

## Single Directional Vibratory Plates

### BP10/36-2, BP18/45-2



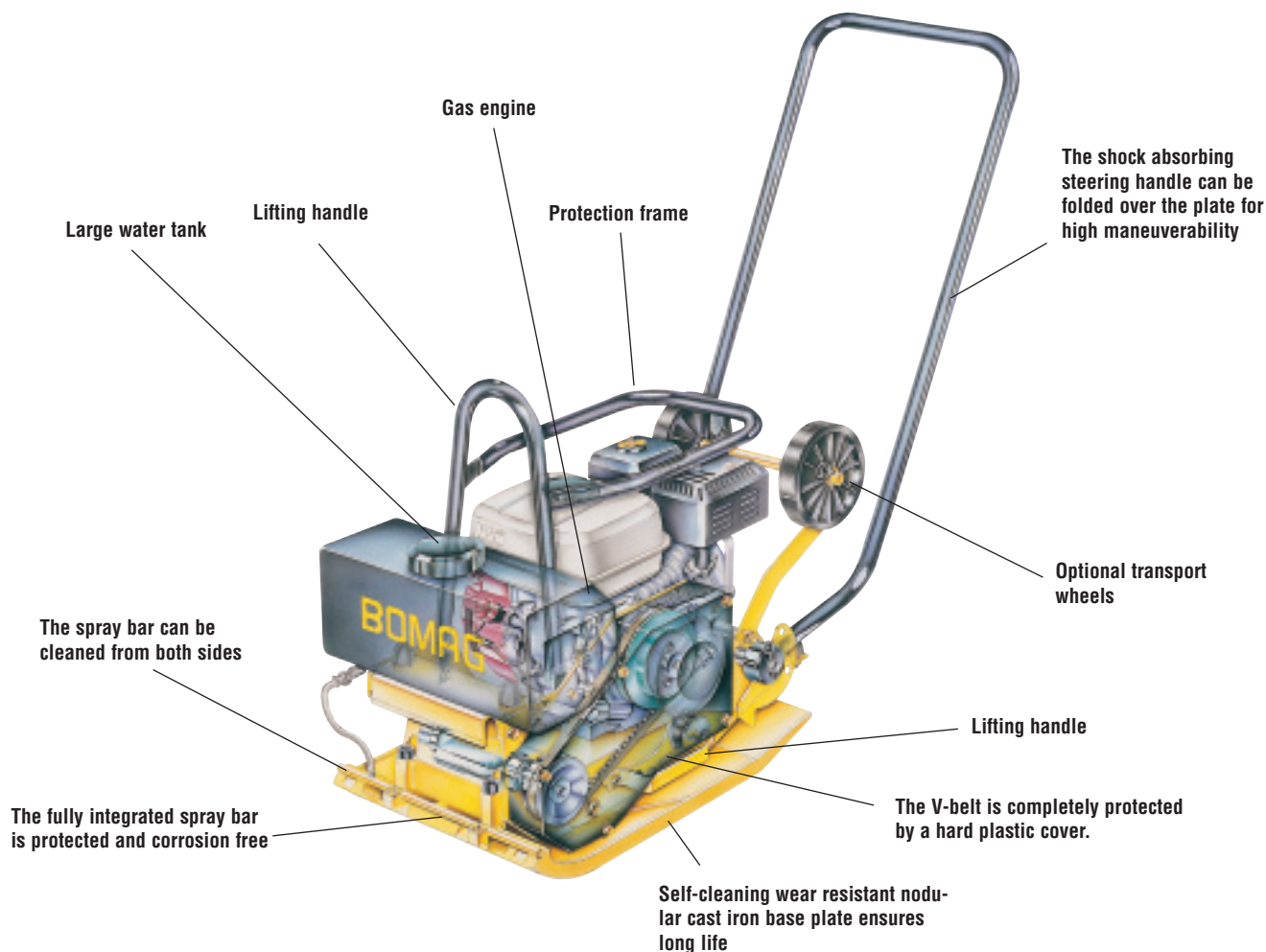
MODEL	Compaction Output (cu. yd/h) at recommended soil layer thickness.*		
	Gravel, Sand	Mixed Soils	Silt, Clay
BP10/36-2	14.4 - 20.9	14.4 - 20.9	—
BP18/45-2	22.2 - 30.1	18.3 - 26.2	—

MODEL	Compaction Output (t/h) at different asphalt layer thickness.*		
	1 in.	2 in.	3 in.
BP10/36-2	5.5	9.9	14.3
BP18/45-2	6.6	11.6	16.5

\* Compaction output influenced by soil/material type and moisture content.



# BP10/36-2, BP18/45-2



## ■ *Featuring a range of plates and options to suit all your light compaction needs...*

The Bomag range of single direction vibratory plates are designed to meet the needs of today's contractors. Suitable for use on granular soils and bituminous materials as well as paving blocks, the BP10/36-2 and BP18/45-2 plates feature a shock-absorbing handle to minimize vibration feedback and maximize productivity. The long, thick base plates with extended radius provide enhanced stability and better compaction along walls or curbs. These features combined with the compact design, excellent maneuverability, reliability and ease of operation make these plate compactors the ideal choices for a variety of confined space and light duty projects.

### ■ Applications:

- Trench applications
- Road construction
- Backfill and foundation work



*Excellent performance on granular materials*



Compacting paving blocks with vulcolan mat

#### ■ Handling is Easier & Safer:

- The shock-absorbing steering handle minimizes harmful vibration feedback to the operator, reducing fatigue.
- Loading and positioning is easy using the central lifting point of the engine protective cage.
- The engine protective cage reduces damage at the job-site and during transport.
- A weather resistant operating instruction decal informs inexperienced operator's of the best method for proper operation.
- The optional transport wheels allow for one-man movement around the job-site.

## *Advanced design provides enhanced stability and maneuverability*

#### ■ Achieve Maximum Productivity:

- The self-cleaning design of the base plate reduces the possibility of material build-up on the plate surface.
- The edges of the base plate are designed to prevent surface marking, particularly when used on asphalt applications.
- The optional water spray system constructed of non-corrosive materials, has the tank specially mounted to the engine protective frame providing for quick removal and installation.
- The optional vulcolan mat and water spray system provide for increased application versatility.
- When used for the compaction of paving block, the optional vulcolan mat reduces material damage.



The exciter is oil lubricated and the housing is fully sealed.

#### ■ Less Service & Maintenance:

- The bolt-on exciter mechanism is oil lubricated, totally sealed and maintenance free.
- The fully enclosed V-belt drive system ensures long life and trouble-free operation even under the most extreme conditions.
- Routine maintenance is eliminated with the exception of periodic engine oil change and cleaning of the engine air filter as-required.
- The exciter assembly bearings are maintenance free.
- The exciter drive system incorporates a simple centrifugal clutch for reliability and long life.

*Best for*  
**COMPACTION**

## *Featuring...*



The water tank is fixed without screws for quick and easy removal



Quick-fit vulcolan mat



Operating decal illustrates proper operation methods

*With these features and many more, it's easy to see why these models maintain a high residual value while delivering lower lifetime operating costs.*

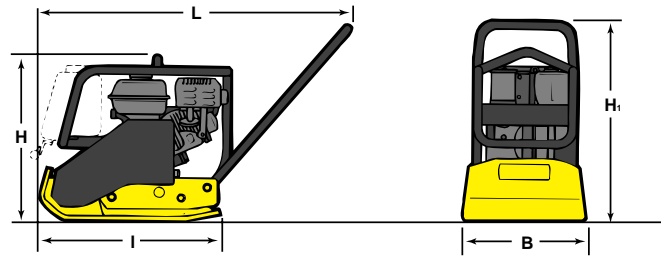
# Technical Specifications

## BP10/36-2, BP18/45-2

### Shipping dimensions

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

BP 10/36-2	7.24	(0.205)
BP 18/45-2	9.04	(0.256)



### Standard Equipment

- Honda engine with oil alert
- Removable, vibration isolated steering handle
- Wear resistant base plate with reinforced sides
- Engine protection frame
- Balanced lifting point
- Centrifugal clutch
- Fully enclosed V-belt
- Lifetime lubricated vibration bearings
- Vibration isolated engine
- Self-cleaning base plate

### Optional Equipment

- Water sprinkler system
- Transport wheels
- Vulcolan mat

### Dimensions in inches (mm)

	H	H <sub>1</sub>	L	I	B
BP 10/36-2	21.1 (535)	36.0 (915)	43.9 (1115)	22.0 (558)	14.2 (360)
BP 18/45-2	21.1 (535)	36.0 (915)	43.9 (1115)	22.0 (558)	17.7 (450)

### Technical data

#### Weights

		BOMAG BP 10/36-2	BOMAG BP 18/45-2
Basic Weight	lbs (kg)	145 (66)	195 (89)
Operating Weight	lbs (kg)	150 (68)	200 (91)
Surface load	lb/in <sup>2</sup> (kg/m <sup>2</sup> )	0.81 (572)	0.89 (624)

#### Dimensions

Dimensions	see sketch	see sketch
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#### Driving Characteristics (depending on site conditions)

Working speed max.	ft / min (m / min)	82.0 (25)	82.0 (25)
Max. gradeability	%	30	30

#### Drive

		BOMAG BP 10/36-2	BOMAG BP 18/45-2
Engine manufacturer		Honda	Honda
Type		GX 120	GX 160
Cooling		Air	Air
Number of cylinders		1	1
Performance ISO 9249	hp (kW)	4.0 (3.0)	5.5 (4.1)
Speed	rpm	3600	3600
Performance SAE	hp (kW)	4.0 (3.0)	5.5 (4.1)
Speed	rpm	3600	3600
Drive system		mechanical	mechanical
Fuel		gasoline	gasoline

#### Vibratory system

Frequency	vpm (Hz)	5400 (90)	5400 (90)
Centrifugal force	lbs (kN)	2250 (10)	4050 (18)

#### Capacities

Fuel	gal (l)	0.66 (2.5)	0.98 (3.7)
Water	gal (l)	2.6 (10)	2.6 (10)

Technical modifications reserved. Machines may be shown with options.

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