

# TEMSA HD 13



EXPERIENCE ROBUSTNESS  
AND COMFORT

[temsa.com](http://temsa.com)



**TEMSA**

The HD is built to last and will never let you down on long-distance journeys. Its robust and longlasting design is unlike anything you've ever experienced.

THE HD IS READY AND WAITING TO  
**TAKE YOUR BUSINESS TO THE NEXT LEVEL.**

## LUXURIOUS JOURNEY **IN EVERY ASPECT**

What makes long-distance journeys enjoyable? Comfort? Luxury? A more spacious interior? The HD offers all of this and more. Its spacious interior, extended legroom and customizable seating layout transforms your journeys into a unique experience. With its comfortable seats and powerful air conditioning, the HD makes every journey a joy while also ensuring driver comfort thanks to its user-friendly features.



## WHERE AESTHETICS AND POWER, MEET DYNAMISM

The HD features special uninterrupted chrome lines that highlight the vehicle's spacious interior in a contemporary and aesthetic way.

The chrome contrasts beautifully with the darkened wide windows to elevate each

passenger's space. Aesthetically designed headlights combined with rear wings highlight the HD's dynamic and powerful looks.



## THE COCKPIT: OFFERING AN UNRIVALLED DRIVING EXPERIENCE

Enter the cockpit – the place where all great journeys begin. With its ergonomic features and components, the HD is designed to offer a comfortable and easy driving experience.

The driver's seat is adjustable for comfort and functionality, and features armrests, back support and a weight-sensitive pneumatic suspension system. The seat can easily be moved forwards, backwards, up and down to achieve the optimal driving position.

The HD offers a driving experience unlike no other. In addition to advanced braking systems, it also features ACC (Adaptive Cruise Control), which automatically adjusts the vehicle speed and maintains a safe tracking distance, enhancing both safety and the driving experience.



## MAXIMUM EFFICIENCY, MAXIMUM PERFORMANCE

The emission values of its DAF engine are Euro 6-compliant. The engine is environmentally friendly while providing low fuel consumption. The 10.8-litre engine produces 2,100 Nm @ 900-1,125 rpm and delivers 300 kW (408 hp) of power for a maximized driving experience. Or for an even higher performance and enhanced driving experience, there is the option of a 330 kW (449 hp) engine with a 10.8-litre cylinder volume and 2,300 Nm of torque at 900-1,125 rpm.

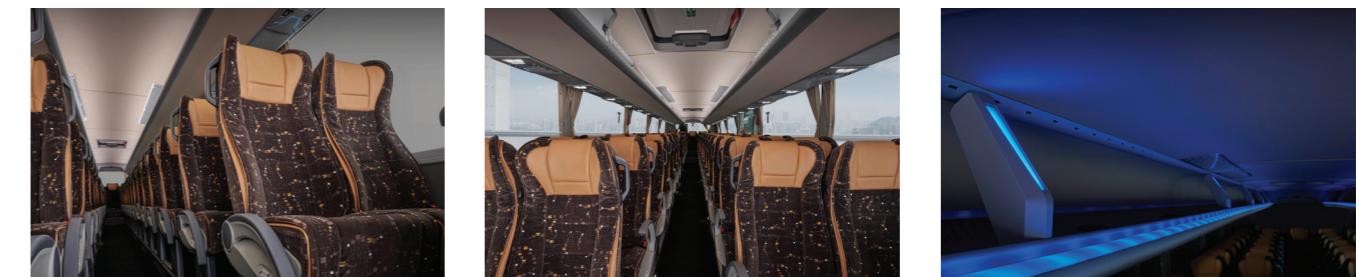
This six-cylinder engine is remarkably efficient. Thanks to its ultra-modern and diligently tested technology, the engine meets Euro 6 emission requirements, and provides outstanding fuel efficiency. It also offers high traction levels at low engine rev figures and at a wide range of speeds.

The emphasis is on better fuel efficiency and a pleasurable driving experience.



## ENJOY OUTSTANDING COMFORT

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# THE HD INCORPORATES ADVANCED SAFETY SYSTEMS

THE MOST COMFORTABLE JOURNEYS BEGIN WITH A SAFE DRIVING EXPERIENCE. THE HD INCORPORATES A NUMBER OF SAFETY SYSTEMS TO PROVIDE THE HIGHEST LEVEL OF SUPPORT.

## THE ANTI-LOCK BRAKING SYSTEM (ABS)

The Anti-Lock Braking System (ABS) enables the driver to hit the brakes suddenly without losing control. It prevents the brakes from locking and reduces the stopping distance. By doing so, it improves handling and enables a safer driving experience even when sudden emergency braking is needed.

## ANTI-SLIP REGULATION (ASR)

Anti-Slip Regulation (ASR) is developed to prevent loss of traction on the wheels. The ASR system helps the driver to prevent skidding, thereby allowing the coach to start moving even in difficult driving conditions. It also enhances driving safety on slippery surfaces, and prevents excessive wear of the tyres.

## THE ELECTRONIC BRAKING SYSTEM (EBS)

The Electronic Braking System (EBS) provides an optimized level of control when braking. It is integrated into an electronic system combining the brake controls, ABS and ASR to produce superior results over shorter braking distances and lower levels of disc wear.

## THE ELECTRONIC STABILITY SYSTEM (ESP)

The Electronic Stability System (ESP) helps to protect your coach in challenging road conditions. It manages the engine's operating system, and provides a different level of traction on each wheel. Combined with different braking power for individual wheels, this provides the optimum level of traction with the road and prevents loss of control in the event of sudden steering interventions and sharp cornering.

## THE ADVANCED EMERGENCY BRAKING SYSTEM (AEBS)

The Advanced Emergency Braking System (AEBS) offers automatic braking capability in the event of danger. It automatically intervenes in response to sudden developments which pose a risk of a crash, and helps prevent or reduce the impact of potential crashes.

## THE LANE DEPARTURE WARNING SYSTEM (LDWS)

The Lane Departure Warning System (LDWS) warns the driver with an audible and vibrating alert when the coach moves out of its lane. This system helps drivers to stay in lane and alerts them if the coach veers dangerously.



# HD 12

## DIMENSIONS AND WEIGHTS

Length	12.276 mm
Width	2.550 mm
Height (incl. air conditioner)	3.644 mm
Floor-To-Ceiling Height	2.000 mm
Wheelbase	6.100 mm
Front Overhang	2.766 mm
Rear Overhang	3.410 mm
Turning Diameter	22.399 mm
Approach Angle	8°
Seating Capacity	50+1+
Gross Vehicle Weight	19.000 kg
Total Luggage Volume	9 m <sup>3</sup>

## ENGINE

Model 1	DAF MX11-330 kW
Maximum Power 1	330 kW/449 HP @1600 rpm
Maximum Torque 1	2300 Nm @900-1125 rpm
Model 2	DAF MX11-300 kW
Maximum Power 2	300 kW/408 hp @1600 rpm
Maximum Torque 2	2100 Nm @900-1125 rpm
Bore/Stroke	123 x 152 mm
Volume	10.800 cc
Engine Emission Standard	Euro VI

## TRANSMISSION

Standard Transmission	ZF Ecoshift 6 Forward Manual
Optional Transmission	ZF Traxon 12 Forward Automatic
Optional Transmission	ZF Ecolife 6 Forward Automatic

## AXLES & SUSPENSION

Front Axle Type	ZF RL 75 E Independent
Front Axle Capacity	7.500 kg
Rear Axle Type	A132 II Rigid
Rear Axle Capacity	11.500 kg
Front/Rear Suspension	Air Suspension

## RIMS & TIRES

Steel/Aluminium Rim	22.5 x 9
Tire	295/80 R22.5

## FUEL & UREA TANK

Fuel Capacity	527 L Heated Fuel Filter Water Separator
Urea Tank Capacity	50 L

## STEERING WHEEL

Steering Wheel Tilt and Telescopic	Standard
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## BRAKES

Service Brake	Standard
Parking Brake	Standard
Engine Brake	Standard
Exhaust Valve Break	Standard
ABS (Anti-Lock Braking System)	Standard
ASR (Anti-Slip Regulation)	Standard
EBS (Electronic Braking System)	Standard
AEBS (Advanced Emergency Braking System)	Standard
Intarder	Standard

## INTERIOR

Parcel Rack	Standard
Curtain	Standard
Assistant Seat	Standard
Reclining Passenger Seats	Standard
Service Tray for Passenger Seats	Standard
USB Charger	Optional
Kitchen Unit	Optional
WC	Optional
Sleeping Compartment	Standard

## EXTERIOR AND BODY

Body Lifting	Standard
Body Kneeling	Standard
Rim Cover	Standard
Opaque White Exterior Colour	Standard
Metallic Exterior Colour	Optional
Opaque Exterior Colour	Optional

## DRIVER'S AREA

Alcoholmeter	Optional
Front Microphone	Standard
Electrical Sunvisor	Standard
3 Point Safety Belt for Driver Seat	Standard
Heater for Driver Seat	Optional
Electrical Exterior Mirror	Standard

## SECURITY

ESP (Electronic Stability Programme)	Standard
LDWS (Lane Departure Warning System)	Standard
ACC (Adaptive Cruise Control)	Standard
Safety Hammers	Standard
Fire Warning System for Engine Room	Standard
Low Voltage Warning	Standard
Circuit Separator on Battery	Standard
Fire Extinguisher	Standard
Engine Room Lid Open Warning	Standard
Immobilizer	Standard
Tire Pressure Display	Optional

## WINDOWS AND CLIMATIZATION

Heated Windshield	Standard
Double Glazing	Standard
Air Conditioner	Standard
Cooling Capacity	39kW
Additional Heating System	Standard
Defroster	Optional
Convector	Standard
Preheater	Standard
Timer For Preheater	Standard

## ELECTRONIC EQUIPMENTS

Monitor	Standard
Reverse Gear Buzzer	Standard
Rear Parking Sensor	Optional
Rear View Camera	Optional
Bottle Cooler in Dashboard	Standard
Fridge	Standard
Destination Plates	Optional
SchoolBus Sign	Optional
Tachograph	Standard

## OTHER EQUIPMENTS

First Aid Kit	Standard
Fog Lights	Standard
Xenon Headlight	Optional
Halogen Headlight	Standard
Electrical Horn	Standard
Air Horn	Optional
LED Day Running Light (DRL)	Standard

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Floor-To-Ceiling Height	2.000 mm
Wheelbase	6.900 mm
Front Overhang	2.766 mm
Rear Overhang	3.410 mm
Turning Diameter	24.546 mm
Approach Angle	8°
Seating Capacity	41+1+
Gross Vehicle Weight	19.000 kg
Total Luggage Volume	11 m <sup>3</sup>

## ENGINE

Model 1	DAF MX11-330 kW
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## AXLES & SUSPENSION

Front Axle Type	ZF RL 75 E Independent
Front Axle Capacity	7.500 kg
Rear Axle Type	A132 II Rigid
Rear Axle Capacity	11.500 kg
Differential Ratio	2.71
Front/Rear Suspension	Air Suspension

