

VOLVO  
NEW ZEALAND PRODUCT RANGE



# VOLVO BUSES. TAKING CARE OF PERFORMANCE

# VOLVO

## LONG-TERM COMMITMENT

Manufacturing since 1927, Volvo Bus Corporation has a long and proud history in the design and manufacture of first class passenger transport solutions. You can therefore rest easy that Volvo's products are proven and reliable even in New Zealand's often harsh operating environment. We have made a long-term commitment to support your business and Volvo products well into the future.

## RENOWNED FOR SAFETY

At Volvo we recognise passenger and driver safety is of the utmost importance. We proudly uphold safety as a core company value and ensure Volvo buses are among the safest vehicles on the road today. This is why all Volvo buses in New Zealand come with Electronic and Anti-lock Braking Systems (EBS and ABS) and Traction Control System (TCS) as standard features.

## HIGH QUALITY PRODUCTS

Volvo understands productivity counts because your bus is your business and a new bus or coach chassis is a big investment. We therefore guarantee the quality of our vehicles and ensure their reliability and durability even in the most demanding conditions. We use only high quality Genuine Volvo Parts and have ISO 9001 and ISO 14001 accreditations. These affirm our Quality and Environmental Management Systems are of the highest standards and provide peace of mind that every Volvo bus is built to last and therefore deliver an excellent whole of life operating cost.

## ENVIRONMENTALLY FRIENDLY & FUEL EFFICIENT

Operating a Volvo bus cannot only save you money but can help save the environment too. Using Selective Catalytic Reduction (SCR) exhaust gas after-treatment, Volvo is one of the world leaders in emission technology. In New Zealand, Volvo proudly offers its entire product range in Euro 5 well before the legislated date.

Volvo's SCR technology works by mixing a Urea solution known as AdBlue into the exhaust gases where it converts nitrogen oxides (NOx) into harmless nitrogen gas and water vapour. AdBlue is consumed by the bus at a rate of only 5-6% of the fuel used. What is more SCR also delivers excellent fuel efficiency and extended service intervals to save you money and reduce downtime.

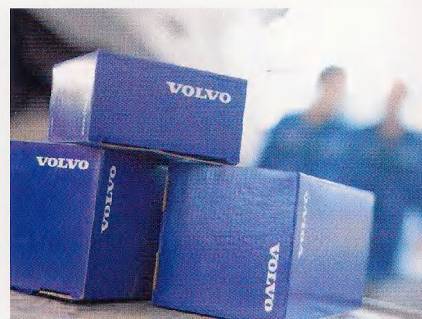
## LOCAL SALES AND ENGINEERING SUPPORT

Volvo's authorised dealer in New Zealand, Motor Truck Distributors, have more than 38 years of experience selling heavy vehicles solutions. They therefore have the knowledge and experience to ensure customers receive only first class service that extends well beyond the delivery of their vehicle. Their in house engineering team are qualified to provide all of the service and support you need as well as provide an important link to your coach body builder for technical assistance.

**Contact Motor Truck Distributors today for more information on Volvo's extensive bus and coach chassis range**

**Email: [sales@mtd.co.nz](mailto:sales@mtd.co.nz)**

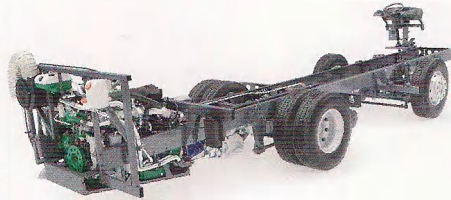
**Free Phone: 0800 MTD MTD (683 683)**



# VOLVO B9 RANGE

## NEW GENERATION VOLVO B9R/LE - FIRST CLASS TRAVEL

The latest generation Volvo B9R and B9RLE chassis have been designed with optimum drivability, efficiency and safety in mind. Their robust yet light weight frames have been built for a long and problem free service life in all applications including long distance, route service, charter and city bus. The powerful and efficient 9-litre engine, combined with the Volvo I-Shift transmission makes for an extremely comfortable ride while Volvo's first class safety features give you the ultimate peace of mind.



### ENGINE

- ~ 9.4 litre, 6 cylinder, 4 stroke diesel engine with turbocharger and intercooler
- ~ Overhead camshaft, 4 valves per cylinder
- ~ Unit injected fuel system to ensure high fuel efficiency
- ~ Wide torque range and rapid response to acceleration
- ~ Volvo EMS2 engine management control system and advanced diagnostics.
- ~ Volvo engine brake optional

D9B Euro 5	B9R/LE	B9TL
Hp	380 hp	310 hp
Bore	120 mm	120 mm
Stroke	138 mm	138 mm
Displacement	9.36 (litre)	9.36 (litre)
Compression ratio	18:1	18:1
Output	286 kW	228 kW
at	1900 rpm	1700 rpm
Torque	1740 Nm	1400 Nm
at	1200 rpm	1100-1500 rpm

### B9R/LE FACTS

- ~ 4x2 and 6x2 configurations available
- ~ Electronically controlled suspension
- ~ Electronically controlled disc brakes (EBS) with anti-lock braking system (ABS)
- ~ Robust steel frame with excellent stability
- ~ B9R is suitable for a wide range of applications including route, charter & long distance touring
- ~ B9RLE with its super low-floor for easy entry/exit is ideal for city bus operations
- ~ Fuel capacity options to suit your application

### B9R/LE TRANSMISSION

**Volvo I-Shift** - 12-speed manual gearbox with automated gearchanging system that optimises gearshifts under all conditions or

## VOLVO B9TL - THE ULTIMATE SOLUTION FOR EFFICIENT, HIGH CAPACITY OPERATION

The Volvo B9R chassis has also been adapted into a chassis purpose built for high capacity double deck city operations - the Volvo B9TL. Fully compliant with New Zealand legislation, the 6x2 Volvo B9TL is capable of a 90 passenger pay load. With the same powerful and fuel efficient D9B engine as the single deck chassis, it is the ultimate solution for efficient high capacity operations in stop-go city traffic.



### B9TL FACTS

- ~ 6x2 configuration - with fixed pusher axle
- ~ Purpose built chassis for high capacity double deck city bus operation
- ~ Super low-floor for easy entry/exit
- ~ Electronically controlled suspension
- ~ Electronically controlled disc brakes (EBS) with anti-lock braking system (ABS)

### B9TL TRANSMISSION

**ZF Ecolife** - 6-speed automatic gearbox with torque converter and hydraulic control unit or

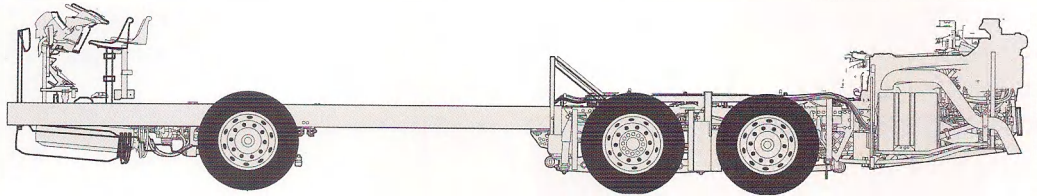
**Voith D864.5** - Fully automatic 4-speed gearbox with integrated retarder and electronic control system.

# VOLVO B13R SPECIFICATIONS

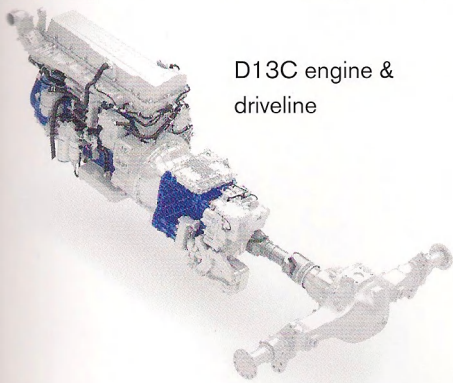
## QUICK FACTS

- ~ 4x2 or 6x2 options with hydraulically steered tag axle
- ~ Full air suspension
- ~ Independent front suspension for superior ride and handling
- ~ 14,500kg rear axle load with super single tyres
- ~ Euro 5 SCR - clean burning, cool running, low fuel consumption
- ~ On board diagnostics
- ~ Disc brakes with anti-lock braking system (ABS) & electronic stability control for the utmost safety
- ~ Final drive ratio to suit New Zealand conditions

## SAFE, EFFICIENT & RELIABLE LUXURY COACH TRAVEL



The new Volvo B13R coach chassis utilises a host of world leading technologies to redefine luxury coach travel and offer a completely new driving experience focused on optimum comfort, safety, efficiency & drivability. Although the B13R is built on Volvo's all new 'PX' chassis platform, it uses the same vertically installed 13-litre engine (D13C) that has been used by Volvo Trucks for several years. It is thus one of the world's most-sold heavy diesel engines and has proven performance and reliability. Despite its high power & torque, it is among the cleanest and most fuel efficient vehicles on the road today.



D13C engine & driveline

## ENGINE

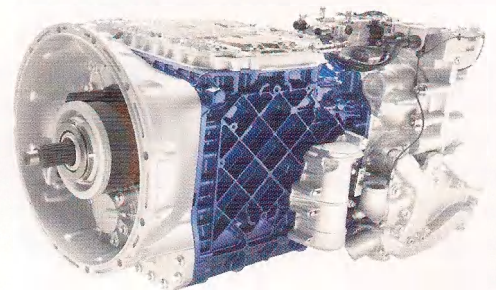
- ~ Vertically installed 13-litre in-line six-cylinder diesel engine (Volvo D13C)
- ~ Turbocharger & intercooler
- ~ One piece cylinder head, overhead camshaft, four valves per cylinder
- ~ Electronically controlled unit injectors.
- ~ 420hp or 460hp available
- ~ Long service intervals, low cost life

D13C (Euro 5)	420 hp	460 hp
Bore	131 mm	131 mm
Stroke	158 mm	158 mm
Displacement	12.8 (litre)	12.8 (litre)
Compression ratio	17.8:1	17.8:1
Output	309 kW	339 kW
at	1800 rpm	1800 rpm
Torque	2100 Nm	2300 Nm
at	1100-1400 rpm	1050-1400 rpm

## TRANSMISSION

The Volvo I-Shift is a 12-speed manual gearbox with an automated gearchanging system that optimises gearshifts under all operating conditions. The result is high shift quality, excellent driving comfort and low fuel consumption. It changes gears swiftly to minimise interruptions in torque. It also offers a wide range of ratios, enabling a high average speed to be maintained.

**For more detailed chassis specifications including weights & dimensions contact your local Volvo dealer.**



Volvo I-Shift Transmission

# VOLVO B7 RANGE

## VOLVO B7R - BUILT TO SAVE YOU MONEY

The Volvo B7R chassis is precision built with a robust and dependable bolted steel frame that is lightweight and designed for a long and problem free life. It is built using cutting edge technology and has proven to be among the cleanest, most fuel efficient and reliable chassis available. With low operating costs, excellent drivability, generous aisle width and on board diagnostics as standard, the Volvo B7R chassis has been built with the end user in mind and can be easily tailored to suit school bus, charter and long distance operations.

## ENGINE

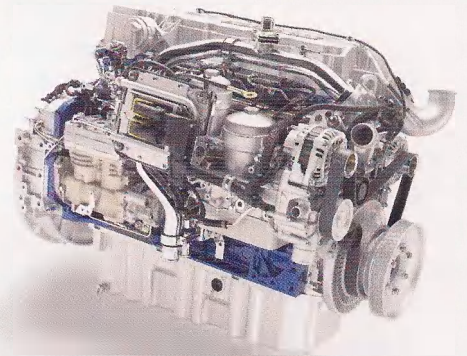
- ~ 7-litre, 6 cylinder, 4 stroke turbo-charged deisel engine
- ~ Overhead valves and electronically controlled injection
- ~ Common rail fuel system to ensure high fuel efficiency
- ~ Volvo EMS2 engine management control system and advanced diagnostics
- ~ Volvo's most popular engine worldwide - proven reliability and excellent drivability

### D7E 290hp, Euro 5

Bore	108 mm
Stroke	130 mm
Displacement	7.14 (litre)
Compression ratio	18:1
Output	213 kW (290hp)
at	2100 rpm
Torque	1200 Nm
at	1050-1650 rpm

## B7R FACTS

- ~ 4x2 configuration with electronically controlled suspension
- ~ Disc brakes with anti-lock braking system (ABS) & electronic stability control
- ~ Robust & lightweight steel frame
- ~ Suitable for a wide range of applications including school, charter & long distance
- ~ Fuel efficient, reliable, excellent drivability



Volvo D7E  
290hp engine

## VERSATILE, ECONOMICAL, RELIABLE VOLVO B7RLE



Volvo's low entry city bus, the B7RLE, heralds from the B7R range - Volvo's best selling chassis worldwide. The rigid frame and front axle offer excellent stability and turning radius, whilst the 7-litre, common rail fuel injection engine provides generous torque range and outstanding driveability. Couple this with the use of quality, durable components which promote fuel efficiency and long service life, the B7RLE is a truly competitive, efficient chassis ideal for any urban traffic environment where reliability is key. The Volvo B7RLE is now available in both 4x2 and 6x2 axle configurations, providing a quality high capacity city bus alternative.

For more detailed chassis specifications contact your local Volvo dealer.

## TRANSMISSION

**ZF Ecolife** - 6-speed automatic gearbox with torque converter and hydraulic control unit or

**Voith D864.5** - Fully automatic 4-speed gearbox with integrated retarder and electronic control system.

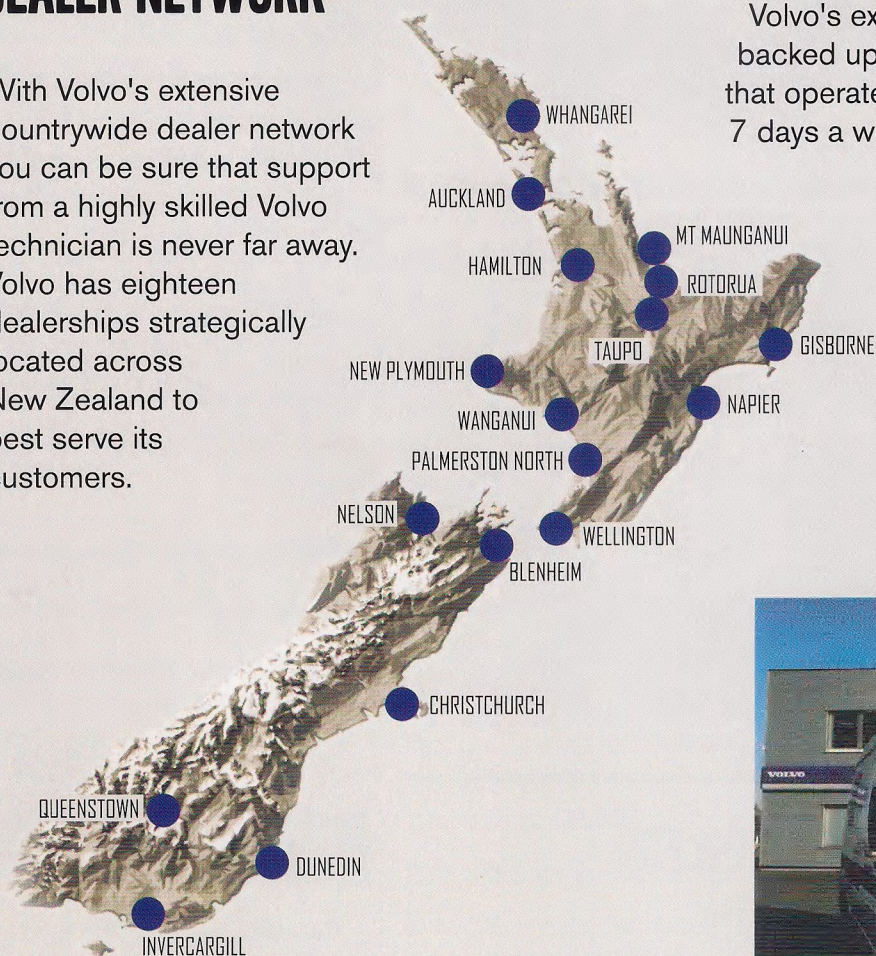
## B7RLE FACTS

- ~ 4x2 and 6x2 axle configurations available
- ~ Steerable tag axle at rear of 6x2 chassis for easy manoeuvrability and load capacity
- ~ Ideal for city bus operations with high fuel efficiency and excellent drivability
- ~ Super low-floor for easy entry/exit
- ~ Electronically controlled suspension
- ~ Disc brakes with anti-lock braking system (ABS) & electronic stability control

# VOLVO BUSES. WHEN PRODUCTIVITY COUNTS

## PARTS & SERVICE DEALER NETWORK

With Volvo's extensive countrywide dealer network you can be sure that support from a highly skilled Volvo technician is never far away. Volvo has eighteen dealerships strategically located across New Zealand to best serve its customers.



## VOLVO ACTION SERVICE

Volvo's extensive dealer network is also backed up by a first class action service that operates around the clock 24 hours, 7 days a week to ensure no matter when and where you are in New Zealand, help from a skilled Volvo technician with the latest tools and diagnostic equipment is just a phone call away.

**24 HOUR FREE CALL  
PH: 0800 802 273**



**For more information contact Motor Truck Distributors today**

**Phone: 0800 683 683**

**Email: [sales@mtd.co.nz](mailto:sales@mtd.co.nz)**

# VOLVO

Motor Truck Distributors (NZ)  
[www.volvobuses.com](http://www.volvobuses.com)