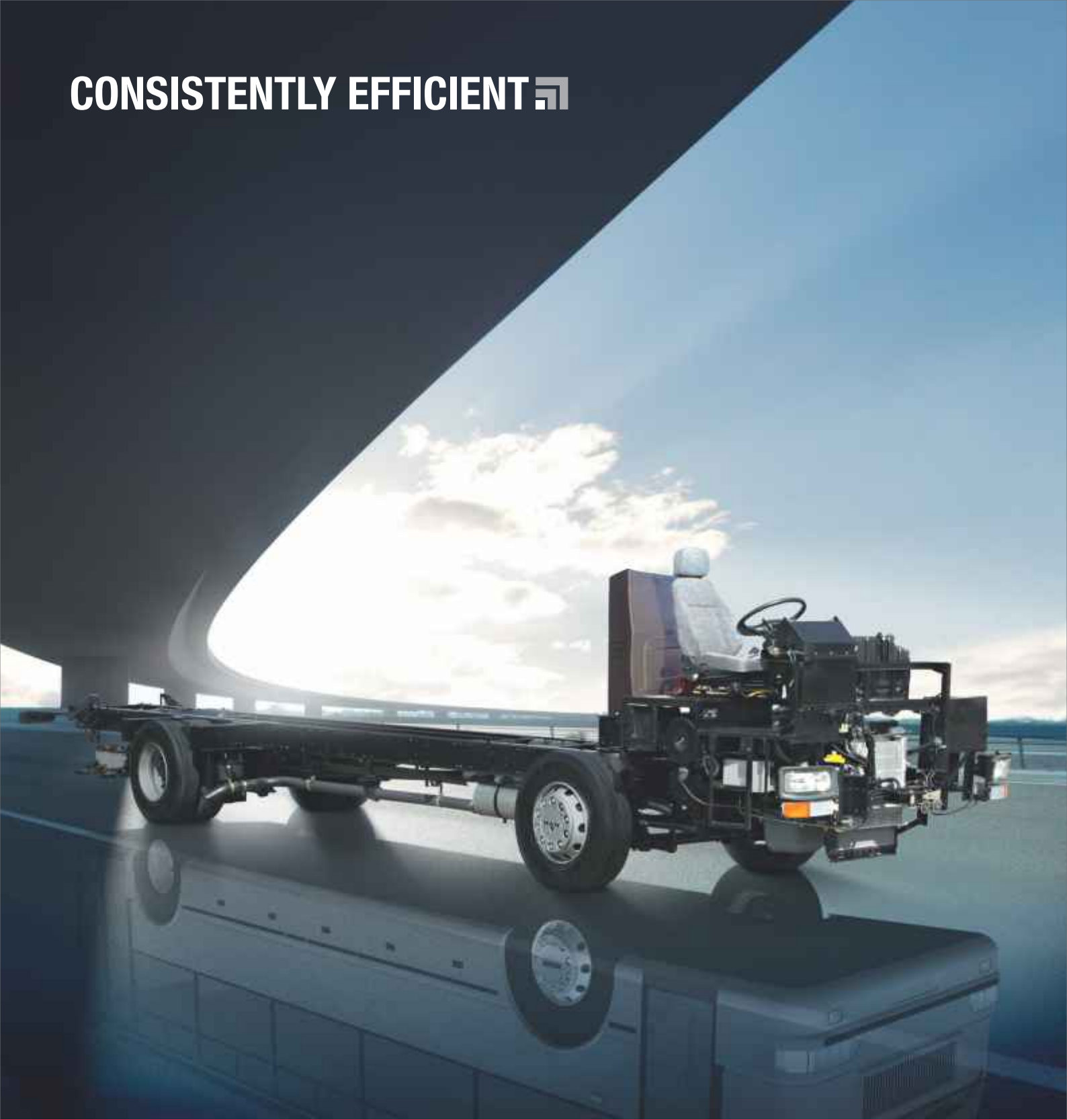


**CONSISTENTLY EFFICIENT** 



## **Bus Chassis CLA**

Comfortable, reliable, functional

**MAN Trucks India Pvt. Ltd.**



# Excellence in Efficiency



With an ever growing demand for efficient high-capacity passenger transport in the emerging markets, MAN is proud to offer the solution for efficient passenger transportation. With the introduction of the new MAN CLA bus chassis, MAN fulfils the challenges that bus operators are faced with. It has been specially designed and developed for emerging markets, keeping in mind the efficiency, safety and driving comfort.

As a partner to transport services and operators of local public transport, MAN presents solutions that satisfy the major requirements today and tomorrow. The MAN CLA bus chassis has been developed with the highest quality standards, which rely on approved and reliable MAN Trucknology. The production takes place at MAN Trucks India Pvt. Ltd., under high MAN standards. The products have been extensively tried and tested under all possible operations demanded of the target markets. All main components are identical with the already successfully sold CLA truck range and are incorporated into the MAN CLA bus chassis.

The level of comfort, the handling characteristics, including easy-to-body design, and the cost effectiveness of the CLA bus chassis are its main benefits. Also with the low consumption, clean burning D08 engine and low life-cycle costs, the CLA bus chassis sets new standards for dependability, economy and efficiency. With the MAN D0836. 162 kW (220 hp) diesel engine, manual transmission, full air suspension and class-leading safety features, the chassis is a leader in its field. Therefore you can be sure that your CLA bus chassis lives up to the name on the radiator grille: first class product by MAN.

Whatever you do, you can count on the CLA chassis. When it comes to your constructive imagination, the sky really is the limit. Realise your ideas with ease. Whether you use the chassis as a powerful basis for city and scheduled-service intercity buses or for coaches, you will be impressed by the comprehensive body compatibility and top MAN quality. With its high-torque engine and robust MAN components, your bus/coach provides the smoothest of rides, wherever your journey may take you.



# Comfort with certainty

The CLA chassis has been designed to incorporate the full range of comfort and safety features, and you will be impressed by the comprehensive functionality of the ergonomic driver's workplace. Fittings have been clearly arranged, instruments and displays can be read with ease, and switches and function groups have been allocated into logical clusters. Nothing has been forgotten, down to the very last detail, beginning with the cockpit, which you can flexibly adapt to allow you to integrate your own specific requirements.

The driver's main priority is comfort. Your main priority and that of your customer is quality. We have therefore produced the CLA chassis from highly robust and stable components to ensure maximum reliability and safety, even under extreme operating conditions. In addition, as is typical for MAN, the chassis is easy to service.



MAN front axle with air suspension



MAN hypoid rear axle (type meritor) with air suspension

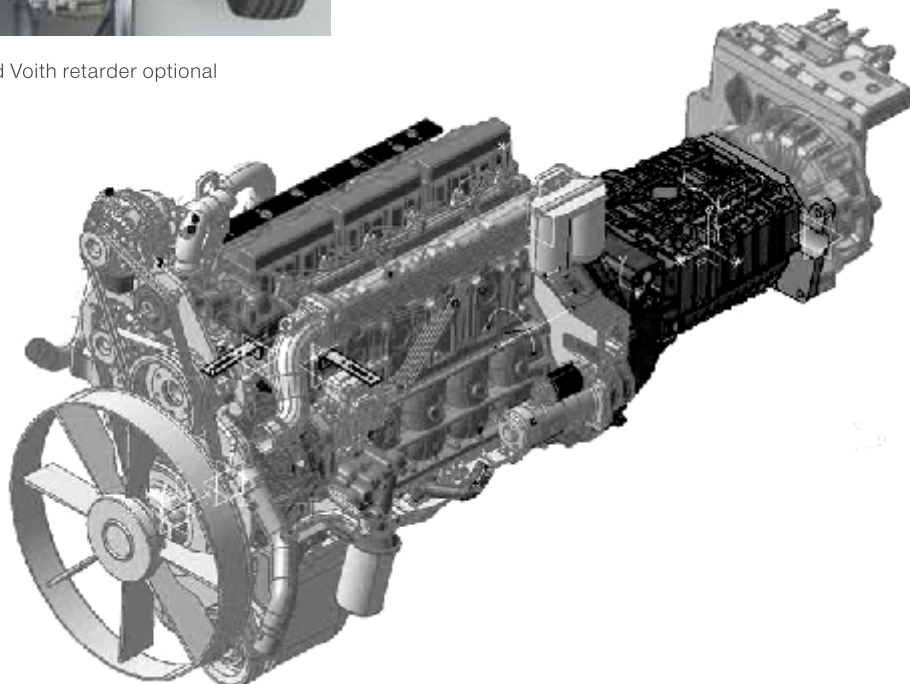


MAN engine with gearbox and Voith retarder optional

## Technical details of Engine:

Bore x stroke (mm)	: 108 x 125
Displacement (lit)	: 6,871
Rated output (kW)*	: 162
Rated output (hp)	: 220
At speed (rpm)	: 2,400
Max. torque (Nm)	: 800
At speed (rpm)	: 1,200 - 1,800

\*According to ISO 1585 89/491 EEC

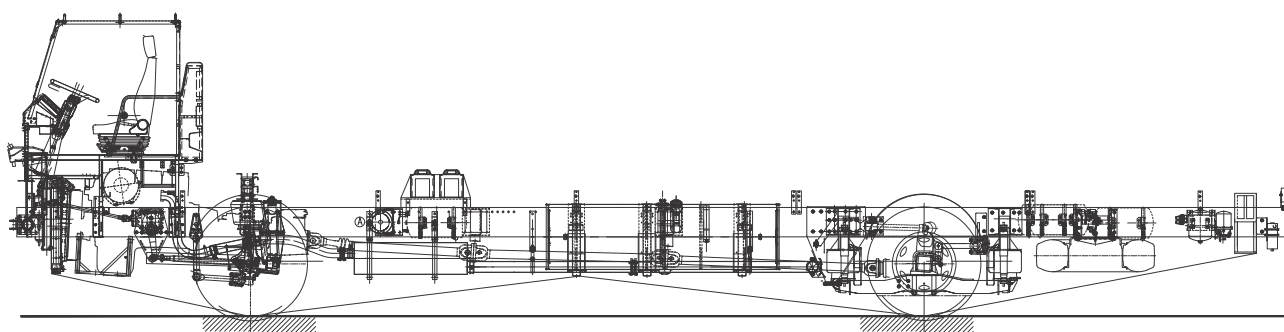




# Front-engine chassis

## MAN CLA 16.220 4X2 Chassis

Technical data		
Dimensions	Overall length	11734 mm
	Wheelbase	6200 mm
	Front overhang	2150 mm
	Rear overhang	3384 mm
	Overall width	2450 mm
Weights (kg)	GVW	16,200 kg
Engine	MAN D0836	162 kW/220 hp
Steering	Right-hand drive	Power steering ZF 8046
Transmission	Gearbox	6S - 850 with Voith retarder
	Clutch	Single dry plate pull type hydraulic 395mm dia.
Suspension		Front & Rear air suspension
Axles	Front axle	MAN FM 08 dropped type / air suspension
	Rear axle	Hypoid type meritor axle / air suspension
Tyres	Front	295/80 R22.5
	Rear	295/80 R22.5
Fuel tank	Diesel	Round 335 litre
Electrical system	Battery	2 x 150 Ah, 24 V
	Alternator	2 x 80 AMP
Service brakes		S-cam, dual circuit, drum brakes with ABS, EVB with ALSV



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