



2X1 Seat arrangement with middle door



2X2 Seat arrangement

INTERIOR



Tilt & Telescopic steering wheel



Driver console box



Air conditioner louver(option)



Middle safety mirror (city)



Acryl type sunvisor (city)



Air parking brake



Stop button buzzer (city)

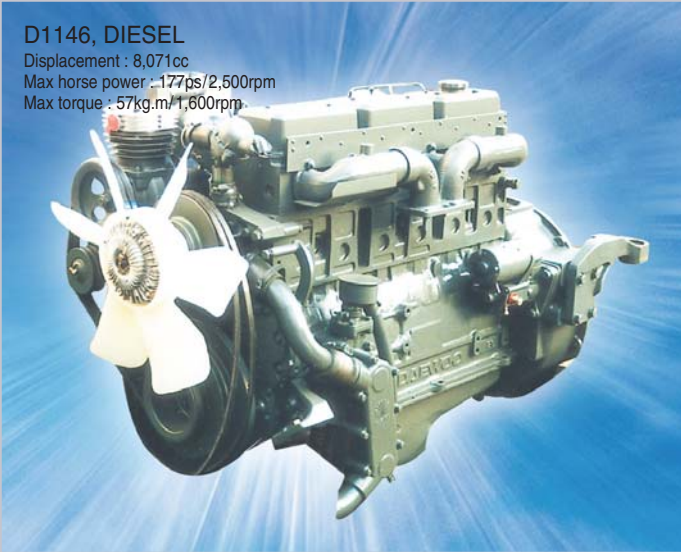


Air pressure switch

POWER

D1146, DIESEL

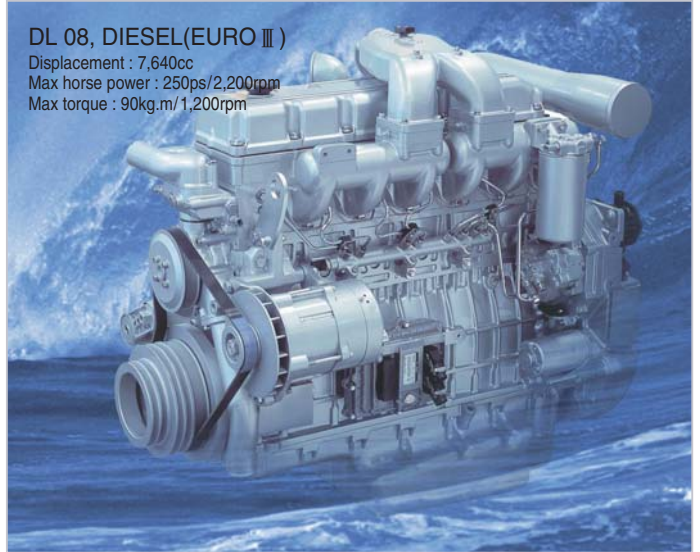
Displacement : 8,071cc
Max horse power : 177ps/2,500rpm
Max torque : 57kg.m/1,600rpm



Engine

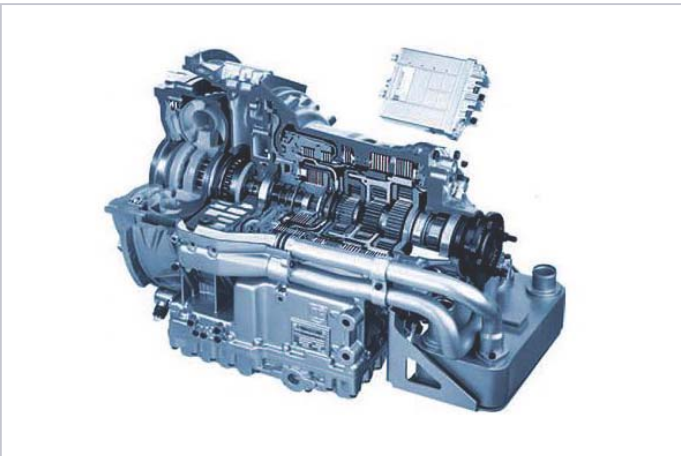
DL 08, DIESEL(EURO III)

Displacement : 7,640cc
Max horse power : 250ps/2,200rpm
Max torque : 90kg.m/1,200rpm



Engine (option)

TRANSMISSION



Auto transmission (option)

SUSPENSION



Leaf suspension

EXTERIOR



Non-city bus



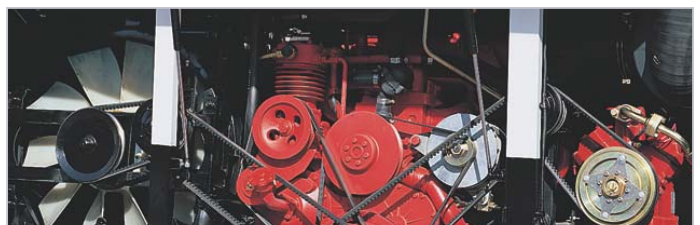
Emergency door (option)



Middle folding door (option)

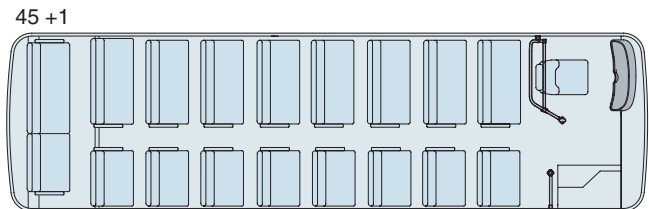
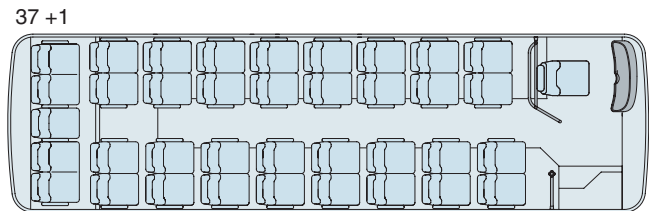
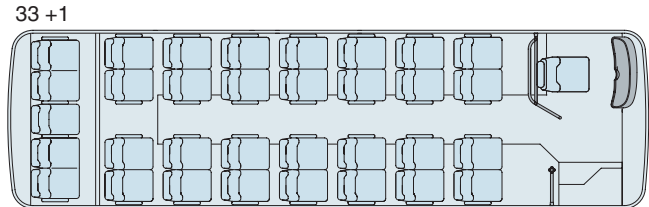
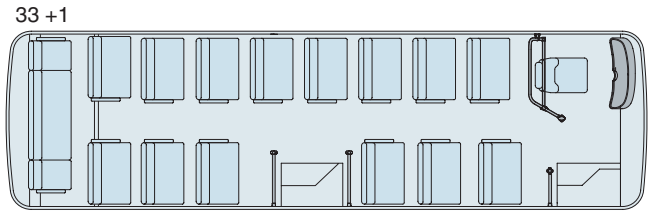
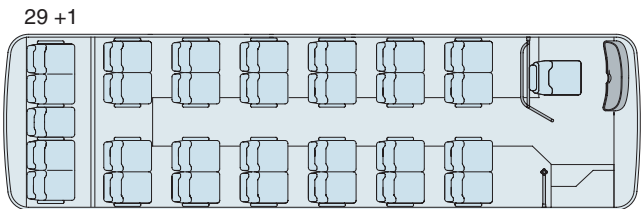
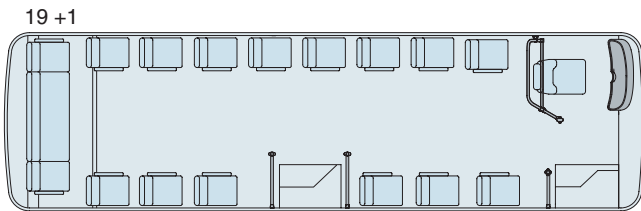
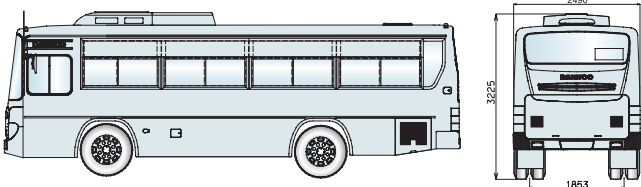
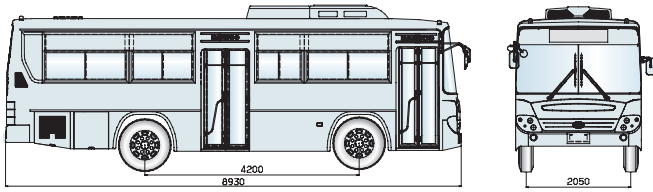


CNG Tank (option)



Engine room

BS090 STANDARD SPECIFICATION



Major Specifications

BODY STRUCTURE	RIVETLESS SKELETON, STEEL BODY
STEERING POSITION	LEFT HAND DRIVE
ENGINE MOUNTING	REAR
PASSENGER CAPACITY	NON-CITY : 33+1 PERSONS CITY : 24+(51)+1 PERSONS

External Dimensions (mm)

OVERALL LENGTH	8,930
OVERALL WIDTH	2,490
OVERALL HEIGHT	3,225
WHEEL BASE	4,200
BODY OVERHANG (FRONT)	2,005
BODY OVERHANG (REAR)	2,710
TREAD (FRONT)	2,050
TREAD (REAR)	1,853

Internal Dimensions (mm)

INSIDE LENGTH	8,130	PERMISSIBLE G.V.W	16,500
INSIDE WIDTH	2,380	CURB WEIGHT	8,400
INSIDE HEIGHT	1,970	G.V.W	NON-CITY : 10,610 CITY : 13,340

Weight (kg)

Performance

MAX SPEED	NON-CITY : 94km/h CITY : 82km/h
MIN TURNING RADIUS	8.1m
GRADEABILITY(TANθ)	NON-CITY : 0.32 CITY : 0.29

Frame

SEMI MONOCOQUE TYPE

Engine

MODEL	D1146, DIESEL
TYPE	4 CYCLE, WATER COOLED
NO. OF CYLINDER	6, IN-LINE
BORE & STROKE	111 X 139mm
DISPLACEMENT	8,071cc
MAX HORSE POWER	177ps/2,500rpm
MAX TORQUE	57kg.m/1,600rpm
COMPRESSION RATIO	17.6:1
AIR CLEANER	DRY SINGER PAPER ELEMENT

Transmission

GEAR BOX	5 FORWARD & 1 REVERSE
	1st 2nd 3rd 4th 5th REV.
	6.571 3.807 2.201 1.463 1.000 6.240

Suspension

SEMI-ELLIPTICAL ALLOY STEEL HEAVY DUTY LEAF
SPRING WITH HYDRAULIC DOUBLE
ACTING TELESCOPIC SHOCK ABSORBER

Wheel & Tire

TIRE	9.00-20-14PR TUBE TYPE
WHEEL	7.00T-20 WHEEL

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 380mm, THICKNESS 5mm
MATERIAL	NON-ASBESTOS

BS090 STANDARD SPECIFICATION

Axle

FRONT AXLE	
TYPE	REVERSE ELLIOT 'I' BEAM
CAPACITY	6,000kg
REAR AXLE	
TYPE	BANJO FULL FLOATING
CAPACITY	10,500kg
FINAL GEAR RATIO	NON-CITY : 39/8(4.875) SPIRAL BEVEL CITY : 39/7(5.571) SPIRAL BEVEL

Fuel Tank

200L

Horn

ELECTRIC TYPE

Wiper Arm & Motor

STEEL, VARIABLE SPEED (TIME DELAY RELAY)

Electrical

BATTERY	12V DC/MF-150AH 2PIECE
ALTERNATOR	24V DC/60AMP
STARTER	24V DC/4.5KW

Meter & Gauge

SPEEDOMETER & ODOMETER
AIR PRESSURE GAUGE
FUEL GAUGE
VOLTMETER
TACHOMETER (RPM METER)
WATER TEMPERATURE GAUGE
ENGINE OIL PRESSURE GAUGE

Seat

DRIVER SEAT	
TYPE	NON - SUSPENSION TYPE
UPHOLSTERY	CLOTH COVERING
SAFETY BELT	3 POINT WITH ALARM
PASSENGER SEAT	
TYPE	NON - RECLINE TYPE
UPHOLSTERY	VINYL LEATHER COVERING

Glass

WINDSHIELD	NON-CITY : 2 SECTION UPPER TINTED LAMINATED CLEAR CITY : 3 SECTION LAMINATED CLEAR
SIDE WINDOW	FULL OPENING TYPE TEMPERED CLEAR
REAR WINDOW	1 SECTION FIXED TYPE TEMPERED CLEAR
DRIVE WINDOW	SLIDING TYPE TEMPERED CLEAR

Door

ENTRANCE DOOR	FRONT
TYPE	2 SECTION INWARD FOLDING DOOR
OPERATING	ELECTRICALLY CONTROLLED WITH AIR ASSIST
EXIT DOOR	CITY : MIDDLE
TYPE	2 SECTION INWARD FOLDING DOOR
OPERATING	ELECTRICALLY CONTROLLED AIR ASSIST
SAFETY DEVICE	AIR PRESSURE SWITCH

Entrance Step

NUMBER OF STEP	2 STEP
MATERIAL	FLOOR-CHECKED STEEL, WALL-PLAIN STEEL
STEP MOULDING	ALUMINUM

Floor

NON-CITY : STEPPED FLOOR
15mm(AISLE) 12mm(STEP) THICKNESS PLYWOOD WITH LARGE
 COIN PATTERN P.V.C MAT
CITY : FLAT FLOOR
15mm THICKNESS PLYWOOD WITH SMALL COIN PATTERN
 P.V.C MAT

Audio

STEREO W/O ECHO TYPE	AM/FM RADIO, CASSETTE STEREO, 5 SPEAKERS
ANTENNA	SIDE-GENERAL TYPE
MIC & JACK	

Interior Equipments

DEFROSTER	HOT AIR
DRIVER SEPARATOR	P.V.C COATING PIPE W/SCREEN
ENTRANCE SEPARATOR	P.V.C COATING PIPE W/SCREEN
ENTRANCE HANDLE	P.V.C COATING PIPE
CEILING HANDLE	NON-CITY : P.V.C COATING PIPE (1ROW) CITY : P.V.C COATING PIPE (3ROW) & RING
DRIVER CONSOLE BOX	

Accessories

BUMPER(FRONT & REAR)	STEEL
OUTSIDE REAR VIEW MIRROR	CONVEX MIRROR
TOWING HOOK	FRONT & REAR
FIRE EXTINGUISHER	ABC TYPE (0.8kg)
SUNSHADE	NON-CITY : CURTAIN TYPE(LH) CITY : ACRYL TYPE(LH)
BATTERY STORAGE	STEEL COMPARTMENT
VENTILATOR	NON-CITY : 3 LARGE HATCHES ON ROOF & 1 DRIVER'S HATCH CITY : 3 LARGE HATCHES ON ROOF
EMERGENCY HAMMER	2EA
TOOL SET	

BS090 OPTION SPECIFICATION

Options

ENGINE <input type="checkbox"/> DE08TIS (225ps/82kgf.m, EURO II) <input type="checkbox"/> DL08 (250ps/90kgf.m, EURO III) <input type="checkbox"/> GE08TI (240ps/90kgf.m, CNG)	<input type="checkbox"/> Speed limiter <input type="checkbox"/> Twin air horn <input type="checkbox"/> Inhibiter (water filter) <input type="checkbox"/> Acceleration lock	<input type="checkbox"/> Inside rack - one piece <input type="checkbox"/> Destination board - front & rear <input type="checkbox"/> Curtain assembly
CHASSIS <input type="checkbox"/> Auto T/M <input type="checkbox"/> ABS & ASR <input type="checkbox"/> Tire-10.00-20-16PR <input type="checkbox"/> Tire-10.00R-20-16PR <input type="checkbox"/> Tire-11R22.5-16PR <input type="checkbox"/> Wheel cap <input type="checkbox"/> Rear stabilizer bar <input type="checkbox"/> Auxiliary 110liter fuel tank <input type="checkbox"/> Automatic drain valve <input type="checkbox"/> Coolant corrosion inhibitor filter <input type="checkbox"/> Anti freeze pump <input type="checkbox"/> Air gun set <input type="checkbox"/> Alternator-120AMP <input type="checkbox"/> Heavy duty radiator (without fan clutch)	BODY <input type="checkbox"/> Middle folding exit door <input type="checkbox"/> Emergency door	HVAC <input type="checkbox"/> Roof on cooler (21,000 / 24,000 kcal/h) <input type="checkbox"/> Auto ventilator <input type="checkbox"/> Passenger heater <input type="checkbox"/> Preheater
SEAT <input type="checkbox"/> Air suspension driver seat <input type="checkbox"/> Conductor seat <input type="checkbox"/> 19+1 (front/middle door) <input type="checkbox"/> 29+1 (front door) <input type="checkbox"/> 33+1 (front/middle door) <input type="checkbox"/> 37+1 (front door)	TRIM <input type="checkbox"/> Fixed type side window <input type="checkbox"/> Half opening type side window <input type="checkbox"/> Colored glass <input type="checkbox"/> First aid box	ELECTRICAL <input type="checkbox"/> Analog clock <input type="checkbox"/> Digital clock <input type="checkbox"/> Hot & Cold cabinet <input type="checkbox"/> 14" TV & VCR <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"/> Tachograph (electrical)



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ROYAL MIDI

BS090