

EFFECTIVE AND EFFICIENT. TOTAL PERFORMANCE IN THE 44 TO 56 T CLASS.

BC 972 / BC 1172.



BOMAG REFUSE COMPACTORS. THE KEY TO YOUR SUCCESS.

BOMAG Refuse Compactors of the 44 to 56 t class embody a multitude of design benefits, which result from decades of experience in landfill sites. These are combined with BOMAG's philosophy of uncompromising quality to meet the challenges of modern landfill sites.

The result is a compactor of outstanding effectiveness that uses state-of-the-art technology to deliver higher productivity with low operating costs and excellent serviceability.



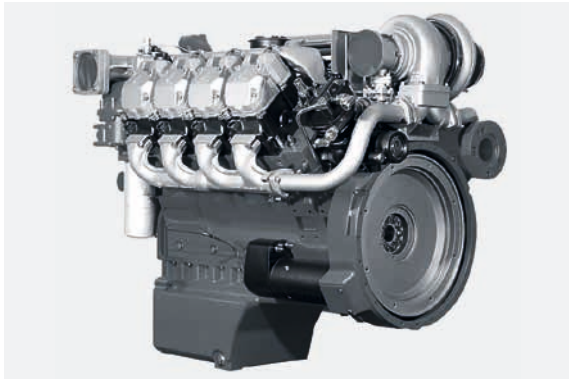
YOUR KEYS TO SUCCESS!

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



EXHAUST LEVEL 3A / TIER 3 (BC 972/1172 RB-2).



TCD 2015 V8.



- The powerful turbo diesel engine handles peak workloads with ease
- Intercooler
- Compact, simple layout
- Easy servicing
- Simple exhaust system without catalytic converter or DPF
- Robust engine technology for lasting performance
- Global distribution and service
- High tolerance for variable fuel quality
- Modern injection system
- Optional temperature-governed cooling system, adjustable fan blades make it possible to alter and reverse the air flow for high efficiency and long maintenance intervals
- No additional operating materials required



EXHAUST LEVEL 4 / TIER 4 FINAL (BC 972/1172 RB-4).

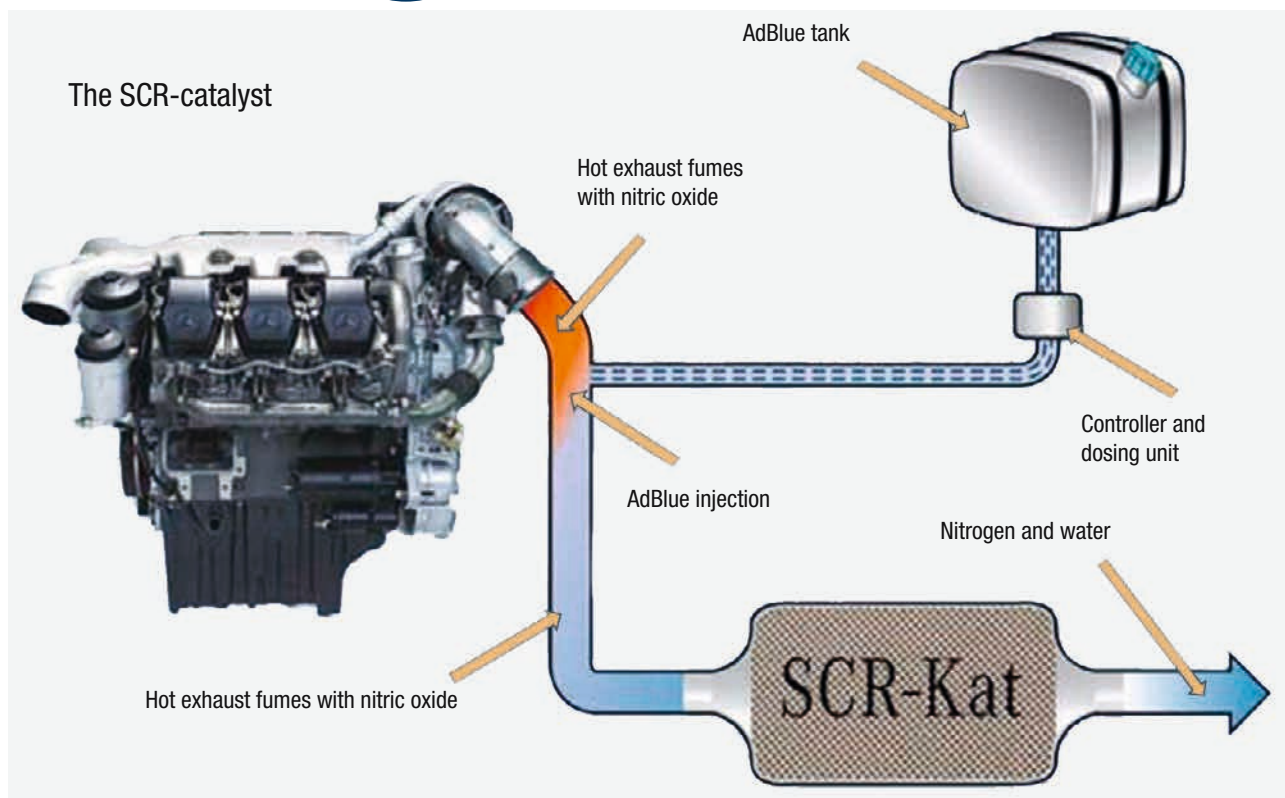
- A high-powered diesel engine with a robust and well-proven track record in the commercial truck industry produces amazingly low fuel consumption
- Global sales and service
- Up to 13% lower fuel consumption
- Low operating costs
- 6-cylinder inline engine
- The hydraulic reversible fan automatically 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



Intelligent cooling.



OM 473 LA proven reliability.



Exhaust after-treatment system.

SUSTAINABILITY.

As the market leader in compaction technology, BOMAG focusses closely on sustainability. This includes the efficient handling of natural resources during the manufacturing process and during the machines' use. BOMAG's sustainability policy is implemented above all in the refuse compactor product range.

RECYCLABLE MATERIALS

In the refuse compactor market, hard facts on sustainability are often required 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 a selection of engine types for its refuse compactors that are suitable for use with biodiesel. BOMAG also uses biological fuels and lubricants such as hydraulic oil.



EFFICIENT DRIVE TECHNOLOGY

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

LOW EMISSIONS

BOMAG has extensive practical experience in implementing emission regulations on all its product ranges. The intelligent BOMAG cooling system combined with the latest engine technology offers 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 while supplying impressive, powerful and efficient compactors.

A BETTER ENVIRONMENT BENEFITS OPERATORS TOO

The cooling system means BOMAG refuse compactors work extremely quietly, thus improving the working environment for the operator and site surroundings. 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. To ensure even distribution, operators need precision handling, high pushing power and good traction. These features come as standard on all BOMAG refuse compactors.

The joystick is simple and effortless to use, offering excellent operational accuracy. The smooth hydrostatic drive converts the power of the water-cooled turbo diesel engine

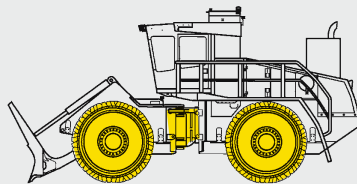
into high drive power. The load limit control automatically adjusts the travel speed to the load for optimum utilisation of the available power. A unique feature is the oscillating articulated joint, designed for the toughest loads and stresses of landfill operation. The joint has 15° oscillation and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



Optimum traction: the oscillating articulated joint provides continuous ground contact.



Hydraulic quad pump drive with "load limit control" (load-dependent speed control) (shown -4).



High pushing power with choice of dozer blades optimized for specific applications.



Clean wheels with double-acting scrapers for optimum compaction.

WE SHIFT MOUNTAINS!

BOMAG REFUSE COMPACTORS IN THE 44 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



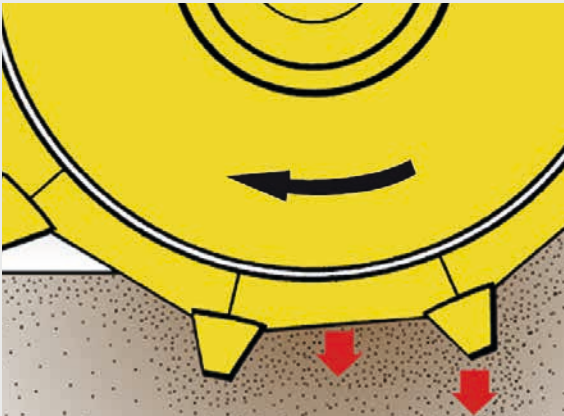
Semi-U-Blade.



COMPACTION.

Optimum compaction results from even distribution of the material – something you can always rely on with BOMAG. And compaction significantly influences the lifetime of a landfill site. With the high investment required in modern landfill sites, every additional cubic meter gained is

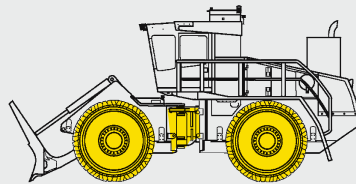
money earned. BOMAG achieves ultimate compaction through a combination of its wheel geometry, scrapers and uniform ground contact. The weight of the machine further enhances compaction results.



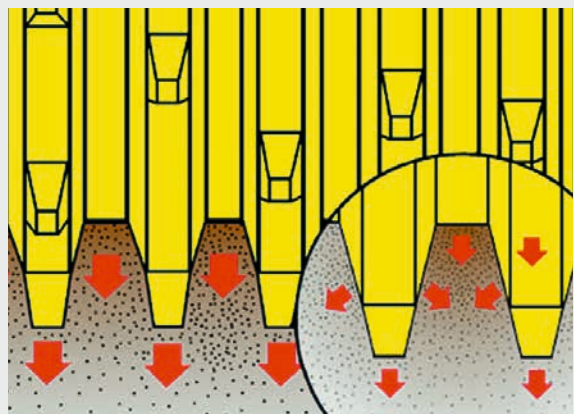
Polygonal disc wheels with teeth for maximum crushing, kneading, depth effect and compaction.



Optimum compaction is achieved by the effect of the oscillating joint, which supplies uniform load distribution to the compactor wheels.



Scrapers ensure clean wheels and guarantee high compaction.



Additional transverse forces add to the compaction effect.

BOMAG DESIGN MAKES THE DIFFERENCE.

Optimum waste crushing and compaction.

BOMAG WHEELS WITH WELD-ON TEETH

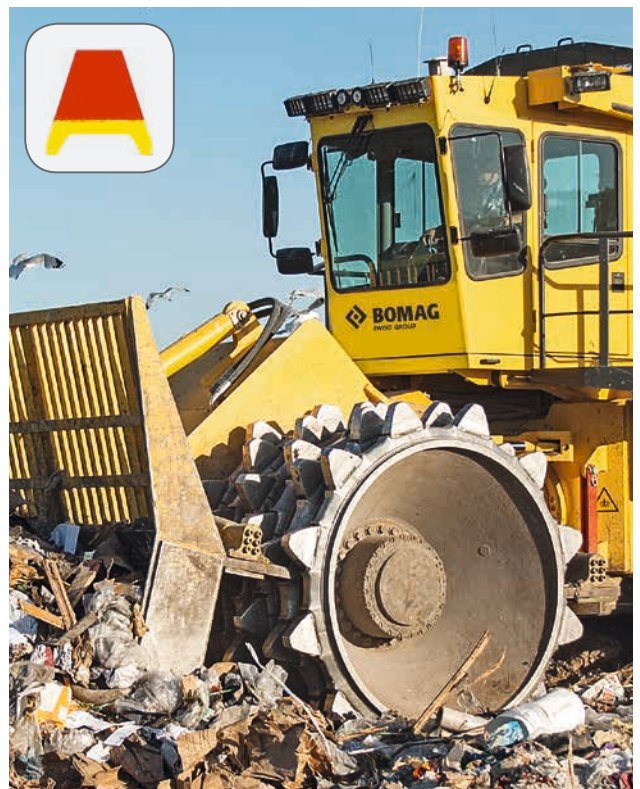
- Welded wheel bodies with inner taper on both sides for optimum stability
- Specially shaped, weld-on and compaction enhancing polygonal compactor segments
- Equipped with high-quality, forged weld-on teeth for optimum crushing and compaction

BOMAG WHEELS EQUIPPED WITH PREMIUM TEETH, WHICH HAVE A WEAR WARRANTY OF 10,000 WORKING HOURS (PRORATED)

- 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 polygonal compactor segments with compaction teeth attached
- Compaction teeth cast from extra high wear-resistant composites, 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 EASE OF HANDLING.

An underestimated factor: an investment in an efficient machine is 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 offers an ergonomic workplace and an extra low sound pressure level. A range of optional extras sim-

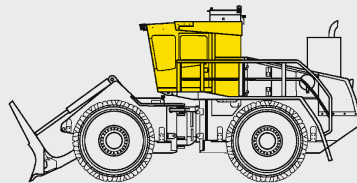
plify the operator's work with machine performance monitoring or increased comfort and convenience.



Cab with large glass areas for a clear view over the work in progress (shown -4).



Ergonomic high-comfort operating environment for extended fatigue-free work (shown -4).



Joystick operation – full control at all times.



With gauges and controls in direct view, the operator is fully informed and in control.

MORE COMFORT AND CONVENIENCE.

HIGH COMFORT CAB

- The comfortable cab meets ROPS and FOPS regulations

CONFIGURATION:

- 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 radio (MP3) incl. aerial and 2 loudspeakers in the cab roof. All are resistant to vibration

AUXILIARY HEATING (AIRTRONIC)*

- Auxiliary heating independent of the engine (air-based) in addition to the existing heating system

*optional



Cab comfort with ROPS and FOPS as standard.



Air conditioning control panel.



Airtronic auxiliary heating.

SAFETY IS PARAMOUNT.

BOMAG never compromises on safety. Even in the standard version, every BOMAG refuse compactor complies with all the safety regulations on everyday landfill work,

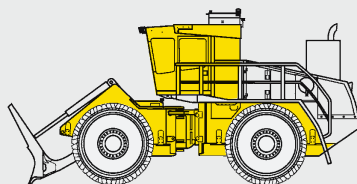
and every compactor can be adapted to any site with a range of options that also meet all safety requirements.



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



Cab design complies with ROPS and FOPS regulations.



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



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

MAKING LIFE EASIER.

ACCESS

Wide, skid-proof steps allow the operator easy and safe access to the 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. BOMAG offers pre-fitting of the cab with this technology, offering the opportunity to install a filter system tailored to local requirements from a specialist supplier.

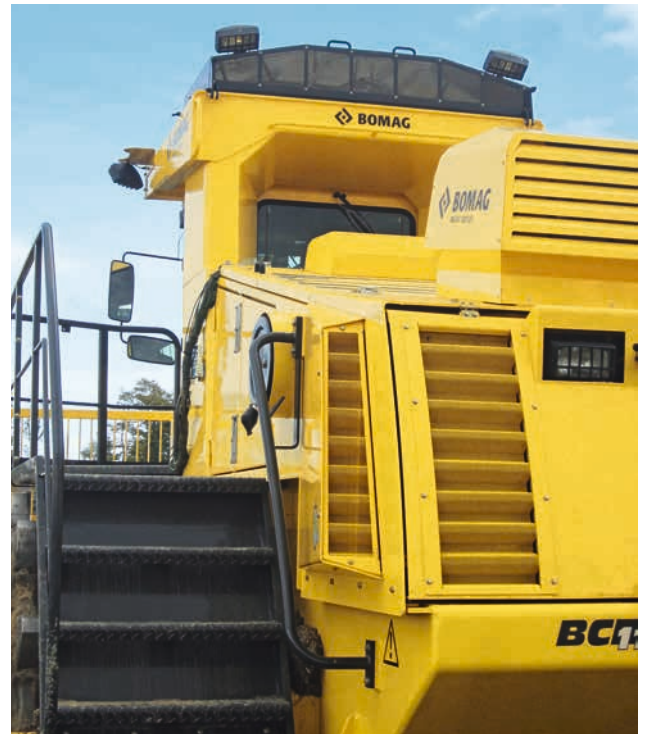
REVERSING CAMERA

The reversing monitoring system consists of a video camera at the rear and a colour display in the operator's cab, and provides an optimum overview of the work area. The screen can easily be removed 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 (shown -4).



An eye to the rear.



Portable fire extinguisher.

EASY SERVICE.

Maintenance costs are unavoidable, but BOMAG always strives to minimise them during the development phase already. Major savings are achieved by arranging components to enable easy access. The options available consid-

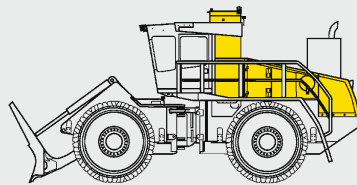
erably reduce cyclic expenses while also reducing running costs, and provide easy maintenance even with the highest site demands.



Large maintenance openings for easy access to the drive components.



Fast access to all points for maintenance.



Optimum access from all sides.



Well-protected control centre in the cab.

SAVING TIME.

■ WORKING PLATFORM

A working platform is located on both sides of the machine providing 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 and features an automatic interval function. The grease container has a sufficient supply for up to 500 operating hours. The function monitoring system guarantees the reliable supply to all lubricating points.

■ WARRANTY EXTENSION AND MAINTENANCE CONTRACTS*

BOMAG Service offers customised service packages to suit individual requirements and allowing fixed operating costs.

*optional



Access (shown -4).



Running smoothly...

■ REVERSIBLE FAN

By reversing the air flow (automatic and manual cycles), dust and coarse particles are blown from both the radiator grid and the air grilles. In addition to increasing operational reliability and the machine's life, the reversible fan also reduces radiator cleaning and lowers fuel consumption by automatically adjusting output to site conditions.



Normal operation.

Reverse operation system BC...-2.

Reserve operation system BC...-4.

RELIABILITY AND DURABILITY.

By using the state-of-the-art proven components from leading suppliers, BOMAG ensures that customers' financial expectations are met or exceeded – not just in the first years, but throughout the entire life cycle of the machine.

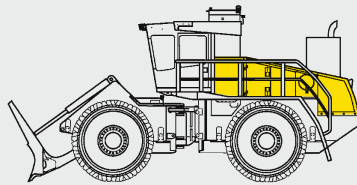
To maintain a high level of efficiency over the long-term, all components are protected by highly effective filtration technology.



Filter system in the hydraulics.



Hydraulic components designed for long-term continuous operation.



Multi-stage fuel filtering system (shown -4).



Electronically monitored hydraulics return flow filter system.

MAINTENANCE, SERVICE AND WARRANTY.

YOU ARE LOOKING FOR:

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 through the use of alternative parts that are not compatible. Only BOMAG Genuine spare parts meet the requirements of your refuse compactor 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 the necessary parts for proper maintenance in one package at attractive prices. It couldn't be easier.

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

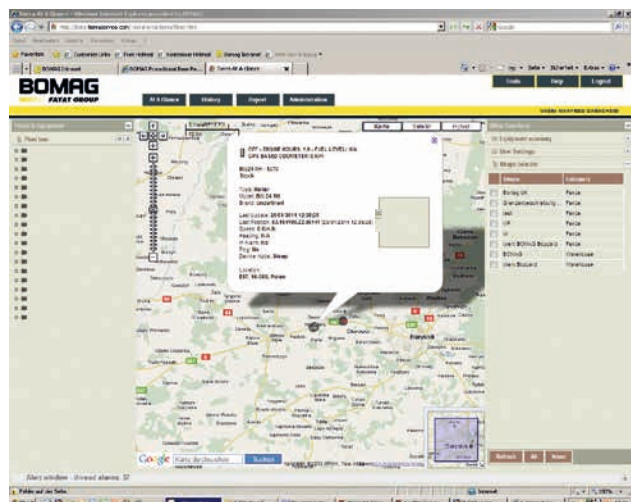


BOMAG TELEMATIC.

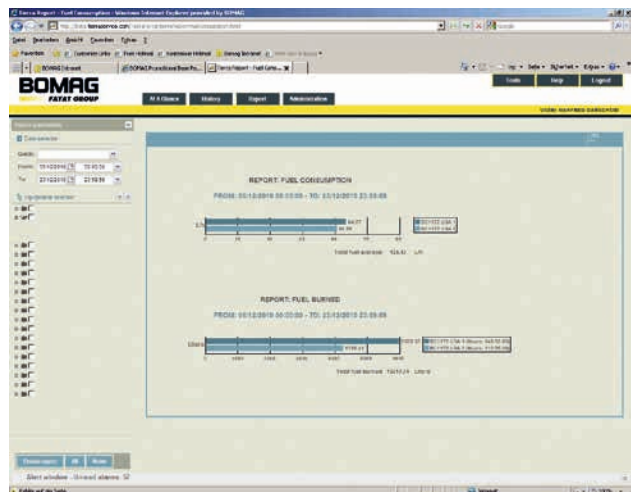
YOUR MACHINE IS JUST A MOUSE CLICK AWAY.

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 triggered if, for example, a machine leaves a defined construction site without authorisation. BOMAG TELEMATIC also allows fuel costs to be allocated in detail, and service work to be planned and documented. All the 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.
- **Flexibility:** BOMAG TELEMATIC is the solution for the entire fleet: machines from other manufacturers can be readily incorporated.



Knowing where machines are at any time.

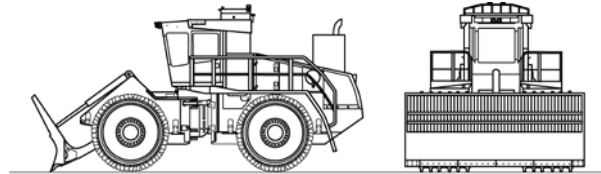


Fuel costs can also be allocated in detail.

BOMAG REFUSE COMPACTORS – SPECIALIST LANDFILL COMPACTORS WITH A CHOICE OF SPECIFICATIONS.

Basic machines

BC 972 RB-2	46,5 t	440 kW (3a)
BC 972 RB-4	48,5 t	430 kW (4/4 final)
BC 972 RB-4L	44,4 t	430 kW (4/4 final)
BC 1172 RB-2	54,5 t	440 kW (3a)
BC 1172 RB-4	55,8 t	430 kW (4/4 final)



Standard

Shifting and distributing

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

Wheels

Ergonomics and ease of 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
- Automatic heating / AC

Reliability and durability

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

Safety

- Windscreen wiper front and rear
- Interval switch for windscreen wiper
- Exterior rear-view mirrors on both sides, heated
- Inside exterior rear-view mirror
- Flashing beacon LED
- LED working lights
- Reversing monitoring

Ease of maintenance and availability

- Maintenance platform both sides
- Central lubrication system
- Reversible fan

Miscellaneous

Optional

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

- Wheels with BOMAG replacement caps
- Premium wheels with warranty

- Auxiliary heating

- Preparation for protective ventilation
- Anti-theft protection

- Extended warranty
- Biodegradable hydraulic oil

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





BOMAG

BOMAG
FAYAT GROUP

BC1172 RB

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