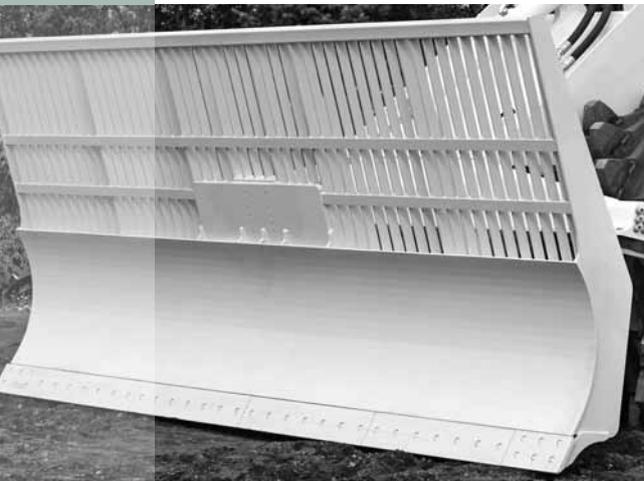


The BOMAG BC 972/BC 1172 Refuse Compactor.
Effective and Efficient.
Total performance in the 45 to 57 t class.



BOMAG refuse compactors. The key to your success.

BOMAG Refuse Compactors of the 45 to 57 t class embody a multitude of design benefits accumulated over decades of experience on landfill sites – combined with the BOMAG philosophy of uncompromising quality to meet the challenges of modern landfill sites. The result is a compactor of outstanding effectiveness, employing cutting edge technology for higher productivity in combination with low operating costs and excellent serviceability.



Your keys to success!

The basis for every landfill site's financial success is the optimum utilisation of capacity from the highest possible compaction of waste materials. BOMAG refuse compactors achieve consistently impressive compaction results through their purpose-built design features:

- **Efficiency:** low fuel consumption for reduced operating costs
- **Power:** modern, high-performance new generation diesel engines supply ample power for all demands
- **Low maintenance:** the design concept produces outstanding compaction with the lowest maintenance needs
- **Protecting the environment:** cutting edge engine technology combined with efficient exhaust gas after-treatment
- **Ergonomic:** for day-to-day or scheduled maintenance, the ergonomic design and fast access to all essential service points save time and costs
- **Versatility:** a choice of models designed for a wide range of sites
- **Value retention:** durable technology and high quality workmanship ensure a high resale value
- **Availability:** excellent access and long maintenance cycles mean reduced maintenance times. In combination BOMAG extended warranty and service packages, these compactors are designed to keep on working – and compacting



Engine with exhaust gas stage 3b / Tier 4i.

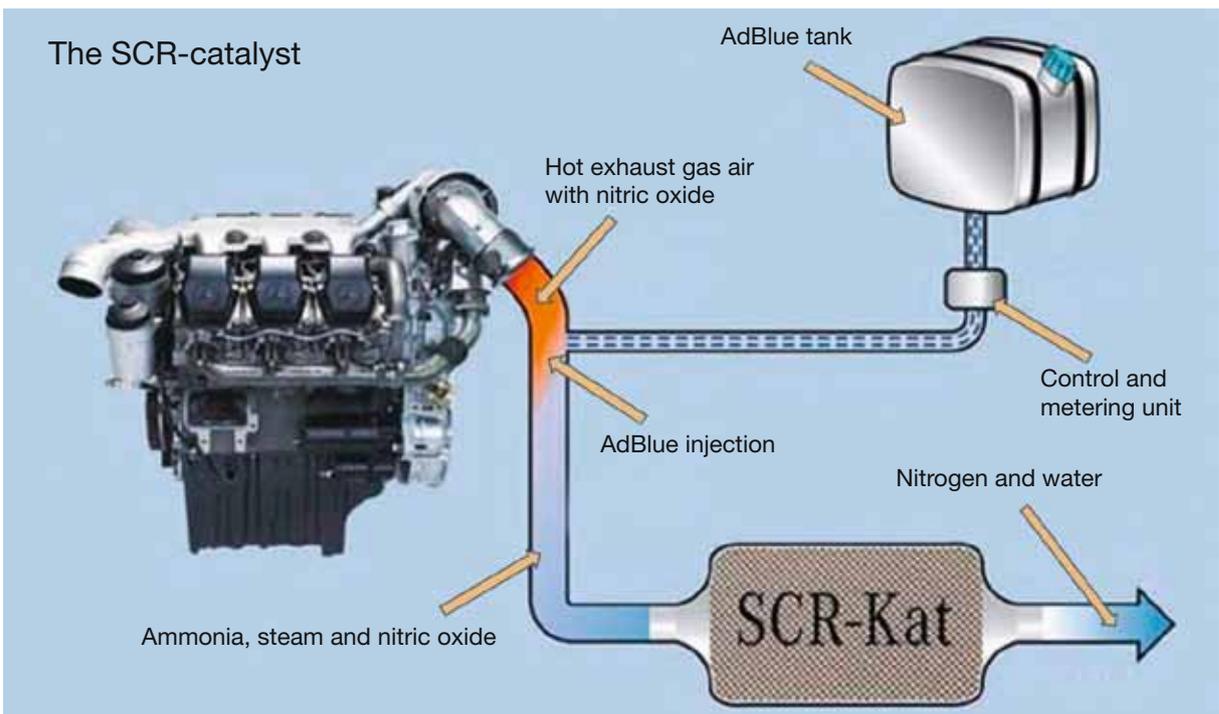


OM 502 LA V8.

- a high-powered diesel engine with a robust and well-proven track record in the commercial truck industry produces amazingly low fuel consumption
- global sales and service
- up to 13% lower fuel consumption
- low operating costs
- 8-cylinder V-type engine
- intelligent, decoupled cooling system



OM 502 LA V8 – proven reliability.



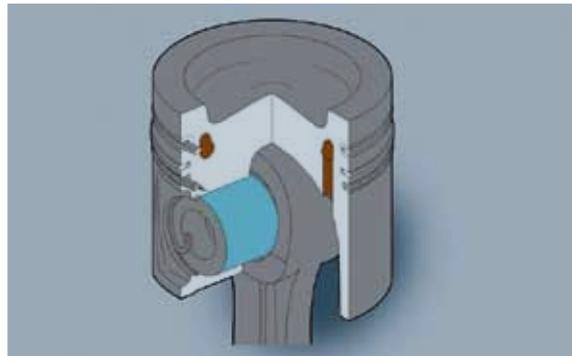
Exhaust gas after-treatment.

Emissions reduction and higher efficiency.

- The hydraulic reversible fan automatically cleans the radiator and, with long cleaning intervals, cuts costs and extends on-site working availability
- The intelligent fan speed control supplies the cooling system with exactly the required volume of air. This reduces the power consumption of the fan and cuts operating costs
- The special piston design allows steep injection angles which produces less carbon and reduces the load on the exhaust gas after-treatment system



Intelligent cooling.



W-shaped piston.



Normal operation.



BC 972/1172 RB-3 reversing operation system.

Sustainability.

As market leader in compaction technology BOMAG is highly focussed the question of sustainability. This includes the efficient handling of natural resources during manufacturing and during their use. BOMAG puts its policy of sustainability into practice above all in the refuse compactor product range.

Recyclable materials

In the refuse compactor market it is often required to describe sustainability using hard facts at the tendering stage. BOMAG uses raw materials with the highest possible recycling value – refuse compactors are over 92% recyclable.

Renewable resources and biological fuels and lubricants

BOMAG offers the option of a choice of engine types on its refuse compactors suitable for use with bio-diesel. BOMAG also uses biological fuels and lubricants such as hydraulic oil.



Efficient drive technology

BOMAG refuse compactors use a high-pressure hydraulics drive system which requires few components in the drive train, giving a high level of efficiency with low energy consumption. Speed-controlled radiator fans provide an adapted air flow to cool the engine and save approximately 5% in fuel costs.

Low emissions

BOMAG has long, practical experience in implementing emissions regulations on all its product ranges. Intelligent BOMAG cooling system combined with the latest engine technology offer tangible

benefits on site. All BOMAG refuse compactors are equipped with engines that comply with current exhaust regulations. BOMAG continues to meet the challenges of modern environmental protection regulations whilst delivering these impressive, powerful and efficient compactors.

A better environment benefits operators too

The cooling system means BOMAG refuse compactors work extremely quietly, thus providing the operator and site surroundings with an improved working environment. Pollution caused by dust and gas is kept to a minimum by the cab filter system.



Shifting and distributing refuse.

The key to optimum compaction is the distribution of waste into suitable layer thicknesses. For even distribution operators need precision handling, high pushing power and good traction. These are all basic features on all BOMAG refuse compactors!

The joystick is easy and effortless to use which means ultimate accuracy when working. The smooth hydrostatic drive converts the power of the water-cooled turbo diesel engine into high drive power. The load limit control smoothly adjusts the

travel speed automatically to the load for optimum utilisation of the power available. A unique feature is the oscillating articulated joint designed for the toughest loads and stresses of landfill operation. The joint has 15° oscillation and 40° steering to either side between the front and rear frames. The result is all wheels maintain ground contact giving optimum compaction and traction.



- 1 Optimum traction:** the oscillating articulated joint provides continuous ground contact.
- 2 Hydraulic wheel drive** with “Load limit control!” (load dependent speed control).

- 3 High pushing power** with choice of **dozer blades optimized for specific applications.**
- 4 Clean wheels** with double-acting **scrapers** for optimum compaction.

We'll shift mountains!

BOMAG refuse compactors in the 45 to 56 t class with dozer blade (RB).

Dozer blades

- Large area dozer blade with grid attachment for good all-round vision
- Semi-U-Blade design (10 % bigger volume with the same width)
- Open dozer blade design
- All cutting edges use wear resistant steel

Dozer blade width: 5,200 (5,244) mm

Dozer blade height: 1,950 mm

Height adjustment above ground level: 1,200 mm

Height adjustment below ground level: 50 mm



Semi-U-Blade.



Compaction.

When material is evenly distributed the best compaction will result – something you can rely on anyway with BOMAG. And compaction significantly influences the life of a landfill site. With the high investment needed in modern landfill sites, every additional cubic meter filled in is money

earned. BOMAG achieves optimum compaction with its wheel geometry, scrapers and uniform ground contact. Outstanding compaction results are achieved in combination with the effect of the machine weight.



1 Polygonal disc wheels with teeth for maximum crushing, kneading, depth effect and compaction.

2 Optimum compaction is produced by the effect of the oscillating joint which delivers uniform load distribution to the compactor wheels.

3 Scrapers ensure clean wheels and guarantee high compaction.

4 Additional transverse forces add to the compaction effect.

BOMAG design is the difference.

Optimum waste crushing and compaction.

BOMAG wheels with weld-on teeth

- welded wheel bodies with inner taper on both sides for optimum stability
- specially shaped, weld-on and compaction enhancing polygonal compactor segments
- equipped with high quality, forged weld-on teeth for optimum crushing and compaction

BOMAG wheels with premium teeth and wear warranty of 10,000 hours

- welded wheel bodies with inner taper on both sides for optimum stability
- welded armouring at the wheel edges for optimal service life in combination with the cable cutters
- specially shaped, weld-on polygon compactor segments with compaction teeth attached
- compactor teeth using extra high wear-resistant composite casting, i.e. two materials cast consecutively for extended service life



High-quality forged weld-on teeth.



Premium teeth with a wear warranty of 10,000 hours.

Ergonomics and easy handling.

Consider this: an investment in an efficient machine will be enhanced when the operator is able to work effectively for extended periods with no loss of productivity or workmanship.

To achieve this BOMAG has designed a flexibly mounted cab, which is an ergonomic workplace featuring an extra-low sound pressure level.

A range of optional extras make work easier for the operator via machine performance monitoring or increased comfort and convenience.



1 Cab with large glass areas for a clear view over the work environment.

2 The ergonomic high-comfort operating environment for extended fatigue-free work.

3 Joystick control – full control at all times.

4 Gauges and controls all arranged directly in view means the operator is fully informed and in control.

More comfort and convenience.

Hi-Comfort cab

- This comfortable cab meets all ROPS and FOPS regulations

Configuration:

- Heating and air conditioning system
- Working lights
- Large exterior rear-view mirrors
- Large stowage spaces
- Safety glass
- Windscreen wipers with washer system
- Ergonomic comfort seat with pneumatic suspension, arm rests, seat belt and seat heating. APS (Automatic Positioning System) ensures optimum positioning in relation to the operating controls
- Stereo CD radio (MP3) incl. aerial and 2 loudspeakers in the cab roof. All are resistant to vibration



Comfort cab complying with ROPS and FOPS standards.

Auxiliary heating (Airtronic)*

- Auxiliary heating independent from the engine (air heating), in addition to the existing heating system

*optional



Air conditioning control panel.



Airtronic auxiliary heating.

Safety is paramount.

To BOMAG safety is an item with no room for compromise. Even in standard versions BOMAG refuse compactors meet all safety regulations for everyday use on landfill sites and every refuse

compactor can be adapted to each site with a range of options which also comply with all safety requirements.



1 Frame in enclosed box design offers maximum protection to all drive units with no material ingress, i.e. no ignition on hot components.

2 Cab design complies with ROPS and FOPS regulations.

3 Two independent braking systems (hydrostatics used as service brake, multiple discs for the parking brake).

4 Large mirrors on both sides combined with the large glass areas provide excellent all-round vision.

Making life easier.

Access

The easy access with wide, skid-proof steps allows the driver to safely access his work place.

Preparation for protective ventilation system*

The high concentration of dust on landfill sites makes work demanding. Pollution affecting the operator can often only be reduced with special filter technology. Here BOMAG offers pre-fitting of the cab with this technology. This gives users the opportunity of installing a filter system with a specialist supplier tailored to known requirements.

Reversing camera*

The reversing monitoring system comprises a video camera at the rear and a colour display (screen) in the operator's cab – for optimum overview of the work area. The screen can be removed easily and reinstalled; e.g. for safe storage outside working hours.

Fire extinguisher*

Hand-held fire extinguisher with 6 kg content. A fire safeguard always on board.

* optional



Access to the workplace.



An eye rearwards.



Portable fire extinguisher.

Easy maintenance.

Maintenance does incur costs but BOMAG's development aim is always to keep these costs minimised. Major savings have been achieved by arranging components and combining this with

easy access. The options available considerably reduce cyclic expenses, while also reducing running costs, and provide easy maintenance even with the highest site demands.



1 Large maintenance openings for easy access to the drive components.

2 Fast access to all points for maintenance.

3 Optimum access from all sides.

4 Well protected control centre in the cab.

Saving time.

■ Working platform

A working platform is located on both sides of the machine giving safe and easy access to the maintenance areas.

■ Central lubrication system

The central lubrication system supplies the mechanical bearing points. The lubricant container with agitator allows the lubricant to be conveyed free of air locks. Features an automatic interval function. The content of the grease container is sufficient supply for up to 500 operating hours. The function monitoring system guarantees reliable supply to all lubricating points.

■ Warranty extension and maintenance contracts*

BOMAG Service can offer customised service packages to suit individual requirements and



Access..



Running smoothly.

allows operating costs to be fixed. Users are protected from unexpected costs – real added value.

* optional



Reliability and Durability.

By using the latest proven components from leading suppliers BOMAG ensures that the financial expectations of customers are exceeded – not just in the first years, but through the entire life cycle

of the machine. To maintain high efficiencies over the long-term all components are protected by highly effective filtration technology.



1 Filter system in the hydraulics.

2 Hydraulic components designed for long-term continuous operation.

3 Multi-stage fuel filtering system.

4 Electronically monitored hydraulics return flow filter system.

Maintenance, service and warranty.

You look for:

The maximum machine reliability and a long service life coupled with minimal operating costs.

The solution:

Save time and money with BOMAG spare parts and service products.

- No expensive consequential damage caused by alternative parts which are not compatible. Only BOMAG original spare parts meet your refuse compactor requirements in terms of quality and functionality.
- BOMAG coolants and lubricants meet the high demands of the machine components and maximise both the maintenance cycles and service life.

- BOMAG service kits contain all necessary parts for proper maintenance in one package at attractive prices. It couldn't be easier.

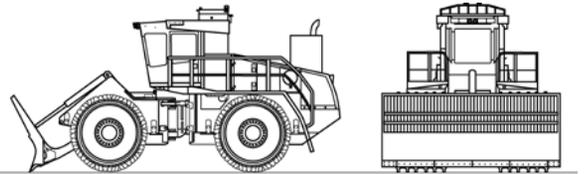
Take advantage of BOMAG expertise in service and spare parts for peace of mind.



BOMAG refuse compactors – specialist land-fill compactors with a choice of specifications.

Basic machines

BC 972 RB-3	47,8 t, 400 kW (3b/4i)
BC 1172 RB-3	55,8 t, 440 kW (3b/4i)



Standard

Options

Dozing and distributing

- Re-adjustable scraper systems
- Wire deflector on the inside of the wheels
- 4-wheel drive

- Dozer blade open 5.20 m
- Semi-U-Blade 5.24 m
- Dozer blade accessories

Wheels

- Wheels with BOMAG weld-on teeth
- Premium wheels with warranty

Ergonomics and easy operation

- ROPS/FOPS cabin
- Vibration-insulated cab suspension
- Air-suspended driver's seat with seat heating
- Joystick operation next to the driver's seat
- Automatic heating/air conditioning system
- Activated charcoal filter for cab air
- Sun shade

- Auxiliary heating

Reliability and Durability

- Hydraulic filter system with wear monitoring
- Electronic monitoring module with engine shut-down
- Multi-stage fuel filter system

- BOMAG TELEMATIC Power
- Collision protected tail gate

Safety

- Windscreen wipers front and rear
- Interval switch for windscreen wiper
- Exterior rear-view mirrors on both sides, heated
- Inside rear-view mirror
- Flashing beacon

- Reversing monitoring
- Preparation for protective ventilation
- Cyclone preliminary separator cabin
- Collision protection tail gate + Cyclone preliminary separator cabin
- Anti-theft protection

Easy maintenance

- Maintenance platform on both sides
- Central lubrication system

- Extended warranty
- Telematics
- Biodegradable hydraulic oil

For on-site optimisation

- Special spray paint without cab, single-colour
- Special spray paint without cab, two colours
- Special spray paint for cab
- Multi-colour spray painting

BOMAG TELEMATIC.*

Your machine is just a mouse click away.

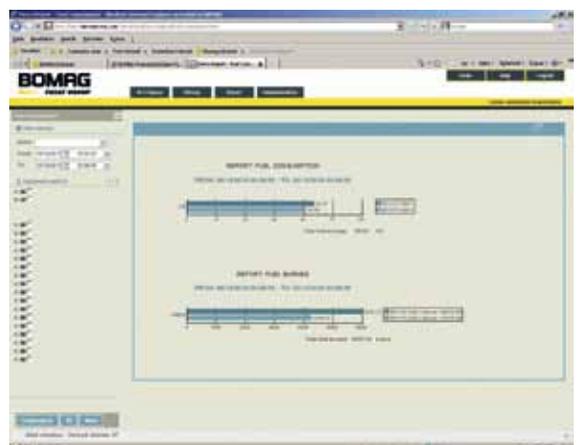
BOMAG also helps users in the back-office. BOMAG TELEMATIC provides the most important machine data at all times – e.g. operating hours and machine output – regardless of machine location. BOMAG TELEMATIC can monitor and manage an entire fleet. Users know at all times where machines are, how they are being used and when the next service is due. Alarms are automatically generated; for example, if a machine leaves a defined construction site with no authorisation.

BOMAG TELEMATIC also allows fuel costs to be allocated in detail and service work to be planned and documented. All recorded data can be tracked.

- **Maintenance scheduling:** The entire fleet at a glance. All services are centrally documented
- **Full fuel monitoring:** BOMAG TELEMATIC provides precise information about actual fuel consumption
- **Flexible:** BOMAG TELEMATIC is the solution for the entire fleet: Machines from other manufacturers can be readily included



Knowing where machines are at any time.



Fuel costs can also be allocated in detail.

*optional

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