



2 x 1 Seat arrangement



2 x 2 Seat arrangement

INTERIOR



Tilt & Telescopic steering wheel



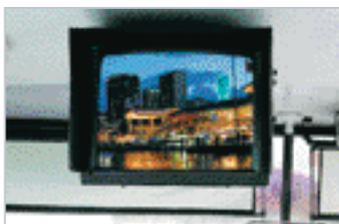
Sunvisor



Toilet (option)



Inside rack-Mood lamp (option)



TV & VTR (option)



Gradual parking brake (option)



Hot & cold cabinet (option)

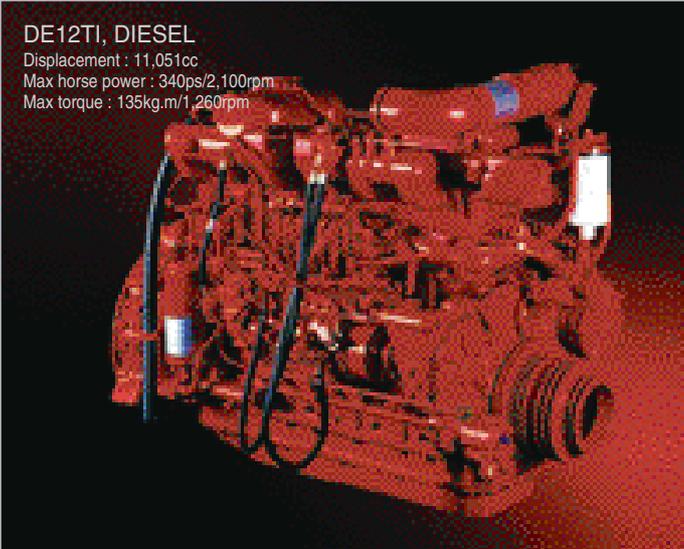


Stepped floor (option)

POWER

DE12TI, DIESEL

Displacement : 11,051cc
 Max horse power : 340ps/2,100rpm
 Max torque : 135kg.m/1,260rpm



Engine

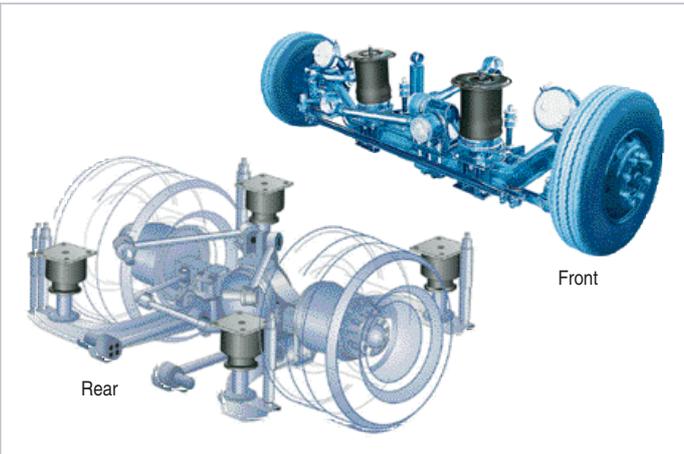
DV 11, DIESEL(EURO III)

Displacement : 10,964cc
 Max horse power : 360ps/1,800rpm
 Max torque : 160kg.m/1,200rpm

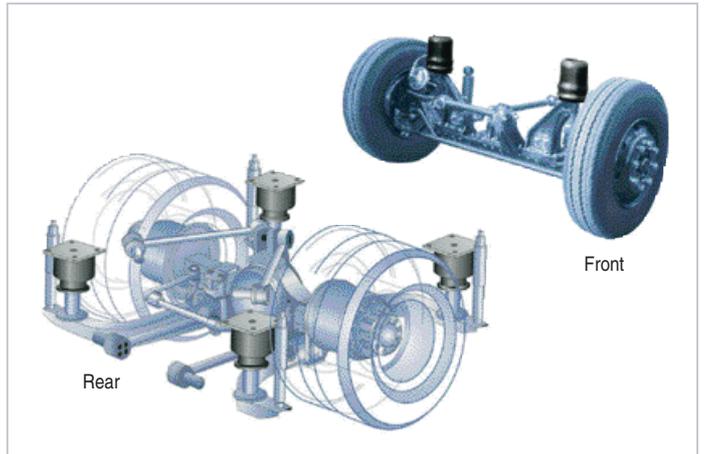


Engine (option)

SUSPENSION



FRT air suspension / RR wide air suspension (BH117H)



FRT / RR wide air suspension (BH119H)

EXTERIOR



RHD (option)



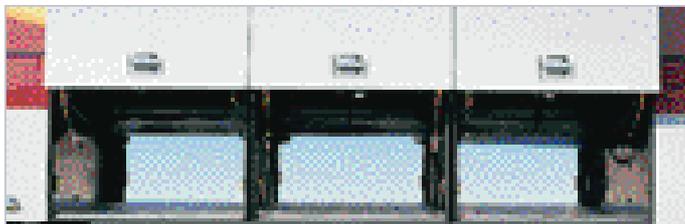
Middle door (option)



Back eye camera & monitor (option)



Outside roof rack (option)

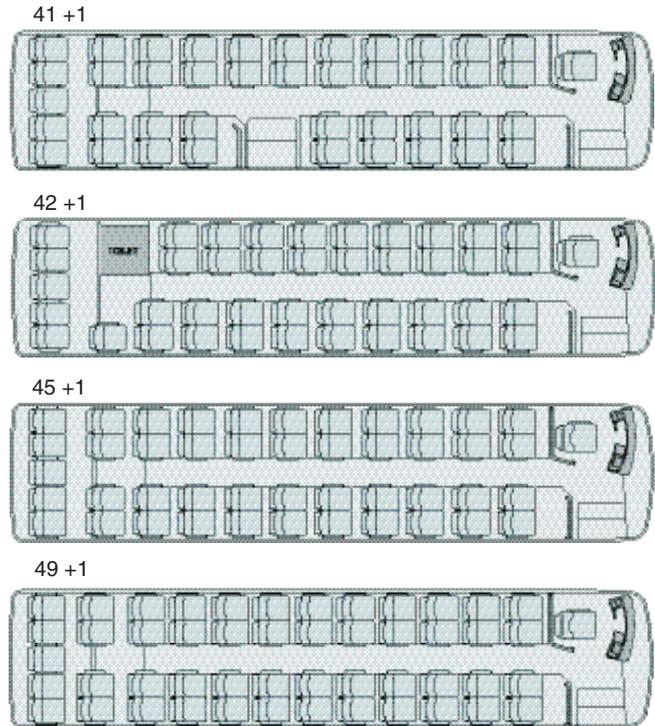
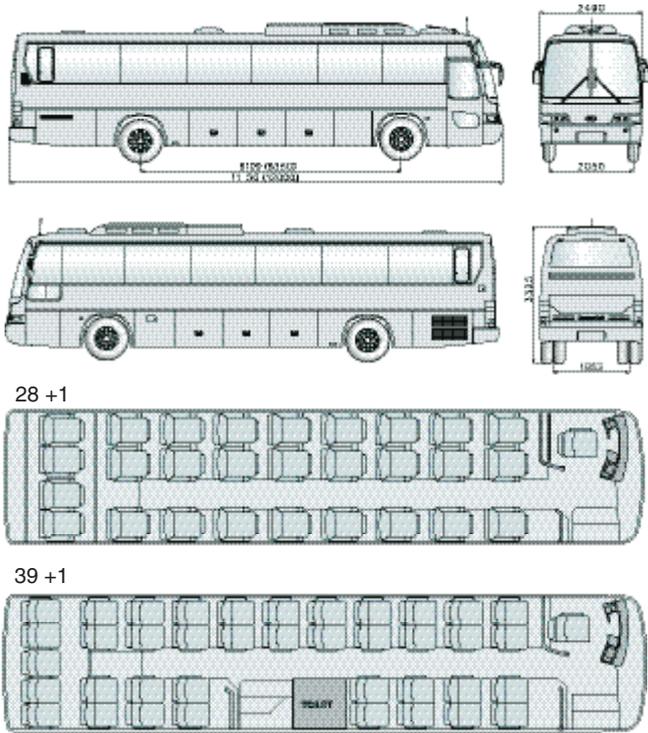


Luggage room



Defrosting deluxe mirror & window

BH117H / BH119H STANDARD SPECIFICATION



Major Specifications

| | |
|--------------------|--------------------------------|
| BODY STRUCTURE | RIVETLESS SKELETON, STEEL BODY |
| STEERING POSITION | LEFT HAND DRIVE |
| ENGINE MOUNTING | REAR |
| PASSENGER CAPACITY | 45+1 PERSONS |

| External Dimensions (mm) | BH117H | BH119H |
|--------------------------|--------|--------|
| OVERALL LENGTH | 11,750 | 12,000 |
| OVERALL WIDTH | 2,490 | 2,490 |
| OVERALL HEIGHT | 3,325 | 3,325 |
| WHEEL BASE | 6,100 | 6,350 |
| BODY OVERHANG (FRONT) | 2,470 | 2,470 |
| BODY OVERHANG (REAR) | 3,180 | 3,180 |
| TREAD (FRONT) | 2,050 | 2,050 |
| TREAD (REAR) | 1,853 | 1,853 |

| Internal Dimensions (mm) | BH117H | BH119H |
|--------------------------|--------|--------|
| INSIDE LENGTH | 10,500 | 10,700 |
| INSIDE WIDTH | 2,370 | 2,370 |
| INSIDE HEIGHT | 1,970 | 1,930 |

| Weight (kg) | BH117H | BH119H |
|-------------------|--------|--------|
| PERMISSIBLE G.V.W | 16,500 | 18,000 |
| CURB WEIGHT | 12,000 | 12,250 |
| G.V.W | 14,990 | 15,240 |

| Performance | BH117H | BH119H |
|-----------------------------|---------|---------|
| MAX SPEED | 123km/h | 123km/h |
| MIN TURNING RADIUS | 11.8m | 12.0m |
| GRADEABILITY(TAN θ) | 0.36 | 0.36 |

| | |
|--------------|----------------|
| Frame | MONOCOQUE TYPE |
|--------------|----------------|

| | |
|-------------------|--------------------------|
| Engine | |
| MODEL | DE12TI, DIESEL |
| TYPE | 4 CYCLE, WATER COOLED |
| NO. OF CYLINDER | 6, IN-LINE |
| BORE & STROKE | 123 X 155mm |
| DISPLACEMENT | 11,051cc |
| MAX HORSE POWER | 340ps/2,100rpm |
| MAX TORQUE | 135kg.m/1,260rpm |
| COMPRESSION RATIO | 16.5:1 |
| AIR CLEANER | DRY SINGLE PAPER ELEMENT |

Transmission

| | |
|----------|-------------------------------------|
| GEAR BOX | 5 FORWARD & 1 REVERSE |
| | 1st 2nd 3rd 4th 5th REV. |
| | 6.744 4.207 2.526 1.569 1.000 6.857 |

Wheel & Tire

| | |
|-------|-----------------------------------|
| TIRE | 11R22.5-16PR TUBELESS RADIAL TYPE |
| WHEEL | 8.25X22.5 WHEEL |

Suspension

| |
|---|
| AIR SPRING (BH117H : RR WIDE, BH119H : FRT/RR WIDE) |
| DOUBLE ACTING SHOCK ABSORBER |
| STABILIZER BAR |

Steering

| | |
|-----------------|---|
| OPERATION | RECIRCULATED BALL WITH INTEGRAL POWER ASSISTED BY OIL |
| GEAR RATIO | 22.4 : 1 |
| STEERING COLUMN | TILT & TELESCOPIC |
| STEERING WHEEL | 2 SPOKE WHEEL WITH HORN BUTTON |

Air Service

| | |
|----------------------------|-------------------------|
| AIR PRESSURE | 9.0kg/cm ² |
| AIR TANK | MAIN 50L, BRAKE 25L+35L |
| AIR TAP FOR TIRE INFLATION | |
| AIR DRYER | |

Brake

| | |
|-----------------|---|
| SERVICE BRAKE | FULL AIR DUAL CIRCUIT BRAKE SYSTEM |
| DRUM SIZE | FRONT 410mm, REAR 410mm |
| LINING (w/t) | FRONT 155/19mm, REAR 220/19mm |
| LINING MATERIAL | NON-ASBESTOS |
| PARKING BRAKE | SPRING ACTUATOR AT REAR WHEEL SPRING CHAMBER TYPE |
| AUXILIARY BRAKE | EXHAUST BRAKE-AIR OPERATED |

Clutch

| | |
|------------------|--|
| TYPE | DRY SINGLE PLATE WITH COIL SPRING DAMPER |
| FACING DIMENSION | OUTSIDE DIAMETER 430mm, THICKNESS 5mm |
| MATERIAL | NON-ASBESTOS |

BH117H / BH119H STANDARD SPECIFICATION

| | | | |
|---|--------------------------------------|--|--|
| Axle | | Glass | |
| FRONT AXLE | | WINDSHIELD | 2 SECTION UPPER TINTED LAMINATED CLEAR |
| TYPE | REVERSE ELLIOT 'I' BEAM | SIDE WINDOW | 1 SECTION FIXED TYPE TEMPERED GREEN |
| CAPACITY | BH117H : 6,000kg BH119H : 7,500kg | REAR WINDOW | 1 SECTION FIXED TYPE TEMPERED CLEAR |
| | | DRIVE WINDOW | SLIDING TYPE TEMPERED CLEAR |
| REAR AXLE | | Door | |
| TYPE | BANJO FULL FLOATING | ENTRANCE / EXIT DOOR | FRONT |
| CAPACITY | 10,500kg | TYPE | 1 SECTION OUTWARD SWING DOOR |
| FINAL GEAR RATIO | 39/12(3.25) HYPOID | OPERATING | ELECTRICALLY CONTROLLED WITH AIR ASSIST |
| Fuel Tank | | Entrance Step | |
| 400L | | NUMBER OF STEP | 2 STEP |
| | | MATERIAL | FLOOR-CHECKED AL, WALL-PLAIN STEEL |
| | | STEP MOULDING | ALUMINIUM |
| Horn | | Floor | |
| ELECTRIC TYPE | | STEPPED FLOOR(BH117H) | |
| | | 18mm(AISLE) 15mm(STEP) THICKNESS PLYWOOD WITH LARGE COIN PATTERN P.V.C MAT | |
| Wiper Arm & Motor | | FLAT FLOOR(BH119H) | |
| STEEL, VARIABLE SPEED (TIME DELAY RELAY) | | 18mm THICKNESS PLYWOOD WITH LARGE COIN PATTERN P.V.C MAT | |
| Electrical | | Audio | |
| BATTERY | 12V DC/MF-200AH 2PIECE | STEREO W/O ECHO TYPE | AM / FM RADIO, CASSETTE STEREO, 9 SPEAKERS |
| ALTERNATOR | 24V DC/150AMP | | ROOF HIGH |
| STARTER | 24V DC/6.0KW | ANTENNA | |
| | | STICK MIC & JACK | |
| Meter & Gauge | | Interior Equipments | |
| TACHOGRAPH (ELECTRICAL WITHOUT RPM GAUGE) | | AIR CONDITIONER | ROOF ON TYPE (24,000 kcal/h) |
| AIR PRESSURE GAUGE | | ROOF RACK(INSIDE) | ONE PIECE TYPE |
| FUEL GAUGE | | DEFROSTER | HOT AIR |
| VOLTMETER | | ENT. & DRIVER SEPARATOR | F.R.P |
| TACHOMETER (RPM METER) | | ENTRANCE HANDLE | STAINLESS PIPE |
| WATER TEMPERATURE GAUGE | | CURTAIN PROTECTOR | ELASTIC CORD |
| ENGINE OIL PRESSURE GAUGE | | CLOCK | DIGITAL TYPE |
| | | DRIVER CONSOLE BOX | |
| Seat | | Accessories | |
| DRIVER SEAT | | BUMPER(FRONT & REAR) | F.R.P |
| TYPE | AIR SUSPENSION TYPE | OUTSIDE REAR VIEW MIRROR | CONVEX MIRROR |
| UPHOLSTERY | CLOTH COVERING | TOWING HOOK | FRONT & REAR |
| SAFETY BELT | 3 POINT WITH ALARM | FIRE EXTINGUISHER | ABC TYPE (3.3kg) |
| PASSENGER SEAT | | SUNSHADE | CURTAIN TYPE(LH/RH) |
| TYPE | RECLINE TYPE | BATTERY STORAGE | STEEL COMPARTMENT |
| UPHOLSTERY | VINYL LEATHER COVERING | VENTILATOR | 1 AUTO & 1 LARGE MANUAL HATCHES ON ROOF |
| SAFETY BELT | REEL TYPE | EMERGENCY HAMMER | 4EA |
| OTHERS | GRIP, CUP HOLDER, POCKET | TOOL SET | |

BH117H / BH119H OPTION SPECIFICATION

Options

| | | |
|---|---|---|
| ENGINE | SEAT | HVAC |
| <ul style="list-style-type: none"> <input type="checkbox"/> DE12TIS (360ps/145kgf.m) <input type="checkbox"/> DE12TIS (340ps/145kgf.m, EURO II) <input type="checkbox"/> DV11 (360ps/160kgf.m, EURO III) <input type="checkbox"/> DV11 (380ps/173kgf.m, EURO III) : BH119H | <ul style="list-style-type: none"> <input type="checkbox"/> Passenger seat - Cloth covering <input type="checkbox"/> Conductor seat - Folding type <input type="checkbox"/> 28+1 (front door) <input type="checkbox"/> 39+1 (front/middle door, sunken toilet) <input type="checkbox"/> 41+1 (front/middle door) <input type="checkbox"/> 42+1 (front door, on floor toilet) <input type="checkbox"/> 49+1 (front door) | <ul style="list-style-type: none"> <input type="checkbox"/> Roof on cooler (26,000/28,000 kcal/h) <input type="checkbox"/> 1 Additional auto ventilator <input type="checkbox"/> Passenger heater <input type="checkbox"/> Preheater |
| CHASSIS | TRIM | ELECTRICAL |
| <ul style="list-style-type: none"> <input type="checkbox"/> RHD <input type="checkbox"/> Auto T/M <input type="checkbox"/> ZF Manual T/M with intarder <input type="checkbox"/> Speed limiter <input type="checkbox"/> Tire-11.00R-20-16PR <input type="checkbox"/> Tire-12R22.5-16PR <input type="checkbox"/> Automatic drain valve <input type="checkbox"/> Coolant corrosion inhibitor filter <input type="checkbox"/> Air pressure check tap <input type="checkbox"/> Anti freeze pump <input type="checkbox"/> Air gun set <input type="checkbox"/> Alternator-180AMP <input type="checkbox"/> Auto slack adjuster <input type="checkbox"/> ABS & ASR <input type="checkbox"/> Auto greaser <input type="checkbox"/> Heavy duty radiator (without fan clutch) <input type="checkbox"/> Twin air horn <input type="checkbox"/> Dual air cleaner filter element | <ul style="list-style-type: none"> <input type="checkbox"/> Small half opening type - Side window <input type="checkbox"/> Large half opening type - Side window <input type="checkbox"/> Colored glass- Bronze <input type="checkbox"/> Destination board - Front, small <input type="checkbox"/> First aid box <input type="checkbox"/> Wood grain - Driver instrument panel <input type="checkbox"/> Curtain assembly - General <input type="checkbox"/> Curtain assembly - Peacock <input type="checkbox"/> Inside rack - Clear lamp <input type="checkbox"/> Inside rack - Mood lamp <input type="checkbox"/> Inside rack - Closed with door <input type="checkbox"/> Outside roof rack & ladder <input type="checkbox"/> Toilet (on floor type) <input type="checkbox"/> Toilet (sunken type) | <ul style="list-style-type: none"> <input type="checkbox"/> 14" TV & VCR <input type="checkbox"/> 15" LCD TV & VCR, folding-middle <input type="checkbox"/> 17"/20" LCD TV & VCR <input type="checkbox"/> 'V' type TV antenna <input type="checkbox"/> 'UFO' type TV antenna <input type="checkbox"/> Analog clock <input type="checkbox"/> Water cooler & tank <input type="checkbox"/> Hot & cold cabinet <input type="checkbox"/> Carvision (back eye camera) <input type="checkbox"/> Stop button buzzer <input type="checkbox"/> Kitchen board <input type="checkbox"/> Stereo double deck type <input type="checkbox"/> Earphone set <input type="checkbox"/> Tachograph (with RPM) |
| BODY | | |
| <ul style="list-style-type: none"> <input type="checkbox"/> Stainless steel (STS, side & rear) <input type="checkbox"/> Middle swing exit door <input type="checkbox"/> Emergency door <input type="checkbox"/> Stepped floor (BH119H) | | |



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ROYAL CRUSTAR

BH117H

ROYAL SPECIAL

BH119H

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