

# MD7 PLUS





# RAISE YOUR EXPECTATIONS



Built with an elegant interior design to provide an unforgettable journey without compromising on comfort and safety, the MD7 Plus is ideal for urban and long-distance transportation.





## ARRIVE AT YOUR DESTINATION IN COMFORT

Thanks to the MD7 Plus's interior design, your journey will now be much more comfortable and spacious. The interior standing height, comfortable seats and an air conditioning system to keep the temperature just right regardless of the season are all there for your comfort.

As a result of its optimum length and turning radius, it has outstanding manoeuvrability even in narrow streets, not to mention low fuel and maintenance costs.





# UNPRETENTIOUS AND APPEALING LOOK

The modest yet modern lines shaping the robust body of the MD7 Plus are sure to draw admiring glances. Its agile structure brings different experiences in urban and long-distance journeys.

The MD7 Plus was designed with many needs in mind and, thanks to its optional wheelchair lift, it offers passengers with disabilities a safe and comfortable journey.



## WHERE SAFETY AND COMFORT BEGIN

Drivers are ensured a pleasant and safe driving experience thanks to the spacious and comfortable cockpit of the MD7 Plus, where driving safety is emphasized through an ergonomic design.

The driver's seat is designed with comfort in mind, with an improved cockpit with many

features such as right and left armrests, lumbar support, height adjustment and seat heating.

The rear view camera, rear parking sensor, alcoholmeter, tachograph registering speed and distance details, and advanced brake systems are key safety features.





## A PLEASURABLE JOURNEY

There are various seating configurations available to match your needs, with up to 33 passenger seats. All you need to do is decide on the best seating layout and seat distances to match your requirements.

With an ergonomic rack that's designed to be easily accessible to passengers of any age group, the multisets providing personal space for each passenger and a powerful air conditioning system, all passengers are guaranteed an enjoyable and comfortable journey.

## MAXIMUM EFFICIENCY, MAXIMUM PERFORMANCE

The MD7 Plus works harder for your business, and lasts longer. Its FPT NEF 4 engine offers low fuel consumption and excellent performance. The FPT NEF engine offers low fuel consumption and outstanding performance. This 4.5-litre engine provides 680 Nm @ 1,250 rpm, generating

137 kW of power, and provides a truly maximized driving experience. Designed with a lower total cost of ownership in mind, NEF engines offer significant benefits in terms of maximum durability, long service intervals and lower fuel consumption.

# THE MD7 PLUS INCORPORATES ADVANCED SAFETY SYSTEMS

THE MOST COMFORTABLE JOURNEYS BEGIN WITH A SAFE DRIVING EXPERIENCE. THE MD7 PLUS INCORPORATES A NUMBER OF SAFETY SYSTEMS TO PROVIDE THE HIGHEST LEVEL OF SUPPORT.

## **THE ANTI-LOCK BRAKING SYSTEM (ABS)**

Anti-Lock Braking System (ABS) allows the driver to hit the brakes suddenly yet without losing control. It prevents the locking of the brakes, and reduce the stopping distance. Doing so, it improves handling and enables 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. ASR system assists the driver to prevent skidding and thus allow the vehicle to start moving even under difficult road conditions. It also enhances driving safety on slippery surfaces, and prevents excessive wear of the tires.

## **THE ELECTRONIC BRAKING SYSTEM (EBS)**

Electronic Braking System (EBS) provides an optimized level of control when braking. It is integrated into an electronic system that combines the brake control system, ABS and ASR. It produces better results in shorter braking distances, and leads to lower levels of disc wear.

## **THE ELECTRONIC STABILITY SYSTEM (ESP)**

Electronic Stability System (ESP) helps you to protect your vehicle from negative effects of difficult road conditions. It interferes with the engine's operating system, and provides a different level of traction with individual wheels. Doing so allows the adjustment of traction on individual wheels, combined with different braking power for different wheels, to provide the optimal level of traction for all 4 wheels. These adjustments assists in preventing the loss of control of the vehicle in case of sudden steering wheel interventions applied for sharp cornering.

## **ADVANCED EMERGENCY BRAKING SYSTEM (AEBS)**

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 vehicle moves out of its lane. The system helps you to stay in your lane and increases the level of safety by warning you.





# MD7 PLUS

## DIMENSIONS AND WEIGHTS

Length	7.745 mm
Width	2.400 mm
Height (incl. air conditioner)	3.370 mm
Floor-To-Ceiling Height	1.925 mm
Wheelbase	3.728 mm
Front Overhang	1.763 mm
Rear Overhang	2.254 mm
Turning Diameter	14.580 mm
Approach Angle	12°
Seating Capacity	33 + 1
Gross Vehicle Weight	10.000 kg
Total Luggage Volume	4.9 m <sup>3</sup>

## ENGINE

Model	E6 FPT
Type	Diesel, 4 Stroke, Turbocharged, Direct Injection
Number of Cylinders and Layout	4 Cylinder in-line engine
Bore/Stroke	104 x 132 mm
Volume	4,5 L
Maximum Power	137 kW @2500 rpm
Maximum Torque	680 NM @1250 rpm

## TRANSMISSION

Model (Standard)	ZF
Type	Manual
Number of Gears	6 Forward + 1 Rear
Model (Optional)	Allison
Type	Automatic
Number of Gears	6 Forward + 1 Rear

## AXLES

Front Axle Type	Rigid
Front Axle Capacity	4.000 kg
Rear Axle Type	Rigid
Rear Axle Capacity	6.000 kg
Differential Ratio	Manual: 3.73/4.10 Automatic: 4.56/5.13

## RIMS & TIRES

Rim	17,5 x 6,75
Tire	235/75 R17,5

## ELECTRICAL SYSTEM

System Voltage	24 V
Battery	2 x 12 V 105Ah

## STEERING WHEEL

Hydraulic Steering	Standard
Steering Wheel Tilt and Telescopic	Standard

## BRAKES

Service Brake	Standard
Parking Brake	Standard
Exhaust Valve Brake	Standard
ABS (Anti-Lock Braking System)	Standard
ASR (Anti-Slip Regulation)	Standard
EBS (Electronic Braking System)	Standard
AEBS (Advanced Emergency Braking System)	Standard
Temporary Bus Stop	Standard
Retarder/Intarder	Standard

## INTERIOR

Parcel Rack	Standard
Multiset	Standard
Curtain	Standard
Assistant Seat	Optional
Reclining Passenger Seats	Standard
Sliding Mechanism for Passenger Seats	Optional
Service Tray for Passenger Seats	Optional
Seat Pocket (NET) for Passenger Seats	Standard
Handle, Dashboard	Standard
29 or 31 Seat Layouts	Optional

## EXTERIOR AND BODY

Rim Cover	Standard
Skibox	Optional
Fog Lights	Standard
Opaque-White Exterior Colour	Standard
Metallic Exterior Colour	Optional

## DRIVER'S AREA

Sliding, Double Glazed Driver Window	Standard
Interior Mirror for Driver	Standard
3 Point Safety Belt for Driver Seat	Standard
Left Armrest for Driver seat	Optional
Right Armrest for Driver seat	Optional
Sliding, Front Heated Driver Window	Optional
Sunvisor	Standard
Heated Windshield	Optional

## SECURITY

ESP (Electronic Stability Programme)	Standard
LDWS (Lane Departure Warning System)	Standard
Engine Room Fire Extinguisher System	Standard
Fire Extinguisher	Standard
Additional Fire Extinguisher	Optional
Low Voltage Warning	Standard
Circuit Separator on Battery	Standard
Fire Warning System for Engine Room	Standard
Safety Hammers	Standard

## WINDOWS AND CLIMATIZATION

Air Conditioner	Standard
Additional Heating System	Standard
Driver's Defroster	Standard
Single Glazed Side Windows	Optional
Double Glazed Side Windows	Standard
Convector	Standard
AC Defroster	Standard

## ELECTRONIC EQUIPMENTS

Electrically Adjustable Exterior Mirrors	Standard
Rear View Camera	Optional
Reverse Gear Buzzer	Standard
Radio & Mp3 Player	Optional
Tachograph	Standard
Bottle Cooler in Dashboard	Optional
Cooler*	Optional
Rear Parking Sensor	Standard
Front Microphone	Optional
Alcoholmeter	Optional
SchoolBus Sign	Optional

## OTHER EQUIPMENTS

Random Coded Lock	Standard
Electrical Horn	Standard
Spare Tire	Standard
First Aid Kit	Standard
Handicapped Lift	Optional
Class 2	Optional
Class 3	Standard