

BOMAG

Tandem Vibratory Rollers

BW190AD-4 AM



**INTELLIGENT
COMPACTION™**



ASPHALTIC CONCRETE (material weight 140 lb/cu ft)						
# passes	rolling speed (mph)	area coverage sq yd/hr	“productivity in tons/hr by lift thickness, 100% efficiency”			
			1.5 inches	2 inches	2.5 inches	3 inches
2	3.41	6560	517	690	862	1035
3	3.41	4373	345	460	575	690
4	3.41	3280	259	345	431	517
5	3.41	2624	207	276	345	414
6	3.41	2187	172	230	287	345

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 10 impacts per foot at high vibration frequency setting. Actual compaction efficiency is determined by job conditions.

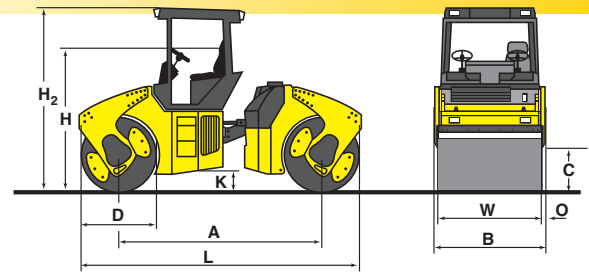
Technical Specifications

BW190AD-4 AM

Shipping dimensions

in cubic feet (m³) without/with ROPS

BW 190AD-4 AM 799.9 (22.65) 1034.4 (29.29)



Dimensions in inches (mm)

	A	B	C	D	H	H ₂	K	L	O	W
BW190AD-4 AM	129.9 (3300)	85.04 (2160)	28.15 (715)	48.03 (1220)	91.34 (2320)	118.11 (3000)	13.78 (350)	177.95 (4520)	3.15 (80)	78.74 (2000)

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 2 spray pumps
- Folding scraper design
- 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
 - + outside mirror
- Rotary beacon
- Edge cutter
- Special painting
- Environmentally friendly oil

Technical data

Weights

Basic Weight with ROPS	lbs (kg)	
Operating Weight	lbs (kg)	
Axle load (front)	lbs (kg)	
Axle load (rear)	lbs (kg)	
Average static linear load	frt. pli (kg/cm)	
Average static linear load	rr. pli (kg/cm)	

Dimensions

Track Radius, inner	in (mm)	
Dimensions		see sketch

Driving Characteristics (depending on site conditions)

Speed (1)	mph (kmph)	
Speed (2)	mph (kmph)	
Max. gradeability	%	

Drive

Engine manufacturer		Deutz
Type		BF4M 2012 C
Cooling		water
Number of cylinders		4
Performance SAE J1349	hp (kW)	131 (98)
Speed	rpm	2300
Fuel		diesel
Electric Equipment	V	12
Drive System		hydrostatic
Drum Driven		f + r

Brakes

Service brake		hydrostatic
Parking brake		multi disc

Steering

Steering system		oscillating, articulating
Steering method		hydrostatic
Lateral displacement right/left	in (mm)	6.7 (170)

Vario system (Front Drum)

Variomatic drum		f
Amplitude directed	in (mm)	automatic/variable
Amplitude	in (mm)	0.037 (0.93)
Frequency - (low/high)	vpm (Hz)	2400/3000 (40/50)
Centrifugal force - (low/high)	lbs (kN)	35550/55575 (158/247)

Vibratory system (Rear Drum)

Vibrating drum		r
Drive system		hydrostatic
Frequency - (low/high)	vpm (Hz)	2760/3420 (46/57)
Amplitude - (low/high)	in (mm)	.015/.034 (0.37/0.86)
Centrifugal force - (low/high)	lbs (kN)	24525/37575 (109/167)

Water Spray System

Type of system		pressurized
Back-up system		2nd pump

Capacities

Fuel	gal (l)	52.8 (200)
Water	gal (l)	264.2 (1000)
Engine Oil	gal (l)	2.5 (9.5)

Technical modifications reserved. Machines may be shown with options.

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BW190 AD-4 AM

Basic Weight	lbs (kg)	26191 (11880)
Operating Weight	lbs (kg)	26896 (12200)
Axle load (front)	lbs (kg)	13812 (6256)
Axle load (rear)	lbs (kg)	13084 (5935)
Average static linear load	frt. pli (kg/cm)	175.5 (30.5)
Average static linear load	rr. pli (kg/cm)	166.3 (28.9)

166.93 (4240)

see sketch

0-3.5 (0-5.7)

0-7.0 (0-11.3)

40

Deutz

BF4M 2012 C

water

4

131 (98)

2300

diesel

12

hydrostatic

f + r

hydrostatic

multi disc

oscillating, articulating

hydrostatic

6.7 (170)

f

automatic/variable

0.037 (0.93)

2400/3000 (40/50)

35550/55575 (158/247)

r

hydrostatic

2760/3420 (46/57)

.015/.034 (0.37/0.86)

24525/37575 (109/167)

pressurized

2nd pump

52.8 (200)

264.2 (1000)

2.5 (9.5)



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