



Portable Power

Light Compaction | Product Range



Vibratory Plate Compactors

Productive compactors offer versatility and reliability

The three Doosan Portable Power single direction **vibratory plates**, BX-60WH, BX-80WH and BX-120WH, are designed to **compact efficiently granular soils, crushed aggregates and hot mix asphalt**. Each time the eccentric rotates, a stress wave is generated, travelling into the ground. This vibration sets the soil particles in motion, **breaks down the soil**, and the particles are rearranged to achieve proper density.

Powerful Performance

- Shock-mounted, 4-cycle Honda engine with recoil start
- Adjustable operator handles with padded grips
- Removable eccentric housing for ease and economy of repair
- Engine protection cage with integrated lifting bail
- Oil bath exciter bearing lubrication to eliminate the need for routine greasing
- Handle-mounted ratchet-type throttle control for safe use and easy operation
- Standard gravity-fed water sprinkler system for compaction of hot mix asphalt

Applications

- Compacting backfill along and beneath foundations and in utility trenches
- Landscape and structural soil compaction
- Gravel driveway and walkway compaction
- Compacting interlocking brick and decorative stone
- Small hot mix asphalt jobs such as driveway paving and pothole repair

Vibratory Plates	BX-60WH	BX-80WH	BX-120WH
Operating weight	70 kg	90 kg	100 kg
Plate size (W x L)	430 x 565 mm	500 x 565 mm	550 x 570 mm
Centrifugal force	15.3 kN	18 kN	25.4 kN
Frequency	93.3 Hz	93.3 Hz	93.3 Hz
Engine	Honda 2.6 kW	Honda 3.7 kW	Honda 3.7 kW
CPN	13207410	13207451	13207493



Reversible Plate Compactor

The Doosan Portable Power BXR-100H reversible plate is designed for efficient compaction of sand, gravel and mixed soils in applications where turning around is difficult or impossible. The reversing feature allows the operator to enter and exit from a confined work space along the same path.

Powerful Performance

- Shock-mounted, 4-cycle Honda engine with recoil start
- Single forward/reverse control lever
- High position handle aids manoeuvring around obstacles
- Heavy-duty, sealed exciter bearings for reduced maintenance and higher centrifugal force
- Engine protection cage with integrated lifting bail protecting the unit from vibration and shock
- Sealed exciter bearings and eccentric mechanisms designed for smooth reversing operation

Applications

- Backfilling along foundations and in footings
- Compacting utility trenches where the reversible feature allows the unit to be backed out
- Gravel driveway and walkway compaction
- Compacting interlocking brick and decorative stone
- General contractors, home builders and utility contractors
- Driveway pavers, sidewalk and walkway paving crews
- Pothole repair contractors, deck and patio contractors

Reversible Plate	BXR-100H
Operating weight	150 kg
Plate size (W x L)	390 x 630 mm
Centrifugal force	24.5 kN
Frequency	70 Hz
Engine	Honda 3.7 kW
CPN	59291625



Walk-Behind Double Drum Rollers

Smooth, efficient compaction in complex applications

Designed for **high productivity** and **ease of use**, the DX-500E and DX-700E walk-behind double drum rollers complete the current line-up of Doosan Portable Power light compaction equipment. The standard water sprinkler system makes these units **ideal for compaction of hot mix asphalt** as well as **granular soils** or **aggregates**. Optimum performance is assured by the right combination of centrifugal force, static weight, drum diameter, rolling width and frequency.

Powerful Performance

- Powered by rugged, reliable, liquid-cooled Kubota diesel engines with electric start
- Both drums drive for excellent traction
- Front and rear scrapers for each drum
- Fold-up guide handle and centre-mounted lifting hook
- For increased operator safety, the handle has a deadman control and a reverse contact shutdown control, which stops machine reverse travel when engaged

Applications

- Parking lots
- Asphalt patch and repair work
- Foundations
- Trench work (sewer, gas, cable, electric)
- Walkways and sidewalks

Double-Drums	DX-500E	DX-700E
Operating weight	590 kg	742 kg
Drum width	575 mm	650 mm
Centrifugal force	11.8 kN	20.0 kN
Frequency	55 Hz	55 Hz
Engine	Kubota 3.7 kW	Kubota 4.5 kW
CPN	59291716	59291732



Upright rammers

Charged with industry-leading impact forces

The low profile, low weight and low centre of gravity make the Doosan Portable Power RX-264H and RX-344H rammers your best choice for [backfilling](#) and [narrow trench compaction](#) applications.

A self-balancing design ensures [minimal effort to operate](#) the units, whilst the vibration absorbing grips and engine cover [reduce vibration](#) feedback and work noise, respectively.

Powerful Performance

- Honda 4-cycle engine with recoil start, specially designed for high vibration work
- 600 - 650 blows per minute, with 4 - 10 cm stroke
- Durable wooden foot, reinforced with a heavy steel plate to prevent chipping
- Oil-splash lubrication keeps internal parts lubricated and reduces maintenance time and costs
- Ratchet-type throttle ensures constant engine speed
- Padded operator handle makes the unit operator-friendly and easy to control
- Removable engine cover protects components from damage, muffles noise and still allows easy access
- Frame-mounted handle and rollers aid loading and unloading from a truck or trailer

Applications

- Compacting cohesive soils, mixed soils and heavy clay
- Compacting backfill in narrow trench applications
- Compacting pipe, manhole, and utility trenches
- Compacting soil to hold structural wall components
- Driveway pavers, sidewalk and walkway paving crews

Upright Rammers	RX-264H	RX-344H
Operating weight	58 kg	72 kg
Shoe size (W x L)	230 x 330 mm	270 x 330 mm
Centrifugal force	10.0 kN	12.7 kN
Frequency	600 - 650	600 - 650
Engine	Honda 2.2 kW	Honda 2.9 kW
CPN	13333448	13333463



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More than Light Compaction



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