

## 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.

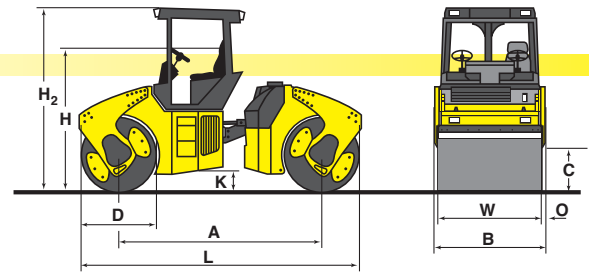
# Technical Specifications

## BW190AD-4 AM

### Shipping dimensions

in cubic feet (m<sup>3</sup>) 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 <sub>2</sub>	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)

### 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	
Type	
Cooling	
Number of cylinders	
Performance SAE J1349	hp (kW)
Speed	rpm
Fuel	
Electric Equipment	V
Drive System	
Drum Driven	

#### Brakes

Service brake	
Parking brake	

#### Steering

Steering system	
Steering method	
Lateral displacement right/left	in (mm)

#### Vario system (Front Drum)

Variomatic drum	
Amplitude directed	in (mm)
Amplitude	in (mm)
Frequency - (low/high)	vpm (Hz)
Centrifugal force - (low/high)	lbs (kN)

#### Vibratory system (Rear Drum)

Vibrating drum	
Drive system	
Frequency - (low/high)	vpm (Hz)
Amplitude - (low/high)	in (mm)
Centrifugal force - (low/high)	lbs (kN)

#### Water Spray System

Type of system	
Back-up system	

#### Capacities

Fuel	gal (l)
Water	gal (l)
Engine Oil	gal (l)

Technical modifications reserved. Machines may be shown with options.

### BOMAG

#### BW190 AD-4 AM

Basic Weight	26191 (11880)
Operating Weight	26896 (12200)
Axle load (front)	13812 (6256)
Axle load (rear)	13084 (5935)
Average static linear load	175.5 (30.5)
Average static linear load	166.3 (28.9)
Track Radius, inner	166.93 (4240)
Dimensions	see sketch
Speed (1)	0-3.5 (0-5.7)
Speed (2)	0-7.0 (0-11.3)
Max. gradeability	40
Engine manufacturer	Deutz
Type	TCD 2012 L04
Cooling	water
Number of cylinders	4
Performance SAE J1349	134 (100)
Speed	2300
Fuel	diesel
Electric Equipment	12
Drive System	hydrostatic
Drum Driven	f + r
Service brake	hydrostatic
Parking brake	multi disc
Steering system	oscillating, articulating
Steering method	hydrostatic
Lateral displacement right/left	6.7 (170)
Variomatic drum	f
Amplitude directed	automatic/variable
Amplitude	0.037 (0.93)
Frequency - (low/high)	2400/3000 (40/50)
Centrifugal force - (low/high)	35550/55575 (158/247)
Vibrating drum	r
Drive system	hydrostatic
Frequency - (low/high)	2760/3420 (46/57)
Amplitude - (low/high)	.015/.034 (0.37/0.86)
Centrifugal force - (low/high)	24525/37575 (109/167)
Type of system	pressurized
Back-up system	2nd pump
Fuel	52.8 (200)
Water	264.2 (1000)
Engine Oil	2.5 (9.5)

### 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