



NEW
THINKING.
NEW
POSSIBILITIES.

Luxury beyond imagination

UNIVERSE *Express Noble*



- Human - Oriented High Quality Design
- New Technology for Advanced Protection
- Smooth, Responsive & Economical
- Power and Reliability
- Comfortable Seat & Favorable Air conditioning
- Super Strong Frame with Air Suspension
- ZF Retarder Brake, Disc Brake, ABS, ASR
- World Class Luxury

UNIVERSE *Express Noble*

Technical Specifications



Driving Space



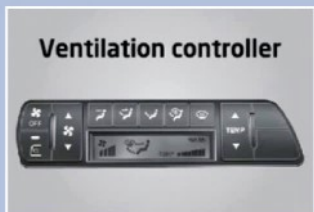
Embedded audio controls in steering wheel



Multi Functional switch



Luxurious fluorescent room lamp



Independent ventilation system for driver's space



Audio System



Thermos & Refrigerator



Short T.G.S lever



Reading Lamp / Air conditioning louver
Speaker Deluxe type



Driver's additional overhead shelf



32" LCD monitor



Air return grille of sub heater

Engine

Model	: D6CB41
Type	: Turbo Charger, Intercooler, Electronic Diesel, 4 cycle, water-cooled direct-injection.
Number of Cylinder	: 6 in-line
Piston Displacement (cc)	: 12,344
Bore x Stroke (mm)	: 130 x 155
Compression Ratio	: 17.2:1
Max. Power (ps / rpm)	: 410 / 1,900
Max. Torque (N.m / rpm)	: 1,696 / 1,200
Emission Level	: EURO-III

Dimensions & Weight

Drive Type	: Right Hand Drive, 4x2
Seating Capacity	: 28 + 1 / 40 + 1
Overall Length (mm)	: 11,990
Overall Width (mm)	: 2,490
Overall Height (mm)	: 3,490 (Roof Spoiler: 3,535)
Interior Height (mm)	: 1,950
Wheel Base (mm)	: 6,120
Overhang (Front / Rear) mm	: 2,640 / 3,230
Wheel Tread (Front / Rear) mm	: 2,057 / 1,830
Min. Ground Clearance (mm)	: 200
Empty Vehicle Weight (Kg)	: 13,020
Max. Gross Vehicle Weight (Kg)*	: 18,500
Angle of Approach (Degree)**	: 10°
Angle of Departure (Degree)**	: 8°
Fording Depth (mm)	: 530

Axles

Front Axle	: Reverse Elliot type "I" beam
Capacity (kg)	: 7,000
Rear Axle	: Full floating type
Capacity (kg)	: 11,500

Steering, Clutch & Transmission

Steering	: Ball-nut type with integral hydraulic power booster, Tilt & Telescopic.
Clutch	: Hydraulic Control with air assisted, Single dry plate.
Clutch Size (mm)	: Ø 430 x Ø 242
Transmission Type	: 6 forward & 1 reverse
Gear Ratio	: 1st: 6.320, 2nd: 3.620, 3rd: 2.150, 4th: 1.370, 5th: 1.000, 6th: 0.810 & Reverse: 5.810

Electrical System

Battery	: 24V-200AH
Alternator	: 24V-180A
Starter	: 24V-6.0KW

Brake, Tire & Suspension

Service Brake	: Full air, dual circuit, fixed 'S' cam with spring loaded chambers / Disk Brake front & rear.
Parking Brake	: Spring loaded type parking brake on the rear wheels.
Auxiliary Brake	: ZF Retarder, ABS, ASR / Exhaust Brake
Wheel & Tire Type	: Single Front, Dual Rear, RIB Pattern.
Tire Size (Front & Rear)	: 11R22.5-16PR, 295/80R-22.5
Suspension	: Air Suspension (Rolling lobe type).
Shock Absorber	: Hydraulic double acting telescopic type on Front & Rear axles.
Stabilizer Bar	: Torsion bar type on Front axle.

* Max. GVW based on the permissible tire load.

** Angle of Approach & Departure based on tire.

UNIVERSE *Express Noble*

Fuel & Cooling System

Fuel System	: Electronic Unit Injector (EUI) System
Oil System	: Forced lubrication by gear pump.
Fuel tank Capacity	: 420 liter
Cooling System	: WAX type with thermostat, Forced circulation by centrifugal water pump.

Performance Specifications

Max. Speed (km/h)	: 142
Max. Gradeability	: 17°
Min. Turning Radius (m)	: 10.1

Air Conditioning

Air condition Type	: On the Roof type
Capacity	: 1,11,000 BTU / hr or 28,000 kcal / hr

Electrical Equipment

Meter	: Speedometer with odometer
Gauge	: Fuel, water temperature, voltage, oil pressure
Lamp	: Head lamps, Front & Rear combination lamp, Turn signal, Fog lamp, Tail/Stop lamp, Room lamp.

Panel, Roof, Mirror & Door

Out Side Panel	: MS Sheet
Inner Roof	: Foam with Plastic Board, A/C Duct-Glass Wool with Aluminum Foil.
Outside Rear View Mirror	: Deluxe type on both sides.
Passenger Door	: Electric Auto Swing Door.

Chassis & Body Construction

Chassis Frame	: Monocoque
Side & Roof Structure	: M. S. Tube.
Under Body	: Cross Member -MS Tube, Support L-Plate & MS Tube Mounting.
Floor	: Water & Heat Proof Ply Wood, Marble sponge, PU foam. Floor covered by Linoleum Mat.
Windshield Glass (Front)	: In one section, with color Sunshade Safety laminated glass.
Windshield Glass (Rear)	: In one section tempered glass.
Side Windows	: Full Fixed type tempered glass.
Driver Seat	: Adjustable up and down & fore-and-after reclining seat formed polyurethane cushion, covered with simulate leather.
Passenger Seat	: Steel tube framing reclining type with vinyl leather covering.
Luggage box capacity	: 6.4 m ³
Shelves	: Ceiling Luggage rack with standard /Lid type Shelves.
Luggage Compartment	: Under Body Luggage compartment at both side, operated by shock Absorber.
Room Lamp	: Standard / Deluxe Fluorescent lamp.
Horn	: Dual flat Electric type.
Clock	: Digital Clock.
Optional Item	: Mini Refrigerator, Back Camera with Monitor, Roof Ventilator, Auto Grease Lubrication System, ZF Retarder Brake, Disc Brake, Sub Heater, Microphone, 32" LCD Monitor.



Business Class Seat (2:1)



Luggage net with cup holder



Lid type shelves



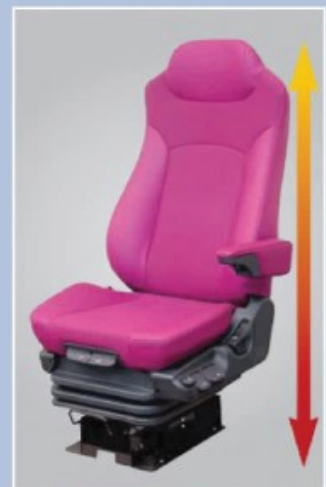
Luggage Room



Luxury Seat (2:2)



Air suspension



Air suspension Driver seat



ZF Retarder



Disc brake



Auto slack adjuster



Auto Grease Lubrication System



Gradual parking brake

Annotation : In order that product improvement may be introduced at any time, specifications are subject to change without prior notice.

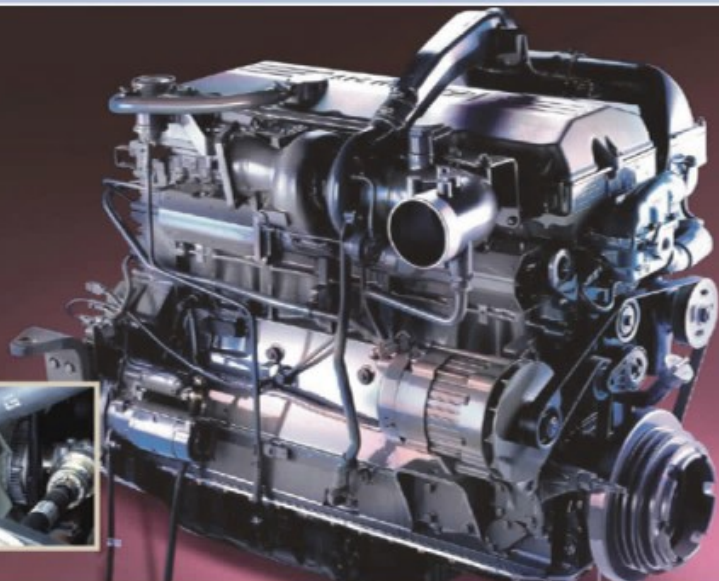


1 piece wind shield glass
parallel type wiper
standard outside rear view mirror



Streamlined front bumper and
fog lamp

Powertec Engine
380 ps / 148 kg-m
410 ps / 173 kg-m



Powerful and economical D6 Engines

Outstanding durability and utmost maintenance comfort



Junction box



Maintenance for air-conditioning unit



Side engine flap door



Automatic robot welding



Monocoque Body



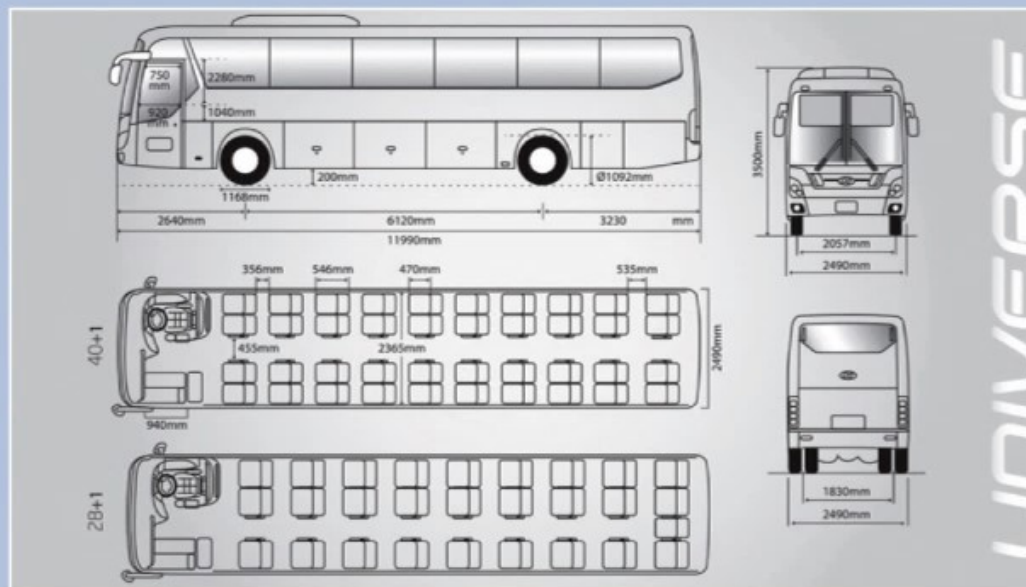
Air dryer



Curved B-pillar



Rear bumper with reverse warning system



Hyundai Motor Company
231, Yangjae-Dong, Seocho-Gu, Seoul, 137-938, Korea
<http://www.hyundai.com>
GEN. RHD 0810 ENG

