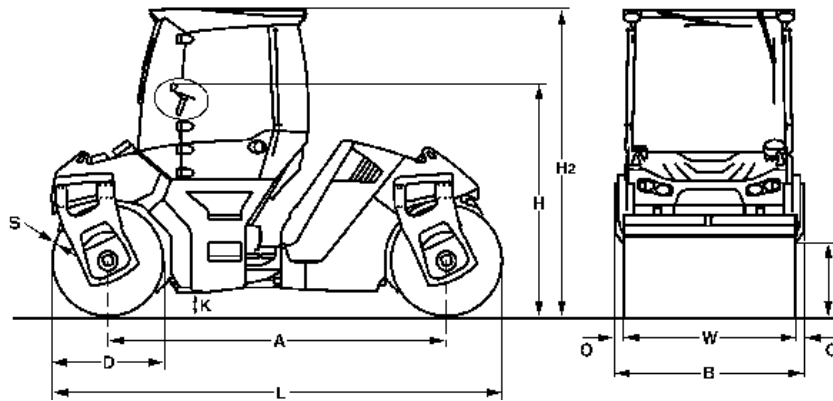


# TECHNICAL DATA

TANDEM ROLLER

BW 161 AD-50 AM, BW 191 AD-50 AM, BW 206 AD-50 AM





**Dimensions in mm**

	A	B	C	D	H	H2	K	L	O	S1	S2	W
<b>BW 161 AD-50 AM</b>	3620	1836	670	1220	2315	3050	250	4840	78	19	17	1680
<b>BW 191 AD-50 AM</b>	3900	2178	760	1400	2364	3098	250	5300	89	22	19	2000
<b>BW 206 AD-50 AM</b>	3900	2313	760	1400	2364	3098	250	5300	89	22	19	2135

**Shipping dimensions in m3**

**BW 161 AD-50 AM**  
**BW 191 AD-50 AM**  
**BW 206 AD-50 AM**

**without ROPS**

20,572  
 27,289  
 28,980

**with ROPS**

27,103  
 35,761  
 37,978

Machine type	Compaction output (m3/h) at recommended soil layer thicknesses		
	Gravel, sand	Mixed soil	Silt, clay
BW 161 AD-50 AM	180-340	150-280	110-180
BW 191 AD-50 AM	280-320	200-380	160-240
BW 206 AD-50 AM	300-570	220-420	170-270

Machine type	Compaction output (t/h) at different asphalt layer thicknesses		
	2-4 cm	6-8 cm	10-14 cm
BW 161 AD-50 AM	60-130	100-230	160-280
BW 191 AD-50 AM	120-220	200-250	320-400
BW 206 AD-50 AM	130-230	210-270	340-430

## Technical Data

### BOMAG BW 161 AD-50 AM

### BOMAG BW 191 AD-50 AM

### BOMAG BW 206 AD-50 AM

#### Weights

Operating weight CECE w. ROPS-cabin	kg	10.200	13.900	14.500
Grossweight .....	kg	11.500	15.000	16.000
Axle load, front CECE .....	kg	5.300	7.050	7.350
Axle load, rear CECE .....	kg	4.900	6.850	7.150
Static linear load, front CECE .....	kg/cm	31,6	35,3	34,4
Static linear load, rear CECE .....	kg/cm	29,2	34,3	33,5

#### Dimensions

Track radius, inner .....	mm	4.900	5.190	5.117
Length (without towing hitch) .....	mm	4.840	5.300	5.300

#### Driving Characteristics

Max. travel speed .....	km/h	0- 12,0	0- 12,0	0- 12,0
Max. gradeability without/with vibr. ....	%	40/30	35/30	35/30

#### Drive

Engine manufacturer .....		Deutz	Deutz	Deutz
Type .....		BF4M 2012 C	BF4M 2012 C	BF4M 2012 C
Emission stage .....		Stage II / TIER2	Stage II / TIER2	Stage II / TIER2
Cooling .....		Liquid	Liquid	Liquid
Number of cylinders .....		4	4	4
Performance ISO 14396 .....	kW	103,0	103,0	103,0
Performance SAE J 1995 .....	hp	138,0	138,0	138,0
Speed .....	min-1	2.500	2.500	2.500

#### Brakes

Service brake .....		hydrost.	hydrost.	hydrost.
Parking brake .....		multi disc	multi disc	multi disc

#### Steering

Steering system .....		oscil.artic.	oscil.artic.	oscil.artic.
-----------------------	--	--------------	--------------	--------------

#### Exciter system

Vibrating drum .....		rear	rear	rear
Autom. vibr. shut off .....		standard	standard	standard
Frequency .....	Hz	46/45	46/45	46/45
Amplitude .....	mm	0,87/0,44	0,94/0,44	0,92/0,42
Centrifugal force .....	kN	97/51	129/95	129/95
Centrifugal force .....	t	9,9/5,2	13,1/9,7	13,1/9,7

#### Vario system

ASPHALT MANAGER .....		front	front	front
Frequency .....	Hz	46	46	46
Amplitude directed .....		autom./variable	autom./variable	autom./variable
Amplitude .....	mm	0- 0,92	0- 0,87	0- 0,85
Centifugal force .....	kN	152	200	200
Centifugal force .....	t	15,5	20,4	20,4

#### Capacities

Fuel .....	l	145,0	165,0	165,0
Water .....	l	750,0	970,0	970,0

Technical modifications reserved. Machines may be shown with options.

### Standard Equipment

- ASPHALT MANAGER 2
- Highly wear resistant AM drum
- Oscillation mode
- 2 amplitudes / 2 frequencies rear
- Autom. vibration operation
- Individual vibration control
- Emergency stop button
- V-belt protection
- Pressure sprinkling system with 2 pumps
- Back-up alarm
- Battery disconnect switch
- Compartments for documents and tools
- BOMAG OPERATION PANEL (BOP)
- EVIB-Control panel
- Asphalt temperature display

### Optional Equipment

- ROPS cabin with seat belts
  - + heating, Ventilation
  - + 4 Working head lights
- ROPS cabin with air conditioning
- ROPS/FOPS
- Rotary beacon
- Crab-walk to both sides (170mm)
- 2 LED-lights for cabin roof (flatbeam)
- Edge cutter
- Radio/Radio preparation
- Printer for ASPHALT MANAGER 2
- Lighting for drum edge front and rear
- BOMAG TELEMATIC
- Outside mirrors
- BOMAP compaction navigation with GPS

