

# LF 12





# COMFORT IN THE CITY



The LF 12 will draw your attention with its features that bring comfort to urban travel. It cares about the comfort of both the driver and passengers with the details that come in view in its design and equipments. Moreover, it never makes compromises on its quality and high performance... Are you ready to change your definition of urban travel with the LF 12?





# QUALITY AND COMFORT NESTED TOGETHER

The LF 12 has been delicately designed to offer its passengers comfortable urban travels.

While the interior height of the vehicle provides spacious experiences, many details have been taken into consideration in the interior design so that the sudden accelerations and decelerations have a minimum level of effect on the passengers, considering the standing traveling passengers as well.

The LF 12's pieced front and rear mask provides its users the convenience of easy serviceability and minimizes the cost with the easy disassembly and assembly of the parts that are changed in periodic maintenance.





# REFLECTION OF MODERN LINES ON THE CITY

Its minimalistic, breathtaking lines and stylish, eye-catching design extending upwards from the bottom of the headlights on the front mask not only impress the passengers but also the people walking on the street.

The 3-piece windshield in the vehicle provides both the driver and passengers a full panoramic view of the city coming directly from the heart of it.

You can prefer LF 12 with 2 doors or 3 doors depending on your request and it offers easy getting on and off opportunities for all passengers with stepless doors and also eliminates the negative situations experienced by children, pregnant women, elderly and disabled passengers in public transportation.



## WHERE SIMPLICITY AND COMFORT MEET

LF 12 prioritizes comfort with the neat design details in the driver's area. Personal ergonomic compartments are created for the drivers to put their personal belongings in the driver's cabins and they are offered with or without glass or with a cash box, depending on your preference.

LF 12 is preferred with its comfortable driver area and simple design of the most used

functions on the instrument panel. Drivers can easily track the vehicle's instantaneous speed and revolution conditions, the distance details of the current road and the general total, ABS, ASR, battery and fuel conditions, warnings and information about the headlights through the instrument panel.





## SPACIOUSNESS IN THE CITY

The LF 12 offers various variations in the number of standing passengers and total passenger capacities depending on seating capacities changing between 25 and 35 according to your urban passenger transportation and needs.

The LF 12 ensures that the interior of the vehicle is kept at the desired temperature even in the hottest regions with its powerful air conditioning. Thanks to the convector and additional heater options, the interior temperature can be arranged

according to the desired degrees in cold weather conditions.

With its important technological equipment such as passenger counting system (PCS), announcement and passenger information systems, fleets, emergency response button placed in the vehicle at regular intervals for both the driver and passengers and in-car camera system, the LF 12 makes your work considerably easier.



## MAXIMUM EFFICIENCY, MAXIMUM PERFORMANCE

The LF 12 works harder, lives longer for your business.

Cummins ISB 6.7E6C280B engine is eco-friendly and it enables low fuel consumption with its emission values. It gives a maximum driving experience with its 204 kW power produced by its efficient engine with a cylinder volume of 6.7 liters and providing a torque of 1100 Nm at 1000 rpm.

The advanced high-pressure common rail fuel system in the Cummins engine provides the optimum balance of performance, emission control and fuel economy.

With its distinguished and advanced technological features, the Cummins engine provides optimum performance, driving safety, durability, reliability and fuel efficiency. Furthermore, it has the lowest total cost of ownership among engines in its class.



# HERE IS THE LF 12 WITH ITS ADVANCED SECURITY SYSTEMS

THE MOST COMFORTABLE JOURNEYS  
START WITH SAFE RIDES. WITH ITS  
SECURITY SYSTEMS THAT WILL  
SUPPORT YOUR JOURNEYS AT THE  
HIGHEST LEVEL, THE LF 12 IS THE  
BIGGEST ASSISTANT FOR YOUR  
TRAVELS.

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

The ABS, Anti-Lock Braking System, provides sudden and controlled braking for the driver. This system is developed to prevent the brakes from locking, and it shortens the braking distance by preventing locking. In this way, it increases steering control.

## **ANTI-SLIP REGULATION (ASR)**

ASR, Automatic Slip Regulation, is a system installed to prevent the wheels from skidding. Apart from this feature, the ASR system has many advantages for the vehicle. It allows the vehicle to start easily in difficult road conditions. This system also prevents the vehicle from skidding on slippery surfaces or corners, increases driving safety and prevents excessive wear of the tires.

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

EBS, Electronic Brake System, gives the best control ever in braking. It is integrated into a single electronic system including the brake control system, ABS and ASR. This system enables you to get satisfying results at much shorter stopping distances and provides less wear on the discs.







# LF 12

## DIMENSIONS AND WEIGHTS

Length .....	12.000 mm
Width .....	2.550 mm
Height (incl. air conditioner) .....	3.200 mm
Floor-To-Ceiling Height .....	Front:2.624 mm/Rear:2.492 mm
Wheelbase .....	5.805 mm
Front Overhang .....	2.735 mm
Rear Overhang .....	3.455 mm
Turning Diameter .....	20.950 mm
Approach Angle .....	7°
Gross Vehicle Weight .....	18.000 kg

## ENGINE

Model .....	E6 Cummins
Type .....	Diesel, 4 Stroke,Turbocharged, Direct Injection
Number of Cylinders and Layout .....	6 Cylinder in-line engine
Bore/Stroke .....	107 x 124 mm
Volume .....	6,7 L
Maximum Power .....	204 kW/280 HP @2100 rpm
Maximum Torque .....	1082 Nm @1400 rpm

## TRANSMISSION

Model (Standard) .....	ZF
Type .....	Automatic
Number of Gears .....	6 Forward + 1 Rear

## AXLES

Front Axle Type .....	Independent
Front Axle Capacity .....	7.245 kg
Rear Axle Type .....	Portal
Rear Axle Capacity .....	11.500 kg
Differential Ratio .....	5.73

## RIMS & TIRES

Rim .....	22,5 x 8,25
Tire .....	275/70 R22.5

## FUEL & UREA TANK

Fuel Capacity .....	285 L
Urea Tank Capacity .....	35 L

## ELECTRICAL SYSTEM

System Voltage .....	24 V
Battery .....	2 x 12V, 225 Ah

## STEERING WHEEL

Hydraulic steering .....	Standard
Steering Wheel Tilt and Telescopic .....	Standard

## BRAKES

Service Brake .....	Standard
Parking Brake .....	Standard
ABS (Anti-Lock Braking System) .....	Standard
ASR (Anti-Slip Regulation) .....	Standard
EBS (Electronic Braking System) .....	Standard
Intarder .....	Standard

## INTERIOR

Handle, Dashboard .....	Optional
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## EXTERIOR AND BODY

Rim cover .....	Optional
Body Lifting .....	Standard
Body Side Kneeling .....	Standard
Body Kneeling .....	Standard
Opaque-White Exterior Colour .....	Standard
Metallic Exterior Colour .....	Optional
Third Door .....	Optional

## DRIVER'S AREA

Manual Sunvisor .....	Standard
Electrical Sunvisor .....	Optional
Swan Microphone .....	Optional
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

## SECURITY

Fire Warning System for Engine Room .....	Standard
Fire Extinguisher System for Engine Room .....	Optional
Safety Hammers .....	Standard
Fire Extinguisher .....	Standard
Temporary Bus Stop .....	Standard
Circuit Separator on Battery .....	Standard

## WINDOWS AND CLIMATIZATION

Double Glazed Side Windows .....	Standard
Sliding Front Heated Driver window .....	Standard
AC Defroster .....	Optional
Air Conditioner .....	Standard
Air Conditioner with Heating .....	Optional
Preheater .....	Optional
Driver's Defroster .....	Standard
Convector, Wheelchair Area .....	Optional

## ELECTRONIC EQUIPMENTS

CD-MP3 Player .....	Optional
Monitor .....	Optional
Wifi .....	Optional
Reverse Gear Buzzer .....	Standard
Rear Parking Sensor .....	Optional
Electrical Controlled Driver Window .....	Optional
Electrically Adjustable Exterior Mirrors .....	Optional
Heated Windshield .....	Optional
Destination Plates .....	Standard
Electronic Air Suspension System .....	Standard
Passenger Counting System .....	Optional
Announcement and Passenger Notification System .....	Optional
Tachograph .....	Optional
SchoolBus Sign .....	Optional
Automatic Fuses .....	Optional

## OTHER EQUIPMENTS

Spare Tire .....	Optional
Fog Lights .....	Standard
Wheelchair Fixing Equipment .....	Standard
Random Coded Lock .....	Standard
Electrical Horn .....	Standard
Manual Ramp .....	Standard
Automatic Engine Oil Fulfillment System .....	Optional
Ticket Machine Preparation .....	Standard

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