



**The RPC Range has been designed to offer cost-effective compaction solutions for the toughest environments. Effective compaction, easy servicing and efficient operation are essential to the overall design.**

**Effective Compaction**

Vibration frequency and amplitude are optimised to give the highest compaction on a wide range of materials.

Constant high output force is maintained during on-spot compaction. Variable forward and reverse control allows effective use in all areas.

**Easy Servicing**

Compared with other machines the RPC Range offers the best in serviceability. The machine opens up completely for easy access to service points. The side panels are simple to remove, allowing easy access for routine maintenance.

The vibrator drive is virtually maintenance free. The design incorporates high specification, durable components.

The lock up handle can be raised into the vertical position for storage and the central lifting point offers easy, safe loading.

**Efficient Operation**

The RPC Range is designed with the operator in mind. Excellent ergonomics allow easy operation, with controls positioned for minimum effort.

Operators can achieve maximum performance with limited effort, due to the carefully balanced power to weight ratio.

Low hand-arm vibration keeps operators comfortable for longer and reduces the risk of long-term injury.

*The RPC Range is designed for durability, using highest engineering standards and quality components.*



**The RPC Range Options**



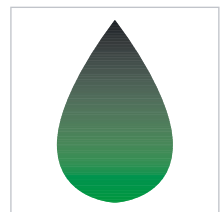
Extension plates



Transporter wheels



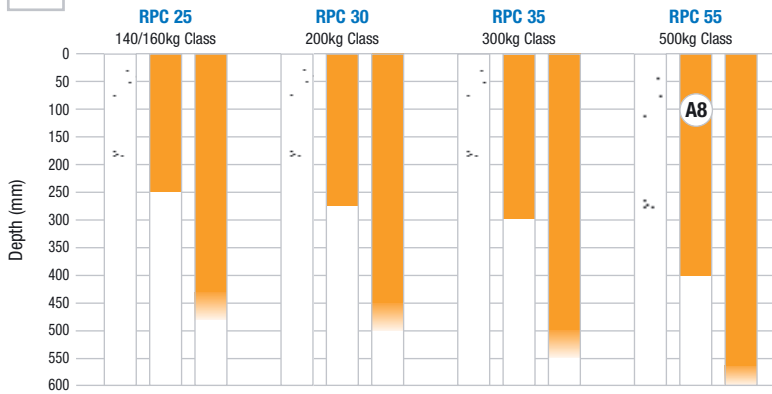
Petrol (gasoline) / diesel option



Biodegradable oil

## RPC Reversible Plate Compactors

	140 Class		160 Class		200 Class		300 Class			550 Class	
MODEL	25/40	25/40D	25/50	25/50D	30/50	30/50D	35/60	35/60D	35/60DE	55/80D	55/80DE
Engine	Honda GX160	Diesel Hatz IB20	Honda GX160	Diesel Hatz IB20	Honda GX160	Diesel Hatz IB20	Honda GX270	Diesel Hatz IB30	Diesel Hatz IB30	Diesel Hatz ID50	Diesel Hatz ID50
Dimensions L x W x H	(mm) (in) 1150 x 400 x 1050 45 x 16 x 41		(mm) (in) 1150 x 500 x 1050 45 x 20 x 41		(mm) (in) 1150 x 500 x 1050 45 x 20 x 41		(mm) (in) 1460 x 450 x 1050 58 x 18 x 41			(mm) (in) 1650 x 500 x 1050 65 x 20 x 41	
Plate Size	(mm) (in) 400 x 647 16 x 26		(mm) (in) 500 x 647 20 x 26		(mm) (in) 500 x 647 20 x 26		(mm) (in) 450 x 831 18 x 33			(mm) (in) 500 x 831 20 x 33	
Operating Weight	(kg) (lbs) 142 313	156 344	146 322	160 353	172 380	185 408	232 511	240 529	255 562	460 1014	500 1102
Engine Power	(hp/kW) 5.5/4 4.2/3.1		5.5/4 4.2/3.1		5.5/4 4.2/3.1		9/6.7 6.3/4.7 6.3/4.7			10/7.5 10/7.5	
Centrifugal Force	(kN) (lbf) 25 5620	25 5620	25 5620	25 5620	30 6744	30 6744	35 7868	35 7868	35 7868	55 12364	55 12364
Frequency	(Hz) 95 95		95 95		90 90		85 85 85			64 64	
Forward Speed	(m/min) (ft/min) 22 72		21 69		20 66		19 62			20 66	
Dimensions with Extension Plates	(mm) (in)						(2 x 75mm) 600 x 831 (2 x 3in) 24 x 33			650 x 831 26 x 33	
Dimensions with Extension Plates	(mm) (in)						(2 x 150mm) (2 x 6in)			800 x 831 32 x 33	



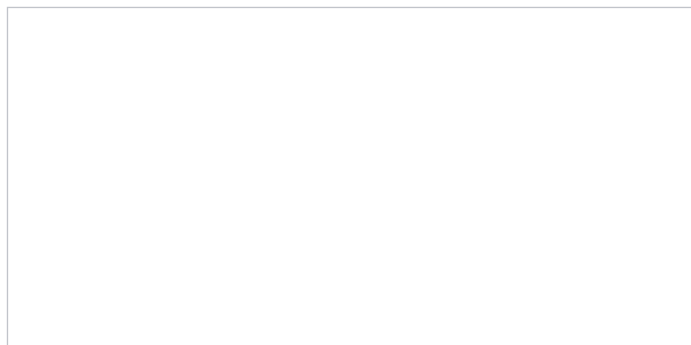
This information is given as a comparative guide. Compaction is dependent on the specific material and surrounding ground conditions.



**Belle Group Test Centre, Sheen UK.**  
Dedicated test facility maintains standards across the range. Supported by over 30 years of machinery design and performance data.  
**Belle Group Machinery - Approved to Perform.**

- Subbase base / Gravel
  - Sand / Gravel
  - Max Layer Depth
  - Max Compaction Depth
- A8** Layer Depth for U.K. Streetworks (NRSWA) HAUC Specification Appendix A8

### Additional Compaction products: Rammers, Plate Compactors



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820-REV-GB

compaction

reversible plate  
compactors



# compaction

## First Choice for Compaction...

Belle Group have an excellent reputation with a comprehensive range of light compaction equipment. Belle now offer the leading edge in compaction technology across the range including a full range of reversible plate compactors.

## RPC Reversible Plate Compactors

The extensive range covers all categories from 140kg up to 500kg with 11 models available to suit every application.

Designed to meet the toughest demands of contractors and the rental industry. These heavy duty performers offer the highest levels of compaction, with minimum dead-weight.

Heavy-duty compaction performance is achieved with a unique design and optimum vibrator force.

Advanced engineering has introduced stylish plates with easy operation, engine protection and the best in compaction performance.



## The RPC Range Features

- Easy to manoeuvre - fast travel speed
- Powerful compaction force
- Quality components - wear resistant base plate
- Proven performance - reliable hydraulics
- Excellent combination of frequency and amplitude
- In-built safety - low hand-arm vibration for long, safe operation
- Environment friendly - low noise emissions, biodegradable oil option
- Handle incorporates hydraulic servo-control for smooth speed and direction control
- Strong machine design - heavy-duty frame gives engine protection
- Effective, robust side panels for added protection during trench work



Good service access



Accessibility



Easy travel controls



Quality engineering



**140-200 Class**

**140 Class**

- 25/40 petrol Honda
- 25/40D diesel Hatz
- Two models up to 156kg
- Excellent compaction force, 25kN

**160 Class**

- 25/50 petrol Honda
- 25/50D diesel Hatz
- Two models up to 169kg
- Excellent compaction force, 25kN

**200 Class**

- 30/50 petrol Honda
- 30/50D diesel Hatz
- Two models up to 240kg
- Most common application model
- Outstanding compaction force, 30kN



**300 Class**

**300 Class**

- 35/60 petrol Honda
- 35/60D diesel Hatz
- 35/60DE diesel Hatz electric start
- Three models up to 320kg
- Outstanding compaction force, 35kN
- Extension plates available for 600mm width
- Excellent travel speed

## Heavy-duty Reversible Plate Compactors

The RPC 55/80 Heavy-duty Reversible Plate Compactor sets new standards for performance and reliability with the highest compaction force.

Designed to offer the best operator protection, the RPC 55/80 provides operators with optimum comfort and safety.



**500 Class**

### 500 Class

- 55/80D diesel Hatz
- 55/80DE diesel Hatz electric start
- Two models up to 500kg
- Outstanding compaction force, 55kN
- Heavy-duty with the highest compaction force
- Extension plates available for 650 & 800mm widths

### Applications

- Soil and stone materials
- Trenches
- Building foundations
- Back fill against walls

### RPC 55/80 - Heavy-duty with High Compaction Force

- The streamlined, compact design makes the RPC55/80 ideal in confined areas - with a fold-down lifting point and low handle operation suitable for restricted sites
- A powerful diesel engine makes this 500 class machine an economically attractive alternative to heavy vibrating rollers
- High centrifugal force and high amplitude result in the best combination of compaction force and traction
- The ergonomic design assures the best operator performance with easy, well positioned controls making turning operation easy. Turning the plate is easy even in limited space or on difficult terrain
- Easy operation achieved with perfectly weighted and balanced handles
- Hydraulic design offers the best in reliable performance with fewer wearable parts and simple service schedules
- Low hand-arm vibration makes this plate a favourite for all operators offering longer safer working times
- The optional extension plates (2x75mm or 2x150mm) provide good compaction force for larger surface areas or in trenches
- The RPC 55/80 diesel Reversible Plate Compactor is available fitted with recoil or electric start