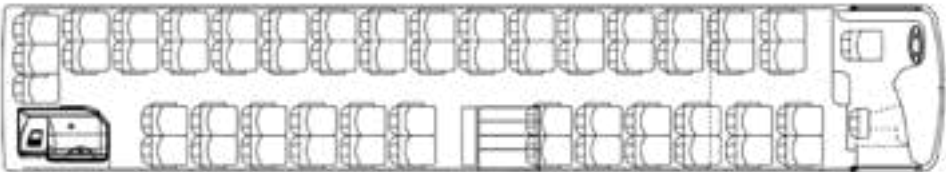
| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (high) | Yes     | No  | 49+1+1       | 800mm      | ★★★★★          |
| Yes (high) | No      | No  | 57+1+1       | 710mm      | ★★★★★          |
| Yes (high) | Yes     | No  | 55+1+1       | 710mm      | ★★★★★          |

Check specific distribution options. Some of the distribution options shown may not be available depending on the selected powertrain.  
 680mm ★★★★★ 680mm - 740mm ★★★★★ 740mm - 810mm ★★★★★

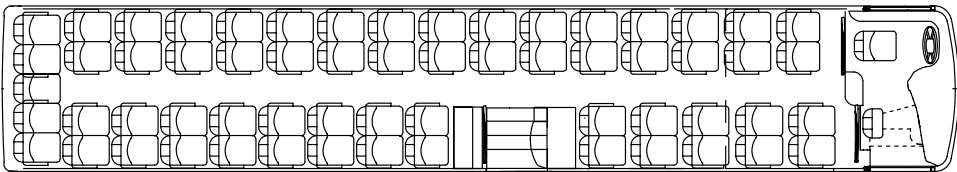
# Seat distribution: 14m



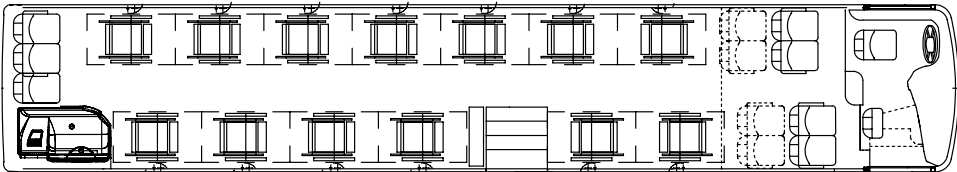
| WC       | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|----------|---------|-----|--------------|------------|----------------|
| Low / No | No      | No  | 63+1+1       | 730mm      | ★★★★★          |
| Low / No | No      | No  | 59+1+1       | 750mm      | ★★★★★★         |
| Low / No | No      | No  | 57+1+1       | 780mm      | ★★★★★★         |



| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (rear) | Yes     | No  | 57+1+1       | 740mm      | ★★★★★          |
| Low / No   | Yes     | No  | 53+1+1       | 850mm      | ★★★★★★         |
| Low / No   | No      | No  | 55+1+1       | 800mm      | ★★★★★★         |



| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (high) | Yes     | No  | 61+1+1       | 720mm      | ★★★★★          |
| Yes (high) | Yes     | No  | 59+1+1       | 730mm      | ★★★★★          |
| Yes (high) | Yes     | No  | 57+1+1       | 780mm      | ★★★★★★         |



| WC         | Kitchen | PRM | No. of seats | Min. Dist. | Classification |
|------------|---------|-----|--------------|------------|----------------|
| Yes (rear) | Yes     | 13  | 11+13PRM+1+1 | -          | -              |
| Low / No   | No      | 1   | 57+1PRM+1+1  | 730mm      | ★★★★★          |
| Low / No   | No      | 2   | 53+2PRM+1+1  | 730mm      | ★★★★★          |

Check specific distribution options. Some of the distribution options shown may not be available depending on the selected powertrain.

680mm ★★★★★ 680mm - 740mm ★★★★★ 740mm - 810mm ★★★★★

# Equipment

## HEATING AND VENTILATION SYSTEM

|                                                  |     |
|--------------------------------------------------|-----|
| Air conditioning: Bizonal climate control system | •   |
| Heating system                                   | •   |
| Artic Heating/Isolation system                   | ACS |
| Programmable Pre-heater                          | ACS |
| Convactor fan in WC                              | ACS |

## DRIVER AND GUIDE

|                                                 |     |
|-------------------------------------------------|-----|
| Moquette driver and guide seat                  | •   |
| Black leather driver and guide seat             | ◦   |
| Driver seat armrest                             | ◦   |
| Swivelling driver seat                          | ◦   |
| Heated driver seat                              | ◦   |
| Multifunction steering wheel                    | •   |
| Multifunction leather steering wheel            | ◦   |
| Third windscreen wiper                          | ◦   |
| Driver-microphone                               | •   |
| Driver seat mounted microphone                  | ◦   |
| Guide-microphone                                | •   |
| Wireless microphone for guide                   | ◦   |
| Driver flex map light                           | ◦   |
| Guide flex map light                            | ACS |
| Luggage-racks locker for driver and guide       | •   |
| Tyre pressure and heat sensor monitoring system | •   |
| Heated windscreen                               | ◦   |
| Drivers safe                                    | •   |
| Refrigerator in dashboard                       | •   |
| Rain sensor                                     | •   |
| Light sensor                                    | •   |

ACS= According to Country Standard

• Standard equipment

◦ Optional equipment

# Equipment

## ELECTRICITY AND ELECTRONICS

|                                            |   |
|--------------------------------------------|---|
| Actia DVD equipment Actia front screen 22" | o |
| Bosch DVD equipment Actia front screen 22" | o |
| Bosch DVD equipment Bosch front screen 19" | o |
| Actia audio equipment                      | • |
| Bosch Classic line audio equipment         | o |
| Bosch Professional line audio equipment    | o |
| Actia 15" second and third screens         | o |
| Bosch 15" second and third screens         | o |
| Bosch 19" tilt-down monitor                | o |
| Digital TV Tuner                           | o |
| Camera over central stepwell               | o |
| Road camera                                | o |
| Digital clock                              | • |
| Parking sensors                            | o |
| Rear view camera                           | o |
| LED interior lighting                      | • |

|                                                                                                 |   |
|-------------------------------------------------------------------------------------------------|---|
| GPS connected to screens                                                                        | o |
| Front / side and rear destination signs                                                         | o |
| Wi-Fi Internet connection                                                                       | o |
| Lift for wheelchairs (behind rear axle - at central luggage compartment - on the traction axle) | o |
| Remote control opening and alarm                                                                | o |
| Contact sensors on luggage lockers                                                              | o |
| Driver Fatigue Warning System                                                                   | o |
| iPanel (Irizar FMS)                                                                             | o |

| PASSENGER AREA                                                              |   |
|-----------------------------------------------------------------------------|---|
| i6 plus seats in moquette fabric                                            | • |
| i6 plus seats with synthetic leather headrests                              | • |
| i6 plus seats with leather inserts                                          | o |
| Extra padded seats                                                          | o |
| Coat hook                                                                   | o |
| Table                                                                       | o |
| Magazine net                                                                | o |
| Central Armrest                                                             | o |
| Footrest                                                                    | o |
| 2-point safety belts on seats                                               | • |
| 3-point safety belts on seats                                               | o |
| Tecam seat fixing system                                                    | o |
| Individual air conditioning and LED lighting                                | • |
| Luggage rack locker lids                                                    | o |
| Carpet aisle, drivers area and rear                                         | o |
| Wooden effect floor                                                         | o |
| Waste bin at entrance and central door                                      | o |
| Central sunken toilet / rear floor mounted toilet (includes smoke detector) | o |
| USB / 220V plugs for every pair of seats                                    | o |
| Individual entertainment systems                                            | o |

| OTHERS                                        |     |
|-----------------------------------------------|-----|
| Driver's bunk (includes smoke detector)       | o   |
| Pneumatic luggage lockers                     | •   |
| Vacuum cleaner                                | o   |
| Kitchen next to central entrance              | o   |
| Bixenon front headlamps                       | o   |
| Stainless steel structure                     | o   |
| Double glazed windows                         | ACS |
| Extra-tinted side windows                     | ACS |
| Fire detection system in engine compartment   | •   |
| Fire suppression system in engine compartment | o   |
| Air purifier system                           | o   |
| Additional fuel tanks                         | o   |
| Towing hook                                   | o   |
| Alcoa Aluminium rim                           | •   |
| Alcoa Durabright aluminium rim (Black tag)    | o   |
| Ski box fixing system                         | o   |



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](http://www.irizar.com)