

BOMAG refuse compactor – compaction technology for the toughest sites.

At the outset, the goal was to design specialist refuse compactors for today's landfill sites with no derivation from other construction machinery. The unique result is a range of compactors at home on any landfill site, with the latest technology, high productivity, low operating costs and ease of maintenance.





The formula for success.

The basis for landfill site profitability is optimum utilisation of capacity which means the best possible compaction of all waste materials. BOMAG refuse compactors achieve this requirement because they have been specifically designed to work under the extreme conditions found on landfill sites:

- ◆ **Efficiency:** low fuel consumption means low operating costs
- ◆ **Power:** modern, high output diesel engines provide ample power for all conditions
- ◆ **Cost-efficiency:** intelligent design produces cost-effective compaction with minimum maintenance work
- ◆ **Ergonomy:** easy access to important service points on a daily basis or for scheduled maintenance
- ◆ **Versatility:** market-oriented models can be used on a variety of sites
- ◆ **Value retention:** durable technology and the highest manufacturing quality ensure high resale values
- ◆ **Security:** warranty extensions and maintenance contracts are available to suit your needs



Exhaust level 3a / Tier 3 BC 572/672/772.



Deutz TCD 2015 V6 (BC 672/772).

- ◆ 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 allow to adapt and reverse the air flow for high efficiency and long maintenance intervals.
- ◆ No additional operating materials



Easy access.



A global reach – Skyline Hongkong.



Exhaust level 4/4 final BC 672/772.

- ◆ This well designed and powerful turbo diesel engine uses newest technology to provide power for all site situations, with low fuel consumption rates
- ◆ Intercooler
- ◆ High pressure direct fuel injection
- ◆ Up to date technology in well known quality
- ◆ Global distribution and service
- ◆ 10-15% less fuel consumption
- ◆ Lower operation costs
- ◆ Low vibration 6-cylinder in line engine
- ◆ Temperature governed cooling system with speed regulated and reversible fan for highest efficiency and long maintenance intervals

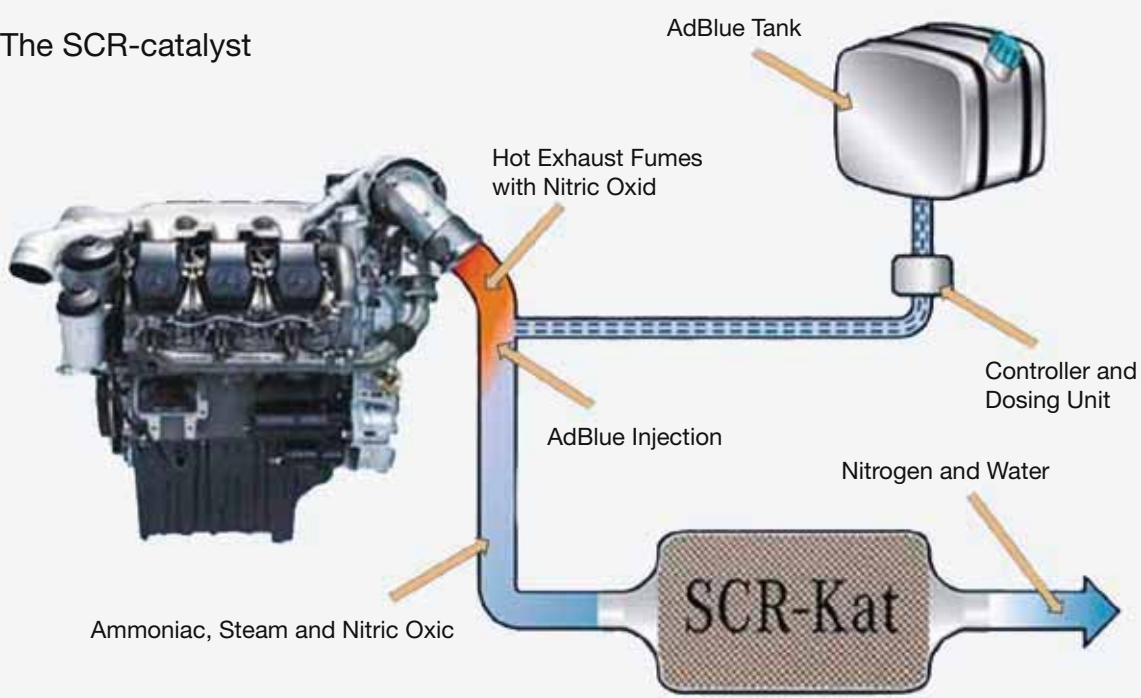


Compact exhaust after treatment.



Engine installation.

The SCR-catalyst



Exhaust after-treatment system.

Sustainability.

As market leader in compaction technology, BOMAG is highly focused all factors affecting sustainability. This includes efficient handling of natural resources during manufacturing and during their use on site. In support of this concept BOMAG puts sustainability into practice in the design and manufacture of its refuse compactor product range.

Recyclable materials

In the refuse compactor market it is important to present sustainability positively and properly supported with facts for the tendering process. BOMAG selects raw materials with the highest recycling potential – BOMAG refuse compactors are over 92% recyclable.

Renewable resources, biological fuels and lubricants

BOMAG offers options of engine types on refuse compactors including models suitable for use with bio-diesel. BOMAG also uses biological fuels and lubricants, such as hydraulic oil.



**Effective drive technology**

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

Low emissions

BOMAG has long, practical experience with efficient systems through adopting emissions regulations early on. The intelligent BOMAG cooling system combined with the latest engine technology brings tangible benefits to users. All BOMAG refuse com-

pactors are equipped with engines which comply with exhaust regulations. BOMAG continues to meet the challenges of modern day environmental protection whilst delivering impressive, powerful and efficient technology.

Reduced pollution for the operator and environment

The outstanding cooling system allows BOMAG refuse compactors to work extremely quietly, providing the operator and surrounding area with a good working environment. Pollution caused by dust and gas is kept to a minimum by the cab filter system.



Shifting and distributing refuse.

The basis for good compaction is the distribution of refuse into suitable layer thicknesses. For even distribution the operator requires precision machinery, high thrust forces and high traction. All standard with BOMAG refuse compactors!

The joystick is easy and stress free which means good precision when working long shifts. The smooth hydrostatic drive converts the power of the water-cooled turbo diesel engine into high output power. The load limit control smoothly

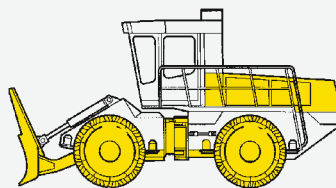
adjusts the travel speed automatically to the load for optimum utilisation of the power available. The unique feature is the oscillating articulated joint which is designed to withstand the toughest loads and stresses of landfill site operation. The joint allows 15° oscillation and 40° steering to either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



High traction with the oscillating articulated joint (continuous ground contact).



Hydraulic wheel drive with „load limit control“ (load-related speed control).



High pushing power with the dozer blade range optimised for every application.



Clean wheels with effective scrapers (optimum compaction).



All round performance.

In the 29 t to 37 t class, BOMAG offers three models with dozer blades (RB) and the 37 t version with loading bucket (RS).

Dozer blades

- ◆ Large dozer blade with grid attachment for a good all-round overview
- ◆ Fenders attached on both sides for optimum refuse shifting performance
- ◆ Three rotatable cutting blades and two edge cutters made of wear-resistant steel

PS 3 Bucket for RB

- ◆ Bucket with grid attachment for good visibility
- ◆ For waste handling and transport jobs

RS version with hydraulic lifting gear

- ◆ For universal use (transportation, handling and loading)

Bucket for RS versions

- ◆ Robust bucket with grid attachment for good visibility
- ◆ Available with a cutting edge or bucket with three-part teeth in quick change holders*



RB version with semi-U-blade.



PS 3 bucket functionality.

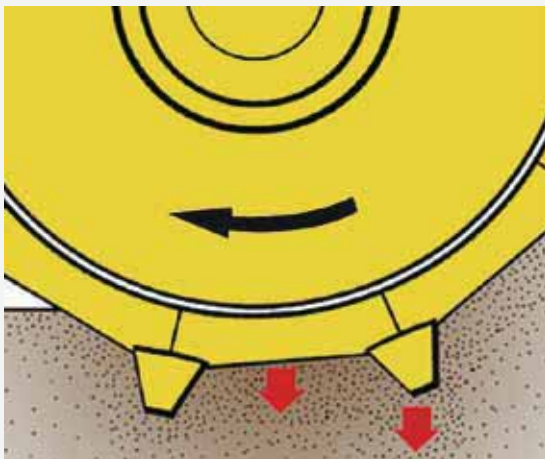


BC 772 RS in use.

Compaction.

If material is evenly distributed the best compaction possible can be achieved – BOMAG's core competence. Compaction significantly affects the life of any landfill site. With the high investments

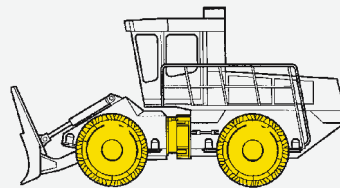
involved in landfill sites every additional m³ filled is money earned. BOMAG achieves optimum compaction with its wheel geometry, scraper beams and stable ground contact.



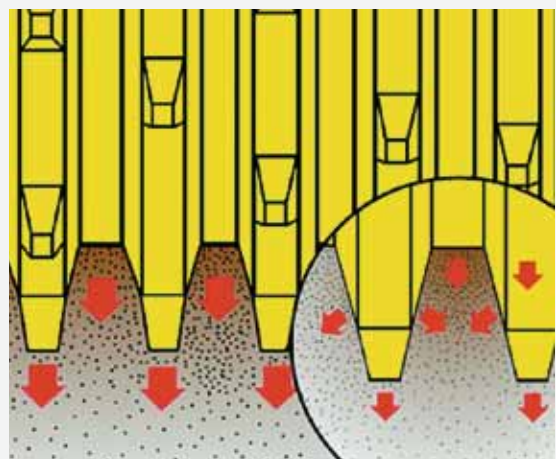
Polygon disc wheels with compressor teeth for crushing, kneading and effective compaction at depth.



Optimum compaction with the oscillating joint, providing good load distribution to the compaction wheels.



Scrapers guarantee clean wheels and high compaction.



Additional lateral forces increase compaction.



The right tooth makes the difference.

BOMAG offers wheels with replacement caps or with premium teeth for outstanding crushing and compaction.

BOMAG wheels with replacement caps

- ◆ Welded wheel bodies with inner taper on both sides for optimum stability
- ◆ Specially shaped polygon compaction segments with attached replacement cap holders welded on to assist compaction
- ◆ Equipped with high quality, forged replacement caps for optimum refuse crushing and compaction
- ◆ Precision mounting ensures the caps fit tightly and securely
- ◆ Caps can be changed easily and quickly by ejecting the dowel pins
- ◆ Optimised ejector tool available



Adjustable scraper for uninterrupted operations.



High quality, forged quick-change replacement caps.

BOMAG wheels with premium teeth and 10,000 hour wear warranty

- ◆ Welded wheel bodies with inner taper on both sides for optimum stability
- ◆ Armouring welded to the wheel edges for extended service life in combination with the cable cutters
- ◆ Specially shaped polygon compaction segments with attached compaction teeth are welded to assist compaction
- ◆ Compaction teeth made of high wear-resistant cast composite; that is, two materials cast in sequence for longer service life



Welded wheel bodies with inner taper on both sides for optimum stability.



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

Ergonomics and ease of operation.

An underestimated factor: why invest in an efficient machine if the operator is unable to achieve the best results after a few hours due to fatigue?

BOMAG prevents driver fatigue with a flexibly mounted cab, an ergonomically designed workplace and low sound pressure level. There are

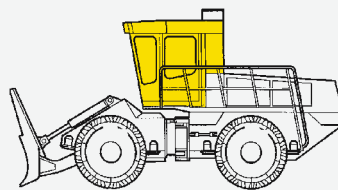
optional extras available to make it easier for the operator to monitor the machine or for increased comfort and convenience.



Cab with large windscreens to ensure the best overview of the working environment.



The ergonomically designed, comfortable workplace for fatigue-free work.



Joystick control – the compactor stays under complete control with ease.



All important information arranged in the field of vision ensuring the operator stays up-to-date.



More comfort and convenience.

High comfort cab

- ◆ The comfortable cab meets ROPS and FOPS regulations

Configuration:

- ◆ Heating/air conditioning system
- ◆ Work lights
- ◆ Two large exterior rear-view mirrors
- ◆ Large storage spaces
- ◆ Safety glass
- ◆ Windscreen wiper with washer system

Air-cushioned operator's seat

- ◆ Ergonomically shaped, comfortable heated seat with pneumatic suspension. APS (Automatic Positioning System) always ensures the best position to access the operating controls

Auxiliary heating (Airtronic)*

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

* Optional



Cab comfort with ROPS and FOPS as standard.



The workplace.



Air conditioning control panel.



Airtronic auxiliary heating.

Safety is standard.

For BOMAG safety has no room for compromise. In the standard versions BOMAG refuse compactors meet all safety-related requirements for everyday use on landfill sites. Also every compactor can be

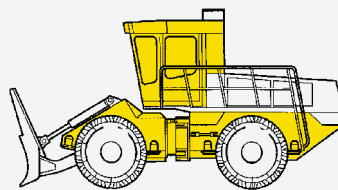
adapted to any job with a range of options. These compactors can be configured for all site requirements.



Frame with enclosed sections for best possible protection of all components and no ingress of material; no danger of ignition on hot components.



Cab design complies with ROPS and FOPS regulations.



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



Large mirrors on both sides combined with large glass areas for excellent all-round visibility.



Making working life easier.

Service platform

Convenient, wide, non-slip access steps provide safe access to the workplace with the hand rail.

Preliminary fitting of protective ventilation system

The high concentration of dust on landfill sites makes work more demanding. Pollution hazards for the operator can often only be reduced with special filter technology. Here BOMAG offers pre-fitting of the cab to install this technology. This allows the opportunity to set up a filter system using your specialist supplier tailored to your requirements.

Reversing camera*

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

Fire extinguisher*

Hand fire extinguisher with 6 kg content. This fire safeguard always on board.

* Optional



Access to the workplace.



Eyes to the rear.



Hand held fire extinguisher.

Easy Service.

Maintenance does incur costs so BOMAG's development aim is always to keep costs to a minimum for maintenance work. Major improvements have been achieved by arranging component layouts to

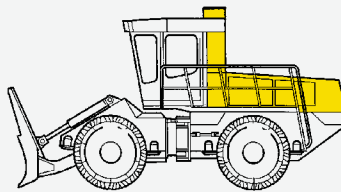
good effect and combining this with high accessibility. Machine options also reduce scheduled expenses, cut running costs, and provide easy maintenance needed for heavy site work.



High level suction for cooling and combustion air with minimum dust levels.



Fast access to maintenance points.



Access from all sides.



Well protected control centre in the cab.



Saves time.

◆ Service platform

The service platforms are on both sides of the machine to facilitate access to the maintenance areas and are a valuable aid to fast and safe maintenance work.

◆ Central lubrication system

A central lubrication system supplies nearly all mechanical bearing points. The lubricant container with agitator allows lubricant to be conveyed free of air. Automatic interval function. The capacity of the grease container enables a sufficient supply for up to 500 operating hours. A malfunction alarm guarantees safe supply to lubricating points.

◆ Reversible fan (optional for -2)*

By reversing the air flow (automatic cycles and manual), dust and coarse particles are blown from both the radiator grid and the air grilles. The reversible fan increases operational reliability and the life of the machine, reduces radiator cleaning and lowers fuel consumption by automatically adjusting output to site conditions. A hood is also included to optimise air flow.



The service platform gives access to the maintenance area.

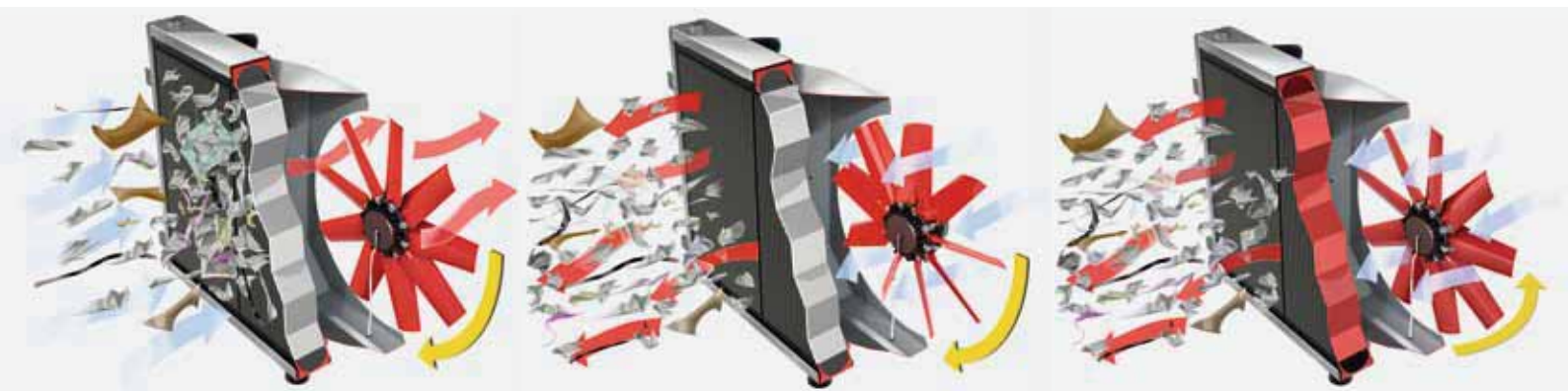


Running smoothly...

◆ Warranty extension and maintenance contracts*

BOMAG Service will customise available packages to suit individual requirements to fix long term operating costs. Customers are protected from unpredicted costs for true added value.

*optional



Normal operation.

Reverse operation system BC...-2* (*option).

Reserve operation system BC...-4.

Cutting cost and durability.

By using the latest, well designed components from reputable suppliers, BOMAG ensures that the financial goals of customers are met, not just

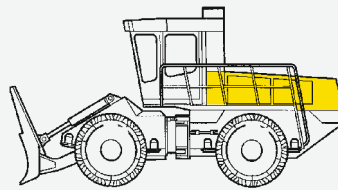
in the first few years, but throughout the life cycle of the machine. To maintain high efficiency in the long-term all components are protected by highly effective filter technology.



Discharge side of the hydraulic filter system.



Hydraulics designed for continuous long term operation.



Electronic monitoring of hydraulics return filter system.



Multi-stage fuel filtering.

Maintenance, service and warranty.

You want:

A high availability and long life for your investment with minimum operating costs.

Our solution:

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

- ◆ Avoid expensive consequential damage by alternative parts sourcing. Only BOMAG original spare parts meet your refuse compactor requirements for quality and functionality.
- ◆ BOMAG cooling agents and lubricants meet the high requirements of our machine components and maximise maintenance cycles and component service life.

- ◆ BOMAG service kits contain all parts needed for professional maintenance in one package at attractive prices. It could not be easier.

You can rely on BOMAG for service and spare parts and in so doing avoid unwelcome operating surprises.

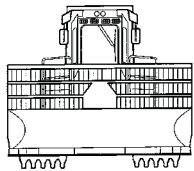
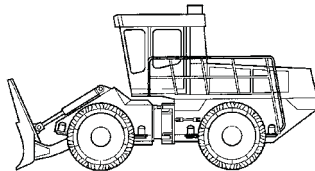




BOMAG refuse compactors – high versatility with a wide choice of optional equipment.

Basic machine

BC 572 RB-2 28,6 t, 227 kW
 BC 672 RB-2 32,1 t, 330 kW
 BC 672 RB-4 32,6 t, 340 kW (4/4final)
 BC 772 RB-2 36,5 t, 330 kW
 BC 772 RB-4 37 t, 340 kW (4/4final)
 BC 772 RS-2 37,3 t, 330 kW
 BC 772 RS-4 37,8 t, 340 kW (4/4final)



Standard

Optional

Shifting and distributing

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

- Dozer blade 3.8 m
- Dozer blade open, 4.3 m (not for BC 572 RB-2)
- Semi U-blade, 3.75 m
- Semi U-blade, 4.45 m
- Bucket, 1,5m³ (not for BC 572 RB-2)
- Tooth system for bucket, 4,5 m³
- Tarpomatic pre-fitting

Wheels

- Wheels with BOMAG replacement caps
- Premium wheels with warranty

Ergonomics and ease of operation

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

- Auxiliary heating

Cost-effectiveness and durability

- Hydraulic filter system with wear monitoring
- Electronic monitoring module with engine stop
- 3 stage fuel filter

- BOMAG TELEMATIC Power
- Cyclone pre-filter for the engine (only BC 672/772 RB-2)

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

- Reversing monitor
- Tachograph
- Protective ventilation pre-fitting
- Cyclone pre-filter for the cabin (only BC 672/772 RB-2)
- Anti-theft protection

Ease of maintenance and availability

- Maintenance platform both sides
- Central lubrication system

- Warranty extension
- Reversible fan (-2)

Miscellaneous

- Customised one colour paint, not incl. cab
- Customised two colour paint, not incl. cab
- Customised paint for cab
- Multi-coloured paint
- Bio/hydraulic oil

BOMAG TELEMATIC.*

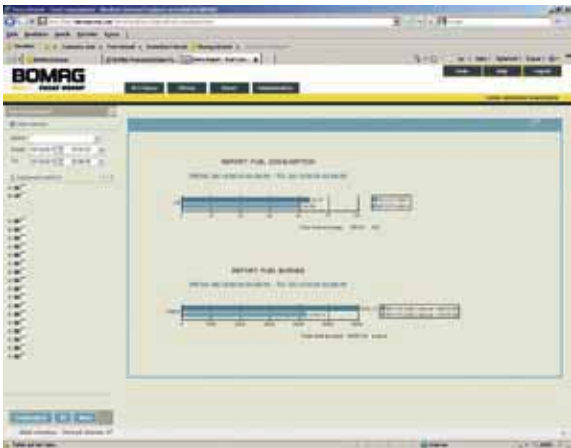
Your machine is just a mouse click away.

BOMAG also supports customers 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 will monitor and manage the entire fleet. Customers know at all times where the machines are, how they are being used and when the next service is due. Alarms are automatically generated; for example, when a machine leaves a defined construction site at an unscheduled time. BOMAG TELEMATIC also allows fuel costs to be allocated in detail and servicing work to be planned and documented. All of 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.



Know where machines are at all times.



Fuel costs can be allocated in detail.

*optional

Head Office / Hauptsitz:
BOMAG
Hellerwald
56154 Boppard
GERMANY
Tel. +49 6742 100-0
Fax +49 6742 3090
info@bomag.com

BOMAG Maschinen-
handels-gesellschaft m.b.H.
Porschestraße 9
1230 Wien
AUSTRIA
Tel. +43 1 69040-0
Fax +43 1 69040-20
austria@bomag.com

BOMAG MARINI EQUIPAMENTOS LTDA.
Rua Comendador Clemente Cifali, 530
Distrito Industrial Ritter
Cachoeirinha – RS
BRAZIL
ZIP code 94935-225
Tel. +55 51 2125-6677
Fax +55 51 3470-6220
brasil@bomag.com

BOMAG (CANADA), INC.
3455 Semenyk Court
Mississauga, Ontario L5C 4P9
CANADA
Tel. +1 905 361 9961
Fax +1 905 361 9962
canada@bomag.com

BOMAG (CHINA)
Compaction Machinery Co. Ltd.
No. 2808 West Huancheng Road
Shanghai Comprehensive
Industrial Zone (Fengxian)
Shanghai 201401
CHINA
Tel. +86 21 33655566
Fax +86 21 33655508
china@bomag.com

BOMA Equipment
Hong Kong LTD
Room 1003, 10/F Cham Centre
700, Castle Peak Road
Kowloon
HONG KONG
Tel. +852 2721 6363
Fax +852 2721 3212
bomahk@bomag.com

BOMAG France S.A.S.
2, avenue du Général de Gaulle
91170 Viry-Châtillon
FRANCE
Tel. +33 1 69578600
Fax +33 1 69962660
france@bomag.com

BOMAG (GREAT BRITAIN), LTD.
Sheldon Way
Larkfield, Aylesford
Kent ME20 6SE
GREAT BRITAIN
Tel. +44 1622 716611
Fax +44 1622 710233
gb@bomag.com

BOMAG Italia Srl.
Via Roma 50
48011 Alfonsine
ITALY
Tel. +39 0544 864235
Fax +39 0544-864367
italy@bomag.com

FAYAT BOMAG Polska Sp. z o.o.
Ul. Szyszkowa 52
02-285 Warszawa
POLAND
Tel. +48 22 482 04 00
Fax +48 22 482 04 01
poland@bomag.com

FAYAT BOMAG RUS OOO
141400, RF, Moscow region
Khimki, Klayazma block, h. 1-g
RUSSIA
Tel. +7 (495) 287 92 90
Fax +7 (495) 287 92 91
russia@bomag.com

BOMAG GmbH
300 Beach Road
The Concourse, #18-06
Singapore 199555
SINGAPORE
Tel. +65 6 294 1277
Fax +65 6 294 1377
singapore@bomag.com

BOMAG Americas, Inc.
2000 Kentville Road
Kewanee, Illinois 61443
U.S.A.
Tel. +1 309 8533571
Fax +1 309 8520350
usa@bomag.com