

BOMAG

TANDEM VIBRATORY ROLLERS BW 100 AD-3, BW 120 AD-3

PERFORMANCE DATA



Machine type	Compaction output (m ³ /h) at recommended soil layer thicknesses		
	Gravel, sand	mixed soil	Silt, clay
BW 100 AD-3	80-145	55-105	38-73
BW 120 AD-3	85-170	65-125	43-85

Machine type	Compaction output (t/h) at different asphalt layer thicknesses		
	2-4 cm	6-8 cm	10-12 cm
BW 100 AD-3	15-40	40-60	60-100
BW 120 AD-3	20-45	40-70	70-120

BOMAG

Technical Data

Shipping dimensions in m ³	without ROPS	with ROPS
BW 100 AD-3	4,706	6,445
BW 120 AD-3	5,581	7,643

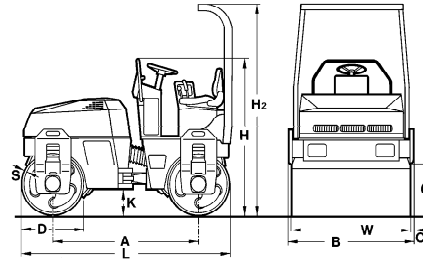
Standard Equipment

- Oscillating artic. center joint
- 2 scrapers per drum
- Suspended operator's platform
- Plastic water tanks
- Gravity water sprinkler system
- Hour meter
- Lockable engine cover
- Lockable anti vandal dashboard protection
- Transport lashing and lifting points front/rear
- Emergency stop button
- Vibration cut-off, rear drum

Optional Equipment

- * ROPS with safety belts
- * Working lights front/rear
- * Seat with contact switch
- Weather protection roof with ROPS
- Weather protection cabin with ROPS
- Edge cutter
- Flow divider
- Indicator and hazard lights
- Rotary beacon
- Back-up alarm
- Pressure sprinkler system
- Biodegradable hydraulic oil
- Special paint
- Tool kit
- Double travel lever
- Foldable ROPS
- Combination air filter
- Laterally sliding seat
- Individual control, vibration front and rear

* Standard delivery with CE conformity (valid within European Union)#72



Dimensions in mm

	A	B	C	D	H	H2	K	L	O	S	W
BW 100 AD-3	1725	1076	555	700	1800	2465	235	2430	38	13	1000
BW 120 AD-3	1725	1276	555	700	1800	2465	235	2430	38	13	1200

Technical Data

Weights

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Operating weight CECE	kg 2.470	2.700
Average axle load CECE	kg 1.235	1.350
Average static linear load CECE	kg/cm 12,4	11,3

Dimensions

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Length with ROPS	mm 2.475	2.475
Track radius, inner	mm 2.720	2.620

Driving Characteristics

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Max. working speed with vibration	km/h 0- 5,5	0- 5,5
Max. travel speed	km/h 0- 10,0	0- 10,0
Max. gradeability without/with vibr.	% 40/30	40/30

Drive

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Engine manufacturer	Deutz	Deutz
Type	F2L 2011	F2L 2011
Cooling	air	air
Number of cylinders	2	2
Performance ISO 9249	kW 21,8	21,8
Speed	min-1 2.800	2.800
Performance SAE J 1349	kW 21,8	21,8
Speed	min-1 2.800	2.800
Speed adjustment 1	min-1 2.500	2.500
Speed adjustment 2	min-1 3.000	3.000
Electric equipment	V 12	12

Brakes

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Service brake	hydrot.	hydrot.
Parking brake	hydromec.	hydromec.

Steering

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Steering system	oscil.artic.	oscil.artic.
Steering method	hydrot.	hydrot.
Steering angle +/-	grad 30	30
Oscillating angle +/-	grad 12	12

Exciter system

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Vibrating drum	front + rear	front + rear
Drive system	hydrot.	hydrot.
Frequency	Hz 55/66	55/66
Amplitude	mm 0,53	0,53
Centrifugal force	kN 24/35	29/42

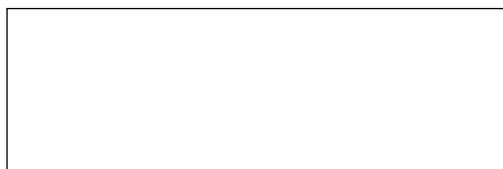
Sprinkler System

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Type of sprinkling	gravity	gravity

Capacities

	BOMAG BW 100 AD-3	BOMAG BW 120 AD-3
Fuel	l 35	35
Water	l 180	180

Technical modifications reserved. Machines may be shown with options.



BOMAG
 Hellerwald
 D-56154 Boppard
 P.O. Box 5162
 Tel. (0)6742 - 1000
 Fax (0)6742 - 3090
 Fax (0)6742 - 3090

BOMAG