

BOMAG

Stabilizer/Recycler

MPH 122



I. Soil stabilization with cement and lime in sand and gravel

Layer thickness	in.	7.9	11.8	19.7
Output/Distance	miles/day	7.5 - 9.4	5.0 - 8.1	3.1 - 5.0

II. Improvement with lime in mixed soils

Layer thickness	in.	7.9	11.8	19.7
Output/Distance	miles/day	5.0 - 8.1	3.8 - 5.6	2.5 - 3.8

III. Pulverization of silt and clay

Layer thickness	in.	7.9	11.8	19.7
Output/Distance	miles/day	3.8 - 5.9	3.1 - 5.0	2.5 - 4.4

IV. Mix in place recycling of asphalt roads. Total cutting depth: 10 in.

Asphalt thickness	in.	2.0	3.9	5.9
Output/Distance	miles/day	3.8-5.6	2.5 - 3.8	.9 - 2.5



MPH 122

*Optional:
Pressure-ventilated cab with filtered fresh air:
Eases the burden on the operator when operating the
machine in dusty environments*

*FOPS/ROPS with seat belt is
standard equipped.*

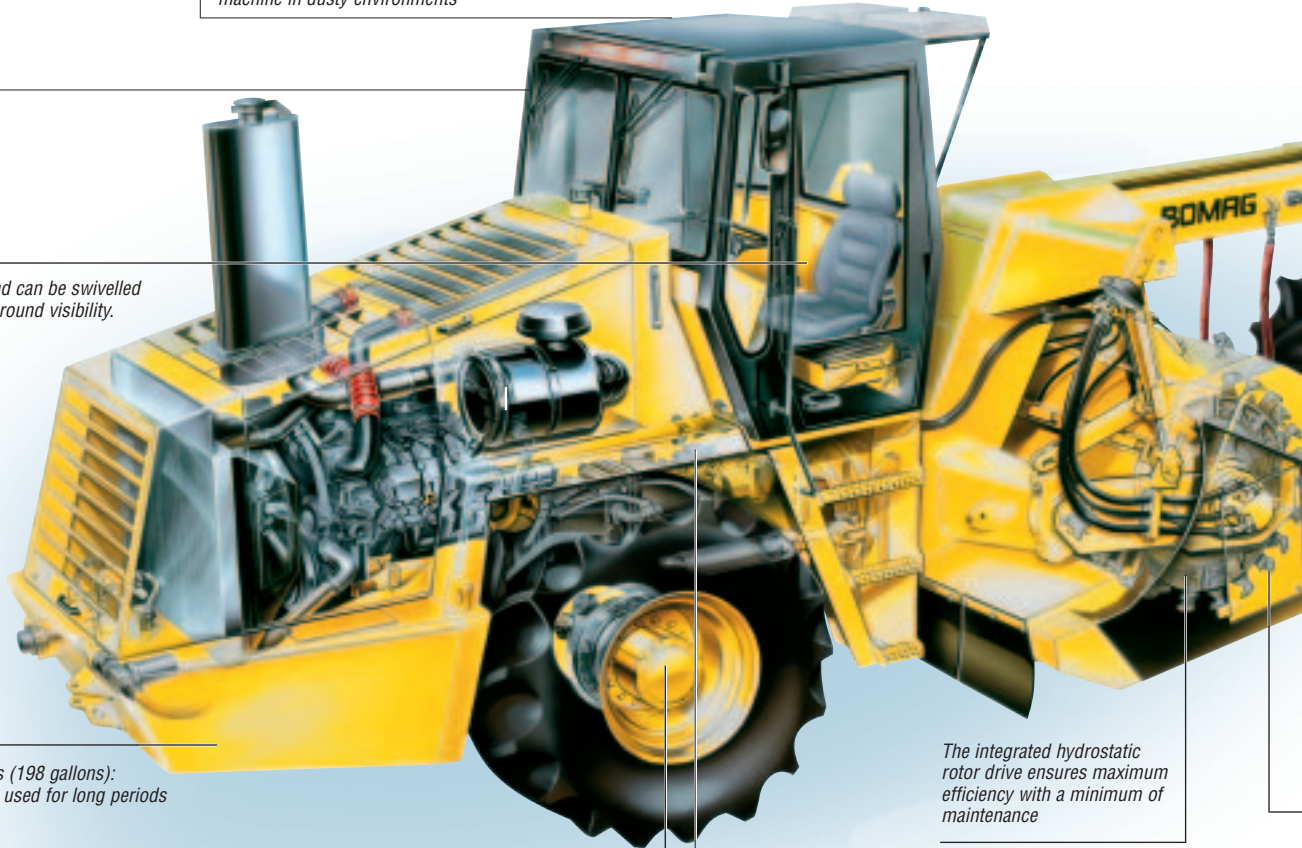
*The seat is laterally adjustable and can be swivelled
through 90 degrees ensuring all-round visibility.*

*Large capacity fuel tanks (198 gallons):
Allow the machine to be used for long periods*

*The planetary gear boxes with integrated oil bath
multiple disc brakes and high driving torque provide
optimum performance in normal to extreme applications.*

*The robust center joint
provides a small turning radius
and ensures stability at all times.*

*The integrated hydrostatic
rotor drive ensures maximum
efficiency with a minimum of
maintenance*



■ MPH 122 - continuing our tradition of excellence...

The BOMAG MPH 122 is the solution when it comes to economical and environmentally friendly stabilization and recycling of soils and asphalt in place. Suitable for use as stabilizer or recycler, the MPH 122 is equally good at working with clay in soil stabilization as well as carrying out widely differing methods of recycling of asphaltic materials. A whole range of technical application details make the MPH 122 stand out from the rest. The universally applicable rotor, with selectable rotor speeds under load, can be adapted to individual requirements providing the best possible results, while optional metering systems optimized to suit the particular application extend the range of performance and make the MPH 122 even more economical as well as versatile. Whatever types of soils and materials the MPH 122 is working on, the variable rotor speeds allow the mixing process to be optimized. This allows the binding agents and soil to be processed with minimum wear and optimized power consumption to make a mixture of a quality never before achieved.

■ Applications

- In-place asphalt recycling
- Road constructions
- Construction site material stabilization



The MPH 122 in operation.

Featuring...

*Optimum maneuverability:
The rear wheel steering combined
with the articulated steering gives
high maneuverability increasing
flexibility even on restricted sites
and in confined areas*



*The tooth change system ensures quick,
easy and safe replacement of the cutting
teeth reducing lost working time*

*Easily replaceable "knock-in – knock-out"
teeth ensures quick tooth replacement
without the need for special tools*

Handling is Easier and Safer

- The comfortable operator's seat can be laterally adjusted and swivelled through 90 degrees. Together with the two steering wheels and the two driving levers it gives the operator excellent all-round visibility.
- Automatic switch-off of the rotor for the protection of maintenance and jobsite personnel.
- A safety cut-off switch for replacement of the cutting teeth enhances the high level of machine safety provided.
- Automatic brake actuation when the engine is stopped.
- The EMERGENCY Stop switch engages the disk brakes on all drive wheel units.

Productivity and Profit

- Variable rotor speed ensures high levels of application flexibility.
- All-wheel drive for optimum traction means trouble-free operation even under difficult jobsite conditions.
- Excellent maneuverability thanks to the compact design. Articulated and rear-wheel steering are standard.
- Increased availability through the quick-change cutting teeth replacement system.
- The Universal rotor can be used for both recycling and stabilization.

High Reliability

- High capacity hydraulic pumps and motors ensure efficient operation even under extreme conditions.
- A rigid frame and robust travel and rotor system ensure greater machine reliability and long service life.

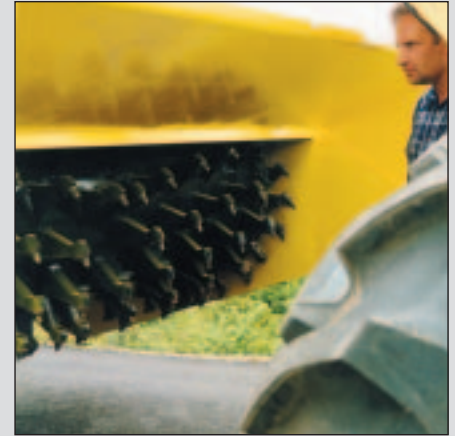
Reliable BOMAG Quality Is Your Investment Security

Easy Maintenance

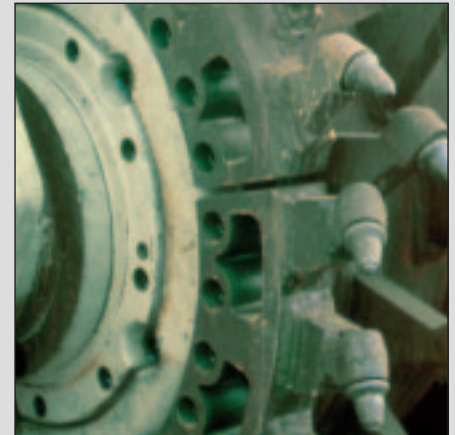
- Easy access to the maintenance points, which have been reduced to a minimum.
- The operator's platform can be lifted for easy access to all components.
- The hydraulic test points are centrally grouped for quick and easy troubleshooting.
- The pumps, filters and batteries are readily accessible and are protected from vandalism by the lockable compartments.
- The rotor end segments are bolted on and in case of wear can be easily and quickly replaced without removal of the rotor.



Simple access to the radiators makes cleaning easier



*Quick replacement of cutting teeth without the need
for special tools.*



Individually exchangeable end segments



All wheel drive for optimum tractive effort and gradeability

*With these features and many more, it's
easy to see why this model maintains a
high residual value while delivering
lower lifetime operating costs.*

Technical Specifications

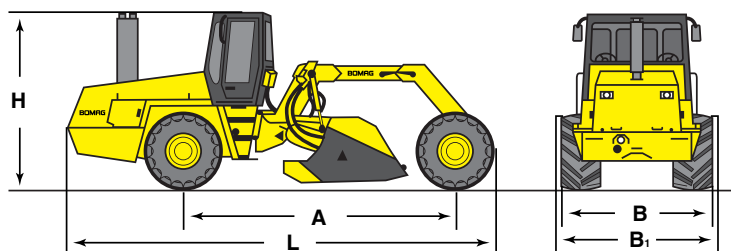
MPH 122

Standard equipment

- ☒ Hydrostatic drive / all wheels
- ☒ Hydrostatic rotor drive with automatic power adjustment
- ☒ Hydrostatic articulated steering
- ☒ Rear axle steering
- ☒ Operator's platform with:
 - Double travel lever
 - Two steering wheels
 - Adjustable seat
- ☒ Weather and vandal protected control panel
- ☒ Working Lights
- ☒ ROPS/FOPS w/seat belt

Optional equipment

- ☐ Cabin with heating
- ☐ Air conditioning
- ☐ Manual additive system
- ☐ Automatic additive system
- ☐ Hydraulic adjustable rotor inclination
- ☐ Special painting
- ☐ 98" rotor / 16.5" cutting depth
- ☐ Emulsion metering system
- ☐ Foam bitumen metering system
- ☐ EM Tires



Dimensions in inches (mm)

	A	H	K	L	B	B ₁
MPH 122	229 (5815)	134.6 (3420)	20.1 (510)	356.3 (9050)	102.4 (2600)	112.2 (2850)

Technical data

Weights

Operating weight CECE.....	lb	(kg)	45,636	(20700)
Basic weight.....	lb	(kg)	44,776	(20310)

Dimensions

Track radius 1 inner/outer	in	(mm)	137.8/250	(3500/6300)
Dimensions.....			see sketch	

Driving Characteristics

Speed (1)	mph	(km/h)	0-93	(0-1.5)
Speed (2)	mph	(km/h)	0-7.46	(0-12)
Working speed.....	fpm	(m/m)	211	(64)

Drive

Engine manufacturer		Deutz	
Type.....		BF6M 1015CP	
Cooling.....		water	
Number of cylinders		6	
Performance ISO 9249	hp	(kW)	448.7 (330)
Speed	rpm		2100
Performance SAE J 1995	hp	(kW)	442 (330)
Speed	rpm		2100
Electric equipment.....	V		24
Drive system		hydrostatic	
Driven wheels		all wheel	

Tires

Tire size, front		28 LR 26	
Tire size, rear		620/75R26	

Transmission

Type.....		hydrostatic	
Drive wheel.....		all	

Brakes

Service brake.....		hydrostatic	
Secondary/Parking brake.....		SAHR	

Steering

Steering system		articulating + rear	
Steering method.....		automotive / hydraulic	

Rotor

Configuration		center slung	
Type drive		hydrostatic	
Width	in	(mm)	91.7 (2330)
Diameter over teeth	in	(mm)	48.2 (1225)
Max cutting depth	in	(mm)	19.7 (500)
Rotor speed.....	rpm		100/170
Number of cutting teeth			194
Cutting direction			upward

Capacities

Fuel.....	gal	(l)	198 (749.5)
Engine oil	gal	(l)	10 (37.9)
Hydraulic fluid	gal	(l)	92 (348.2)

Technical modifications reserved. Machines may be shown with options.

BOMAG

AMERICAS

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