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TANDEM VIBRATORY ROLLER
BW100SL-5 and BW120SL-5

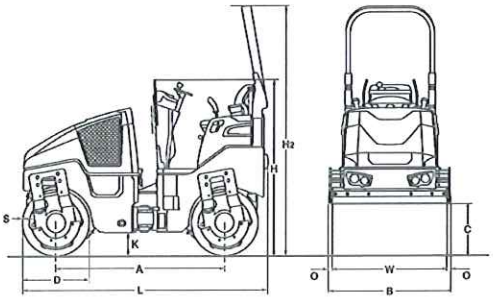
KEY FEATURES

- Tier 4 final Kubota diesel engine without exhaust after-treatment system
- Easy & simple operations
- Wind protected water spray nozzles
- No daily grease points
- High frequency: 72Hz / 4320 VPM
- Maintenance free articulation

Preliminary Specifications
BW 100 SL-5, BW 120 SL-5

Shipping dimensions in ft³ (m³)

BW 100 SL-5	247 (7)
BW 120 SL-5	293 (8.3)



Standard Equipment

- ☑ Foldable ROPS
- ☑ Hydrostatic travel and vibration drive
- ☑ Pressure sprinkler system with interval switch
- ☑ Suspended operator's platform
- ☑ 2 scrapers per drum, spring loaded and tiltable
- ☑ Multi-function travel lever
- ☑ Multi-function display incl. operating hour meter
- ☑ Water level
- ☑ Fuel level
- ☑ Electric fuel gauge
- ☑ Emergency STOP
- ☑ Individual control, vibration
- ☑ Intelligent Vibration Control (IVC)
- ☑ Integrated stowage compartment
- ☑ Adjustable operator's seat
- ☑ Lashing eyes, galvanized
- ☑ Back-up alarm
- ☑ Single point lifting device
- ☑ V-belt protection
- ☑ Vandalism protection
- ☑ Lockable engine hood made of composite material
- ☑ Working lights front and rear
- ☑ 12V socket
- ☑ Seat contact switch
- ☑ Plastic water tank
- ☑ Bolt-on oscillating/articulating joint

Optional Equipment

- ☐ Indicator and hazard lights
- ☐ Rotary beacon
- ☐ Battery disconnection switch
- ☐ Sliding seat
- ☐ ECONOMIZER
- ☐ Burglary protection
- ☐ Special paint

Dimensions in inches (mm)

	A	B	C	D	H	H2	K	L	O	S	W
BW 100 SL-5	69	42	20.6	27.6	71.2	101	10	99.6	1.4	0.4	39.4
	(1752)	(1072)	(523)	(700)	(1808)	(2568)	(254)	(2529)	(36)	(10)	(1000)
BW 120 SL-5	69	50	20.6	27.6	71.2	101	10	99.6	1.4	0.4	47.2
	(1752)	(1272)	(523)	(700)	(1808)	(2568)	(254)	(2529)	(36)	(10)	(1200)

Technical data	BOMAG BW 100 SL-5	BOMAG BW 120 SL-5
Weights		
Operating weight w. ROPS ... lb (kg)	5181 (2350)	5511 (2500)
Average static linear load ... lb/in (kg/cm)	66.1 (11.8)	58.2 (10.4)
Driving Characteristics		
Speed ... mph (km/h)	0 – 5.6 (0 – 9)	0 – 5.6 (0 – 9)
Working speed with vibration ... mph (km/h)	0 – 3.1 (0 – 5)	0 – 3.1 (0 – 5)
Max. gradeability without/with vibr. ... %	40 / 30	40 / 30
Drive		
Engine manufacturer ...	Kubota	Kubota
Type ...	D 1703-DI	D 1703-DI
Tier Compliance ...	4 final	4 final
Cooling ...	water	water
Number of cylinders ...	3	3
Performance ISO 14396 ... kW	18.5	18.5
Performance SAE J 1995 ... hp	25	25
Speed ... rpm	2200	2200
Electric equipment ... V	12	12
Driven drum ...	front + rear	front + rear
Brakes		
Service brake ...	hydrost.	hydrost.
Parking brake ...	hydromec.	hydromec.
Steering ...		
Steering system ...	oscil.artic.	oscil.artic.
Steering method ...	hydrost.	hydrost.
Steering / oscillating angle +/- ... deg	32 / 10	32 / 10
Crab steer offset – manual ... in (mm)	0 – 2 (0 – 50)	0 – 2 (0 – 50)
Track radius, inner ... in (mm)	96.5 (2450)	96.5 (2450)
Exciter System		
Vibrating drum ...	front + rear	front + rear
Drive system ...	hydrost.	hydrost.
Frequency ... VPM (Hz)	4320 (72)	4320 (72)
Amplitude ... in (mm)	0.020 (0.50)	0.020 (0.50)
Centrifugal force ... lb (kN)	7640 (34)	8993 (40)
Drum Water Spray System		
Type ...	pressure with interval	pressure with interval
Capacities		
Fuel ... gal (l)	9.2 (35)	9.2 (35)
Water ... gal (l)	43.6 (165)	43.6 (165)

Technical modifications reserved. Machines may be shown with options.

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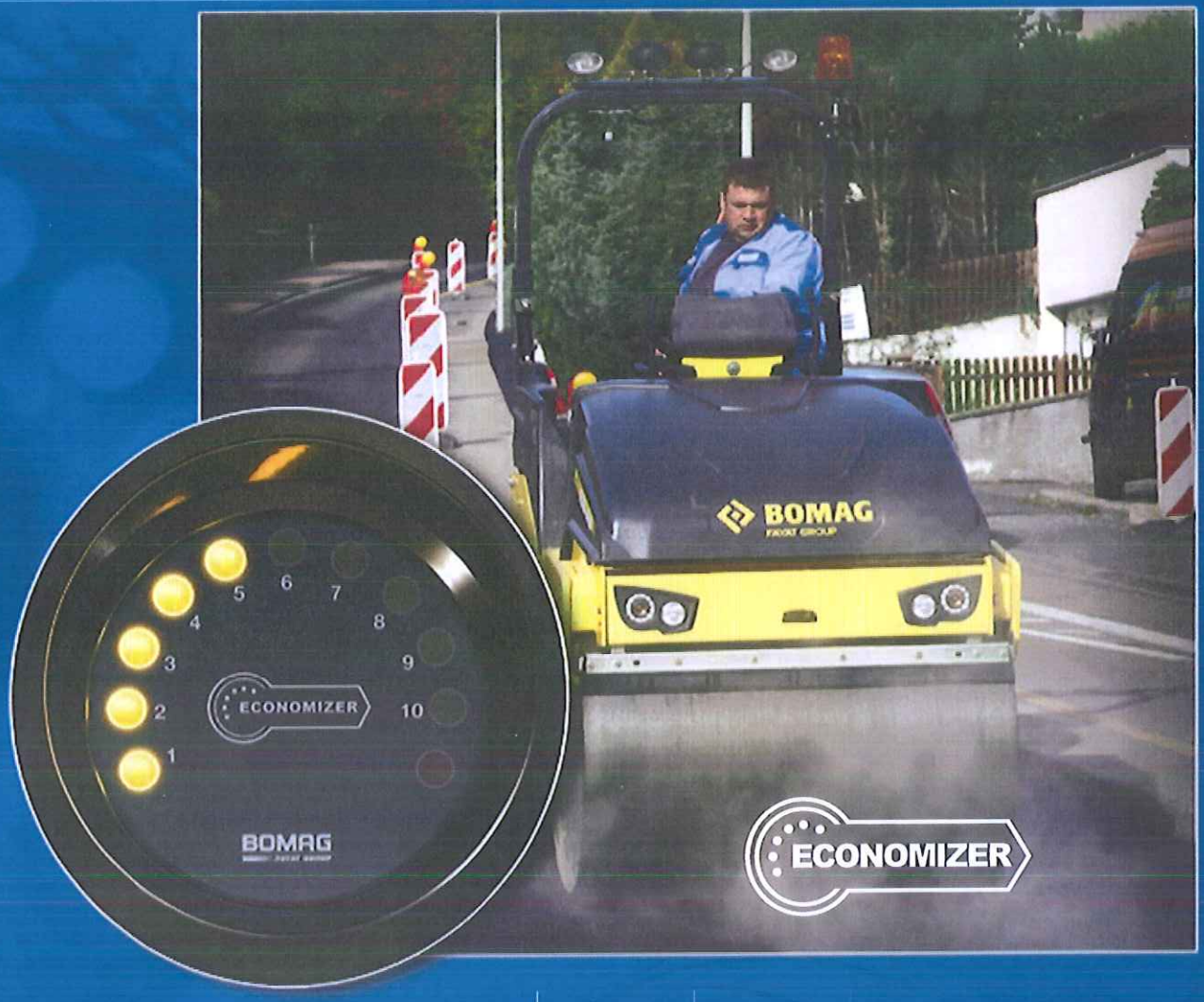

THE NEW EYE FOR COMPACTION

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Over compaction is avoided:
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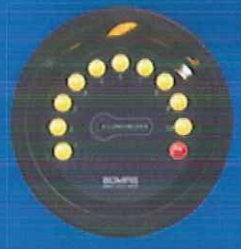

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Tandem Vibratory Rollers

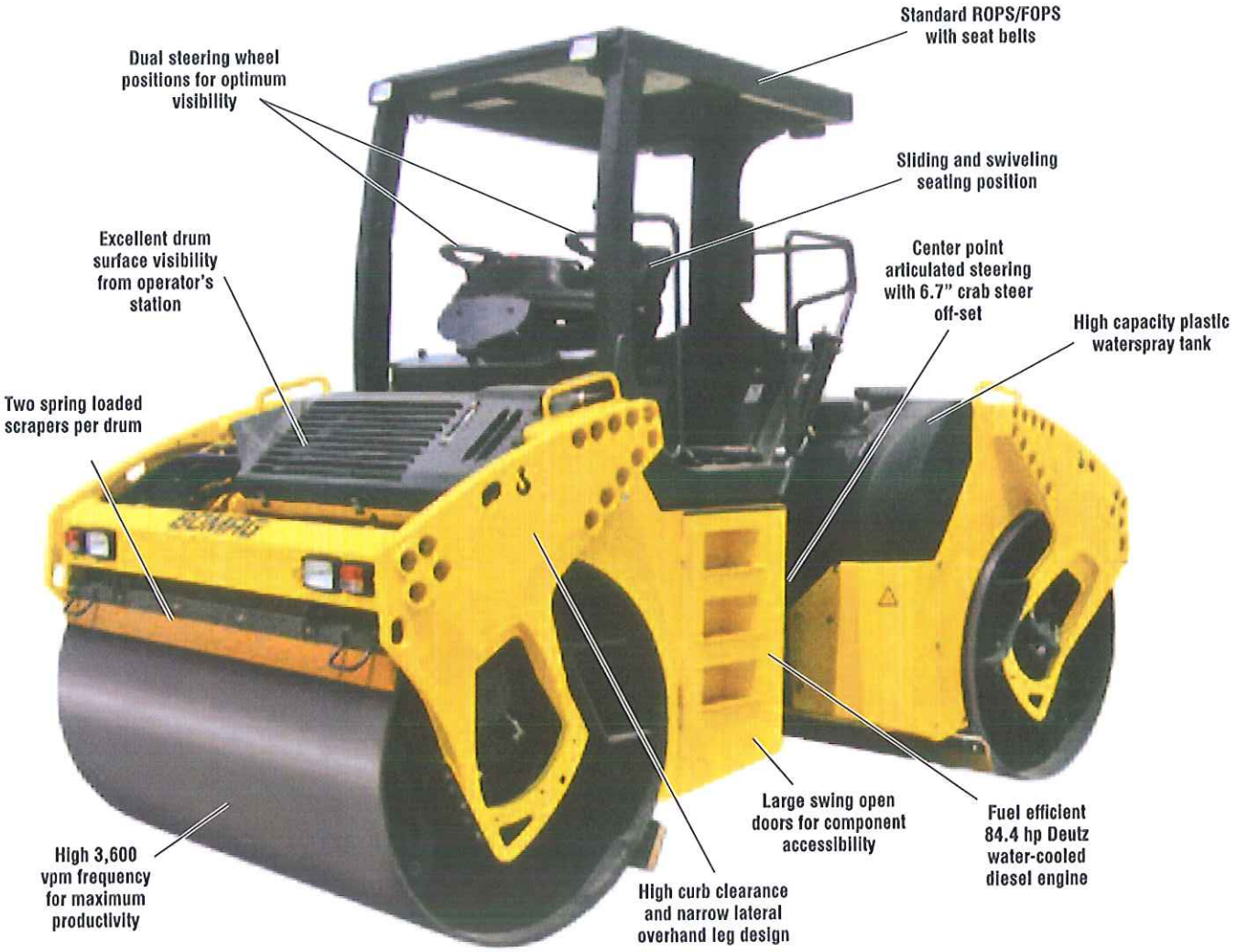
BW141AD-4, BW151AD-4

BW141AD-4 - ASPHALTIC CONCRETE (material weight 140 lb/cu ft)						
# passes	rolling speed	area coverage	"productivity in tons/hr by lift thickness, 100% efficiency"			
	(mph)	sq yd/hr	1.5 inches	2 inches	2.5 inches	3 inches
2	4.1	5923	467	623	779	934
3	4.1	3949	311	415	519	623
4	4.1	2962	234	311	389	467
5	4.1	2369	187	249	311	374
6	4.1	1974	156	208	260	311

BW151AD-4 - ASPHALTIC CONCRETE (material weight 140 lb/cu ft)						
# passes	rolling speed	area coverage	"productivity in tons/hr by lift thickness, 100% efficiency"			
	(mph)	sq yd/hr	1.5 inches	2 inches	2.5 inches	3 inches
2	4.1	6625	522	697	871	1045
3	4.1	4416	348	464	581	697
4	4.1	3312	261	348	435	522
5	4.1	2650	209	279	348	418
6	4.1	2208	174	232	290	348

Note: Repeat number of passes over the same area is required to achieve specified compaction efficiency/density. Successive passes over same area results in reduced area coverage and productivity. Rolling speed selected provides impact spacing of a minimum of 10 impacts per foot at high vibration frequency setting. Actual compaction efficiency is determined by job conditions.

BW141AD-4, BW151AD-4



An Innovative Design, Capable of Handling a Wide Range of Compaction Applications ...

The next generation BW141AD-4 and BW151AD-4 tandem vibratory rollers have been designed to meet and exceed the requirements of today's contractors. These new models come equipped with large diameter drums with thick shells to provide maximum strength and ensure a high quality finished asphalt surface. The lateral sliding and swiveling seat can be positioned at 90 degrees providing optimum visibility of the drum edges and work surface.

These features combined with dual amplitudes, high vibratory frequencies, and optimized centrifugal forces, deliver maximum productivity on applications ranging from granular stone bases to hot mix asphalt surfaces.

Applications:

- Highway construction and maintenance
- Asphalt repairs and resurfacing
- Airports
- Parking lots

BW 141AD-4 / BW 151AD-4 Operator's platform with sliding/swiveling seating position

Slanted leg design offers exceptional visibility to both drum work surface, water spray system and surrounding jobsite area.

Handling is safer and easier:

- Simple drum offset of 6.7 inches to either side of center, improves productivity and reduces damage potential in tight, confined areas.
- Driver's seat can be moved to either side and swiveled 90 degrees for optimum driver comfort, visibility and jobsite safety.
- Excellent all around visibility, including drum surfaces and edges for easier maneuvering and early warning of material pick-up on drums.
- Twin travel levers mounted either side of the seat, ergonomic layout of controls and dual steering wheels mean no awkward stretching and ease of operation.
- Emergency stop activates the maintenance free multi-disk brakes of the travel motors and cuts travel drive for optimum safety should an emergency occur.

Next generation design heavy tandem models provide maximum productivity

Achieve maximum Productivity:

- Up to 20% lower maintenance costs than conventional rollers.
- Vibration bearings with oil bath lubrication, for maximum cooling efficiency and long life.
- Non-corrosive water system with dual electric spray pumps, ensures minimal water system problems.
- Extended change intervals for hydraulic oil and filter, up to 2000 hours or once in two years, minimizes costs and service hours.
- Maintenance free articulated steering design and spring-actuated brake system.
- Water-cooled Deutz diesel engine provides fuel efficient operation and maximum reliability.
- Easy component access saves you time and money in reduced maintenance expense.
- Visual checks for hydraulic filters and engine air filter are in easy view
- Hydraulic system test ports are within easy reach when required
- Standard spring loaded scrapers and quick-disconnect nozzles provide easy servicing and maximized machine up-time
- Fuel, water and hydraulic oil check and fill points are in plain view and easily accessed

Bolt-in heavy duty oscillating / articulating centerjoint with 6.7 inches offset provision.

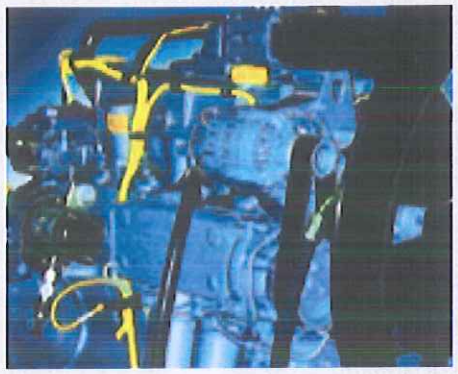
Achieve Maximum Productivity:

- Compact design with articulated frame and precision steering response provides maximum maneuverability and accurate drum tracking.
- High curb clearance, up to 28.1 inches, reduces costly damage and allows close working in tight, confined areas.
- Large diameter drums guarantee high surface quality and minimize pushing and cracking on sensitive material types.
- High travel speeds with vibration, coupled with superior drum performance, results in increased productivity.

Featuring...

Dual water spray pumps, providing back-up provision.

Large swing open doors for easy access to service and maintenance checkpoints.



Powerful and fuel efficient Deutz water-cooled diesel engine.

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

Technical Specifications
BW141AD-4, BW151AD-4

Shipping dimensions
in cubic feet (m³) without/with ROPS

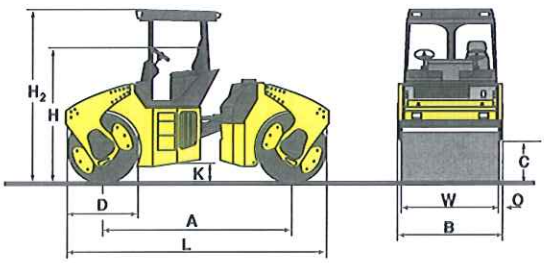
BW141AD-4	614.7 (17.41)	794.9 (22.51)
BW151AD-4	681.4 (19.30)	881.1 (24.95)

Standard Equipment

- ☑ Hydrostatic travel and vibration drive
- ☑ 2 amplitudes / 2 frequencies
- ☑ Hydrostatic articulated steering
- ☑ Crab steer right/left 6.7" (170mm)
- ☑ Automatic vibration operation
- ☑ Individual drum vibration control
- ☑ Operator's platform with:
  - two (2) steering wheels
  - adjustable seating position
- ☑ 2 travel levers with integrated switches for vibration
- ☑ Vehicle electronics with modular circuit technology
- ☑ High capacity plastic water tanks
- ☑ Pressurized water spray with two spray pumps
- ☑ Two spring loaded scrapers per drum
- ☑ 4 integrated worklights
  - * Indicator and hazard lights
- ☑ ROPS/FOPS with seat belt
- ☑ Back-up alarm
- ☑ Speedometer

Optional Equipment

- ☐ ROPS cabin with seat belt, with/ without heating, plus outside mirrors
- ☐ Rotary beacon
- ☐ Edge cutter
- ☐ Special painting
- ☐ Environmentally friendly oil
- ☐ Air Conditioning



Dimensions in inches (mm)

	A	B	C	D	H	H₁	K	L	O	W
BW141AD-4	129.9	65.4	28.0	48.03	91.34	118.11	15.75	177.95	3.15	59.1
	(3300)	(1660)	(710)	(1220)	(2320)	(3000)	(400)	(4520)	(80)	(1500)
BW151AD-4	129.9	72.4	28.15	48.03	91.34	118.11	15.75	177.95	3.15	66.1
	(3300)	(1840)	(715)	(1220)	(2320)	(3000)	(400)	(4520)	(80)	(1680)

Technical data			BOMAG BW141AD-4		BOMAG BW151 AD-4	
Weights						
Operating weight with ROPS	lbs	(kg)	17890	(8115)	18772	(8515)
Axle load (front)	lbs	(kg)	8741	(3965)	9182	(4165)
Axle load (rear)	lbs	(kg)	9149	(4150)	9590	(4350)
Average static linear load (front)	pli	(kg/cm)	147.9	(26.4)	155.3	(24.8)
Average static linear load (rear)	pli	(kg/cm)	138.4	(27.6)	145	(25.9)
Dimensions						
Track Radius, inner	in	(mm)	176.8	(4490)	173.2	(4400)
Driving Characteristics (depending on site conditions)						
Speed	mph	(kmph)	0-6.5	(0-10.5)	0-6.5	(0-10.5)
Max. gradeability	%		40		40	
Drive						
Engine manufacturer			Deutz		Deutz	
Type			TD 2011 L04		TD 2011 L04	
Cooling			Water		Water	
Number of cylinders			4		4	
Performance SAE J1349	hp		84.4		84.4	
Performance ISO 14396	kW		63		63	
Speed	rpm		2500		2500	
Fuel			diesel		diesel	
Electric Equipment	V		12		12	
Drive System			hydrostatic		hydrostatic	
Drum Driven			f + r		f + r	
Brakes						
Service brake			hydrostatic		hydrostatic	
Parking brake			SAHR		SAHR	
Steering						
Steering system			oscillating, articulating		oscillating, articulating	
Steering method			hydrostatic		hydrostatic	
Lateral displacement right/left	in	(mm)			6.7	(170)
Vibratory system						
Vibrating drum			f, r, f + r		f, r, f + r	
Drive system			hydrostatic		hydrostatic	
Frequency - (low/high)	vpm	(Hz)	2400/3600	(40/60)	2400/3600	(40/60)
Amplitude - (low/high)	in	(mm)	0.013/0.028	(0.34/0.71)	0.012/0.026	(0.31/0.66)
Centrifugal force - (low/high)	lbs	(kN)	15750/16875	(70/75)	15750/16875	(70/75)
Water Spray System						
Type of system			pressurized		pressurized	
Back-up system			2nd pump		2nd pump	
Capacities						
Fuel	gal	(l)	42.3	(160)	42.3	(160)
Water	gal	(l)	211.3	(800)	211.3	(800)

Technical modifications reserved. Machines may be shown with options.

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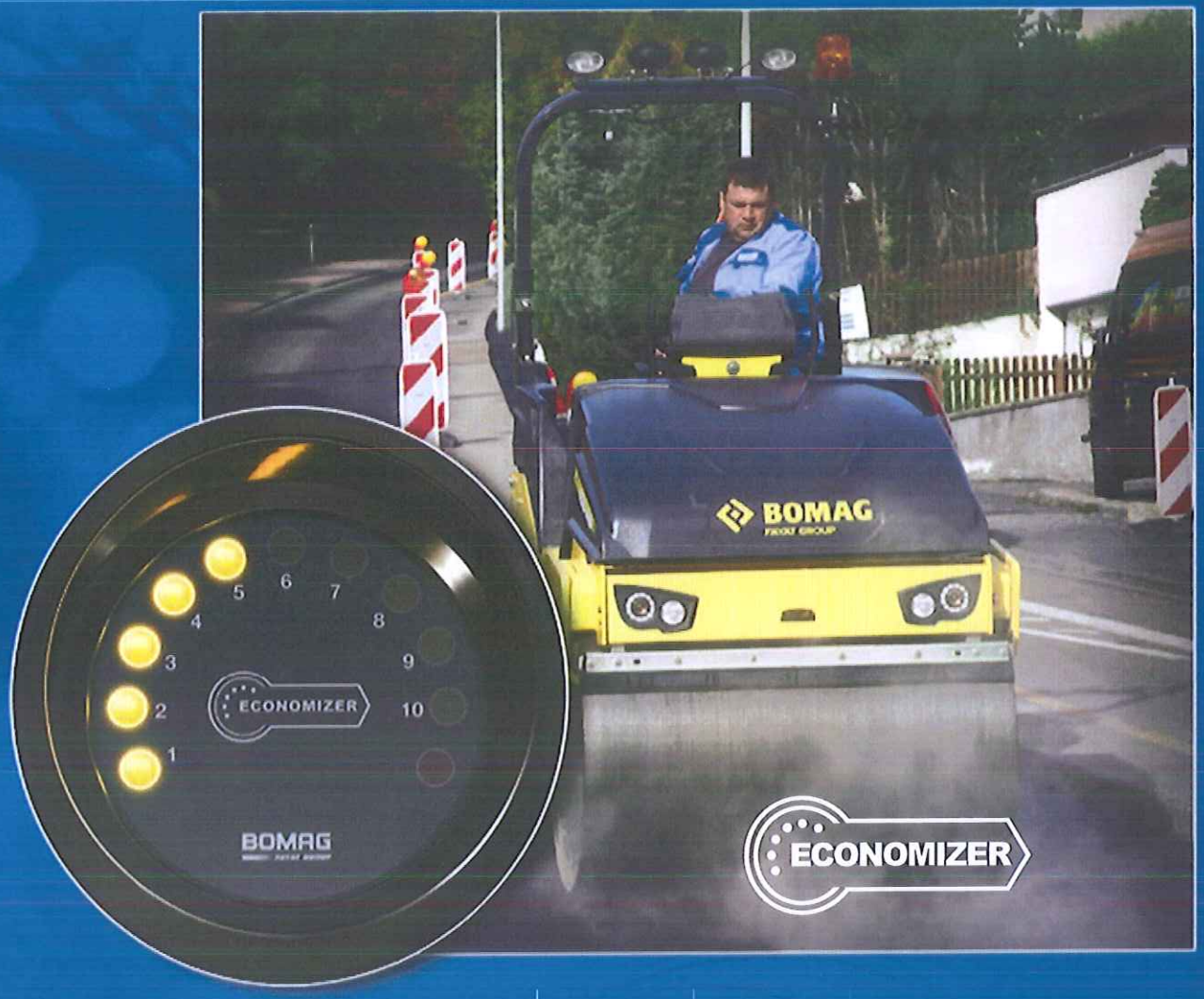

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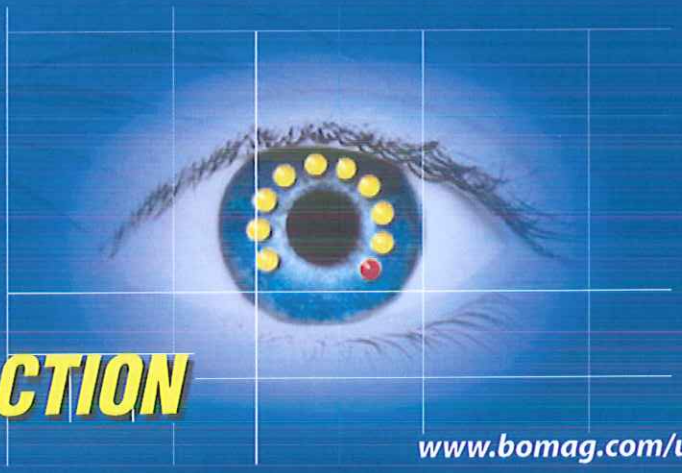

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Pneumatic Tired Roller

BW11RH

TIRE INFLATION PRESSURE P.S.I			GROUND CONTACT PRESSURE P.S.I						
Wheel Loads	Ballast Combinations lbs		12 Ply tire pressure			Opt 14 Ply Radial tire pressure			
lbs	Front	Rear	45	75	100	45	75	100	130
1,500 (680 kg)	0	4,500 (2,041 kg)	46	49	55	32	46	61	81
2,000 (907 kg)	2,000 (907 kg)	7,000 (3,175 kg)	53	63	77	40	57	72	99
3,000 (1,360 kg)	6,000 (2,721 kg)	12,000 (5,443 kg)	X	75	85	X	61	73	94

Operating weight, 9975 lbs (4525 kg), includes ROPS, full fuel tank, ½ full water spray tank, and 175 lbs (80 kg) operator.

BW11RH

BW11RH - continuing the tradition of excellence...

The BW11RH pneumatic tired roller is one of the most versatile machines in the Bomag line. This roller achieves its high compaction performance through the combined effect of vertical pressure with the horizontal forces directed to all sides under each of the nine, overlapping tires.

Wheels and frame oscillate to deliver balanced wheel loads and uniform compaction. Further enhancing it's versatility and maneuverability, the BW11RH's hydrostatic, centerpoint, articulated steering delivers a short, nine foot turning radius achieving optimum compaction on tight, curving curblines.

Applications:

- Highway construction and maintenance
- Driveways
- Parking lots
- Chip and seal

BW11RH in action on an asphalt resurfacing application

Dual, center facing seats provide excellent visibility in both travel directions

Handling is Easier & Safer:

- Hydrostatic Steering with automotive type steering wheel provides controlled maneuverability through turns.
- Brakes apply automatically when engine is shut down or with loss of transmission system hydraulic pressure.
- Functional frame design incorporates strategically placed ballast compartments providing a low center of gravity, exceptional stability and uniform weight distribution.
- Standard ROPS/FOPS with seat belts deliver operator safety.
- Operating Safety is further enhanced by adding the optional turn signals and 4-way flashers.

Pneumatic tired models provide maximum versatility

Achieve Maximum Productivity:

- Centerpoint steering allows the wheels to provide full width coverage on turns requiring fewer passes to achieve optimum compaction results.
- Three speed hydrostatic transmission provides maximum gradeability in low range, optimum performance in medium or work range and top production in high range.
- Short, nine foot inside turning radius, accomplished through 35 degree centerpoint articulation, takes compaction up to tight, curving curblines.
- Ten degrees oscillation assures uniform compaction on irregular surfaces.
- Dual, center facing seat cockpit design places controls within easy reach and provides excellent visibility in both travel directions.
- Optional heat retention shields help maintain high tire temperatures, preventing asphalt pickup that could damage the mat.
- The pressurized water spray system provides efficient water usage, extending time between refills.
- The low speed, high torque travel motors provide three operating speed ranges.

Less Service & Maintenance:

The purchase price is important, but so are the operating costs. Check these features:

- Maintenance-free SAHR brakes are an integral part of the travel motors, allowing an emergency/parking brake provision.
- Wide opening engine doors allow easy access for servicing.
- Maintenance and check points are accessible while standing on the ground.
- The heavy duty, centerpoint oscillating and articulating centerjoint provides long life.
- Self-lubricating bushings are virtually maintenance-free.
- The frame is constructed of heavy steel plate to provide maximum strength and durability.

Best for
COMPACTION

Featuring...

Cockpit design places controls within easy reach and provides unobstructed visibility

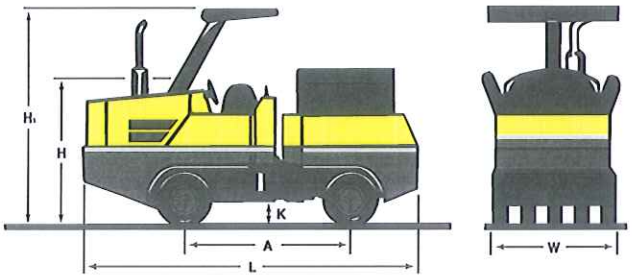
Cocoa mats on each tire help eliminate material pick-up

Easy access means fast servicing

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
BW11RH

Shipping dimensions
in cubic feet (m³) without/with ROPS/FOPS
BW11RH 568.7 (16.1) 824 (23.3)



Dimensions in inches (mm)

	A	H	H1	K	L	W
BW11RH	88 (2235)	78 (1981)	113 (2870)	13 (330)	175 (4445)	68 (1727)

Standard equipment

- ☑ Hydrostatic transmission
- ☑ Tier 4i Cummins Diesel Engine
- ☑ Nine 7.50 x 15, 12 ply tires
- ☑ Fuel gauge
- ☑ Horn
- ☑ Hydrostatic, center articulated steering with ± 10° frame oscillation
- ☑ Rear wheel oscillation:
  ± 4° outside
  ± 5° center
- ☑ Spring-Applied, Hydraulically-Released (SAHR) brakes
- ☑ 150 gallon polyethylene water tank
- ☑ Pressurized water spray system
- ☑ Roll-Over, Falling-Object Protective Structure (ROPS/FOPS) and seat belts

Optional equipment

- ☐ Headlights (front and rear)
- ☐ Turn signals and 4-way flashers
- ☐ Heat retention shields
- ☐ Special paint, 1 color (Enamel only)
- ☐ 14 Ply Tires Radial

Technical data		BOMAG BW11RH
Weights		
Basic/Shipping weight	lb (kg)	9000 (4080)
Operating weight (unballasted)	lb (kg)	9975 (4525)
Operating weight (max. ballasted)	lb (kg)	27000 (12245)
Average wheel load, (max.)	lb (kg)	3000 (1360)
Dimensions		
Working width	in (mm)	68 (1727)
Wheel track overlap	in (mm)	0.5 (12.5)
Height with ROPS/FOPS	in (mm)	113 (2870)
Track radius, inner	in (mm)	108 (2745)
Dimensions		see sketch
Driving Characteristics		
Speed (low)	mph (kmph)	8.0 (12.9)
Speed (medium)	mph (kmph)	10.5 (16.9)
Speed (high)	mph (kmph)	15.5 (25.0)
Drive		
Engine manufacturer		Cummins
Type		4B3.3T
Emissions Standard		Tier 4i
Cooling		water
Number of cylinders		4
Performance SAE J1995	hp (kW)	74 (55)
Speed	rpm	2600 (2600)
Fuel		diesel
Electric equipment	V	12
Drive system		hydrostatic
Driven axles		front
Tires		
Number of tires, front/rear		4/5
Tire size		7.50 x 15, 12 ply
Oscillation of tires rear, outside/center	degrees	4/5
Brakes		
Service brake		hydrostatic
Secondary/Parking brake		SAHR
Steering		
Steering system		oscillating, articulating
Steering method		hydrostatic
Steering angle +/-	degrees	35
Oscillating angle +/-	degrees	10
Water Spray System		
Type of water spray system		pressurized
Capacities		
Fuel	gal (l)	30 (114)
Water	gal (l)	150 (568)
Engine oil	gal (l)	2.5 (9.5)
Hydraulic fluid	gal (l)	28.5 (108)

Technical modifications reserved. Machines may be shown with options.

B48H-3311 3M0912TTPPG

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