

Road paver BF 691/BF 691 C

18 t to 19 t





The perfect team: BOMAG paver and BOMAG roller with ASPHALT MANAGER.



Unobstructed view to front wheels, screed board and hopper with the adjustable SideView System®.



Automatic screed board relief L.C.S.®, screed heating and tamper/vibration setting.



Lockable metal lateral control stands, individually exchangeable controls.

Road paver BF 691 and BF 691 C

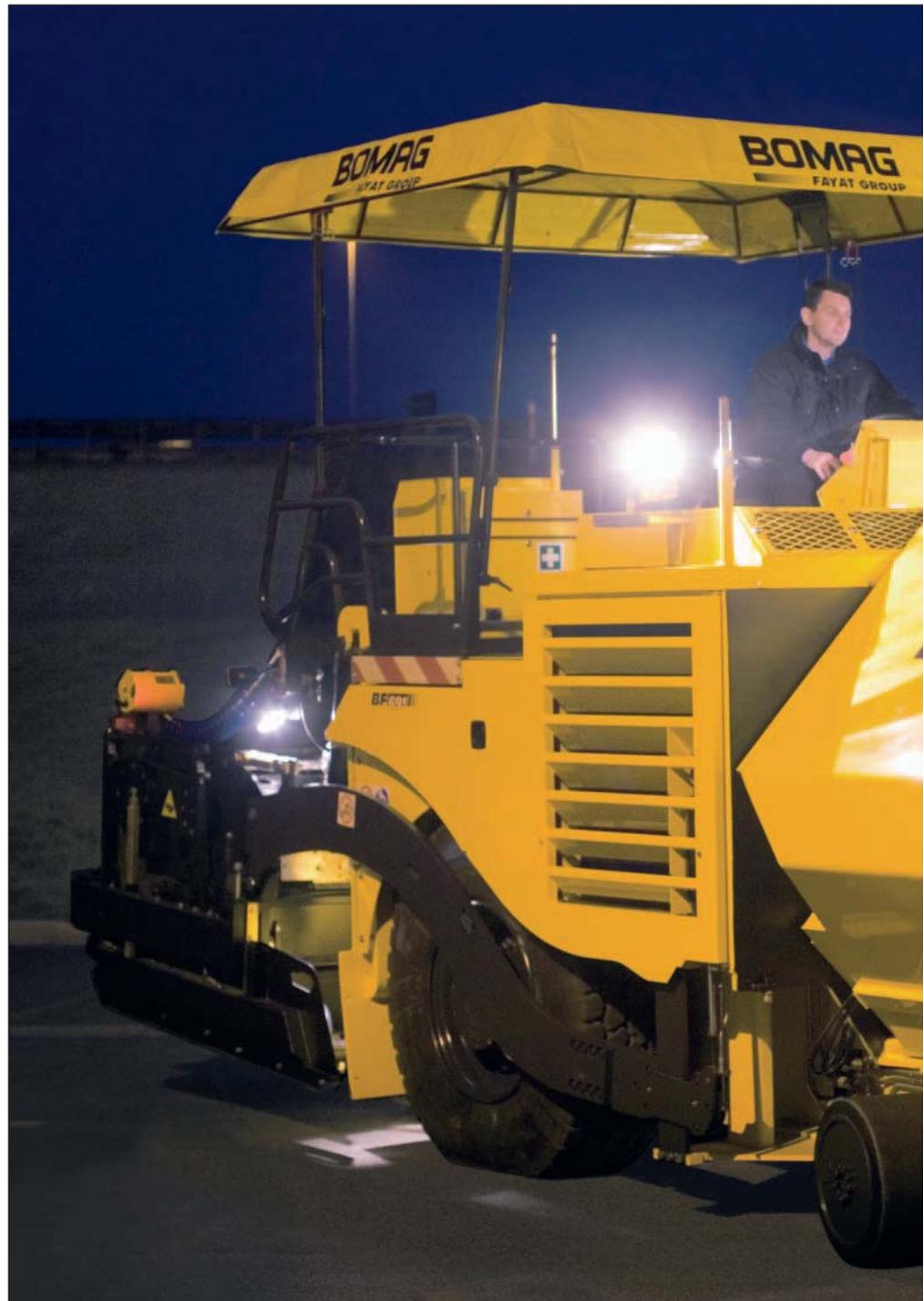
New BOMAG paver range

The range of Asphalt Equipment now available from BOMAG has been extended with the addition of road pavers and milling machines.

You can now choose a model that suits your type of work from a range of 8 paving machines ranging from 5 to 20 t.

From the highly adaptable BF 222 C paver for footpath use up to the heavy-duty BF 691 C paver BOMAG offers a variety of specification and performance features.

BF 691 and BF 691 C are our heavy-duty models with the maximum material throughput and highest traction power.



BF 691 with 6x6 all-wheel drive.

Power and performance

Choices depending on application

You decide whether you need a highly manoeuvrable wheel-driven paver BF 691 with 6x6 all-wheel drive, or a track-driven paver BF 691 C with maximum stability and tractive power. Or maybe you prefer a low maintenance, electronic screed board heating or an approved, highly efficient gas heating?

You choose. All control and service features on BOMAG pavers are simply and robustly designed, suitable for tough site use, and to make operation safe and easy.



Mobile and powerful: 6x6 all-wheel drive.



Maximum stability and traction power: BF691C with 3.1 m crawler track.



Hydraulic camber adjustment.



Robust and durable screed board design (central lubrication point).

Road paver BF 691, BF 691 C



Self-adjusting push rollers:

The wide rollers are mounted on a heavy duty side plate. Trucks approaching at an angle are guided into position.

Conveyor belts:

Two independently controlled and reversible belts for maximum throughput of material.

2 drive options:

Rubber tyre model BF 691 with 6x6 all wheel drive or crawler model BF 691 C with 3.1 m tracks.



Long life floor panels

with high wear resistant steel plates in conveyor areas.

Automatic screed board control L.C.S.®:

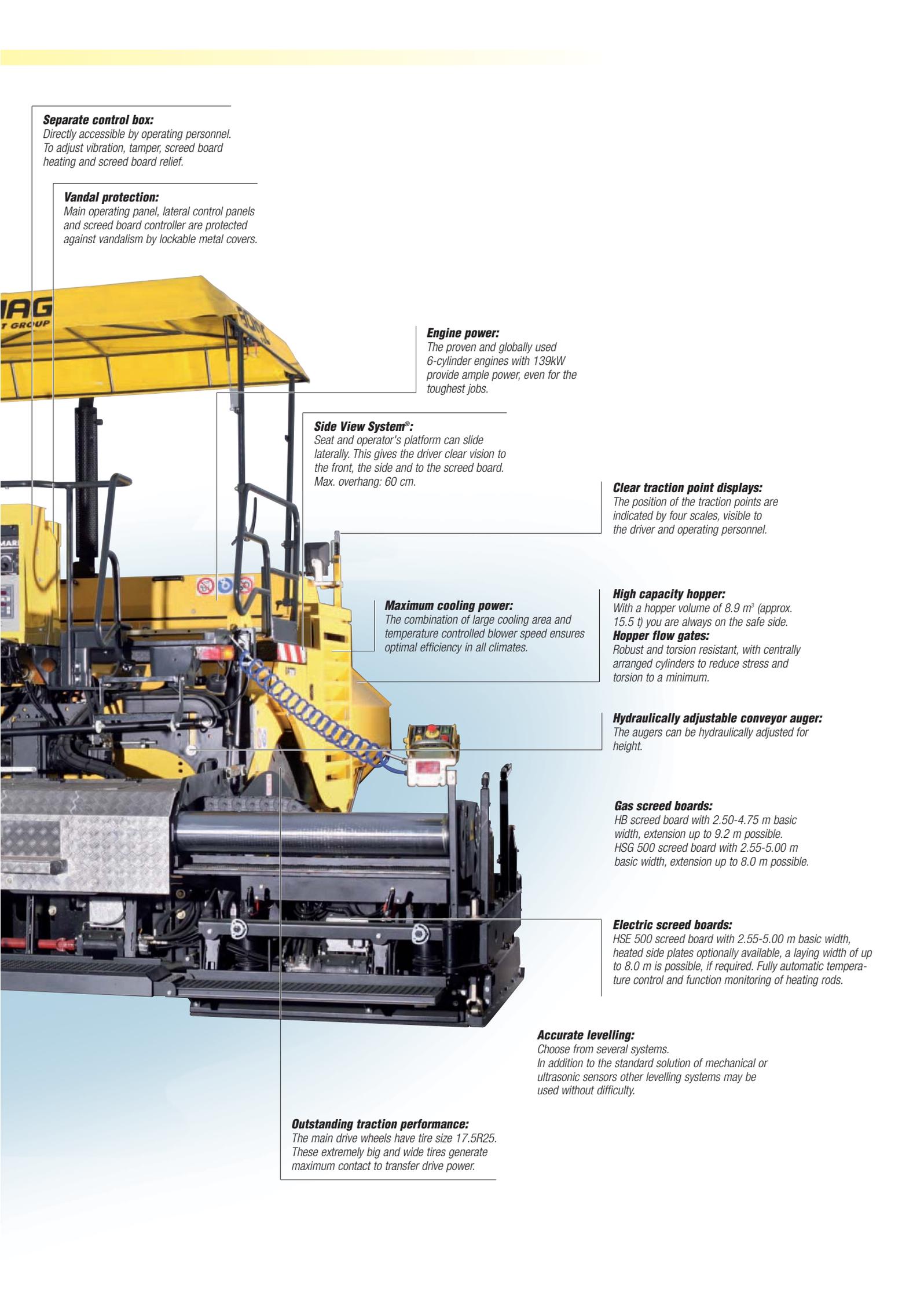
For controlled increase of traction when starting, relieving/locking of screed board at standstill and precise adjustment to material densities.

Short screed board heat-up time:

In the new ECO mode the electric screed board is heated up at reduced engine speed, economically and quietly.

High material throughput:

The adjustment of feed belt, auger, hopper set-up and tunnel section gives a theoretical throughput of max. 800 t/h.



Separate control box:

Directly accessible by operating personnel.
To adjust vibration, tamper, screed board heating and screed board relief.

Vandal protection:

Main operating panel, lateral control panels and screed board controller are protected against vandalism by lockable metal covers.

Engine power:

The proven and globally used 6-cylinder engines with 139kW provide ample power, even for the toughest jobs.

Side View System®:

Seat and operator's platform can slide laterally. This gives the driver clear vision to the front, the side and to the screed board. Max. overhang: 60 cm.

Maximum cooling power:

The combination of large cooling area and temperature controlled blower speed ensures optimal efficiency in all climates.

Clear traction point displays:

The position of the traction points are indicated by four scales, visible to the driver and operating personnel.

High capacity hopper:

With a hopper volume of 8.9 m³ (approx. 15.5 t) you are always on the safe side.

Hopper flow gates:

Robust and torsion resistant, with centrally arranged cylinders to reduce stress and torsion to a minimum.

Hydraulically adjustable conveyor auger:

The augers can be hydraulically adjusted for height.

Gas screed boards:

HB screed board with 2.50-4.75 m basic width, extension up to 9.2 m possible.
HSG 500 screed board with 2.55-5.00 m basic width, extension up to 8.0 m possible.

Electric screed boards:

HSE 500 screed board with 2.55-5.00 m basic width, heated side plates optionally available, a laying width of up to 8.0 m is possible, if required. Fully automatic temperature control and function monitoring of heating rods.

Accurate levelling:

Choose from several systems.
In addition to the standard solution of mechanical or ultrasonic sensors other levelling systems may be used without difficulty.

Outstanding traction performance:

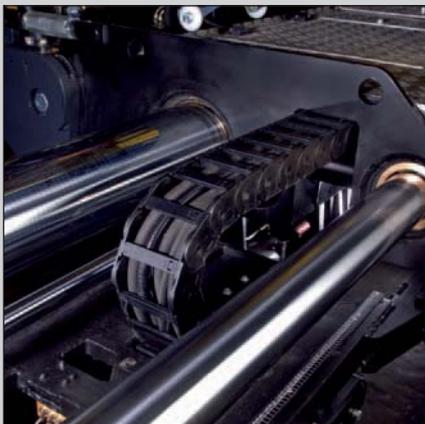
The main drive wheels have tire size 17.5R25. These extremely big and wide tires generate maximum contact to transfer drive power.



Low step heights, continuous foot board and folding crank handles for easy access.



For transportation the side plates fold back to save space.



Heavy duty guides prevent bending and torsion of screed board.



HSE screed board with electric heating and 2.55 m basic width Here extended to 5 m. Optional gas heating.

Screed boards and screed board extensions

Screed boards

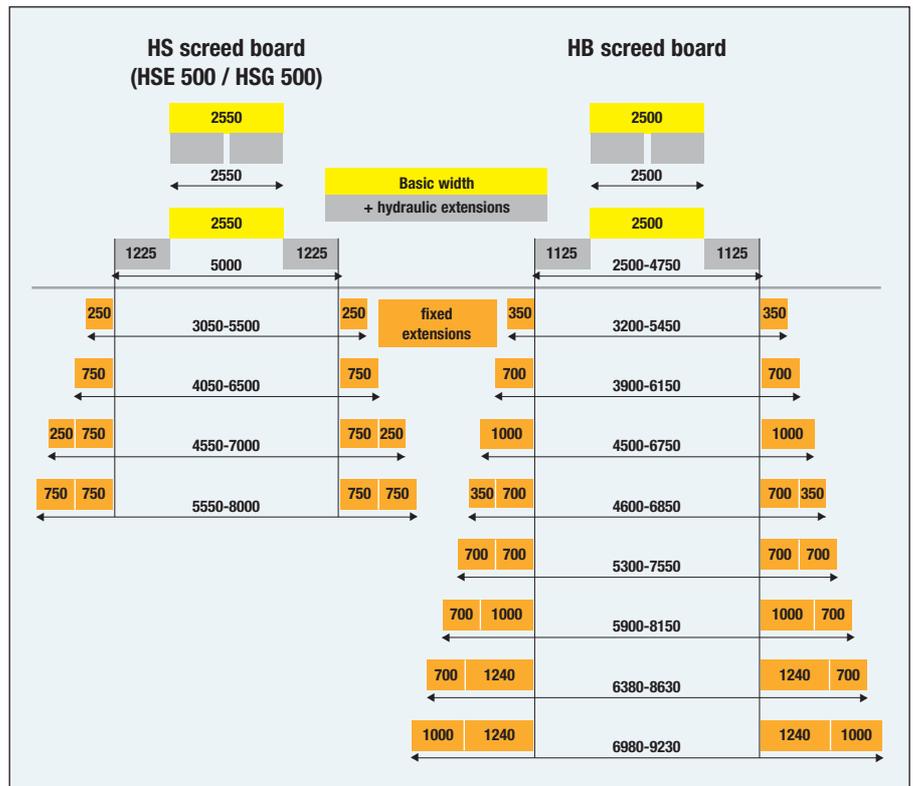
Three different screed boards are available for pavers BF 691 and BF 691 C:

- HB: Gas heating, Basic width 2.5 - 4.75 m
- HSE 500: Electric heating, Basic width 2,55 - 5,0 m
- HSG 500: Gas heating, Basic width 2,55 - 5,0 m

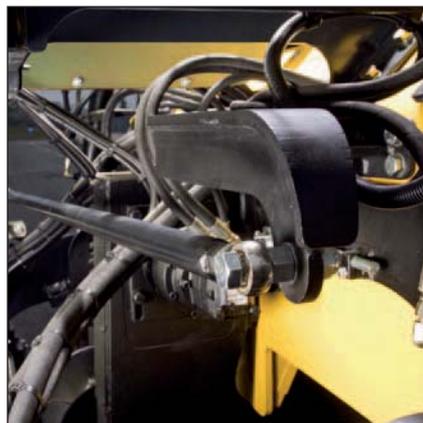
Screed board extensions

With screed board extensions the following maximum laying widths can be achieved:

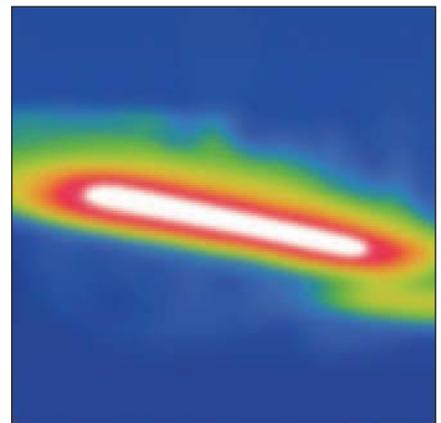
- BF 691 with 6x6 all-wheel drive: 8.0 m (HSE 500 and HSG 500)
- BF 691 with 6x6 all-wheel drive: 8.15 m (HB)
- BF 691 C with crawler drive: 8.0 m (HSE 500 and HSG 500)
- BF 691 C with crawler drive: 9.2 m (HB)



Variable screed board width with choice of extensions for maximum productivity.



Accurate centring of the screed board with push/pull rod prevents lateral floating.



Uniform temperature distribution and short heat up times in ECO mode.

Service/Maintenance

Simplified servicing saves money and time

The BF 691 has been designed for easy maintenance access. Poor access maintenance points do not exist. All flaps and doors are well dimensioned and open wide. Individual components, e.g. oil filters, are directly accessible. This reduces the risk of costly engine or hydraulic failures to a minimum.

The advantages of BOMAG road pavers

• *Simple operation:* The operating concept of BOMAG addresses the requirements of a construction site. The machines are only equipped with robust electro-mechanical control elements and not with membrane keyboards or sub-menu structures.

- *Problem free repairs:* The use of standard switches simplifies and shortens on-site repairs. This keeps costs and downtimes low.
- *SideView System®:* Optimal adjustment of the driver seat position. This gives the driver a clear view to front wheels, screed board, augur and hopper.
- *Quiet and low vibration screed boards:* 83 dbA (measurement HSE).
- *High pre-compaction values:* 90-93 % (measurement HSE: 93 % binder, 90 % black top).



Large wide-opening doors ease maintenance and service work.



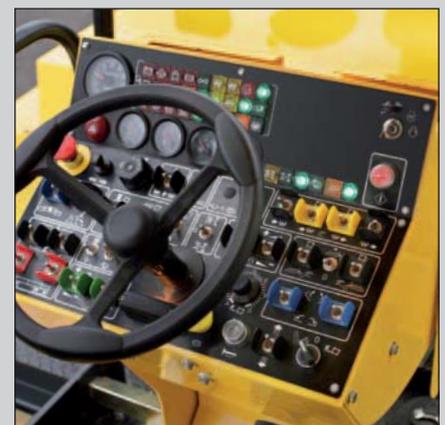
The engine compartment is accessible from four sides.



Lateral operator station with exchangeable controls.



Easy access to central hydraulics.



Main control panel with robust and easy to change switches.

Standard/Options

Basic machines BF 691/BF 691C:

- Rubber tyred paver BF 691 with HB gas screed board 2.5-4.75 m, 6x6 all-wheel drive.
- Rubber tyred paver BF 691 with HSG 500 gas screed board 2.55-5.0 m, 6x6 all-wheel drive.
- Rubber tyred paver BF 691 with HSE 500 electric screed board 2.55-5.0 m, 6x6 all-wheel drive.
- Tracked paver BF 691 C with HB gas screed board 2.5-4.75 m.
- Tracked paver BF 691 C with HSG gas screed board 2.55-5.0 m.
- Tracked paver BF 691 C with HSE electric screed board 2.55-5.0 m.

Standard:

- 6 cylinder, 139 kW engine.
- lateral adjustment of driver's seat and platform SideView System®.
- L.C.S.® screed board relief and traction increase system.
- Individual control of hopper flaps.
- Load sensing material flow system.
- 2 independent and reversible conveyor belts, high wear resistant plates.
- 2 proportionally controlled and reversible augurs made of low wear special GG Cr12 cast iron, augur wings individually replaceable.
- Hydraulic height adjustment of screws.
- Proportional augur and conveyor belt control, ultrasonic sensors.

- Cleaning system with 8 m hose reel, pump and tank.
- Hydraulic camber adjustment (HSE 500/ HSG 500).
- Tamper adjustment (850-1500 rpm) and vibration adjustment (950-3500 rpm).
- Fully automatic screed board heating and function monitoring (gas or electric heating).
- Central lubrication system for screed boards HSG 500 and HSE 500.
- Hydraulic screed board locking for road travel.
- 6x6 travel drive 17.5R25 rear tires, additional ballast, 2 working speeds, 2 travel speeds.
- Crawler track with P.L.C. travel, control and brake system, 300 mm floor plates.

Options:

- Screed board extensions HS screed board 250/750.
- Screed board extensions HB screed board 350/700/1000/1240.
- Levelling systems: Height and cross-slope sensing with ultrasonic or mechanical sensors.
- Xenon flood light illumination, 4 spotlights
- Heated side plates for HSE 500 electric screed board.
- Reducing shoes.
- Extraction system.

Your benefits at a glance:

-  **Logical** operating procedures. Quick and safe handling of the machine.
-  **Robust** operating controls designed for tough site usage.
-  **SideView System®:** Superb vision around the paver.
-  **L.C.S.® screed board relief** for materials with low load bearing capacity.
-  **L.C.S.® traction increase** constant traction on any subbase.
-  **BOMAG sales network** with worldwide application consulting service.
-  **BOMAG spare parts supply** Short downtimes for service.
-  **BOMAG service network** With more than 500 dealers all over the world.

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

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