



The Belle single direction plate compactors designed to offer cost-effective solutions for a variety of compaction sites.

Safe Operation

Safety is built-in across the range.

The PC plate compactors offer low hand-arm vibration and the highest performance, longer safe usage times and faster finishing make PC plate compactors the safest available.

Effective Compaction

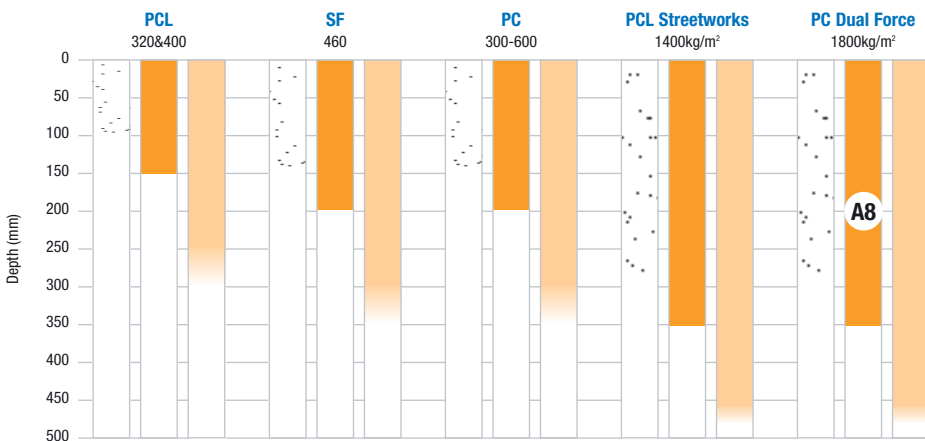
Vibration frequency and amplitude are optimised for the highest compaction on a wide range of materials.

Added dual force options provide even more force when required.

Excellent Range

The range offers a wide choice of compaction plates for every type of application.

- Lightweight plates ideal for DIY or small compaction jobs
- Lightweight professional plates, the best for easy handling
- High performance soil compactors with 18kN force
- Professional PC compaction plates - the contractor's choice



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

PC Plate Compactors

MODEL		PC350	PC400	PC400D	PC450	PC450D	PC500	PC500D
Engine		Honda GX120	Honda GX120	Hatz 1B20	Honda GX120	Hatz 1B20	Honda GX160	Hatz 1B20
Plate Width	(mm)	350	400	400	450	450	500	500
	(in)	14	16	16	18	18	20	20
Operating Weight	(kg)	79	81	94	83	96	85	98
	(lb)	174	179	207	183	212	187	216
Engine Power	(hp/kW)	4/3	4/3	4.6/3.5	4/3	4.6/3.5	5.5/4	4.6/3.5
Vibrator Force	(kN)	16.5	16.5	16.5	16.5	16.5	16.5	16.5
	(lbf)	3710	3710	3710	3710	3710	3710	3710
Frequency	(Hz)	100	100	100	100	100	100	100
Travel Speed	(m/min)	24	24	23	23	22	21	21
	(ft/min)	79	79	75	75	72	69	66
Triple Axis Vibration (min to EN500-4)	(m/sec ²)	3.93	3.40	3.40	3.93	3.93	3.40	3.40
	(ft/sec ²)	18.2	18.6	18.6	20.8	20.8	19.2	19.2
'Dual Force' (optional) Pressure	(kg/m ²)	2016	1808	2087	1965	2062	1812	1895
	(lb/ft ²)	413	370	428	403	423	371	388

PC Plate Dimensions all models L x W x H (with folded handles): 764 x plate width x 546mm / 30in x plate width x 21.5in - (PC Plate Dimensions all models L x W x H (boxed): 520 x 600 x 800)

PC Plates with Robin engine available on request (available boxed on request).

SF Heavy Duty Soil Compactor

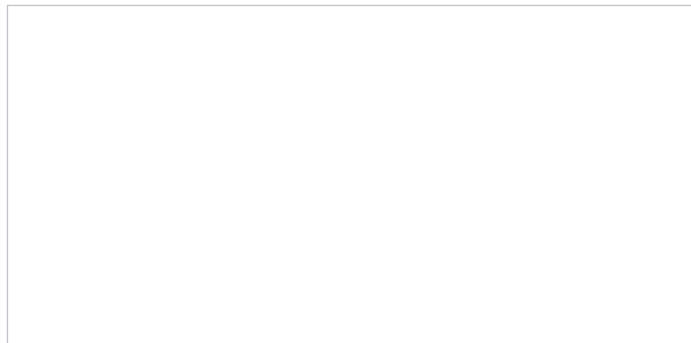
MODEL		SF460	SF460
Engine		Honda GX160	Robin EY20
Plate Width	(mm)	460	460
	(in)	18	18
Engine Power	(hp/kW)	5.5/4	5/3.7
Vibrator Force	(kN)	18	18
	(lbf)	4046	4046
Frequency	(Hz)	90	90
Operating Weight	(kg)	80	81
	(lb)	176	178
Boxed Dimensions L x W x H	(mm)	480 x 480 x 940	
	(in)	19 x 17 x 37	
Available boxed on request.			

PCL & Minipac Lightweight Plate Compactors

MODEL		PCL320	PCL400	PCL320	Minipac
Engine		Honda GX100	Honda GX100	Honda GX100	Honda GXH50
Plate Width	(mm)	320	400	320	290
	(in)				11.5
Engine Power	(hp/kW)	2.5/1.9	2.5/1.9	2.5/1.9	2.5/1.9
Vibrator Force	(kN)	11	11	11	3.25
	(lbf)	2473	2473	2473	730
Frequency	(Hz)				80
Operating Weight	(kg)	51	54	56	37.5
	(lb)	112	119	123	82.5
Boxed Dimensions L x W x H	(mm)				750 x 320 x 520
	(in)				30 x 13 x 21
Available boxed on request.					



Additional Compaction Products: Rammers, Reversible Plate Compactors



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820-PLATE-GB

compaction

forward direction
plate compactors



compaction

First choice for compaction...

Belle Group have established an excellent reputation with a comprehensive range of light compaction equipment. Belle now offers the leading edge in compaction technology across the range including: forward, reversible plate compactors and rammers.

Forward Direction Plate Compactors

This extensive range covers all categories of Plate Compactor from 37kg up to 98kg and 320mm to 500mm wide, 23 models are available to suit any application.

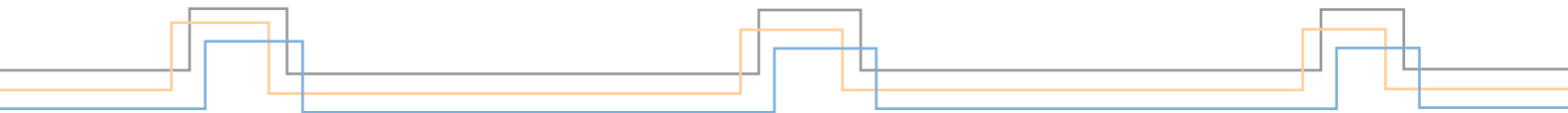
Designed to meet the demands of rental and contractors, the range is built to survive in heavy-duty environments. Advanced engineering has introduced stylish plates with good operator and engine protection coupled with the best in compaction performance.



The Range Features

- High performance
- Fast travel speed
- In-built safety
- Low hand-arm vibration
- Strong compaction force
- Lightweight professional models
- Lightweight DIY alternative
- Compact stylish design





PCL 300-350



SF 460

PCL Plate Compactor

- When good compaction from a robust, lightweight plate is required the PCL is a perfect choice.

PCL Streetworks

- All Streetworks must be compacted with high performance equipment to achieve the specified material densities. By using 'Dual Force' this light and portable plate performs to the HAUC standard.

Applications

- Suitable for repair work, small confined areas
- Sand, gravel, sub-base and base asphalt

MINIPAC



Minipac - ideal for confined areas

Minipac

- The Minipac plate compactor offers the DIY user a light and portable but effective compaction plate. The patented 'Dual Force' base plate gives the necessary sub-base compaction for a wide range of DIY and landscaping applications.

SF Soil Plate Compactor

- Proven compaction plate for soil and base coarse applications. Easy to handle, but powerful for excellent compaction. It maintains deep compaction with 18kN of vibrator force
- An economic, but robust vibrating plate developed for tough site conditions. Fast moving with excellent stability
- The most powerful in its weight class
- 90Hz frequency provides optimal manoeuvrability, vital where the compaction needed is on difficult terrain

Applications

- Suitable for soil, sand, gravel and sub-base

PC Plate Compactors

The stylish PC Plate Range 350-500mm offers a compact, streamlined design. Available in colours to suit your corporate identity.

- Suitable for soil and all types of asphalt including cold-lay materials
- Largest range with 16 models, petrol or diesel
- Longest safest usage time with the lowest hand-arm vibration
- Reliable performance, lifelong lubrication, durable base plates, strong V-belt covers
- Excellent ergonomics, compaction force and compaction depth
- The PC plates compact size is specifically designed for working well in confined areas, with easy fold-down handles



Corporate colour options available



Water tank



Polyurethane pad



Transporter wheels



PC 350-500

Good Performance and Compaction Depth

The PC Range achieves good compaction across all materials with its specially engineered base.

The Dual Force option on the base plate gives added impact to achieve the highest density compaction.

The patented base design provides 2 stage compaction for up to 5X the force of a standard plate.



Safety

High priority has been given to operator safety. The whole design reduces hand-arm vibration giving longer safer usage time. The anti vibration technology means that *Belle Group plate compactors are the safest in their class.*

Low Maintenance

A proven range with long service intervals. A strong frame protects the engine and high quality engineering ensures reliability.

Options and Accessories

- Water tank with spray bar, block paving poly-pad, transporter wheels and dual force base plate
- Catalysers available on request
- The specially engineered bottom plates allow operation on very thin and hot asphalt - compounds without causing cracks and unevenness



Specially engineered curved side edge to plate

Applications

- PC Plate Compactors suitable for sand, soil, sub-base, asphalt

