

BOMAG

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

PERFORMANCE DATA



Machine type	Compaction output (m ³ /h) (layer thickness) at recommended soil layer thicknesses		
	Crushed stone (0,20 m)	Gravel, sand (0,30 m)	mixed soil (0,25 m)
BW 100 AD-3	55-105	75-145	70-130
BW 120 AD-3	65-125	85-170	75-150

Machine type	Compaction output (t/h) at different asphalt layer thicknesses			
	2 cm	4 cm	8 cm	12 cm
BW 100 AD-3	15-25	20-40	40-60	58-110
BW 120 AD-3	20-30	25-45	50-70	70-125

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TECHNICAL DATA

Shipping dimensions in m3

BW 100 AD-3

BW 120 AD-3

without ROPS with ROPS

4,696

6,564

5,569

7,784

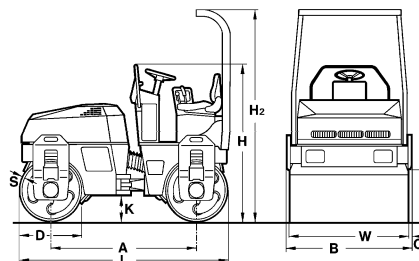
Standard Equipment

- ☒ 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)



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	2425	38	13	1000
BW 120 AD-3	1725	1276	555	700	1800	2465	235	2425	38	13	1200

Technical data

Weights

Operating weight CECE	kg	2470	2700
Average axle load CECE	kg	1235	1350
Average static linear load CECE	kg/cm	12,4	11,3

Dimensions

Length with ROPS	mm	2475	2475
Track radius, inner	mm	2720	2620
Dimensions		see sketch	see sketch

Driving Characteristics

Max. working speed with vibration	km/h	0-5,5	0-5,5
Max. travel speed	km/h	0-10	0-10
Max. gradeability without/with vibr.	%	40/30	40/30

Drive

Engine manufacturer		Deutz	Deutz
Type		F2L 1011 F	F2L 1011 F
Cooling		air	air
Number of cylinders		2	2
Performance ISO 9249	kW	22	22
Speed	min-1	3000	3000
Performance SAE J 1349	kW	22	22
Speed	min-1	3000	3000
Speed adjustment 1	min-1	2500	2500
Speed adjustment 2	min-1	3000	3000
Electric equipment	V	12	12

Brakes

Service brake		hydropst.	hydropst.
Parking brake		hydromec.	hydromec.

Steering

Steering system		oscil.artic.	oscil.artic.
Steering method		hydropst.	hydropst.
Steering angle +/-	degr.	30	30
Oscillating angle +/-	degr.	12	12

Exciter system

Vibrating drum		front + rear	front + rear
Drive system		hydropst.	hydropst.
Frequency	Hz	55/66	55/66
Amplitude	mm	0,52	0,53
Centrifugal force (each drum)	kN	23/34	29/41

Sprinkler System

Type of sprinkling		gravity	gravity
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Capacities

Fuel	l	35	35
Water	l	180	180

Technical modifications reserved. Machines may be shown with options.

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