

Refuse Compactor Range

28 t to 55 t

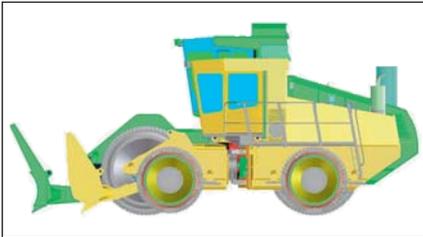


Purpose-designed compaction for modern waste disposal

BOMAG landfill compactors have been developed for the maximisation of site void space.

Today's managed waste disposal sites set the operating and performance standards on which we are judged.

Our purpose built range of compactors embody the results of years of hard earned experience on the toughest waste disposal applications. Experience to deal with a variety of waste types, volumes and disposal methods.



5 weight classes, 2 machine sizes - BOMAG offers the ideal machine for any landfill site, even with the largest input and the most stringent compaction requirements.

Performance to maximise compaction, reduce fire hazard and minimise the presence of vermin.



Safe and effective compaction over the face – and back!

On world waste sites large and small, BOMAG delivers outstanding compaction, operator safety and comfort, environmental

protection, reliability and operational economy.



Blade and bucket models: the perfect landfill partnership.

Service

Faster servicing boots profits

Maintenance and repairs influence the availability and consequently the running costs of your compactor. The BOMAG compactor design concept cuts servicing times compared to conventional formats.

Repairs can be carried out with less effort and more quickly than before.

24 Volt electrics reduces the load on electrical components and makes jump-starting from other vehicles straightforward.

Tooth replacement is quickly accomplished using replaceable BOMAG tooth tips.

Central greasing is a standard cost-cutting feature which ensures proper greasing of all



Easy engine access with wide angle hinged panels.

Fast and easy access to all service points is a hallmark of BOMAG compactor design.

An electronic warning system monitors the performance of key components.

The hydrostatic drive system is practically maintenance free and the change interval for the hydraulic oil is just once every 2,000 hours.

The access to the engine compartment from above and from the sides is quick and easy by means of hinged access doors.

The hydraulic components and the diesel engine are readily accessed through the wide service hatches.

components.

Quality, reliability and low running costs are proven features of the BOMAG range of refuse compactors. Good residual values are another reason for specifying BOMAG.

The elimination of troublesome axles, gearboxes and drive shafts used in conventional compactors means less downtime and less maintenance to worry about. Even major component replacement can normally be carried out quickly and easily on site due to the simple layout and design of BOMAG hydrostatic compactors.



The elastic cab suspension reduces vibration.



The central lubrication system ensures proper greasing throughout the machine.



Electronic filtration control extends service intervals.



Pin on tips for faster refurbishment.

Refuse handling features

A blade designed for hard work

BOMAG fits an extra wide dozer blade for high waste productivity.

The blade and refuse screen construction is designed for heavy duty performance and will cope in moving peak loads quickly and precisely.

BOMAG designed the dozer blade with a robust box-type construction to be able to cope with highest loads, This torsion resistant

design ensures quick and efficient distribution of all kinds of refuse.

The refuse screen which forms part of the blade construction is designed to protect the operator and machine from damage caused by stray waste materials.

The screen also allows large quantities of refuse to be handled with minimum restriction to the operator's forward vision.

The ground engaging components of the blade are made from wear resistant steel for long life and can be readily replaced when required.

The combination of good wheel traction, pushing power and manoeuvrability has established BOMAG compactors with a reputation for high productivity particularly during peak input cycles.



Massive handling capability with wide angle blade.

Created for landfill compaction

BOMAG compactors are equipped with the latest high performance water-cooled turbo diesel engines which are designed to comply with current and future environmental regulations. The rear frame of the compactor features an integrated roll bar which also functions as an air cooling intake for the engine. Located in clean air at a height of 4 metres above site level, this design extends service intervals for radiator and air conditioning. Even in the rare event of a major component failure, downtime is minimised because most problems can be rectified directly on site without the need to return the compactor to the workshop.

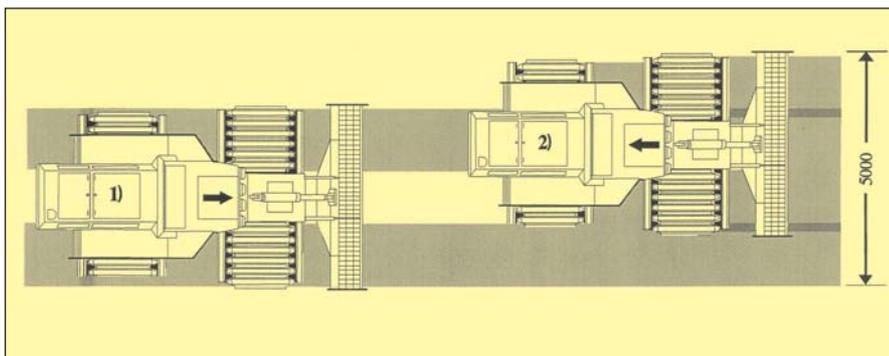
The Wheels

The high ground pressure BOMAG polygonal wheels are offset front and rear for optimum coverage, uniformity of compaction and the ability to seek out and eliminate soft spots.

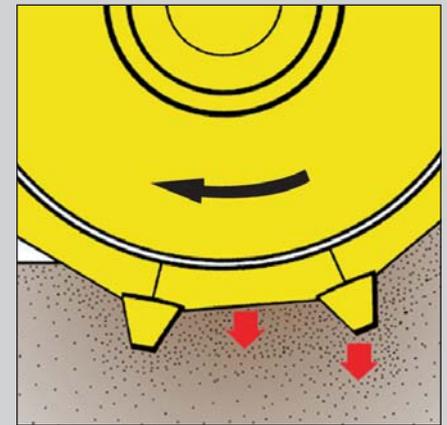
Depending on the size of the machine a compaction width of 5 or 6 metres is achieved after only 2 passes by offsetting the second pass by one wheel width. This high productivity is needed at peak times to preserve compaction performance and cut costs.



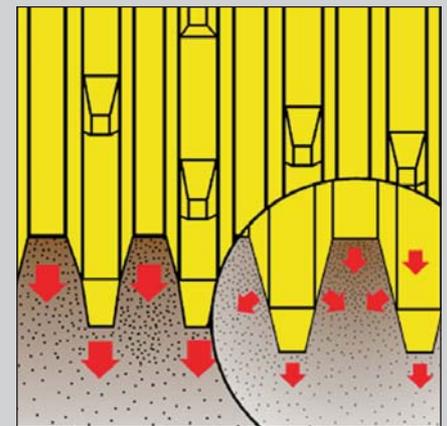
Massive pushing power and mobility for peak volume periods.



Good coverage and high ground pressures eliminate soft spots.



Polygonal wheel design for better compaction across a range of waste types.



BOMAG polygonal wheels for added penetration and traction performance.



Fuel efficient water-cooled turbo diesel engine.



Exclusive to BOMAG! Extended service intervals with 4 metre high air intake.

Unique 500 hour air filter change intervals with intake 4 metres from site surface.

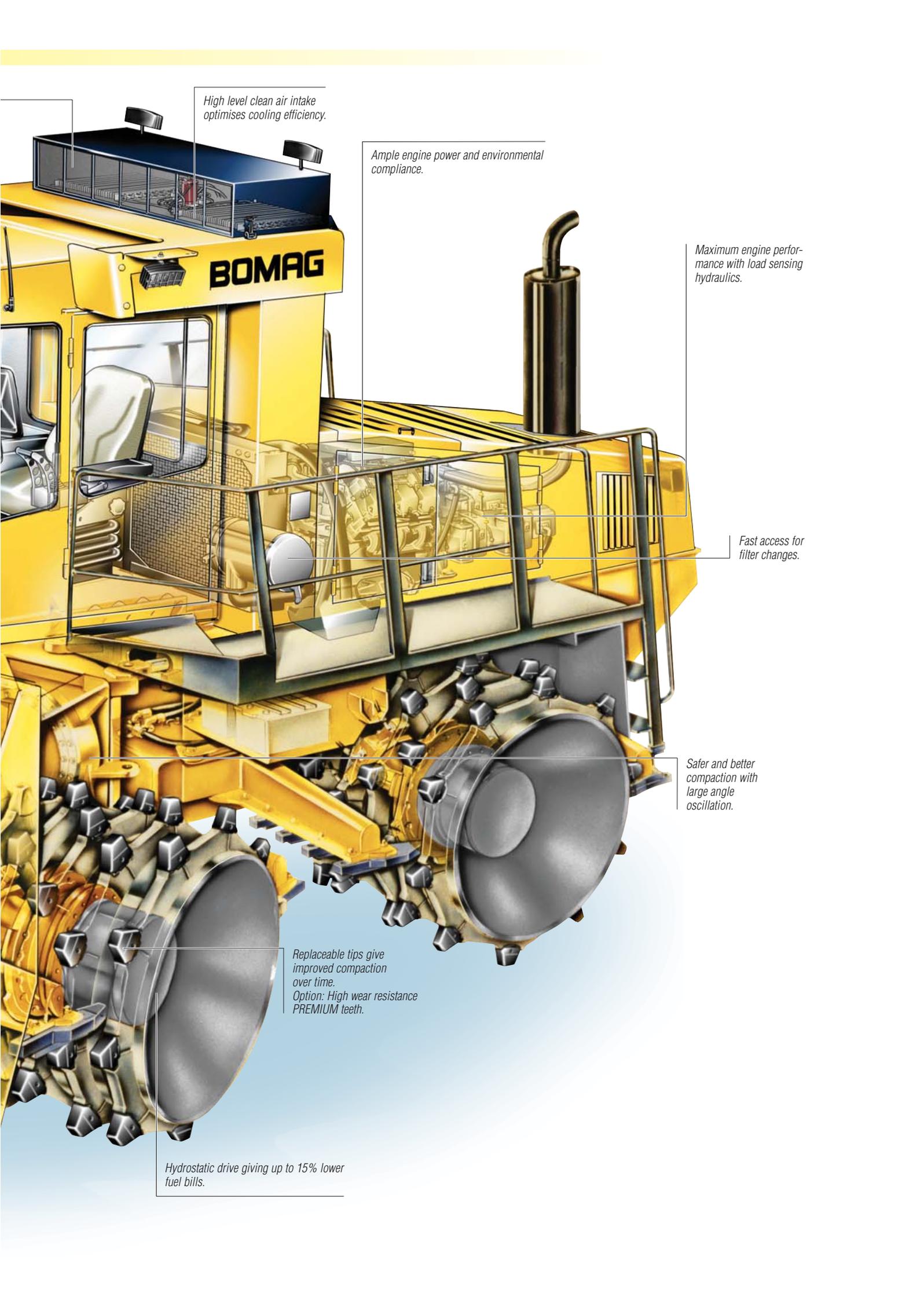
Easy operation with fingertip controls and steering, air cushioned seat and adjustable joystick steering.

Blade screen protects operator and compactor.

Heavy duty, long life, fast response dozer blade.

Reversible blade edges save operating costs.





High level clean air intake optimises cooling efficiency.

Ample engine power and environmental compliance.

Maximum engine performance with load sensing hydraulics.

Fast access for filter changes.

Safer and better compaction with large angle oscillation.

Replaceable tips give improved compaction over time.
Option: High wear resistance PREMIUM teeth.

Hydrostatic drive giving up to 15% lower fuel bills.

Compaction by the world's foremost Specialist

The BOMAG wheel and its advantages

Compaction influences site life but weight alone is no guarantee of the best results. Wheel and scraper design play a decisive role in obtaining the best compaction for a given weight of compactor.

- The renowned BOMAG polygonal wheel design, with interchangeable tooth option, provides better demolition and grinding effects across a wide range of different waste material types and the deep Vee feature gives unrivalled climbing performance under severe conditions.
- In order to achieve the maximum compaction effect of the wheels throughout the lifetime of the refuse compactor, the wear caused by the naturally abrasive nature of the application must be minimised. With BOMAG you have the possibility to choose between forged teeth as standard and the high wear resistance PREMIUM teeth for longer life in arduous conditions. Under normal conditions on household refuse a lifetime of at least 10.000 operating hours can be guaranteed with the PREMIUM teeth.

- On the 28 to 37 tonnes range the standard forged teeth are interchangeable pin-on design caps. The standard forged teeth on larger BOMAG refuse compactors (45 to 55 t) and all PREMIUM teeth are weld-on, but can also easily be replaced.
- The full efficiency of the BOMAG wheel system is achieved by the use of scrapers. Each wheel is fitted with two scraper support bars welded to the frame. The solid, adjustable scrapers are positioned between the polygonal discs and effectively prevent

any blockage of the compactor wheel. The effectiveness of the wheel is thereby maintained, even under extreme conditions.

First choice for profitable site operation

Efficient dozing capability and high mobility are essential features in landfill compaction. For superior results under tough conditions BOMAG uses hydrostatic transmission to four independent motors to ensure optimum traction under differing wheel load conditions.

Speed and power apportionment is optimised automatically to enhance operator and machine performance whilst cutting fuel costs – a significant factor in site profitability today.



BOMAG **PREMIUM** composite cast teeth have a guaranteed lifetime of at least 10.000 operating hours.



Adjustable scrapers and interchangeable caps from BOMAG maintain maximum compaction performance throughout the entire life of the machine.

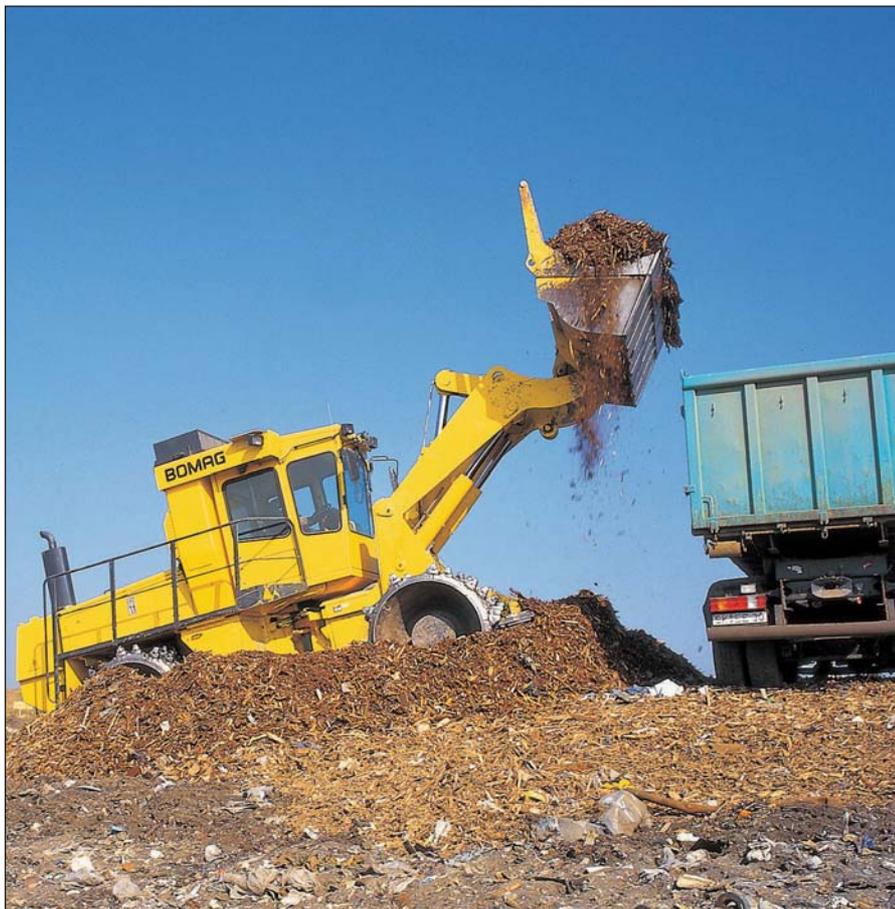
Site operations optimised

Bucket option for increased versatility

On many sites, the use of refuse compactors with bucket options is required. Bucket type compactors are extremely flexible and can replace wheel loaders in many situations. The bucket transforms the compactor into a multi-purpose machine and provides additional capability compared to the standard blade only models.

The ultra low centre of gravity which is a feature of all BOMAG models gives safe, high-traction performance over the tip face.

The high capacity bucket is designed to move waste materials and cover quickly and efficiently. The bucket is standard equipped with cutting edge and can be supplied with double edged bucket teeth.



BOMAG bucket models provide extra versatility.

The bucket models retain good distribution and smoothing capabilities with the addition of additional loading and transporting features.

BOMAG bucket models are ruggedly designed for long life on heavy duty applications typically associated with landfill site work.

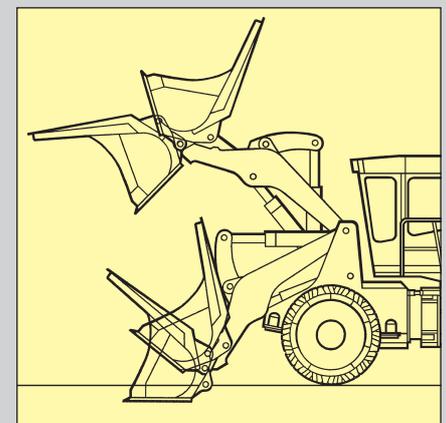
The multi-purpose BOMAG bucket range offers the potential for single machine site operation with dozing, loading and distribution capabilities in one high performance compactor.



Blade screen with waste retaining edge features.



High capacity bucket with teeth.



Digging and loading cycles designed for landfill work.



Reversible wear edges save operating costs.

Safety comes first!

BOMAG technology reduces risk

BOMAG offers a range of high performance compactors where safe site operation is foremost. To allow the compactor to manoeuvre safely in severe conditions, BOMAG compactors feature extremely high stability through low centre of gravity.

Extra safety is guaranteed through the SAE standard ROPS/FOPS system.

Four independent high performance brakes further advance the safety standards of these compactors.

Parking and emergency braking systems automatically over-ride the transmission function.

Change of direction and speed does not reduce power braking performance.



Long experience and latest technology ensure that severe applications and extreme gradients are easily overcome by the highly efficient traction system.

Easy handling with ultimate operator comfort

Making operation and servicing easy

Under the sometimes severe operating environment of landfill the needs of the compactor driver receive special focus. In particular the design of the operator cab is of critical importance.

The cab is suspended on rubber mountings and the driver's seat is pneumatically suspended. This considerably reduces any vibrations and shocks for the driver when driving over refuse.

The seat with integrated armrests is ergonomically contoured for maximum comfort over long working hours and is positioned to give a clear unrestricted all round view.

All controls are ergonomically arranged and are within easy reach of the operator. The integrated heating and air conditioning system with digital temperature control ensures an ideal operating environment within the spacious cabin.

The activated charcoal filter improves the air quality inside the cabin considerably. The electronic joystick steering enables convenient and safe steering of the refuse compactor with minimum effort.

The in-cab noise levels are lower than those demanded by current regulations.

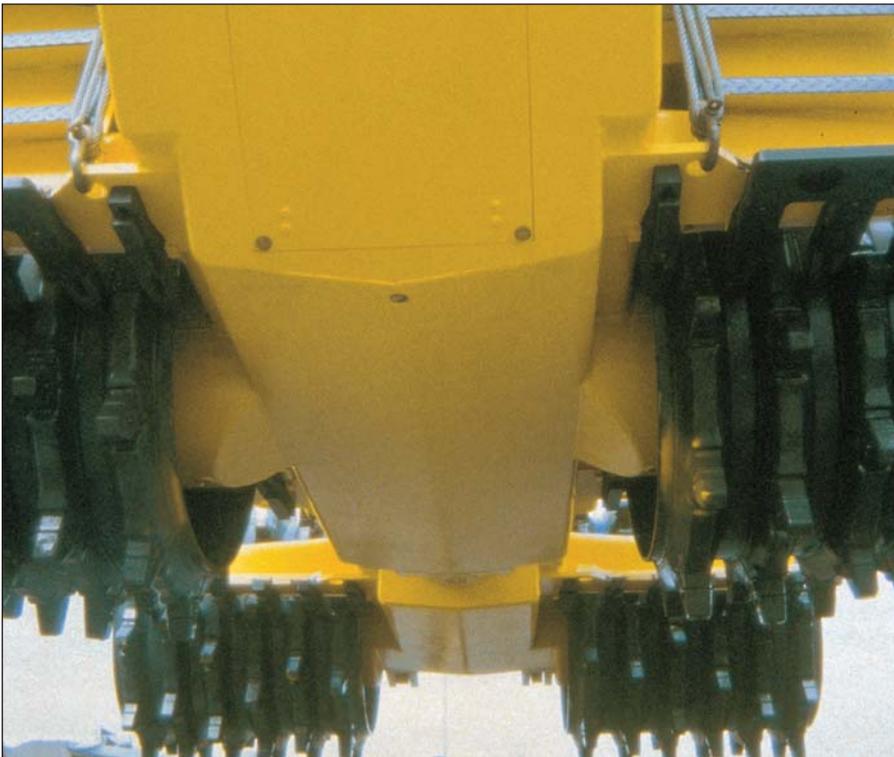


Ergonomical arrangement of all operating elements.

Created for landfill compaction

The design which sets the pace!

Operation on landfill sites has its own very specific requirements. Decades of experience gained in the construction of refuse compactors becomes apparent in the many features incorporated in the BOMAG range. When the site conditions are demanding special solutions are needed. Whether you choose the standard or the large range of machines, you will always have the special advantages of BOMAG refuse compactors.



Enclosed frame: no belly plates, no fire risk, no dirt ingress.

For example, the compactor box frame is fully sealed. No dust or waste can enter the machine to cause fire hazard or operating problems as is often the case with conventional compactor designs. In addition, the drive components housed within the compactor frame are totally protected from damage or wear having no contact with waste, dust or dirt.

Exclusive: oscillation and articulation

The front and rear halves of the compactors are connected by a massive oscillating and articulating joint specially developed for the toughest landfill applications.

With oscillation up to 30 degrees, wheel pressure on the waste is maintained and maximised without stress to the frame.

This feature contributes to safe and outstanding climbing performance on the tip face. BOMAG compactors are renowned for their traction performance under severe conditions.

The drive motors

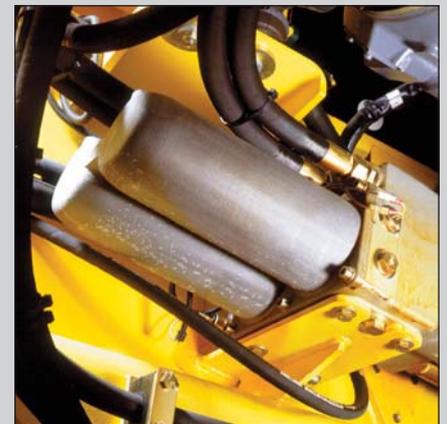
The hydrostatic drive system uses four independent circuits and delivers higher operating efficiency and torque to the wheel motors. The automatic power control system ensures that optimum power is available for travel and pushing functions. These systems produce outstanding performance and handling at peak volume times.



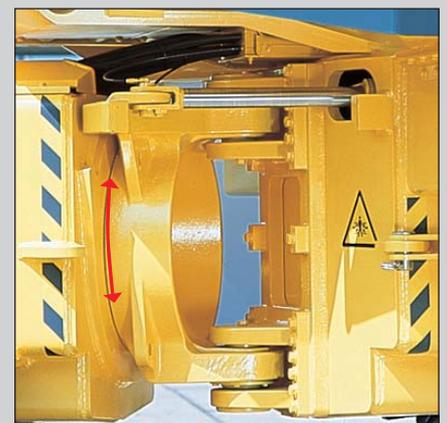
Full protection to planetary motors for sustained reliability.



Wire cutters prevent build up around inner wheels.



Extra protection with hydraulic circuit return filtration.



Exclusive 30 degree oscillation for extra safety and compaction performance.

Check them out...

The Key Features

- More performance with powerful hydrostatic transmission using four independent wheel drives. Ensures speed and dozing demands are optimised
- Polygonal wheels for best compaction using vertical and horizontal pressures giving high performance on a wide range of waste types.
- Faster refurbishment with BOMAG pin on teeth. Less downtime needed for tip changes.
- Keep wheels clean and compaction effective with front and rear wheel scrapers especially where clay cover is in use.
- Sealed frame keeps out dirt and dust for a clean wheel motor service environment.
- Air intake located 4 metres above ground level plus extra fine filtration unit extends service intervals and protects components. Pressurised engine compartment prevents dust entry.
- Soft spots are eliminated and stability improved with 30-degree centre oscillation. Wheels are able to follow surface irregularities for superior compaction results.
- Low centre of gravity, massive ROPS design, integrated maintenance-free wheel motor brakes for safe operation around site.
- Latest components chosen for reliability and longer service intervals aimed at reducing running costs to the minimum.
- Cost saving optimisation of fuel-efficient engine and hydrostatic transmission designed to cut operating costs to the bone.



A host of control modules offers complete information on the machine.

BOMAG provides local service and support no matter where your next contract is located.

As world market leader in compaction equipment, we offer you the widest range of products backed by expert support and advice aimed at keeping your operation profitable.

Modern manufacturing plants in Germany, USA and China together with licencees and partners around the world supply BOMAG rollers to global markets.

Regional customer care is centred on six branches in Germany, eight subsidiaries in Austria, Canada, China, France, Great Britain, Italy, Japan and USA, one sales office in Singapore and over 500 independent BOMAG dealers.

BOMAG Service. Everywhere and for every need. Our branches and dealers are backed by BOMAG's Central Parts warehouse where about 40,000 parts are held against customer requirements. You expect top service from BOMAG. We aim to provide it.

Quality! For the paint finish of the machine BOMAG as far as possible uses a high quality environmentally friendly powder coating, which excels by its excellent resistance against corrosion, scratching and ultraviolet light.

BOMAG. The world's foremost compaction company.

The machines illustrated may show optional equipment which can be supplied at additional cost. Specifications may change without notice.

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