

A F R I W A Y



**IVECO**  
**BUS**

# AFRIWAY



## INTRODUCTION

The AFRIWAY is the ultimate passenger transport vehicle providing the Southern African bus market with an efficient, reliable, safe and cost effective transport solution.

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## AFRIWAY MODELS

Iveco 18.28M 4x2 front engine bus chassis with manual transmission fitted with the AFRIWAY bus bodywork

Iveco 18.28A 4x2 front engine bus chassis with automatic transmission fitted with the AFRIWAY bus bodywork



Iveco 26.28M 6x2 front engine bus chassis with manual transmission fitted with the AFRIWAY bus bodywork.

Iveco 26.28A 6x2 front engine bus chassis with automatic transmission fitted with the AFRIWAY bus bodywork.



## CHASSIS SPECIFICATION

MODEL	18.28M	18.28A	26.28M	26.28A
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### DIMENSIONS (mm)

Overall Length	12 210		13 990	
Overall Width	2 600			
Overall Height	3 663			
Front Overhang	2 605			
Rear Overhang	3 395		3 770	
Wheelbase	6 210			

### WEIGHTS (kg)

Manufacturer's Gross Vehicle Mass (GVM)	18 000		26 000	
Gross Combination Mass (GCM)	22 500		29 000	
Manufacturer's Front Axle Mass	7 500			
Manufacturer's Rear Axle Mass	11 500		11 500 + 8 000	
Permissible Maximum Vehicle Mass	17 700		25 400	
Permissible Maximum Front Axle Mass	7 500			
Permissible Maximum Rear Axle Mass	10 200		10 200 + 8 000	
Total Unladen Mass	10 250	10 280	13 130	13 160
Maximum Drawing Vehicle Mass (DT)	22 500		28 900	

### ENGINE

Type	IVECO Tector F4AE0681A			
Configuration	6 cylinders In-line - Euro 3 - Diesel			
Capacity (cm <sup>3</sup> )	5 880			
Maximum Power - kW @ r/min	202 @ 2 500			
Maximum Torque - Nm @ r/min	930 @ 1250-2100			

### TRANSMISSION

Make / Model	ZF9S1110TO	Voith Diwa 854.5	ZF9S1110TO	Voith Diwa 854.5
Number of Forward Gears	9	4	9	4
Manual / Automatic / Automated (AMT)	Manual	Automatic	Manual	Automatic
Rear Axle Ratio	4,89:1	5,63:1	4,89:1	6,14:1

### BRAKES

Service Brake	Full air system with two independent circuits ABS, single cylinder
Emergency Brakes	Combined with park brake Spring -brake cylinders on rear axles 225cm compressor Air dryer pressure regulating valve 3 x 15 litre air tanks

### FUEL TANK

Tank	280 litre aluminium tank mounted on the chassis (nearside)
Filtration	The chassis is fitted with 2 separate fuel filters - engine mounted main filter and chassis mounted pre-filter with hand primer

### STEERING

ZF 8090 power assisted recirculating ball type steering
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## AFRIWAY BUS BODYWORK

- Body structure - Corrosion protected mild steel tubular square and rectangular sections
- SABS 1563 - 'Roll-Over' compliant body structure
- Passenger entrance step manufactured of 2.5mm mild steel plate
- Retractable step connected to door mechanism with built in safety mechanism connected through the park brake.
- Passenger saloon floor in 2.5mm corrosion resistant 3CR12 steel plate bonded to the frame structure
- Tapping plates for the fitment of selected "optional extras" are incorporated into the basic body structure
- All structural and fabricated mild steel components are treated against corrosion prior to build and after welded construction
- Fixed type battery cradle fitted in front offside body side area
- Exterior body side panels of chromoprep - stretched panel between glazing and waist rails, and individual skirt panels bonded to structure -with reflective tape carrying aluminum molding over the panel joint
- One-piece exterior roof panel of moulded GRP
- Domes of moulded GRP - front curved and rear smooth
- Bumpers - One piece front and rear bumpers of moulded GRP are fitted
- Front windscreen - curved one-piece screen, rubber glazed to aperture
- Iveco front headlamps and indicators mounted in front dome, with two white LED marker lights on top of dome
- Incandescent curved type park / stop and indicator lights vertically mounted both sides of the rear dome and duplicated on top with LED type lights
- Electrical heated windscreen demister blower with vents in front dash directed to the windscreen
- Wiper system - two speed with intermittent pantograph type motor with windscreen washer system
- LED type reverse lights mounted in rear bumper
- Bodyside windows - 40% top sliders, tinted glass, rubber glazed to the apertures with radiused window corners
- Drivers door - Slam type, front hinged, with centre sliding window and door check mechanism
- A fully adjustable pneumatic driver's seat trimmed in cloth or vinyl is fitted
- Passenger entrance door - Two leaf jack-knife door pneumatically operated
- Two LED type lights fitted, one at the entrance step and one in the drivers cab area, which switches on automatically when doors are opened
- Interior saloon lighting - eight off LED type surface mounted lights fitted to the ceiling interior (10 off in 6x2)
- Bus stop bell pushes fitted opposite each interior light and one fitted at the driver's rear partition
- Interior panels - body sides and ceiling in Formica paneling -front header box and rear interior panel of moulded GRP
- Ceiling and saloon body sides insulated with polystyrene
- Floor covering - Altro PVC (colour Zeal) - with PVC welded seams
- GRP moulded dash and fabricated engine and transmission access trap doors, all fully insulated
- GRP moulded partition and modesty screen at the entrance with half height driver's rear partition
- One ceiling handrail, and all partitions of 30mm diameter tubing, powder coated yellow
- Two emergency exit roof hatches are fitted
- Service doors fitted for access to fuel tank, and battery compartment - with gas stays and budget locks
- Two exterior and one interior mirror fitted
- Driver's sun visor fitted
- Mud flaps are fitted behind all road wheels
- The spare wheel carrier is centre mounted behind the rear wheels
- Provision for destination equipment in the front header box
- Fire extinguisher, 9 kg dry powder type fitted in the driver's compartment
- Painting - Exterior body in white. Window and windscreen surrounds painted black. Reflective tape applied at waist level
- Stone-chip resistant underbody coating is applied after body manufacture



## BUS BODYWORK – OPTIONAL EXTRAS

### DOORS

- Coach slam door in lieu of two leaf jack knife door

### INTERIOR FITTINGS

- Interior parcel racks powder coated perforated steel type
- Interior parcel racks steel type covered in vinyl/cloth to match seat trim
- Interior parcel racks ducted type for A/C. Trimmed with cloth to match the seats excluding reading lights and jet vents
- Drivers nearside enclosure - tubular type with clamped glass and pay desk.
- Bodyside curtains in saloon

### LUGGAGE LOCKERS

- Through type under floor body side luggage lockers in wheelbase (2 per side)
- Through type under floor body side luggage lockers behind rear wheels (1 per side)

### DESTINATION EQUIPMENT

- LED destination indicator in front dome

### HEATING AND VENTILATION

- Saloon heaters - convection type mounted along the bodysides at floor level
- Citi vent forced draft ventilation (roof mounted) with free flow into passenger saloon (2 off)
- Roof mounted air-conditioning unit (Spheros CC355) with ducting into the parcel racks.

### ENTERTAINMENT EQUIPMENT

- Radio/CD/MP3/USB with 8 speakers (10 off in 6x2)
- Radio/CD/DVD and PA system with 2 x monitors and 8 speakers (10 off in 6x2)

### EXTERIOR FITTINGS

- Park distance control in rear bumper only
- Reversing signal connected to reverse lights
- Rotating beacon light fitted to the roof of the bus (per light)
- Trailer coupling - rear tow bar with 50mm ball coupling and trailer plug

### SEATING

- Due to the wide selection of passenger seating from our approved suppliers we recommend that you request the type of seat required specifying the preferred supplier.

### SEAT BELTS

- Lap type seat belts per passenger seat - minimum 5 per bus
- Retractable lap type seatbelts per passenger seat - minimum 5 per bus
- 3-point safety belts per passenger seat (fixed type)
- 3-point safety belts per passenger seat (retractable type)

### PAINT LIVERY

- Additional paint colours are available to suite the customers livery.
- Sign writing and the application of decals are available on request.

## AFRIWAY FEATURES AND BENEFITS

- One stop bus shop - The bus chassis is assembled from imported CKD kits and the bus body is manufactured in a single facility based in Rosslyn - Iveco South Africa Works (Pty) Ltd (ISAW). The benefit of this is that any technical issues relating to the total bus product is referred to a single source for rectification.
- The complete bus is engineered by Iveco and as such there is a "matched" interface between body and chassis resulting in best quality and engineering in addition to lowest cost of ownership.
- Iveco offers the lowest capital cost per revenue paying passenger - this is associated with the superior legal carrying capacity of the Afriway bus.
- Best fuel consumption in its class
- Engine positioned in the chassis to prevent major damage to expensive driveline components in the event of a front end accident.
- The engine position relative to the body under floor height results in superior engine cooling and bus performance due to the airflow.
- Front interior heat generation and noise levels are the lowest in its class.
- The flat floor saloon area and interior floor to roof heights are the best in the commuter bus class.

## WARRANTY CONDITIONS – COMPLETE AFRIWAY BUS

The general warranty conditions for buses sold and manufactured in South Africa by the IVECO South Africa Works (Pty) Ltd are as follows:

- **Start of Warranty**  
The warranty starts from the delivery date of the vehicle to the customer. It is the date written on the delivery bill signed by the customer when the vehicle is delivered. By exception, the warranty could start from the date of first registration of the vehicle as long as this date is under the limit of three (3) months after the delivery date from the Manufacturer to the customer.
- **Warranty**  
In order to meet the varying operational usage patterns of its customers, Iveco South Africa (Pty) Ltd has defined a three-tier warranty structure for its buses.
  - A two year or 200 000 kilometre (whichever occurs first) "bumper to bumper" warranty is offered on the complete bus - Iveco chassis and Iveco bodywork
  - A three year or 300 000 kilometre (whichever occurs first) warranty is offered on the drive line of the bus chassis. The driveline warranty applies to internally lubricated parts, and excludes fair wear and tear.

## IVECO ADDITIONAL SERVICES



Iveco Capital (Alliance partnership between Iveco and Wesbank) can assist Iveco customers with flexible finance solutions.

- Instalment sale and rental options
- Fixed & variable interest rates
- Structured payment options available
  - Payment Holiday
  - Shock Absorber
  - Specialised Payment Terms
  - Step Payments
  - Offers balloon payments to make the monthly instalment more affordable

### Insurance Products

- Top up Insurance
- Comprehensive Insurance
- Extended Warranty
- Deposit Protector

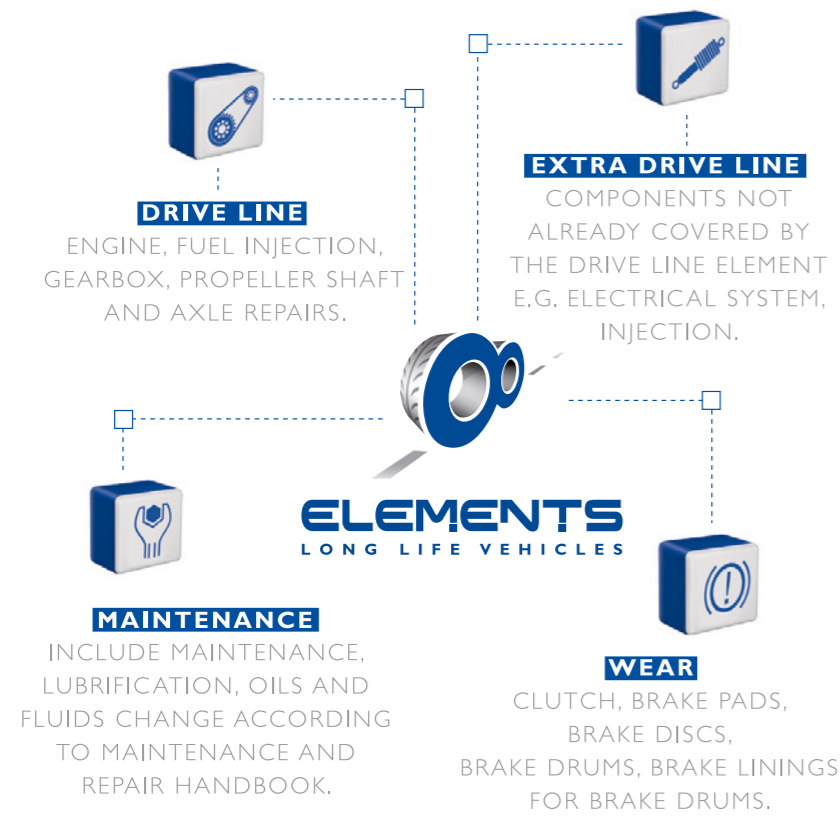


IVECO Assistance Non-Stop, 24 hours a day, 7 days a week.  
A simple telephone call puts you in contact with IVECO and helps keep you and your business up and running.

## IVECO ADDITIONAL SERVICES



Elements provide the flexibility to select any combination from the major "elements" which make up the overall offer. The package could be combined with any of the Elements offer to enable operators to create their own tailor-made package. Refer to contract terms and conditions.



## IVECO ADDITIONAL SERVICES



IVECO Genuine Parts is the path of excellence through which IVECO certifies and guarantees the highest standards across the entire procurement and distribution cycle for its original genuine parts, which, along with the professionalism and expertise of the Service Network, ensure prompt, competent and reliable after-sales assistance.

IVECO Genuine Parts is our philosophy, to ensure that you and your business benefit from all the value, safety and efficiency you deserve. Because after-sales assistance is essential to productivity.

12 MONTHS WARRANTY, with no limit on mileage.

DELIVERY WITHIN 24H, of any genuine part in sub-Saharan Africa (within flight availability)

## IVECO SOUTH AFRICA WORKS (PTY) LTD



Iveco South Africa Works (Pty) Ltd (ISAW) has been established in Rosslyn to assemble a range of Iveco truck and bus chassis from CKD kits supplied from Iveco manufacturing facilities in Europe. In addition to assembling Iveco chassis, ISAW is also manufacturing bus bodywork in the Rosslyn facility that is fitted to the Iveco bus chassis. We offer a complete bus solution with the chassis and bus bodywork being supplied from a single source, namely Iveco South Africa Works in Rosslyn.

The main purpose for establishing the ISAW chassis assembly and bus body manufacturing facility is in support of the SA Government strategy to increase local content and therefore local employment opportunities. In addition, the plant layout includes a Training Centre which is equipped with modern training equipment and strong technical capabilities to service and transfer skills to the local market. Customers are encouraged to send their staff for technical training on the chassis and bus body maintenance.

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**BUS SALES**

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 bus-sales@cnhind.com  
 www.iveco.co.za

**BUS SERVICE DEALERS**

DEALER INFORMATION CORRECT AS AT JULY 2017

**South Africa****BB TRUCK & TRACTOR SERVICES**

Polokwane  
 Ph. +27 (0)15 293 4000  
 www.bbtruck.co.za

**BB TRUCK & TRACTOR**

Pretoria  
 Ph. +27 (0)12 564 4071  
 www.bbgroup.co.za

**ELT COMMERCIALS**

Johannesburg  
 Ph. +27 (0)11 683 3364  
 www.eltcommercials.co.za

**ITALIAN COMMERCIAL**

Johannesburg  
 Ph. +27 (0)11 615 9552  
 www.italiancommercials.co.za

**RANDBURG COMMERCIAL VEHICLES**

Kya Sands  
 Ph. +27 (0)11 704 3274  
 www.randburgcommercialvehicles.co.za

**TRUCK CITY**

Johannesburg  
 Ph. +27(0)11 824 5301  
 www.truckcity.co.za

**NOLAN**

Bloemfontein  
 Ph. +27 (0)51 443 8982  
 www.nolantruck.co.za

**KZN IVECO**

Pinetown  
 Ph. +27 (0)31 700 1222  
 www.kzniveco.co.za

**RICHARDS BAY COMMERCIALS**

Richards Bay  
 Ph. + 27 (0)35 751 1299

**ERMELO TRUCK & TRACTOR CENTRE**

Ermelo  
 Ph. +27 (0)17 811 5885/6/7  
 www.ivecermelo.co.za

**PRODUCTA TRUCKS**

Nelspruit  
 Ph. +27 (0)13 757 5300  
 www.producta.co.za

**HIGHVELD COMMERCIAL**

Middleburg  
 PH. +27 (0)87 654 0521

**FLEET DYNAMICS**

East London  
 Ph. +27 (0)43 736 1502  
 www.fleetdynamics.co.za

**FLEET DYNAMICS**

Port Elizabeth  
 Ph. +27 (0)41 486 1611  
 www.fleetdynamics.co.za

**TRUCK CITY**

Cape Town  
 Ph. +27 (0)21 981 5514  
 www.truckcity.co.za

**WALKER'S IVECO**

Upington  
 Ph. +27 (0)54 332 1074  
 www.walkersiveco.co.za

**Botswana****CONTINENTAL MOTORS**

Gaborone  
 ph. +267 318 5558/9

**Namibia****AFRICAN COMMERCIAL VEHICLES**

Windhoek  
 Ph. +264 61 266 100  
 www.ncviveco.co.za

**ERONGO COMMERCIAL VEHICLES**

Ongwediva  
 Ph. +264 65 225 660  
 www.erongocommercial.co.za

**Swaziland****SWAZI TRUCK & BUS**

Matsapha  
 Ph. +268 251 84175

**Zimbabwe****BAIN IVECO**

Harare, Zimbabwe  
 Ph. +263 466 9696  
 www.bain.co.zw

**BAIN IVECO**

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**Zambia****AMBIENT AUTOMOTIVE**

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 Ph. +260 21 184 5818