

# MD7 PLUS



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# 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 m³

## 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
Convactor .....	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