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Pumping

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Cutting

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Belle Group: a comprehensive Product range.

Belle Group designs, manufactures and sells a complete range of light equipment for the Building and Construction market :

Compacting : Forward and reversible plates, rammers, walk behind rollers.

Moving : Minidumper.

Mixing : Electric stirrers, portable and compact mixers, large capacity mobile and site mixers.

Concreting : Poker vibrators, screeds, beams, trowels and finishing tools.

Pumping : Flexible shaft and hydraulic water pumps.

Cutting : Floor saws, tile saws, block splitters, diamond blades.

Hydraulic : Breakers, hydraulic packs and tools.

www.BelleGroup.com



Our Product range is distributed exclusively by rental companies and retailers of Construction Equipment

Belle Group : A European Manufacturer of a full line of Light construction products.

Belle Group has its own production sites in England and Poland.



Sheen Factory (UK)



Rawa Mazowiecka Factory (Poland)

Belle Products are specially designed for the rental industry:

Belle Group designs all its machines taking into consideration: the expectations of the customers, the specific needs of each market as well as the standards currently in force.

Belle has its own in-house R&D Centre where products are developed and tested to meet industry needs across each different market throughout the world.

Belle has extensive experience of designing and operating machinery in Europe and around the World, ensuring highest quality standard and conformity to health and safety requirements.

All Belle machines are in conformity with EC legislation, on specific safety issues such as hand-arm vibration levels, as well as on noise levels and other security standards.

Optimised production:

Belle's products are designed and manufactured using state of the art technology to achieve optimum performance.



Our production lines are well equipped with the latest technology in order to provide optimum quality to our customers.



Laser cutting



Robot welding

Endurance tests:

Belle undertakes rigorous testing on all products to ensure continuous reliability during the products lifetime.



A dynamic and proactive Customer Service Department:

Belle Group, ensures a **fast response** of the Spares and After Sales Service Organisation. Moreover, our customers have the opportunity to order parts on www.Belle247.com.



Commercial support available.

Belle Sales' Administration Department will provide you with an optimum service:

- Timescale requests
- Machine availability & stock management
- Fast & simple procedure for setting up of accounts
- Despatch & delivery
- Follow up of orders
- Follow up of logistics: sending orders as soon as possible and in the best conditions & follow up of the delivery.



The combination of design and manufacturing expertise, allied to a high level of customer service, means that Belle Group offers its customer a truly **global service**.

Belle Group an International coverage

Belle Group's excellent track record for innovation continues with on-going new product launches and major product developments planned for the future.

Belle Group is represented by wholly owned subsidiary companies in the UK, USA, France, Spain, Portugal, Poland and Russia and has an independant distributor network in more than 90 countries.

Belle products are used in several worldwide substructure projects.



Queen's Awards for Enterprise : International Trade 2008

The Belle Group has won the highly coveted Queen's Award for International Trade 2008. The Queen's Awards for Enterprise are the UK's most prestigious awards for business performance. The Awards are made each year by The Queen, on the advice of the Prime Minister to reward and recognize outstanding achievements accomplished by a UK company.



Belle Group is N°1 for operator safety

Thanks to a unique patented device on compaction products (anti vibration mount on handles, base plates and frames which absorb vibrations), Belle helps to dramatically reduce operator hand-arm vibration levels and fatigue.



Hand Arm Vibration Syndrome is the term used to describe medical conditions caused by hand held tools that induce vibration in the user.

The damage caused is cumulative, that is to say that continuous daily use of hand held vibrating equipment increases the risk of the user developing symptoms such as carpal tunnel, vibration white finger (see picture), reduce strength in the arms and fingers, etc..

The regulations introduce an Exposure Action Value Limit (EAV) and an upper limit known as the Exposure Limit Value (ELV).

- EAV is 2.5m/s² above which level employers should introduce technical and work rotation measures to reduce exposure.
- ELV is 5.0m/s² which should not be exceeded in any working day.

Thanks to their low vibration technology, Belle forward plates offer a high level of ergonomy for the operator, with the aim of dramatically reduce hand-arm vibration levels in accordance with the current comfort Standards, for over 8 hours usage, i.e. a full working day.

Comparative tests carried out by an independent Company, OPERC, recognizes Belle high performance on low hand-arm vibration levels.



Belle and the Environment – A green future

Being located in the heart of the Peak District National Park the environment has always been a major consideration for the Belle Group when looking at its manufacturing operations. This has driven many of the systems and processes Belle has adopted, even before these issues became a major consideration for companies when looking at their chosen business partners and suppliers.

In 2006 Belle began the acceleration of recycling its waste and increasing energy management initiatives.



All of these areas are operated and maintained in an environmentally friendly way, with the benefit of energy, carbon savings and a reduction in our land fill waste of approximately 90%.

The company complies with all legislation regarding waste packaging and hazardous waste, and has all the necessary registrations in place.

In July 2006, Belle received a UK award to show the way in which the company had improved health and safety, environmental standards and control of waste.

WASTE REDUCTION AND RECYCLING ●●●

Belle has rationalized the waste stream within its operations by taking a full review of all its activities.

Wherever possible waste is reduced at source therefore eliminating the need to send waste to landfill. This has the added benefit of reducing cost as well.

Belle has strived to move all of its packaging process to recyclable materials.

Incoming packaging is specified to be reusable or recyclable wherever possible. All waste then generated this way is segregated on site and recycled appropriately through a joint agreement with a waste management specialist.

Process scrap waste comes mainly in the form of recyclable materials such as steel off-cuts waste, oils and plastics. These are again separated and recycled.

●●● ENERGY

In conjunction with the Carbon Trust, Belle has adopted best energy management practices with the target of reducing both greenhouse gas emissions and costs on a yearly basis. The measures being taken include amongst others, energy monitoring, in-house energy watching, optimising equipment usage, workforce involvement and awareness training and the use of external consultants. Our aim is to reduce our ongoing energy usage by 5% per year.

ENVIRONMENTAL POLICY ●●●

When selecting suppliers, vendors and contractors, the Belle Group takes account of their environmental performance.

The Belle Group will adopt 'waste free' objectives on all its sites. Where waste is generated, re-use programs or recycling will be introduced where possible. The Belle Group is also committed to

reducing levels of water and energy consumption used by its operations in line with the government's 'Climate Change' policy.

This is part of Belle's commitment and ongoing mission to reduce the environmental impact of manufacturing and industry. Our ambition is high and our future is Green.

CO2 Levels



ENGINE MODEL	CO2 level
ROBIN	(g/kWh)
EX13.....	744
EX17.....	722
EX27.....	772
EH09.....	1145
EH41.....	789



ENGINE MODEL	CO2 level
HATZ	(g/kWh)
1B20.....	1013
1B30.....	982
1D50Z.....	1030
1D81Z.....	1054



ENGINE MODEL	CO2 level
LOMBARDINI	(g/kWh)
15LD225.....	768
15LD350.....	788
15LD440.....	779



ENGINE MODEL	CO2 level
HONDA	(g/kWh)
GX100	938
GX120	938
GX160	938
GX270	938
GX390	938
GXV160.....	938
GXH50.....	938
GX22	938
GX31	938



ENGINE MODEL	CO2 level
KUBOTA	(g/kWh)
E75NB3.....	790



ENGINE MODEL	CO2 level
YANMAR	(g/kWh)
L48AE.....	790

The CO2 level stated is a theoretical guideline, this value is not official data from the suppliers.

Belle Group offers a full range of compaction equipment for both soil and asphalt : Forward plate compactors, Reversible plate compactors, Trench rammers and Walk behind duplex rollers for compacting all types of soil and asphalt applications. Belle offers a large range of plate compactors with a choice of compaction force, different plate sizes and widths depending on the application and material to compact as well as various engine options.

These machines combine technology together with highest standards of performance. Belle-Group has a wide experience and understanding of compaction, combining health and safety features.

Belle is now N°1 in the world for low hand-arm vibration.

Forward plate compactors



PCEL 320X Extra light weight plate 50kg.....	8
PCLX Plate compactor 60 kg	
Light weight versatile plate compactors.....	9
PCX 20A Plate compactor 75 kg	
Specialist asphalt	10
PCX12/36 - 13/40 Plate compactor 80kg	
Combination plates for soil and asphalt.....	11
PCX Plate compactor 85kg	
Combination plates for soil and asphalt.....	12
PCX20/50 Heavy weight soil compactor 120kg.....	15
SF460 Plate compactor 80 kg	
Special heavy duty soil	16

Reversible plate compactors



RPC 30 kN	
Compact reversible plate compactors	17
RPC 45 kN	
Medium size reversible plate compactors	18
RPC 60 kN	
Heavy duty reversible plate compactors.....	19

Trench Rammers



RT 65 - 67 kg	20
RT 50 - 55 kg	21
RT 66 - 68 kg	21
RT 74 - 74 kg	21

Walk behind Duplex Rollers for soil and asphalt



BWR 650	22
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Compaction accessories



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Extra light weight plate 50kg

Belle Group's Light Weight, Single Direction Vibration Plate is suitable for a multitude of applications: soil and asphalt compaction.

This product is specially designed for confined areas of granular soil in narrow trenches, interlocking blocks, footpath construction and maintenance, trenches and pipelines, sportsgrounds, landscaping and groundwork engineering.

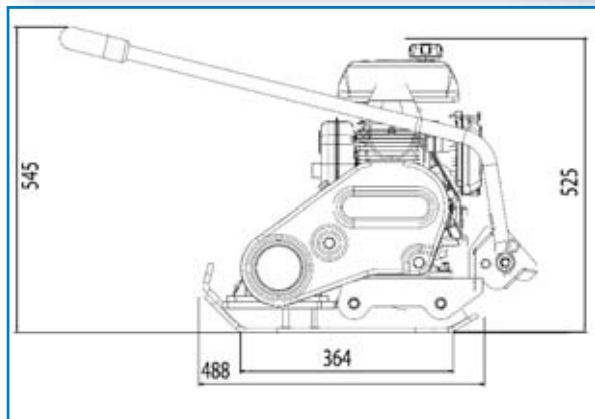
ADVANTAGES

- Ultra compact design
- Removable operating handle for easy storage, handle folds very low as diagram shows
- Front and rear lift handles
- 8mm thick plate

HONDA



Ref	Model	Engine Power (hp / kW)	Plate Size W x L (mm)	Static Pressure (kg/m ²)	Centrifugal Force (kN)	Travel Speed (m/min)	Vibration (m/sec ²) / usage (hrs)	Weight (kg)
ELX3201 Orange ELX3203 Yellow	PCEL 320X petrol	3.0 / 2.2	320 X 364	425	11	23	2.9 / 5.6	49
Accessories p24								



PCLX Light weight forward plate compactors for repair work and maintenance.

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



HONDA

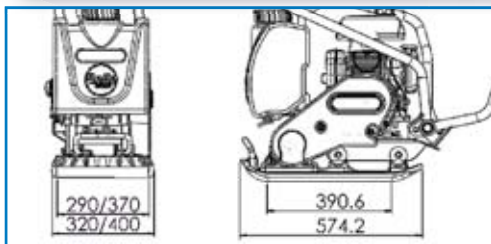


ADVANTAGES

- Comfort handles help to reduce operator fatigue
- Low hand-arm vibration levels, patented and registered designs. Directive 2002/44/CE
- 320 or 400 base width - choice to suit applications
- Complete with lifting eye
- Large capacity (12 l), "Quick Release" water tank
- High quality vibrator gives reliability and performance
- Manual handling points for an easy two man lift

Ref	Model	Engine Power (hp / kW)	Plate Size WxL (mm)	Static Pressure (kg/m2)	Centrifugal Force (kN)	Travel Speed (m/min)	Vibration (m/sec2) / usage (hrs)	Weight (kg)
PCLX petrol with water kit								
LC3222W	PCLX 320 (13") Orange	Honda GX100	320 x 574	398	13	16	2.42 / 10.7	61
LC3224W	PCLX 320 (13") Yellow	3.0/2.2						
LC4221W	PCLX 400 (16") Orange	Honda GX100	400 x 574	336	13	16	2.48 / 10.2	66
LC4223W	PCLX 400 (16") Yellow	3.0/2.2						
PCLX petrol without water kit								
LC3222	PCLX 320 (13") Orange	Honda GX100	320 x 574	398	13	16	2.42 / 10.7	59
LC3224	PCLX 320 (13") Yellow	3.0/2.2						
LC4221	PCLX 400 (16") Orange	Honda GX100	400 x 574	336	13	16	2.48 / 10.2	64
LC4223	PCLX 400 (16") Yellow	3.0/2.2						
Accessories p24								

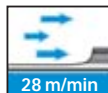
Accessories p24





Special Delta plate designed with flexibility and versatility for compacting asphalt

Belle PCX 20A is a specially designed forward plate to compact asphalt with a focus on versatility. These plates are often used for repair work as a complement to larger asphalt machines.



ADVANTAGES

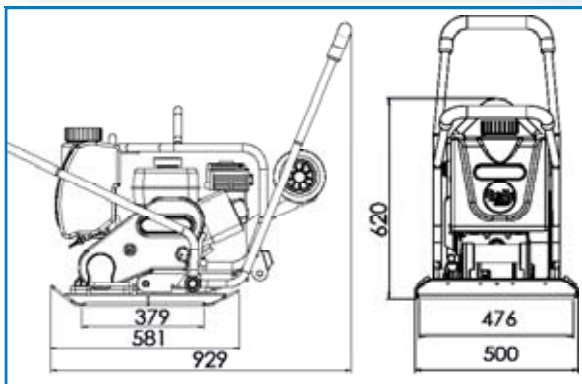
- Comfort handles help to reduce operator fatigue
- Extremely accurate with a small turning radius on asphalt
- Specially engineered "Delta" base plate for high performance
- Large capacity (12 l) water tank
- Strong protective frame as standard
- Wheel kit as standard
- Low mounted wide spray ramp permitting water flow to reach the back of the plate

HONDA



Ref	Model	Engine Power (hp / kW)	Plate size W x L (mm)	Static Pressure (kg/m²)	Centrifugal Force (kN)	Travel Speed (m/min)	Vibration (m/sec²) / usage (hrs)	Weight (kg)
PCD10	PCX 20A Orange	Honda GX120 Petrol						
PCD11	PCX 20A Yellow	4 / 3	500 x 581	420	13	28	5 / 3	75*

* Weight includes water kit and transporter



A combination plate for the rental industry

Belle has developed a series of 2 true combination plates for compaction of granular and mixed materials with cohesive content as well as for hot or cold asphalt in confined areas such as parking lots, highways, close to structures, curbs, and abutments

This product provides great value for rental as it has been designed to resist the toughest applications.

This plate is designed with improved speed and frequency and with a shortened base plate. It allows the operator to smoothly run the machine in a wide range of field applications with demand on fast maintenance and repair.



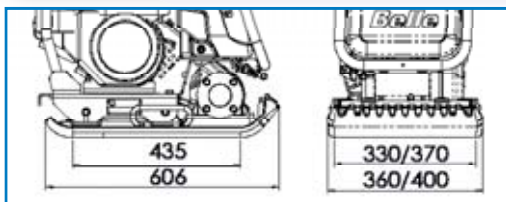
ADVANTAGES

- Foldable mounted guide handle offers superior maneuverability and can be lowered from many working positions to centimeters of the surface to operate under obstacles and close to form work.
- Reinforced centrifugal clutch ensures longer belt life, and simplified belt adjustment.
- Lifting points and front lift cage offer easier loading and unloading for operator convenience
- Large capacity water tank is built into the protective frame.
- Angled holes on spray bar allow complete water coverage over the full width preventing any asphalt pick-up on plate bottom.
- The spraybar is fully protected from damage, easily positioned, with integral paving pad clamp points
- Compact wheelkit in option, easily fitted and removed
- Life lubricated vibration bearings.

HONDA



Ref	Model	Engine Power (hp / kW)	Plate size W x L (mm)	Static Pressure (kg/m ²)	Centrifugal Force (kN)	Travel Speed (m/min)	Weight (kg)
Plates with water kit							
FC3600EW	PCX 12/36	Honda petrol GX120 - 4 / 3	360 x 606	611	12.25	20	84.5
FC4000EW	PCX 13/40	Honda petrol GX120 - 4 / 3	400 x 606	542	13	20	87
Plates without water kit							
FC3600E	PCX 12/36	Honda petrol GX120 - 4 / 3	360 x 606	586	12.25	20	81
FC4000E	PCX 13/40	Honda petrol GX120 - 4 / 3	400 x 606	520	13	20	83.5
Accessories p24							



Forward combination plates for soil and asphalt

Plates with unique safety features, performance and stylish looks. High priority has been given to Health and Safety with low hand arm vibration. Patented and registered designs.

HONDA



ADVANTAGES

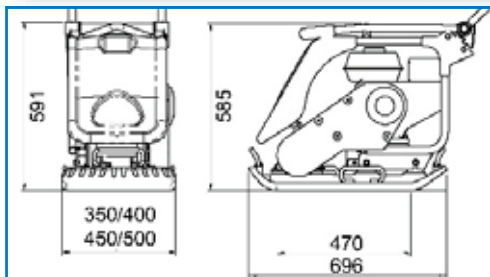
- Faster travel speed - for improved productivity
- Low hand-arm vibration - for operator health and safety
- Engine protection frame - also provides a lifting point
- Handle folds flat - compact size for transport and storage
- Optimum vibration 16.5kN force at 92Hz
- Option for water tank factory fitted
- Asphalt Combination Rounded Edge
- Cast base plate with rounded edges and integrated spray bar



Ref	Model	Engine Power (hp / kW)	Plate size W x L (mm)	Static Pressure (kg/m ²)	Centrifugal Force (kN)	Travel speed (m/min)	Weight (kg)	Vibration Level (m/sec ²)	Max Usage Time* (hrs)
PCX Petrol with water kit									
PC3500EW	PCX 350A	Honda GX120 - 4/3	350 x 696	480	13	24	89	2.26	12.3
PC4000EW	PCX 400A	Honda GX120 - 4/3	400 x 696	419	13	24	92	2.50	10.0
PC4513EW	PCX 450A	Honda GX160 - 5.5/4	450 x 696	382	16.5	23	96	2.45	10.4
PC5000EW	PCX 500A	Honda GX160 - 5.5/4	500 x 696	351	16.5	21	102	2.50	10.0
PCX Standard / Asphalt Petrol without water kit									
PC3500E	PCX 350A	Honda GX120 - 4/3	350 x 696	480	13	24	87	2.26	12.3
PC4000E	PCX 400A	Honda GX120 - 4/3	400 x 696	419	13	24	90	2.50	10.0
PC4513E	PCX 450A	Honda GX160 - 5.5/4	450 x 696	382	16.5	23	94	2.45	10.4
PC5000E	PCX 500A	Honda GX160 - 5.5/4	500 x 696	351	16.5	21	100	2.50	10.0

Accessories p 24

*Minimum vibration level to EN500-4



Forward combination plates for soil and asphalt

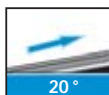
Plates with unique safety features, performance and stylish looks. High priority has been given to Health and Safety with low hand arm vibration. Patented and registered designs.



ADVANTAGES

- Faster travel speed - for improved productivity
- Low hand-arm vibration - for operator health and safety
- Engine protection frame - also provides a lifting point
- Handle folds flat - compact size for transport and storage
- Optimum vibration 16.5kN force at 92Hz
- Option for water tank factory fitted
- Asphalt Combination Rounded Edge
- Cast base plate with rounded edges and integrated spray bar

Ref	Model	Engine	Power (hp / kW)	Plate size W x L (mm)	Static Pressure (kg/m ²)	Centrifugal Force (kN)	Travel speed (m/min)	Weight (kg)	Vibration Level (m/sec ²)	Max Usage Time* (hrs)
PCX Standard / Asphalt Petrol with water kit										
PC3510EW	PCX 350A	Robin EX13 -	5/3.5	350 x 696	480	13	24	89	2.26	12.3
PC4035EW	PCX 400A	Robin EX17 -	6/4.5	400 x 696	419	13	24	92	2.50	10.0
PC4537EW	PCX 450A	Robin EX17 -	6/4.5	450 x 696	382	16.5	23	96	2.45	10.4
PC5022EW	PCX 500A	Robin EX17 -	6/4.5	500 x 696	351	16.5	21	102	2.50	10.0
PCX Standard / Asphalt Petrol without water kit										
PC3510E	PCX 350A	Robin EX13 -	5/3.5	350 x 696	480	13	24	87	2.26	12.3
PC4035E	PCX 400A	Robin EX17 -	6/4.5	400 x 696	419	13	24	90	2.50	10.0
PC4537E	PCX 450A	Robin EX17 -	6/4.5	450 x 696	382	16.5	23	94	2.45	10.4
PC5022E	PCX 500A	Robin EX17 -	6/4.5	500 x 696	351	16.5	21	100	2.50	10.0
Accessories p 24 *Minimum vibration level to EN500-4										





Forward combination plates for soil and asphalt

Plates with unique safety features, performance and stylish looks. High priority has been given to Health and Safety with low hand arm vibration. Patented and registered designs.



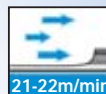
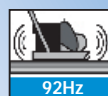
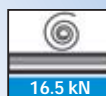
ADVANTAGES

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- Low hand-arm vibration - for operator health and safety
- Engine protection frame - also provides a lifting point
- Handle folds flat - compact size for transport and storage
- Optimum vibration 16.5kN force at 92Hz
- Option for water tank factory fitted
- Asphalt Combination Rounded Edge
- Cast base plate with rounded edges and integrated spray bar

Ref	Model	Engine Power (hp / kW)	Plate size W x L (mm)	Static Pressure (kg/m ²)	Centrifugal Force (kN)	Travel speed (m/min)	Weight (kg)	Vibration Level* (m/sec ²)	Max Usage Time (hrs)
PCX Standard/ Asphalt Diesel Hatz with water kit									
PC4525EW	PCX 450A	Hatz 1B20 - 4.6/3.5	450 x 696	440	16.5	22	113	2.61	9.2
PC5012EW	PCX 500A	Hatz 1B20 - 4.6/3.5	500 x 696	404	16.5	21	116	2.59	9.3
PCX Standard/ Asphalt Diesel Hatz without water kit									
PC4525E	PCX 450A	Hatz 1B20 - 4.6/3.5	450 x 696	440	16.5	22	111	2.61	9.2
PC5012E	PCX 500A	Hatz 1B20 - 4.6/3.5	500 x 696	404	16.5	21	114	2.59	9.3

Accessories p 24

*Minimum vibration level to EN500-4

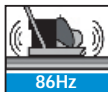




HEAVY WEIGHT SOIL COMPACTOR

Used for soil compaction on new developments, repairs and maintenance jobs with large aggregates, clay or moist content. This plate is a hard hitting but user friendly machine in the heavy weight class.

PCX20/50 has outstanding compaction features and is the heaviest forward plate compactor in the range.



HONDA

ADVANTAGES

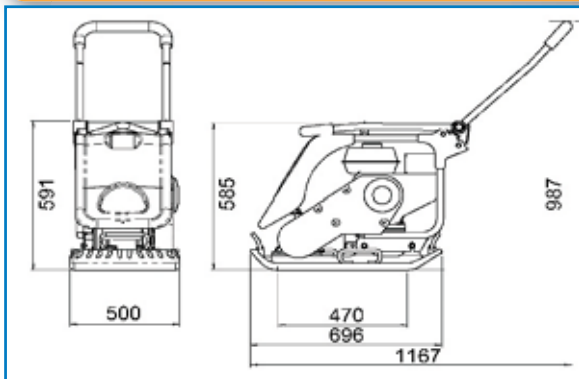
- Compaction all-rounder for soils, asphalt and pavements, a plate with unlimited possibilities
- The optimum vibratory plate for finishing or patching a surface
- Highest degree of operator comfort: patented vibration neutralization of the operating handle
- Wear and fracture resistant cast base plate, even during continuous load applications, manufactured out of extremely resistant cast iron (GJS-700)
- The sturdy protective frame makes this plate resistant to rough treatment or mechanical shocks
- Powered by Honda
- Paving pad available as an accessory

Available 2nd quarter 2009*



Ref	Model	Engine - Power (hp / kW)	Plate Size W x L (mm)	Static pressure (kg/m ²)	Centrifugal Force (kN)	Travel Speed (m/min)	Weight (kg)	Vibration level (m/sec ²)	Max usage time (hrs)
FC5000E	PCX 20/50	Honda GX160 - 5.5 / 4	500 x 696	501	20	25	120	3.5	4.15

Accessories p 24





Special Force Plate Compactor

On soil and difficult ground conditions the SF 460 makes good progress when other machines can get stuck.

A well proven design that has been engineered to give many years service in harsh conditions.

HONDA

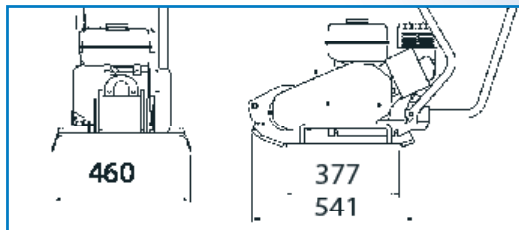


ADVANTAGES

- High centrifugal force for powerful performance
- 90hz Low frequency : high amplitude
fast travel speeds better soil compaction
- Extra thick durable base plate
- Strong aluminium belt guard
- Low maintenance vibrator
- Handle folds over engine for storage and transportation



Ref	Model	Engine -	Power (hp / kW)	Plate Size W x L (mm)	Frequency (Hz)	Centrifugal Force (kN)	Forward Speed (m/min)	Weight (kg)
164.9.000	SF 460	Honda GX160 Petrol	- 5.5 / 4.1	460 x 541	90	18	24	80
164.9.004	SF 460	Robin EX17 Petrol	- 6 / 4.5	460 x 541	90	18	24	81





Compact reversible plate compactors

Forward and reversible compactors with centrifugal force of 30kN. Speed and compaction depth are adjusted through hydraulic control of the eccentric element. This gives the plate smooth motion and makes it easy to operate. General plate for compaction work close to piles and concrete bases. Excellent for floor fillings, foundations, road repairs as well as backfill in pipe trenches.



HONDA



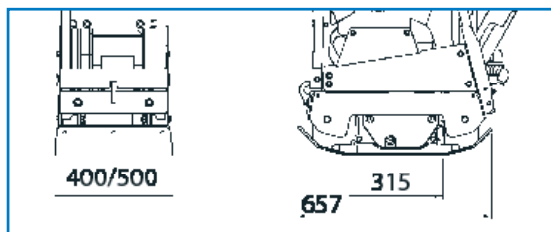
ADVANTAGES

- Two sizes of base plate and weights to suit all kind of applications combining low weight with high compaction force
- Model 30/40, base plate width 400 mm
- Model 30/50, base plate width 500 mm
- Compact machines with highest performance and compaction results
- Petrol or diesel engine options
- High frequency vibrating element 90 HZ
- Compact design combined with excellent ergonomic and low hand arm vibrations which minimising operator fatigue
- Specially designed operator handle for easy operating with minimum of strain
- User and service friendly where all components are easily accessible
- Large centrally placed lifting hook
- Foldable handle which provide easy moving, minimum size for transport and storage



Ref	Model	Engine - Power - (hp / kW)	Plate size W x L (mm)	Centrifugal Force (kN)	Frequency (Hz)	Weight Class	Weight (kg)
161.9.001	RPC 30/40	Honda GX160 Petrol - 5.5 / 4	400 x 657	30	90	160	158.4
161.9.000	RPC 30/40D	Hatz 1B20 Diesel - 4.2 / 3.1	400 x 657	30	90	160	175
161.9.067	RPC 30/50	Honda GX160 Petrol - 5.5 / 4	500 x 657	30	90	200	186
161.9.066	RPC 30/50D	Hatz 1B20 Diesel - 4.2 / 3.1	500 x 657	30	90	200	200

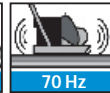
Options p 24





Medium size reversible plate compactors.

Medium size heavy duty forward and reverse plate compactor for soil applications. Ideally used for compaction in backfill in pipe and cable trenches as well as road repair and maintenance work. Speed and compaction depth are adjusted through hydraulic servo control of the eccentric element. Design includes strong wrap around frame that will stand severe shock and also protects vital parts of the machine.



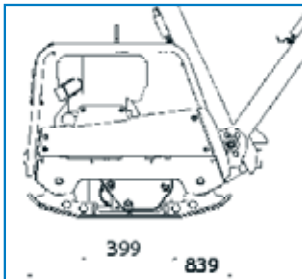
ADVANTAGES

- Compact design
- Total plate width of 600mm, this model is equipped with 2 quick release extension plates to permit versatility in applications (Extensions 2 x 75 mm)
- Engine options of petrol or diesel. RPC45/60 is available with diesel electric start as an option
- Optimized compaction depth is achieved by a high frequency vibrating element
- Excellent ergonomics has been achieved by reducing hand arm vibrations
- Belle use the specially designed operator handle which is easy to operate even in difficult curves
- Foldable handle with locking mechanism to have simplified transport and storage

HONDA



Ref	Model	Engine -	Power (hp / kW)	Plate size W x L (mm)	Centrifugal Force (kN)	Frequency (Hz)	Weight Class	Weight (kg)
161.9.005	RPC 45/60	Honda GX270 Petrol -	9 / 6.7	600 x 839	45	70	300	310
161.9.004	RPC 45/60D	Hatz 1B30 Diesel -	6.3 / 4.7	600 x 839	45	70	300	320
	RPC 45/60DE Electric start							
161.9.068	Orange	Hatz 1B30 Diesel	6.3 / 4.7	600 x 839	45	70	300	330
161.9.076	Yellow							





Heavy duty reversible plate compactors.

Heavy reversible plate compactors with optimum compaction performance. A powerful diesel engine, makes the RPC60/80 series an economical alternative to heavy vibratory rollers. The base plate is designed for fast compaction on stone and soil material on large surfaces. Excellent for building foundations and backfill against supporting walls.

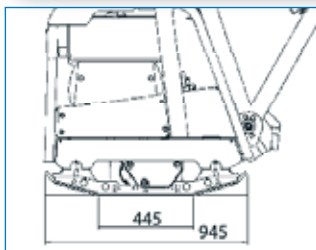


ADVANTAGES

- Exceptional centrifugal force 60kN
- Compact and designed with protective side covers to ensure safe passage in deep trenches
- Ideal for large projects
- Total bottom plate width can be extended to 700 mm or 800 mm with quick release extension plates (550 mm base width without extensions)
- Extension plates 2 x 75 included
- Extension plates 2 x 125 as available option
- Diesel Hatz engine ID81Z
- RPC 60/80 is available with electric start (option)
- Reliable in operations with excellent compaction features
- High frequency vibrating element
- Easy to work and manoeuvre, developed to reduce operator fatigue
- Ergonomic operating handle
- User and service friendly, components are easily accessible, many standard components
- Large centrally placed lifting hook
- Foldable handle locking into frame for easy transport and storage



Ref	Model	Engine Power (hp / kW)	Plate size W x L (mm)	Centrifugal Force (kN)	Frequency (Hz)	Weight Class	Weight (kg)	
161.9.064	RPC 60/80D	Hatz 1D81Z Diesel-	15 / 11	700 x 945	60	70	500	502
	RPC 60/80DE Electric start							
161.9.065 161.9.072	Orange Yellow	Hatz 1D81Z Diesel -	15 / 11	700 x 945	60	70	500	522
Options p 24								





4-stroke compact trench rammers

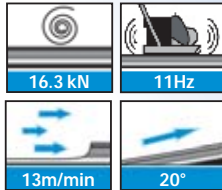
The new and unique RT 65 with a narrow frame and handle for work in deep, confined trenches. The RT 65 also has a lowered fuel tank, engine protection frame, transport roller and auxiliary lifting handle.

HONDA



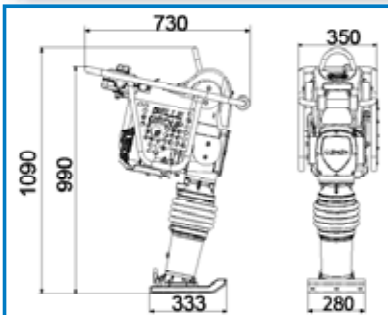
ADVANTAGES

- Low emission and low noise 4 stroke engine
- 3 fuel filters and large capacity air filter for extra reliability
- Special throttle system for smoother running
- Highly engineered shock mount for minimum Hand-Arm Vibration



Ref	Model	Power (hp / kW)	Frequency (vpm)	Travel (m/min)	Force (kN)	Foot (mm)		Dimensions (mm)			Weight (kg)
						W	L	W	H	L	
158.9.030	RT 65 Honda GX100 Orange	3.1 / 2.3	650-700	13	16.3	280	333	350	1090	730	67
158.9.031	Yellow										

Replacement foot and accessories p 24





4 Stroke Rammers

A range of 3 machines designed with forthcoming environmental legislation in mind. All the performance and durability that a contractor expects with the added benefit of a four stroke petrol engine.

Tried and tested in the harshest working environments these rammers are built to perform.

HONDA



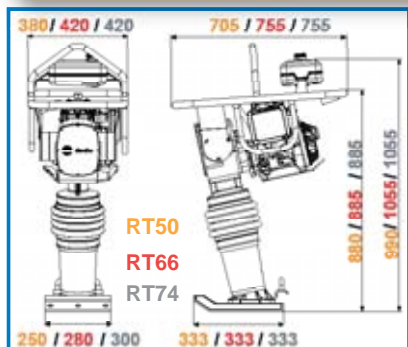
ADVANTAGES

- Reliable, easy start, no petrol/oil mixture needed
- Low emission and low noise 4 stroke engine
- 3 fuel filters and large capacity air filter for extra reliability
- Direct gear drive with oil bath lubrication extends service life
- Extra heavy duty bellows
- Well balanced performance reduces operator effort
- Heavy duty protection frame and adjustable handles



Ref	Model	Power (hp / kW)	Frequency (vpm)	Travel (m/min)	Force (kN)	Foot (mm) W L	Dimensions (mm) W H L	Weight (kg)
158.9.017	RT50 Honda GX100	3.1 / 2.3	570-635	13.0	13.75	250 333	380 990 705	54
158.9.009	RT66 Honda GX120	4 / 3	550-620	13.6	18.65	280 333	420 1055 755	69
158.9.015	RT66 Robin EH12D	4 / 3	550-620	13.6	18.65	280 333	420 1055 755	68
158.9.011	RT74 Honda GX120	4 / 3	550-620	13.3	18.65	300 333	420 1055 755	75

Replacement foot and accessories p 24



RT66 Robin EH12D
with Dual Air filter as standard



RT66/RT74 Honda GX120
with Dual Air filter as option

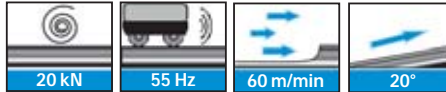


Walk behind duplex roller for soil and asphalt.

Fully hydrostatic walk behind duplex rollers.

Suitable for all possible applications on asphalt and sub-base.

Featuring compact design, the ultimate quality standards and components together with a Kubota diesel engine, this roller sets the quality standard in the industry through years of tough use.



ADVANTAGES

- Excellent wall clearance with no protruding parts
- BWR 650 equipped with – KUBOTA Diesel E75NB3 Electric starter. Extremely reliable and with lowest noise levels in the industry
- High compaction force 20kN
- Water cooled mono cylinder diesel engines, reliable in any site conditions
- Hydraulic drive motors by Sauer Danfoss on each drum
- Large capacity water tank with removable anti corrosive water sprinkler system, permitting watering over the whole surface of the drum
- Drum diameter 402mm, drum width 650mm
- Good kerb and overhang edge clearance
- Electric start



Ref	Model	Engine Power	Frequency	Travel	Force	Dimensions (mm)			Weight (kg)
		(hp / kW)	(Hz/ vpm)	(km/hr)	(kN)	W	H	L	
DR04	BWR 650 Roller Electric Start yellow	Kubota E75NB3 6.5 / 4.8	55/ 3300	> 3.6	20	700	1150	2385	675



Walk behind duplex rollers for soil and asphalt

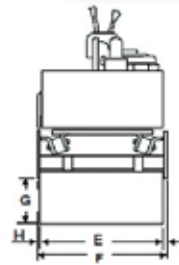
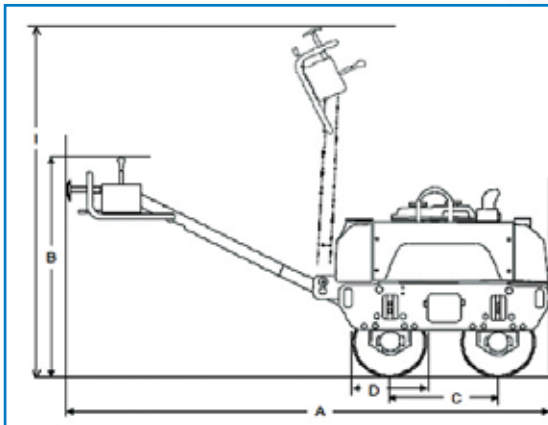
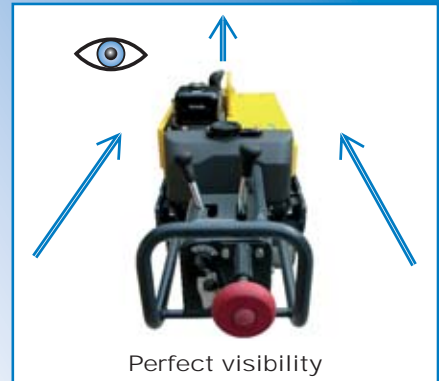
Strong and robust design, yet compact in size combined with utmost reliability for the most difficult site conditions



ADVANTAGES

- Protective side covers in steel
- Parking brake
- Security push stop
- Central placed lifting eye
- User and service friendly with easy access to all major components
- Centrally placed vibrator with easy access
- Foldable handle and locking mechanism
- Lowest noise standards
- Low hand arm vibrations due to large silent blocks mounted to handle
- Perfectly balanced
- Easy to manoeuvre in forward and reverse modes with instant response controls
- No markings on asphalt

Kubota



Overall Length	(mm)	A - 2385
Overall Height	(mm)	B - 1150
Wheel Base	(mm)	C - 560
Drum Diameter	(mm)	D - 402
Drum Width	(mm)	E - 650
Overall Width	(mm)	F - 700
Kerb Clearance	(mm)	G - 260
Lateral Overhang	(mm)	H - 25
Storage Height	(mm)	I - 1800

PCEL320X

OPP/63/DIO	Paving pad	PCEL320X
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PCLX

OPP/01/DIO	Paving pad	PCLX320
OPP/02/DIO	Paving pad	PCLX400
OPP/51S/DIO	Kit Water Spray	PCLX 320 Orange
OPP/51Y/DIO	Kit Water Spray	PCLX 320 Yellow
OPP/54S/DIO	Kit Water Spray	PCLX 400 Orange
OPP/54Y/DIO	Kit Water Spray	PCLX 400 Yellow
OPP/60/FIO	Wheel Kit	PCLX320/400

(Compatible with models serial no: 050570 and beyond only)

PCX 12/36-13/40

OPP/65/DIO	Paving pad	PCX 12/36
OPP/66/DIO	Paving pad	PCX 13/40
OPP/70S/DIO	Kit Water Spray	PCX 12/36 Orange
OPP/71S/DIO	Kit Water Spray	PCX 13/40 Orange
OPP/74/FIO	Wheel Kit	PCX 12/36 - 13/40

PCX350-500 - PCX20/50

OPP/26/DIO	Paving pad	PCX 350 (14")
OPP/28/DIO	Paving pad	PCX 400 (16")
OPP/30/DIO	Paving pad	PCX 450 (18")
OPP/32/DIO	Paving pad	PCX500 - PCX20/50 (20")
OPP/46S/DIO	Kit Water Spray	PCX 350
OPP/47S/DIO	Kit Water Spray	PCX 400
OPP/48S/DIO	Kit Water Spray	PCX 450
OPP/49S/DIO	Kit Water Spray	PCX 500
OPP/35/DIO	Fixed wheels for fab and cast bases	(not available for Hatz)
OPP/50/FIO	Detachable wheels cast bases	

RPC 30kN/60kN

OPP/18/FIO	Wheel kit	RPC30kN
OPP/41/DIO	2x125mm Extension Plates	RPC60kN
DIO dealer install option/ FIO factory install option		

RT50/65/66/74

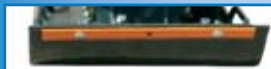
Replacement foot :

158.0.131	170mm Rammer foot Universal shoe	RT50/RT65/RT66/RT74
158.0.052	250mm Rammer foot	RT50/RT65
158.0.048	280mm Rammer foot	RT50/RT65
158.0.026	280mm Rammer foot	RT66/RT74
158.0.903	300mm Rammer foot	RT66/RT74

Accessories :

158.3.011	Complete kit with universal shoe 170x330mm (w x l), bolts and nuts	All RT range
158.3.003	Wooden narrow shoe 215 x 332mm (w x l)	RT50/RT65
158.3.007	Wooden narrow shoe 235 x 332mm (w x l)	RT66/RT74
158.3.001	Extension shoe kit 100 x 330 x 300mm (w x l x h)	RT50/RT65
158.3.005	Extension shoe kit 100 x 330 x 300mm (w x l x h)	RT66/RT74
158.3.002	Extension shoe kit 150 x 330 x 300mm (w x l x h)	RT50/RT65
158.3.006	Extension shoe kit 150 x 330 x 300mm (w x l x h)	RT66/RT74
OPRA/02/DIO	Dual Air Filter GX160 Honda	RT66
158.0.100	Rubber Isolator for handle	

All the optional shoes of the RT 50 are available for the old models of RT66 (<no. 0210064)



Belle Group offers its walk behind motorized 4 wheel drive MiniDumper BMD for moving loose material or a range of building materials.

This model combines **high performance robust design with the highest standards for safety.**



Minidumper BMD



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The BMD is available with 4 options : Flatbed Attachment, Skip loading ramps, Flotation wheels, Towing Hitch ball and eye option.

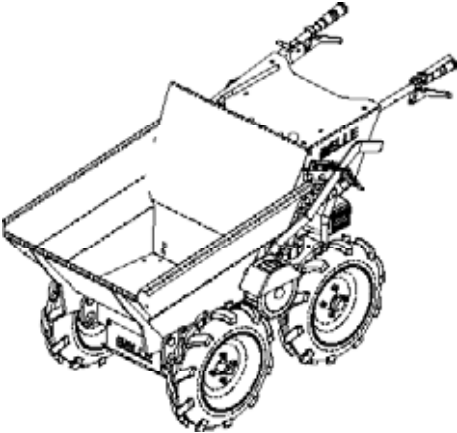
The MiniDumper options increase the versatility of the machine enabling it to carry awkward or oversized loads and for tipping into skips.



Minidumper BMD
Options



.....28





motorised, 4- wheel drive MiniDumper.

The BMD motorized pedestrian 4-wheel drive Minidumper is designed for loading and transporting with speed, greater flexibility and maneuverability . It can accommodate all kind of loads, on any terrain, for various applications in construction as well as in landscaping and agricultural work.

HONDA

ADVANTAGES

- Strong heavy duty design and tipping mechanism, the BMD can easily handle loads of up to 300kg with ease of controls
- Climbing ability of up to 38° inclines
- 4 wheel drive mode and removable centre wheel for service
- Ergonomic design and in combination with speed and large productivity, the product can allow a multitude of applications
- Ideal for small spaces, its dimensions allow passage through doorways and in confined spaces
- Easy to move around, when turning or working on slopes
- Gearbox with 4 forward gears. Also equipped with reverse gear and disc brakes
- 4 x Multipurpose tyres
- Faster, more flexible than a track driven dumper
- Quick changeover to flatbed mode
- Loading ramp available as an option, foldable and easily transportable



Ref	Model	Motor Power (hp / kW)	Travel Speed Max (kph)	Capacity (litres)	Capacity (kg)	Dimensions (mm)			Weight (kg)
						W	H	L	
BMD01	BMD300 Multipurpose tyres	Honda Petrol GXV160 - 5.5 / 4	6	134	300	716	925	1588	155
BMD01T	BMD300 Flotation wheels	Honda Petrol GXV160 - 5.5 / 4	6	134	300	987	925	1588	159

Options p28



Flotation wheels for soft grounds





Pedestrian, motorised, 4- wheel drive MiniDumper.

The BMD Minidumper has been subject to intensive endurance testing with Belle Group's Engineering test facilities

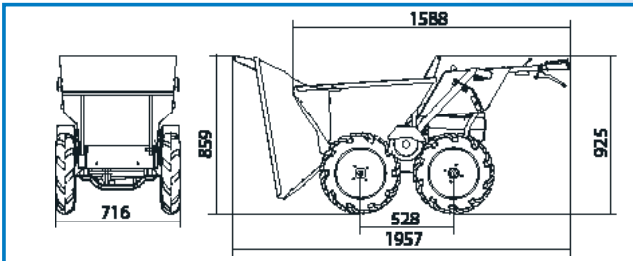
HONDA

ADVANTAGES

- High grade components conforming to latest quality standards
Designed to the latest European health and safety standards
- User and service friendly, maximise operator productivity
- Engine positioned to allow easy access and service.
The HONDA industrial engine GXV160 / 5.5 Hp, conforms to the latest anti-pollution standards.
- Equipped with parking disc brake for total operator security
- Centre wheel engaging 4 wheel drive when loaded on rough terrain
- The lower position of the skip permits fast tipping with no strain or operator fatigue.
- Perfectly balanced when working with full load.
- All 4 wheels are identically sized and easy to replace
- Additional bearings to support axle and strengthening plate
- Bottom protection plate to avoid damage by stones
- Reduced maintenance



Options p 28



MINIDUMPER

OPD/01/DIO

OPD/02/DIO

OPD/05/DIO

OPD/06/DIO

Flatbed

Ramps

Flotation Wheels

Towing Hitch ball and eye option



FLATBED - For breeze blocks and cement bags



RAMPS - Foldable & easily transportable ramp



FLOTATIONS WHEELS - For soft ground



TOWING HITCH BALL AND EYE OPTION
Capable of towing large trailers



Belle Group offers a complete range of products for mixing cement and concrete. Electric stirrers, light weight and heavy duty site mixers covering all types of applications, for professional use including the rental and contracting industry.

Mixers of the highest quality are designed for your specific needs. Portable compact mixers with large capacity covering mobile or site applications can be either electric or engine powered.

Electric stirrers



Promix 1200/1600W30

Compact portable mixers



130 - 180 L



Minimix 150 drum capacity 130 litres31

TBE 130/165 drum capacity 130 to 165 litres.....32

BWE 80/110/130 drum capacity 130 to 180 litres...33

Large capacity mobile and site mixers



250 - 400 L



BWE 150/200/250 vol. drum capacity 300-400 L...34

Superior volume drum capacity 280-380 L.....35

Premier XT volume drum capacity 250-400 L36

Tract Mix volume drum capacity 350 L.....37



BELLE CLEAN - Concrete dissolver38





Electric stirrers with variable speed

Hand held paddle mixers, suitable for high viscosity materials like plaster, cement, mortar, tile adhesives and render.

With a 2 speed gearbox and variable speed control, you can be sure of getting the perfect mix.

ADVANTAGES

- Variable Speed Control: **1200E** **1600E**
Speed 1st Gear : 76-262 rpm 153-310 rpm
Speed 2nd Gear : 218-578 rpm 309-670 rpm
- Incorporates Fail-Safe Trigger Lock.
- Slow Start, Low Splash.
- Range of paddles to suit all applications.
- Heavy duty motor and long life gearbox.
- Easy Maintenance procedure.
- High Power & Torque.
- Easy to change tools.



Ref	Model	Motor Power (W)	Mixing Volume (litres)	Paddle Fitting	Max. Paddle Diameter (mm)	Height With Paddle (mm)	Weight No Paddle (kg)	Weight (kg)
PROM05	1200E Promix paddle mixer *	1200	113	M14 x 2	140	865	5.5	7
PROM06	1600E Promix paddle mixer*	1600	227	M14 x 2	160	865	6.2	7.8
949/99584	2 Blade paddle 140mm diameter							
949/99585	2 Blade paddle 160mm diameter							
*(CE.plug)								





Compact tip up professional mixer

A range of mixers for the professional and rental users. Built for site durability, these are quality, portable mixers for all small to medium building projects.

The number one choice for mixers worldwide.

HONDA


110
230

ADVANTAGES

- Light and portable the 150 mixes a full barrow load
- Used with the stand allows barrow-height mixing and tipping - Patented design
- Electric or Petrol options available
- Enclosed Electric motor, sealed to IP 45
- Full thermal overload protection
- CE compliant, with NVR (No Volt Release) safety power switch
- Variable throttle on Honda GX120 variant



Mixing

Ref	Model	Max Motor Power	(hp / kW)	Drum Volume (litre)	Mixing Output (litre)	Drum Speed (rpm)	Dimensions off stand (mm)			Weight without stand* (kg)
							W	H	L	
M54B	Minimix 150	Honda GX120	4 / 2.9	130	90	10-24	605	890	1220	61
M52B	Minimix 150	Robin EH09	2.8 / 2.1	130	90	24	605	890	1220	60.5
M22B	Minimix 150	110v (60Hz)	0.75 / 0.55	130	90	24	605	890	1220	55
M18BE	Minimix 150	230v - EURO1	0.75 / 0.55	130	90	24	605	890	1220	55

*Weight stand: 9.5kg



**Economic light weight mixer.**

Economical, used by DIY or semi-professionals.

These upright mixers use a proven motor and gear system to provide reliable mixing.

 **230** - 50Hz

**ADVANTAGES**

- The builder's choice for portability and safety
- Loads or tips either side for fast operation
- Barrow height discharge
- Easy to maintain
- Electric
- CE compliant, with NVR (No Volt Return) safety power switch
- Extra light weight vertical mixers, easily maneuverable
- Compact design

Mixing

Ref	Model	Motor Power (hp / kW)	Drum Volume (litres)	Mixing Output (litre)	Drum Speed (rpm)	Dimensions (mm)			Weight (kg)
						W	H	L	
MU27	TBE 130 Electric 230v 50hz	0.6 / 0.45	130	80	29	790	1230	1160	50
MU28	TBE 165 Electric 230v 50hz	0.6 / 0.45	165	100	29	790	1295	1160	53

Supplied Ex-Works Belle Poland, minimum order quantity -
65 units (1 40ft container), 33 units (1 20ft container)

France minimum order quantity - 10 units





Compact and robust professional mixer.

Ideal compromise between medium capacity and high professional performance machines.

These upright mixers use a proven motor and gear system to provide reliable mixing.



ADVANTAGES

- The builder's choice for portability and safety
- Loads or tips either side for fast operation
- Barrow height discharge
- Easy to maintain
- Electric
- CE compliant, with NVR (No Volt Return) safety power switch
- Poly-V belts to obtain the best traction, sensible noise and vibration reduction
- Strong design of drum, frame and rubber tyres
- High resistant and quality component operating features,
- Foot pedal and tipping wheel mechanism with several mixing positions
- Pinion protection for safe operator use



Mixing

Ref	Model	Motor Power (hp / kW)	Drum Volume (litres)	Mixing Output (litre)	Drum Speed (rpm)	Dimensions (mm)			Weight (kg)
						W	H	L	
MU01	BWE 80 Electric 230v	0.6 / 0.45	130	80	29	750	1290	1340	60
MU02	BWE 110 Electric 230v	0.6 / 0.45	165	110	29	750	1355	1340	62
MU29	BWE 130 Electric 230v	0.6 / 0.45	180	130	29	750	1400	1340	67

Supplied ex-works Belle Poland, minimum order quantity - 66 units (1 40ft container), 33 units (1 20ft container)

France minimum order quantity - 10 units





Professional robust mixers.

Large capacity on-site mixers with all the features that professional builders need.

The design and manufacture of these mixers provides the performance and durability for continuous use on large building projects.

230 400



ADVANTAGES

- Strong construction for reliable operation
- Loads or tips either side for fast operation
- Foot operated tipping lock gives operators safe control
- Electric - 230v or 400v
- Easy to maintain
- CE compliant, with NVR (No Volt Return) safety power switch

Ref	Model	Motor Power (hp / kW)	Drum Volume (litres)	Mixing Output (litre)	Drum Speed (rpm)	Dimensions (mm)			Weight (kg)
						W	H	L	
MU03	BWE 150 Large electric mixer 400v	1.5 / 1.1	300	150	25	1100	1500	1900	185
MU04	BWE 150 Large electric mixer 230v	2 / 1.5	350	150	25	1100	1500	1900	185
MU05	BWE 200 Large electric mixer 400v	1.5 / 1.1	350	200	25	1100	1560	1900	190
MU06	BWE 200 Large electric mixer 230v	2 / 1.5	350	200	25	1100	1560	1900	190
MU07	BWE 250 Large electric mixer 400v	2 / 1.5	400	250	26	1150	1600	1950	240
MU08	BWE 250 Large electric mixer 230v	2.9 / 2.2	400	250	26	1150	1600	1950	240

Minimum order quantity -
BWE 150 & BWE 200 - 16/32 units (1 20/40ft container) / BWE 250 - 10/25 units (1 20/40ft container) - Supplied ex- works Belle Poland





Heavy duty mobile site mixer

Large capacity on-site mixers with all the features that professional builders need.

The design and manufacture of these mixers provides the performance and durability for continuous use on large building projects.



ADVANTAGES

- Loads or tips either side for fast operation
- Foot operated tipping lock gives operators safe control
- CE compliant, with NVR (No Volt Return) safety power switch
- Draw bar and steering axle

Mixing

Ref	Model	Motor Power (hp / kW)	Drum Volume (litres)	Mixing Output (litre)	Drum Speed (rpm)	Dimensions (mm)			Weight (kg)
						W	H	L	
MU10	Superior 300D Lombardini Diesel (4 wheels)	4.8 / 3.5	280	150	25	1155	1598	1765	255
MU12	Superior 300E Electric 230v (4 wheels)	2 / 1.5	280	150	25	1155	1598	1765	233
MU16	Superior 350D Lombardini Diesel (4 wheels)	4.8 / 3.5	333	200	25	1155	1660	1765	260
MU18	Superior 350E Electric 230v (4 wheels)	2 / 1.5	333	200	25	1155	1660	1765	238
MU22	Superior 400D Lombardini Diesel (4 wheels)	4.8 / 3.5	380	250	26	1155	1935	2135	310
MU24	Superior 400E Electric 230v (4 wheels)	2.9 / 2.2	380	250	26	1155	1935	2135	288

Superior 300-350 : 11/21 units (1 20/40ft container) / Superior 400 : 10/20 units (1 20/40ft container)

Minimum order quantity - 10 Units Supplied ex- works Belle Poland



High performance heavy duty mobile site mixer

An advanced range of mixers that adds even more durability to the proven Premier mixers.

To match site requirements four drum sizes are available to give different batch mixing capacities. All sizes share the same advantages built in as standard.



ADVANTAGES

- Rigid mixing drum with reinforced rim
- Enhanced mixing performance from a unique paddle design
- Foot operated tipping lock gives operators safe control
- Stronger, easy to clean chassis
- High specification gearbox to survive the worst site conditions
- Lockable engine compartment, the new Premier operates with the lid closed



Ref	Model	Motor Power (hp / kW)	Drum Volume (litres)	Mixing Output (litre)	Dimensions (mm)			Weight (kg)
					W	H	L	
PM89	Premier 150 XT Yanmar Diesel L48AE	4.7 / 3.5	300	160	900	1567	1790	344
PM45	Premier 150 XT 230v 1ph Electric	2 / 1.5	300	160	900	1567	1790	313
PM90	Premier 175 XT Yanmar Diesel L48AE	4.7 / 3.5	350	180	900	1527	1890	351
PM46	Premier 175 XT 230v 1ph Electric	2 / 1.5	350	180	900	1527	1890	321
PM91	Premier 200 XT Yanmar Diesel L48AE	4.7 / 3.5	400	220	900	1597	1890	354
PM47	Premier 200 XT 230v 1ph Electric	2 / 1.5	400	220	900	1597	1890	323





Towable site mixers

Belle introduces a range of road towable site mixers built for high performance and portability.

The Tract-Mix road towable mixer feature the latest approved towing system with tail lights.

ADVANTAGES

- Rigid frame for good stability with bolted-in paddles
- Enhanced mixing performance with a multi-vee belt for consistent drive and rotation
- Added protection of key machine areas - ring gear and lockable engine box
- Stronger, easy to clean chassis
- Rugged geardrive to survive the worst site conditions
- Adjustable leg height
- High quality wheel suspension
- Large hand-wheel for easy tipping with foot pedal locking system

HONDA



Mixing

Ref	Model	Motor	Power (hp / kW)	Drum Volume (litres)	Mixing Output (litre)	Dimensions (mm)			Towing L	Weight (kg)
						W	H	Mixing L		
TMR308Y	Tract-Mix 360 Yellow	Petrol Honda GX160	5.5 / 4	350	250	1050	1800	1850	2240	330
Options										
944/99138	Mudguards & brackets									
OPM-09-DIO	Towing Socket 50mm dia. inc. draw bar									





Concrete Dissolver

BELLE-CLEAN is an acid alternative with no odours or fumes. It attacks the Portland in cement, completely dissolving the hardened cement to a mushy substance that is completely rinseable with cold water.

BELLE-CLEAN can be used to remove cured cement, concrete, mortar, grout or render off any surface.

For use on : Mixers, Trowels, Screeds, Pokers, Floats, Cement trucks, Block splitters, Saws, Patios, Wooden decks, Vehicles and much more...

ADVANTAGES

- No Phosphoric Acid
- No Hydrochloric Acid
- Non Corrosive
- Non Hazardous to Equipment
- Non Fuming
- No toxic to inhale
- Environmentally friendly : 100% Biodegradable
- Ready to use : does not need to be mixed before use
- For best results use the FOAM application, achieved by twisting nozzle to word 'FOAM'

Mixing



Ref Model

CD00650	1 x 650 ml Bottle
CD15650	15 x 650 ml Bottles
CD19000	1 x 18.9 litre Drum
CD20000	1 x 200 litre Drum



Belle Group offers a complete range of concrete equipment including :

An extensive range of Mechanical drive pokers, electric portable pokers, electric high frequency and pneumatically driven pokers.

Belle offers a choice of beams and screeds to vibrate, compact and level concrete including walk behind screeds, double beams and modular screed systems as well as roller strikers.

Belle also offers a range of trowels from 600 mm to 1200 mm together with hand tools and accessories.

Concrete poker vibrators



Megavib+ Portable electric Pokers	40
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Vibrating screeds and beams



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Easy Screed Pro from 1.9 -6m	47
Pro-Screed Modular screed system	48
Porto Screed and double beam from 3.25 -7.2m	50

Trowels



600mm Edging Trowel.....	51
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Hand-held Finishing tools



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Portable electric poker

A **high frequency** hand held poker system comprising interchangeable drives, flexible shafts and poker heads. Giving portable performance, ideal for small volumes of concrete.



**110
230**



ADVANTAGES

Flexible Shaft: Reinforced hose ends

Electric Drive Unit : Lightweight power - Double insulated

Ref	Model	Power (v - kW)	Lenght (m)	Vibration amplitude (mm)	Action diameter (mm)	Force Output (N)	Speed rotation (rpm)	Weight (kg)
36,48 or 57mm Megavib+ complete = Drive Unit + Flexible Shaft + Poker Head								
26mm Megavib+ complete = Drive Unit + Shaft/Head assembly								
Electric Drive Unit								
244/00100	Megavib+	110 - 1.6						6
244/00200	Megavib+	230 - 2.3 (Schuko plug - 2 pin european)						6
244/00300	Megavib+	230 - 2.3 (CEE 16A plug - 3 pin industrial)						6
Flexible Shaft								
244/00400	Megavib+ Flexible Shaft		2	for 36, 48 & 57mm poker heads				4
244/00500	Megavib+ Flexible Shaft		3	for 36, 48 & 57mm poker heads				5
244/00600	Megavib+ Flexible Shaft		4	for 36, 48 & 57mm poker heads				6
Poker Head								
244/00700	Megavib+ 36mm (1 1/2")		-	1.32	288	1750	12000	1.9
244/00800	Megavib+ 48mm (1 7/8")		-	1.84	400	5250	12000	3.6
244/00900	Megavib+ 57mm (2 1/4")		-	1.98	456	7400	12000	4.1
Shaft/Head assembly 26mm								
244/01000	Megavib+ 26mm (1")		2	1.25	208	910	12000	5.6
244/01100	Megavib+ 26mm (1")		3	1.25	208	910	12000	6.6
244/01200	Megavib+ 26mm (1")		4	1.25	208	910	12000	7.6



Vibratronic high frequency pokers with inbuilt inverter

Smallest electronic converter box in the market Vibratronic has been intensively tested under severe site and climate conditions.

**110
230**

**ADVANTAGES**

- **Outstanding performance:** High compacting rate, reliable in operation, even under toughest site conditions. The motor speed remains constant no matter what the properties of the freshly mixed concrete. Vibratronic provides maximum compaction diameter and compaction performance.
- **Simply plug in:** suitable for either 230V-1-50/60 Hz or for 110V-1-50/60 Hz. The converter is an integral part of the switch box.
- **Compact design:** smallest frequency converter on the market. All components are fully protected and moulded into a sturdy but light-weight aluminium box.
- **Flexibility for many applications:** Connection to a single phase electric network with no need for an additional external converter
- **High equipment safety:** (thermal protections, switch protected against hazardous start-ups). All phases are short circuit proof. Progressive start-up controlled by electronic ramp, avoiding peak startup intensities. Can be plugged straight into a standard wall socket.



Ref	Model / Diameter (mm)	Power output (Kva)	Vibrations (rpm)	Tube Length (mm)	Frequency (Hz)	Centrifugal Force (N)	Rated Current (A)	Total overall Weight (kg)
BHF01	Vibratronic 35 - 110V	1.8	12000	283	200	750	7.8	9.5
BHF04	Vibratronic 35 - 230V	1.8	12000	283	200	750	7.8	9.5
BHF02	Vibratronic 51 - 110V	1.8	12000	294	200	2500	7.8	14
BHF05	Vibratronic 51 - 230V	1.8	12000	294	200	2500	7.8	14
BHF03	Vibratronic 57 - 110V	1.8	12000	337	200	4000	7.8	15.5
BHF06	Vibratronic 57 - 230V	1.8	12000	337	200	4000	7.8	15.5





Electric High Frequency Pokers

High performance pokers using the latest technology to give safe and reliable performance. A low voltage but high frequency electric supply powers a vibration motor in the poker head.

A converter is required to adapt the standard mains supply to the right voltage and frequency. For efficiency and reliability BGN pokers should be used with BGF converters.

ADVANTAGES

- Safe low voltage (42v) system
- Very low maintenance
- Powerful vibration specification
- High visibility in-line switch
- 10m of cable to the switch
- 5m of abrasion resistant hose to the poker
- Stretchable hydraulic hose
- Can be used with most 42v, 200hz 3 phase supplies
(Always check that the supply current is sufficient)



BGN-Turbo added benefits :

- Top of the range electric HF poker vibrator covering the largest sizes of internal vibration for the most extreme conditions and intensive use
- Special designed eccentric mass of heavy steel alloy resulting in centrifugal 40% increased centrifugal force and double amplitude
- 5 metre abrasion resistant 5mm thick reinforced operating hose
- Strong, protected switch box
- 10 metre electric cable with 42v plug, 200hz.

Concreting

Ref	Model	Diameter (mm) - (inch)	Head Length (mm)	Action diameter (mm)	Vibration amplitude (mm)	Centrifugal Force (N)	Supply Current (A)	Weight (kg)
245/00100	BGN+ 35	36 - 1 3/8	280	304	0.98	1390	5	12
245/00200	BGN+ 50	50 - 2	350	416	1.01	3485	7	14
245/00300	BGN+ 60	58 - 2 5/16	380	480	1.12	5165	8.5	15
245/00400	BGN+ 70	65 - 2 9/16	394	520	1.11	6670	13.2	18
245/00800	BGN 52 Turbo	52 - 2	382	520	1.02	3815	12.5	14
245/00500	BGN 58 Turbo	58 - 2 5/16	410	580	1.09	5520	13.5	16
245/00600	BGN 65 Turbo	65 - 2 9/16	425	650	1.13	7275	15.5	18
245/00700	BGN 75 Turbo	75 - 3	430	750	1.22	8460	17	21



High Frequency Converters

The most advanced converters available. A fully electronic design eliminates all common converter problems. All the electronic components are fully protected electrically and mechanically to make the BGF extremely reliable.

5 models are available to power BGN poker or other 42v 200Hz 3 phase equipment.



ADVANTAGES

- Provides safe 42v 200Hz 3ph Electric supply
- Zero maintenance required
- Protected by a tubular steel frame
- Compatible with 50 or 60Hz supply
- Adjustable output frequency
- Full technical support available

BGF 24

- 230v Single phase input with two outlet sockets 42v
- 1.5 (kva) - Protection index IP 44
- Operating temperature: -10°C to +90°C

BGF 24T

- 400v Three phase input with two outlet sockets 42V
- 1.5 (kv A) - Protection index IP 44
- Operating temperature: -10°C to +90°C

BGF 28M

- 230v Single phase input with two outlet sockets 42V
- 2 (kv A) - Protection index IP 65 -
- Operating temperature -20°C to +40°C

BGF 28T

- 400v Three phase input with two outlet sockets 42V
- 2 (kv A) - Protection index IP 65
- Operating temperature: -20°C to +40°C

BGF 74

- 400v Three phase input with four outlet sockets 42V
- Complete with transport wheels and handle
- 5 (kv A) - Protection index IP 65 - Operating temperature: -20°C to +40°C

Select the correct model to ensure output current is greater than the anticipated load.



Ref	Model	Supply Input (V)	Phase	No. of Output Sockets	Output Current (A)	Dimensions (mm)			Weight (kg)
						W	H	L	
112.9.903	BGF 24 Frequency converter	230	1	2	21	270	385	525	32
112.9.904	BGF 24T Frequency converter	400	3	2	21	270	385	525	32
112.9.900	BGF 28M Frequency converter	230	1	2	28	400	500	500	25
112.9.901	BGF 28T Frequency converter	400	3	2	28	400	500	500	25
112.9.902	BGF 74 Frequency converter	400	3	4	65	450	600	550	42



Mechanical poker

Flexible shaft poker Vibrators for high vibration power in concrete and designed to meet the toughest site conditions.

Available with a wide range of diameters from 25 to 68mm




ADVANTAGES

- Single-piece rotating pendulum vibrator, generating 12000 rpm.
- Designed to the highest quality standard for long and trouble free working life.
- Over 5 metres of flexible shaft made of special spun steel and steel coil casing hose reinforcement.
- Choice of petrol or diesel power units with compact protective steel frame, easy to move on sites.
- Delivered with a universal Two-Dog drive coupling (compatible with Dynapac and Wacker), also Asian coupling kit available
- No special maintenance needed.

Ref	Model	Poker Diameter (mm) (inch)		Head length (mm)	Shaft length (m)	Frequency (Hz)	Amplitude (mm)	Weight (kg)
165.9.000	BGA 25 Flexible Shaft Poker	25	1	295	5	187	0.8	9.5
165.9.001	BGA 35 Flexible Shaft Poker	35	1 3/8	330	5	187	1.2	11.6
165.9.002	BGA 45 Flexible Shaft Poker	45	1 3/4	375	5	187	1.2	16
165.9.003	BGA 55 Flexible Shaft Poker	55	2 3/16	390	5	187	1.2	17
165.9.004	BGA 68 Flexible Shaft Poker	68	2 11/16	410	5	187	1.0	21



MAINTENANCE KIT P.54

Ref	Power Unit Model	Motor Power (hp / kW)	Engine Speed (rpm)	Dimensions (mm)			Weight (kg)
				W	H	L	
165.9.038	Power Unit Honda GX160 Petrol	5.5 / 4	2800	420	520	445	26
165.9.036	Power Unit Robin EX17 Petrol	6 / 4.4					
165.9.049	Power Unit Lombardini Diesel	4 / 3	2800	430	630	500	38
165.9.034	Power Unit Hatz 1B20 Diesel	4 / 3					



Pneumatic poker

A range of pokers that include special features to improve reliability and reduce downtime.



ADVANTAGES

- Twist grip throttle control
- Claw coupling and 4m of air hose included
- Oil feed from the in-line oiler
- Vibration specification for high productivity
- Removable nose cone, on site servicing possible
- Only one wearing part (Tufnol Vane)
- BGP155 for the heaviest duty applications

Ref	Model	Diameter (mm) (inch)		Head Length (mm)	Frequency (rpm)	Amplitude (mm)	Centrifugal Force (N)	Air supply (cfm) (m ³ /min)		Weight (kg)
166.9.021	BGP 27 poker	28	1 1/8	235	21000	1.0	1440	17.7	0.5	4.4
166.9.022	BGP 37 poker	35	1 3/8	288	20000	1.3	1924	21.2	0.6	5.8
166.9.019	BGP 47 poker	45	1 3/4	312	18000	1.7	3500	26.1	0.74	7.6
166.9.017	BGP 57 poker	55	2 3/16	331	18000	2.4	6050	29	0.82	8.7
166.9.020	BGP 67 poker	65	2 1/2	352	17500	2.0	9301	36	1.02	10
166.9.012	BGP 77 poker	75	3	391	16000	1.8	14851	43	1.2	13.9
166.9.018	BGP 87 poker	85	3 5/16	410	15900	2.0	27730	56.5	1.6	19
166.9.016	BGP 107 poker	105	4 1/8	415	15000	3.0	33309	74	2.1	23
166.9.009	BGP 155 poker solid shaft	140	5 1/2	430	12000	3.5	32460	99	2.8	35



MAINTENANCE KIT P.54



BGP 155



Single beam 2m

At 2m wide this gives high productivity, with a twist to tilt mechanism so the blade can be angled for pushing or pulling across the slab.

HONDA  **230**



ADVANTAGES

- Developed for the increasingly popular 'free screeding' technique
- Choice of drive options
 - Electric, or Petrol
- Direct drive vibrator assembly
- Special extruded 2m aluminium blade for increased productivity
- Tilting head allows push and pull operation
- Electric versions supplied with 3 x 1.5m handle sections

For full compaction of deep slabs, initial poker vibration is recommended

Concreting

Ref	Model	Engine		Frequency (Hz)	Weight (kg)	Dimensions (mm)		
		Power (W)				W	H	L
157.9.007	Easy Screed 200 Electric 230V	350		200	16.5	430	295	2000
157.9.020	Easy Screed 200 4 stroke GX22 Honda Petrol	740		100	17	430	295	2000





Screeding without formwork is becoming a popular time saving technique.

The Easy Screed has an easily detachable twin handle power unit that clamps on to beams of various lengths. The aluminium beam has a profile suitable for 'free screeding' or by reversing the same beam can be used for striking off across from formwork.

HONDA



ADVANTAGES

- Quick clamp-on 4-stroke petrol power unit
- Unique beam section allows 'free screeding' or striking off from formwork
- Straight drive shaft for the highest reliability
- Variable centrifugal force to suit beam width and concrete slump
- Adjustable handle height for operator comfort
- Extra rigid, structurally engineered, extruded aluminium beams
- 8 different beam lengths to suit your applications.
- Easy to maintain and transport

Ref	Model	Engine Power (hp / kW)	Frequency (Hz)	Max. Compaction Depth (mm)	Weight (kg)	Dimensions (mm)		
						W	H	L
157.9.010	Petrol drive unit Easy Screed PRO	GX31 Honda 1.5 / 1.1	83	75	14.6	700	440	1040
157.3.001	Easy Screed beam - 1.9m	For full compaction of deep slabs, initial poker vibration is recommended. Two drive units should be used on 5.5 and 6m beams.			7.8	200	100	1900
157.3.002	Easy Screed beam - 2.5m				10.3	200	100	2500
157.3.003	Easy Screed beam - 3m				12.3	200	100	3000
157.3.004	Easy Screed beam - 3.75m				15.4	200	100	3750
157.3.005	Easy Screed beam - 4.25m				17.5	200	100	4250
157.3.006	Easy Screed beam - 5m				20.5	200	100	5000
157.3.007	Easy Screed beam - 5.5m				22.6	200	100	5500
157.3.008	Easy Screed beam - 6m				24.6	200	100	6000





Air, Petrol or Electric powered screed

World's most sold modular screed

The Pro-Screed compacts, levels and finishes concrete floors, pavements, runways and bridges up to 25m wide in one pass. The Pro-Screed gives very flat surfaces or can be set to form a crown or invert to design specifications.

ADVANTAGES

- Required screed widths built from three section sizes 7.5' (2.28m) 5' (1.52m) 2' (0.61m)
- Screed widths from 3m to 25m (15.5m max for Petrol option)
- Deep compaction - 300mm
- High output up to 75m³ per hour
- Special attachments available for various applications

Air powered :

Each section is fitted with piston vibrators, these provide an even vibration along the full screed length.

Petrol or Electric Powered:

The engine spins a shaft fitted with eccentric weights.

The drive unit adds 0.45m to the width of the machine.

Note : Use an Air Pro Screed for full compaction depth in very low slump concrete



Recommended Pro-Screed widths & sections required (overlap for riding on forms included)

Bay Width (m)	3.5	4	5	6.5	7	8	9.5	10	11	12.5	13	14	15.5
Air Screed width (m)	3.81	4.58	5.33	6.86	7.62	8.38	9.91	10.67	11.43	12.95	13.72	14.48	16.0
Sections required													
0.61m	0	0	0	0	0	0	0	0	0	0	0	0	0
1.52m	1	0	2	0	2	1	2	1	0	1	0	2	0
2.28m	1	2	1	3	2	3	3	4	5	5	6	5	7
Petrol Screed (m)	4.27	4.88	5.80	7.32	7.93	8.85	10.22	10.36	11.73	13.26	13.41	14.78	15.7
Sections required													
0.61m	0	1	0	0	1	0	1	0	1	1	0	1	0
1.52m	1	1	2	0	0	1	0	2	1	2	1	0	1
2.28m	1	1	1	3	3	3	4	3	4	4	5	6	6

note: If the width exceeds 10.5m, reinforcement boxes should be fitted at each joint

Section size (m / ft)	Frequency Air (Hz)	Frequency Petrol (Hz)	Air Consumption		Weight Air (kg)	Weight Petrol (kg)
			(cfm)	(m ³ /min)		
0.61 / 2	158	67	9	0.26	14	21
1.52 / 5	158	67	18	0.52	35	42
2.28 / 7.5	158	67	27	0.78	52	64



Ref Model

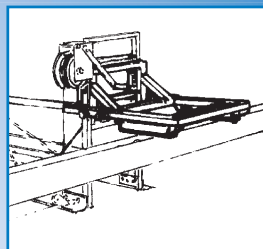
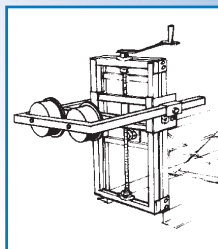
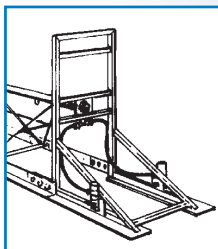
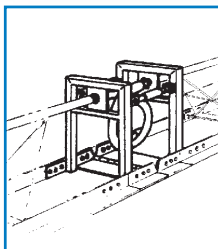
Air Driven

102.9.002	Air Section 0.61m (2')
102.9.005	Air section 1.52m (5')
102.9.007	Air section 2.28m (7.5')
102.9.015	Air Drive Kit c/w end handles, winches, lubricator, valve

Ref Model

Engine Driven

102.9.102	Petrol / Electric section 0.61m (2')
102.9.105	Petrol / Electric section 1.52m (5')
102.9.107	Petrol / Electric section 2.28m (7.5')
102.9.014	Petrol Drive Kit (GX240) c/w end handles winches, drive unit
102.9.008	Electric 380v/415v Drive Kit c/w end handles, winches, drive unit



Ref Model

Pro-Screed Attachments

102.3.039	Crown Invert bracket - Air
102.34.000	Extension Handles 12"
	Air (with Vibrators)
102.55.000	Extension Handles 18"
	Air (with Vibrators)
102.56.000	HD. Bridge Deck Handle c/w rollers
102.27.000	Adjustable End Bracket
102.27.001	Adjustable End Bracket c/w Rollers
102.20.895	Centre Winch Assembly c/w Winch
102.0.013	Circular tank pivot Bracket

Ref Model

Principal Parts

102.3.011	Handle End c/w grip
102.18.670	Heavy duty winch - Left
102.10.100	Heavy duty winch- Right
102.11.000	Pneumatic vibrator
102.16.000	Air Lubricator Complete
15.0.316	Air Lubricator
102.36.000	Reinforcement box



Double beam

A new advanced Porto Screed, uses robust aluminium beams to strike off, vibrate and level concrete in bays up to 7 metres wide and 150mm deep.

No tools or backing beams are necessary to clamp the power unit on to the aluminium beams.

HONDA



ADVANTAGES

- Easy to clean plated drive unit
- Low hand-arm vibration with comfort grip handles
- Quick clamping for rapid on site assembly, without tools
- Solid end handles or rope handles for pulling from the side of the slab
- Fully enclosed drive system for lower maintenance
- Applications range from factory floors and bridge decks to paths and drives



Ref	Model	Weight (kg)	Engine (hp/kW)	Frequency (Hz)	Force (kN)	Compaction Depth (mm)	Dimensions (mm)		
							W	H	L
Drive unit only									
149.9.000	Petrol Honda GX120	49	4 / 3	80	3	150	704	440	1040
149.9.001	Petrol Robin EX13	52	4.5 / 3.4	80	3	150	704	440	1040
Aluminium beams only (set of 2)			<i>A complete New Porto Screed comprises:</i> Option 1. Drive unit + beams (Set of 2) + end frames + pull handles (Optional) Option 2. Drive unit + extending beams (3.25 - 5.2m) + pull handles (Optional) Two drive units ensures 150mm compaction depth on 6.2 and 7.2m beams						
36.8.031	5.2 m	48							
36.8.032	6.2 m	57							
36.8.033	7.2 m	66							
Extending beams complete									
149.3.004	3.25 to 5.2m	56							
149.3.003	End brackets (set of 2)								
149.3.001	Solid end pull handles (set of 2)								

Edging trowels

Ideal for small areas, up to walls and through doorways. The Electric option allows working in buildings without special ventilation.



HONDA

230V

ADVANTAGES

- Compact and highly portable with folding handle
- Spinning guard allows a rolling action against walls
- Well balanced and easy to handle
- Hand wheel adjustment for blade pitch control



Concreting

Ref	Model	Power (hp/kw)	Trowelling Diameter (mm)	Trowelling Speed (rpm)	Dimensions (mm)			Weight (kg)
					W	H	L	
MT01	PRO 600X GX120 Honda Petrol	4 / 3	600 24"	50 - 115	600	930	1500	53
MT03	PRO 600 Electric 230V	3 / 2.1	600 24"	130	600	930	1500	73





Trowels with foldable handle

Designed to provide contractors with the features and performance they need. These machines are used for long periods so the Pro Trowel gives improved operator comfort and easy control.

Smooth running helps achieve a high quality finish.

HONDA



ADVANTAGES

- Designed for continuous use on large floors
- Advanced drive belt gives constant power
- Two year warranty on gearboxes
- Accurate screw adjusted pitch control
- Engine cut out, stops the trowel safely
- Minimum effort required to hold the 'dead man' safety lever
- Comfort bar to cushion the operator's hip
- Lift up side guards enable trowelling right up to walls
- Chrome plated rings for easy cleaning
- Central lifting point
- Trowels PRO 900/1200 delivered with combination blades

Concreting

Ref	Model	Power (hp/kw)	Trowelling Diameter (mm)	Trowelling Speed (rpm)	Dimensions (mm)			Weight (kg)
					W	H	L	
PT931 PT951	PRO 900M GX160 Honda PRO 900M GX160 Honda foldable handle	5.5 / 4	910	65-131	975	1008	2021	98
PT936 PT956	PRO 900M EX17 Robin PRO 900M EX17 Robin foldable handle	6 / 4.5	910	65-131	975	1008	2021	98
PT1231 PT1251	PRO 1200M GX270 Honda PRO 1200M GX270 Honda foldable handle	9 / 6.7	1170	65-131	1206	1008	2130	117
PT1236 PT1256	PRO 1200M EX27 Robin PRO 1200M EX27 Robin foldable Handle	9 / 6.7	1170	65-131	1206	1008	2130	117



Trowels with quick pitch adjustment

Upgraded specifications for top performance levels. These trowels give the operator faster control to increase productivity and improve slab quality.


HONDA


ADVANTAGES

- 'Pro Tilt' - Positive action lever operated pitch control
- Comfort bar to cushion the operator's hip
- Lift up side guards enable trowelling right up to walls
- Chrome plated rings for easy cleaning
- Central lifting point
- Trowels PRO TILT900/1200 delivered with combination blades



Concreting

Ref	Model	Power (hp/kw)	Trowelling Diameter (mm)	Trowelling Speed (rpm)	Dimensions (mm)			Weight (kg)
					W	H	L	
PT916 PT921	PRO TILT 900M GX160 Honda PRO TILT 900M EX17 Robin	5.5 / 4	910	65 -155	975	1008	2021	98
PT1216 PT1221	PRO TILT 1200M GX270 Honda PRO TILT 1200M EX27 Robin	9 / 6.7	1140	65 -155	1206	1008	2130	117



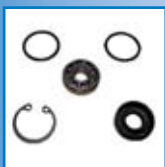
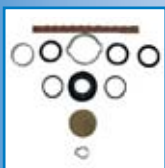
Accessories - Pokers

Maintenance Kits BGP (complete kit with all vane valve assembly)

166.3.001	Maintenance kit	BGP 27
166.3.002	Maintenance kit	BGP 37
166.3.003	Maintenance kit	BGP 47
166.3.004	Maintenance kit	BGP 57
166.3.005	Maintenance kit	BGP 67
166.3.006	Maintenance kit	BGP 77
166.3.007	Maintenance kit	BGP 87
166.3.008	Maintenance kit	BGP 107

Maintenance Kits BGA

165.3.010	Maintenance Kit	BGA 25
165.3.011	Maintenance Kit	BGA 35
165.3.012	Maintenance Kit	BGA 45
165.3.013	Maintenance Kit	BGA 55
165.3.014	Maintenance Kit	BGA 68



Pro Trowels Accessories

High quality Blades and Discs to give the best performance from your Pro Trowel.

ADVANTAGES

- Quality expendable blades, pans and discs
- Competitive prices
- Accurate fit and genuine parts

600mm Trowel Blades and Discs

945/99518	PRO 600 Bolt on Finish Blades, 4
945/00200	PRO 600 / PRO600X Float Disc / Pan

900mm Trowel Blades and Discs

111.8.000	PRO 900 Float Blades, 4
111.8.001	PRO 900 Finish blades, 4
111.8.002	PRO 900 Combination blades, 4
128.8.000	PRO 900 Float Disc / Pan

1200mm Trowel Blades and Discs

111.8.010	PRO 1200 Float blades, 4
111.8.011	PRO 1200 Finish blades, 4
111.8.012	PRO 1200 Combination blades, 4
160.8.000	PRO 1200 Float Disc / Pan
168.8.000	Clip-on finish blades for Dynapac (BG33/BG37/BG38)

Finish

Combination

Float

Clip-on Finish

Float Disc / Pan



Hand tools

Smooth or texture wet concrete to the required finish. Just twist the long handle and the swivel head angles the blades for pushing or pulling across the slab.



Big Blue

Tempered 'Blue' steel blade with rounded corners
c/w Swivel & 3 snap fitting handles



Bull Float

Lightweight magnesium alloy blade with reinforced section to prevent warping. c/w Swivel & 3 snap fitting handles

Ref	Model	Width (mm)	Depth (mm)	Total Handle length (m)	Head Weight c/w swivel (kg)	Total Handle Weight (kg)
50901	Bull Float c/w swivel & handle	1200	200	5.4	6	3.6
50903	Big Blue c/w swivel & handle	1200	300	5.4	11.1	3.6
50905	Fresno Broom c/w swivel & handle	900	220	5.4	4.8	3.6
50.9.005	Concrete Placer	495	115	1.4	1.5	0.5
50.9.007	Concrete Rake	570	130	1.4	1.5	0.5



Concrete rake



Concrete placer



Fresno Broom

Combination tool for applying a consistent brushed finish.
c/w Swivel & 3 snap fitting handles.

Belle offer two types of heavy duty submersible drainage pumps allowing water removal from all construction sites :

Submersible flexible shaft pump 72M3/h with petrol or diesel engine and Hydraulic pump.

Power and performance for a multitude of applications.



Submersible flexible shaft pump BGA



..... 57

Hydraulic submersible pump



..... 58





Submersible flexible shaft pump 72 M³/H

High capacity submersible pump for draining and removal of water from trench and building sites without use of electric power.

HONDA



LOMBARDINI

ADVANTAGES

- Pump with high output and a capacity of 72M³/H
- Cast steel impeller
- Solid size capacity : 15mm
- High quality components and strong flexible shaft, 5m or 7m
- Easy to use : Priming not necessary
- Two-dog coupling identical to BGA poker vibrators which enable compatibility and versatility in utilisation between water removal and concreting work
- Autonomous, portable and light weight in size, this pump can be used in a multitude of applications
- Same engine power units used together with BGA poker vibrators
- Discharge hose of 10 meter and 3" (75mm), fireman's quick release coupling options available
- 2800 rpm, max. head height 13m



Cast steel impeller



Complete pumps

Ref	Model	Detail
165.9.047K + 165.9.038	Complete BGA pump 5m with accessories	BGA pump with 5m hose + fireman couplings 3" + discharge hose 10m + drive unit HONDA GX160
BGAP02K + 165.9.038	Complete BGA pump 7m with accessories	BGA pump with 7m hose + fireman couplings 3" + discharge hose 10m + drive unit HONDA GX160

165.9.047K
+ 165.9.038



BGAP02K
+ 165.9.038



Lay flat hose
complete with
clips



Fireman's
coupling



Separate items

Ref	Power Unit Model	Motor Power (hp / kW)	Engine Speed (rpm)	Dimensions (mm)			Weight (kg)
				W	H	L	
165.9.038	Power Unit Honda GX160 Petrol	5.5 / 4	2800	420	520	445	26
165.9.036	Power Unit Robin EX17 Petrol	6 / 4.4	2800	420	520	445	26
165.9.049	Power Unit Lombardini Diesel	4 / 3	2800	430	630	500	38
165.9.034	Power Unit Hatz 1B20 Diesel	4 / 3	2800	430	630	500	43
165.9.047	BGA pump with 5m hose						22
BGAP02	BGA pump with 7m hose						28
OPB/01/DIO	Lay flat hose complete with clips						
OPB/02/DIO	Fireman's coupling						



Submersible hydraulic pump

Submersible Hydraulic water pump with great capacity for removal of water from building sites and trenches.



ADVANTAGES

- Heavy duty applications combined with flow up to 52M³/H
- Hydraulic system providing power and great longevity
- Hydraulic flow of 20 litres/min, 140 bars
- Cast steel impeller
- Connected to a Belle compact hydraulic power pack, this unit ensures complete autonomy on construction sites and without use of electric power
- Belle hydraulic water pump can be run by either Midi 20-140 or Major 20-160X
- Optional accessories; hydraulic hose of 7 meters and discharge hose of 10 meters (delivered with hydraulic power packs)
- Maximum discharge head: 25 meters



Ref	Model	Capacity (M ³ /H)	Discharge hose (bars)	Hydraulic flow alone (kg)	Oil pressure with hose (kg)	Weight of pump	Weight of pump
2322-S	Heavy duty water pump (Midi/Major)	52	50 mm / 2'	20	140	10	26
Options							
2210-H	2" Discharge Hose						
2262	Main hose set (Midi/Major)						



Ref	Model Hydraulic Power Pack	Power (hp / kW)	Pressure (Bar)	Flow (l/min)	Dimensions (mm)			Weight (kg)
					W	H	L	
PAN20140	Midi 20-140 Petrol Honda	9 / 6.6	140	20	550	570	750	60
PAN20160X	Major 20-160X Petrol Honda	13 / 9.6	160	20	555	586	807	72



Belle offers a range of cutting equipment : floor saws, bench and tile saws, block splitters as well as diamond blades.

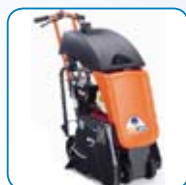
Belle **floor saws** from 350 to 600mm are specially design for optimal precision and high capacity cutting of concrete and asphalt.

The Belle **Benchsaws** are designed for cutting all types of building materials including masonry, tile and brick products.

Belle's range of **block splitters** are designed to improve the speed of laying block paving.

Belle offers a full range of **diamond blades** for all types of construction materials including hard material, general masonry, abrasive material and asphalt.

Floor saws



AFS 350 Floor saw 350mm	60
Compact X.....	61
Ranger 450 Floor saw 450mm	62
CFS Floor saw 600mm	63

Block splitter



Block splitter for block paving	64
Heavy duty block splitters for larger applications ...	65

Bench saws



BC350 bench saw 350mm	66
Ambassador bench saw 500mm	67

Diamond blades



General purpose blades	68
Multi-material specialist blades.....	71



Floor saw 350mm

The design minimises Hand-arm Vibration (HAVS) and maximises productivity. With comfortable operation, enclosed guard and dust suppression, the AFS is the safest saw for operators and bystanders.

HONDA


ADVANTAGES

- Low Hand-Arm Vibration
 - minimises the risk of HAVS
- Enclosed blade guard
 - blade is fully guarded even when raised.
- Easily transported with removable handle
 - fits in the back of small van
- Protected blade
 - the saw can be transported with the blade fitted
- Gas strut depth control
 - infinite depth of cut control
- Dampened blade lowering
 - avoids blade damage from shock loading
- Finger tip depth control
 - good ergonomics, simple operation
- Water dust suppression
 - for less hazardous and intrusive working
- Long wheel base and fixed frame
 - increased stability for smoother cutting

Ref	Model	Power (hp / kW)	Blade size (mm)	Max Depth of cut (mm)	Dimensions (mm)			Weight (kg)
					W	H	L	
154.9.000	AFS350 Advanced floor saw Petrol GX 390 Honda	13 / 9.6	350 x 25.4	127	540	1070	1000	95

See the diamond blade page to select a blade for your application



350mm Floor Saw

The low weight and compact size combined with fast cutting speeds make this saw ideal for all floor and road repair work in concrete and asphalt. With the removable water tank it is totally independent of other equipment and is very practical for remote sites.

Now with low hand-arm vibration


HONDA

ADVANTAGES

- Easily transported (fits in the back of small van)
- Specially moulded 25 litre detachable water tank
- Effective dust suppression, vital in built up areas
- Foot operated depth adjustment for speed, simplicity and safety
- Maximum power transmission with 4 belts
- Adjustable handle height
- Triple sealed bearings
- Robust construction to survive the heaviest contract work
- Lifting frame that protects the engine as standard
- Low hand-arm vibration levels - patented design



Ref	Model	Power (hp / kW)	Blade size (mm)	Max Depth of cut (mm)	Dimensions (mm)			Weight (kg)
					W	H	L	
CSXA01	Compact X Petrol Honda Orange	13 / 9.6	350 x 25.4	127	510	800	800	96
CSXA02	Compact X Petrol Honda Yellow							

See the diamond blade page to select a blade for your application



Ranger 450



400- 450mm Contractors' and Rental' Floor Saw Professional floor saw

High capacity saw, heavy duty steel chassis, this rugged machine meets demands of tough materials and applications for long and trouble free operations.

The Ranger 450 is a very productive saw for all floor and road applications in concrete and asphalt.

Accurate control and good stability ensures smooth cutting and reduces blade wear. An ideal machine for rental and endurance.

HONDA
LOMBARDINI

ADVANTAGES

- Accurate easy moving 'Hand Wheel' depth adjustment
- Corrosion resistant water tank 50 litres
- Easy to operate and accelerate-efficient weight distribution
- Central lift points and handles fitted as standard
- Cutting depth gauge with indicator for both 400 & 450mm blades and cut -pointer guide fitted as standard
- Petrol Honda or Diesel Lombardini



Ref	Model	Power (hp / kW)	Blade size (mm)	Max Depth of cut (mm)	Dimensions (mm)			Weight (kg)
					W	H	L	
RAN01	Ranger 450 floor saw Honda GX390	13 / 9.6	400 x 25.4 450 x 25.4	120 160	650	950	1250	126
RAN03	Ranger 450 floor saw Lombardini 15 LD 440	11 / 8.1	400 x 25.4 450 x 25.4	120 160	650	950	1250	140



Floor saw 600mm

The CFS is the easiest alternative for road and flooring applications. Ideal for the larger sawing jobs, durable design and rugged performance make it perfect for motorways, road repairs, airports and large contracts, perfect for long term hires.



ADVANTAGES

- Hand operated chain drive rear axle, for straighter cuts
- Accurate 'Hand Wheel' depth adjustment
- Engine positioned on flexible angle mounts helps minimize vibration on blade for easier operation.
- Corrosion resistant water tank 95 litres
- Easy to operate and accelerate-efficient weight distribution
- Central lift points and handles fitted as standard
- Cutting depth gauge and cut-pointer guide fitted as standard



Ref	Model	Power (hp / kW)	Blade size (mm)	Max Depth of cut (mm)	Dimensions (mm)			Weight (kg)
					W	H	L	
CFS07	CFS 600 Diesel Hatz 1D50Z	10.2 / 7.5	600 x 25.4	235	890	1150	1350	270

See the diamond blade page to select a blade for your application





Block Paving splitter

The first block splitter designed specifically for block paving. The Minipave is the smallest and lightest machine available for cutting standard 100 x 200mm blocks.

The Minipave is ideal for domestic landscaping and small commercial projects where portability makes the operator's job quicker and easier.

ADVANTAGES

- Safe and simple operation - makes beginners into experts
- Works at floor level - faster working, you don't have to get up to cut
- Straight and accurate cutting - less wastage
- Four edge blade - increased expendable life
- Composite bearings - maintenance free operation
- Compact size - helps transportation and storage
- Lightweight - easy to handle
- Heavy duty - for the reliable service you expect from Belle



Ref	Model
155.9.000	Minipave block splitter
Replacement Blades	
155.0.025	Minipave blade (2 required per machine)



Cut Force (with 20kg applied)	3200 kg 31.4 kN
Blade Type	2 off 8mm Square section - 250mm long
Cam Movement	Block Clearance 3mm - Cutting 2mm
Adjustment Screws	Fast acting Trapezoidal - Movement 40mm
Block depth	Max 87mm - Min 47mm
Max cut length	250mm
Weight	18kG

Heavy duty block paving splitter

A heavyweight block splitter for all common types of block paving.

The specialist tools save the contactor's time when blocks have to be removed and reinstated.



gap wedge



block lifter + block mallet



ADVANTAGES

Maxipave

- Reliable manual operation
- Easy cutting with long lever action
- Single adjustment screw
- Blade length – 400mm
- Cut depth: min 40mm – max 125mm
- Weight: 35kg

Gap Wedge

- Forces a gap between laid blocks
- Fitted with two sizes of hardened blade wedges

Block Mallet long handle

- 3kg rubber head, 700mm handle
- Force blocks back into place without marking

Block Mallet short handle

- 2.4kg rubber head, 315mm handle
- Force blocks back into place without marking

Block Lifter

- Lifts a block out after using the Gap Wedge
- Adjustable from 90 - 240mm

Block clip lifter 200

- Adjustable from 0 – 250 mm
- Lifting capacity 130 kg
- Weight – 6,5 kg

Block clip lifter 800

- Adjustable from 750 – 1000 mm
- Lifting capacity – 130 kg
- Weight - 8 kg
- Dim – 1400 x 400 x 600 mm

Ref	Model
MBS08	Maxipave block splitter (c/w blades)
MBS02	Gap Wedge
MBS03	Block Lifter
MBS04	Block mallet long handle
MBS05	Block mallet short handle
MBS06	Block clip lifter 800
MBS07	Block clip lifter 200
180-99600	Replacement Block Splitter blades New model (2)
180-99514	Replacement Block Splitter blades Old model (2)



block clip lifter 800



block clip lifter 200



Portable electric bench saw 350mm

Built as a portable and powerful bench saw to cut bricks, blocks, large tiles and slabs.

The side mounted cutting arm and blade gives 'straight through' cutting capacity for long materials.

ADVANTAGES

- Accurate cutting of all materials up to 100mm deep
- Detachable legs for transportation
- Precision rolling table with special seize free rollers
- Effective spray system with submersible Electric pump
- Depth stop and height adjustment
- Blade assembly tilts for mitre cutting
- Unlimited length material, 650mm cut using the table



Ref	Model	Motor Power (hp / kW)	Blade Size (mm)	Blade Speed (rpm)	Dimensions (mm)*			Weight (kg)
					W	H	L	
171.9.001	BC 350 Brick saw Electric 230v 1ph	3 / 2.2	350 x 25.4	3000	530	500	1100	80

Blade not provided - * Dimensions without the legs fitted - See the diamond blade page to select a blade for your application



Masonry bench saw 500mm

The Ambassador MS500 is a robust table saw, suitable for accurate cutting of all masonry products. The advanced features increase productivity and improve safety.


HONDA

ADVANTAGES

- Accurate cutting of all materials up to 195mm deep
- Fitted with wheels for maneuverability
- Adjustable table with back stop and angle guide
- Wrap around handle for left or right handed use
- Unique water system
- Cutting arm, foot or hand operated
- Fully adjustable depth stop and depth lock
- Easy to reach controls for added safety



Ref	Model	Motor Power (hp / kW)	Blade Size (mm)	Blade Speed (rpm)	Dimensions (mm)*			Weight (kg)
					W	H	L	
MS513	Ambassador MS500 saw Electric 230v 1ph	3 / 2.2	500 x 25.4	2303	715	1555	1355	204
MS501	Ambassador MS500 saw Petrol Honda GX 160	5.5 / 4	500 x 25.4	2286	715	1555	1355	204



General purpose blades

The **Belle Platinum** range of double laser welded 10-12mm high segmented diamond products have been designed to give excellent speed of cut, long life and excellent value for money. This results in excellent rental revenues per unit.

The **Belle Gold** range of 10mm high double laser welded diamond products are very high quality blades, which have been specially designed to provide good productivity levels at the lowest possible cost per unit.



Application Material	Platinum - Professional				Gold - Trade			
	Platinum Hard	Platinum General	Platinum Abrasive	Platinum Asphalt	Gold Hard	Gold General	Gold Abrasive	Gold Asphalt
Granite	★★★★	★	×	×	★★★	×	×	×
Engineering Bricks	★★★★	★	×	×	★★★	×	×	×
Cured Concrete	★★★★	★	×	×	★★★	×	×	×
Clay Pipes	★★★★	★	×	×	★★★	×	×	×
Clay Paviments	★★★★	★	×	×	★★★	×	×	×
Hard Paviments	★★★★	★★	×	×	★★★	×	×	×
Clay Roof Tiles	★★★★	★★	×	×	★★★	★★	×	×
Hard Facing Bricks	★★★★	★★	×	×	★★★	★★	×	×
Reinforced Concrete Lintels	★★★★	★★★	×	×	★★★	★★	×	×
Concrete Paving Slabs	★★★	★★★	×	×	★★	★★	×	×
Concrete Pipes & Kerbs	★★★	★★★	×	×	★★	★★★	×	×
Medium Facing Bricks	★★	★★★	★	×	★	★★★	★	×
Hard Sandstones	★	★★★	★★	×	×	★★★	★★	×
Slate	★	★★★	★★	×	×	★★	×	×
Limestone Concrete	★	★★★	★★	×	×	★★	★★	×
Medium Block Paviments	★	★★★	★★	×	×	★★	★★★	×
Concrete Roofing Tiles	×	★★	★★	×	×	★	★★★	×
Medium Sandstone	×	★★	★★★★	★	×	★	★★★	★
Gritstone	×	★	★★★★	★	×	×	★★★	★
Asphalt Over Concrete	×	×	★★★★	★★	×	×	★	★
Breeze Blocks	×	×	★★★★	★★★	×	×	★★★	★★
Top Blocks	×	×	★★★★	★★★	×	×	★★★	★★
Green Concrete	×	×	★★	★★★★	×	×	★	★★★
Asphalt	×	×	★	★★★★	×	×	★	★★★
Lignacite Blocks	×	×	★	★★★★	×	×	★	★★★

★★★★

High Performance, excellent cutting, long life

★★★

Good Performance, good cutting speed and long life

★★

Recommended - acceptable cutting, speed and life

★

Acceptable - will do job

×

Not suitable

2009 Euro English v.0901

Belle Group reserves the right to alter details and specifications without notice.

68

Cutting



General purpose blades

The **Belle Silver Plus** range of double laser welded 10mm high segmented diamond products have been designed to give excellent speed of cut, long life and good value for money. This results in good rental revenues per unit.

The **Belle Silver** range of 10mm high diamond blades has high diamond concentration and is for use by the general building trades that want a blade with the correct performance cost ratio that surpasses other blades in this price range.

The **Belle Bronze** range of double laser welded 10mm high segmented diamond products have been designed to give good speed of cut, long life and give good value for money. This results in good rental revenues per unit.

Application Material	SILVER +				BRONZE
	Silver + Hard	Silver + General	Silver + Abrasive	Silver + Asphalt	Bronze General
Granite	★★	×	×	×	×
Engineering Bricks	★★	×	×	×	×
Cured Concrete	★★	×	×	×	★
Clay Pipes	★★	×	×	×	×
Clay Pavours	★★	★	×	×	×
Hard Pavours	★★	★	×	×	×
Clay Roof Tiles	★★	★	×	×	★
Hard Facing Bricks	★★	★	×	×	★
Reinforced Concrete Lintels	★	★★	×	×	★
Concrete Paving Slabs	★★	★	×	×	★
Concrete Pipes & Kerbs	★	★★	×	×	★★
Medium Facing Bricks	★	★★	★	×	★★
Hard Sandstones	★	★★	★	×	★
Slate	×	★★	★	×	★
Limestone Concrete	×	★★	★	×	★
Medium Block Pavours	×	★★	★★	×	★
Concrete Roofing Tiles	×	★	★★	×	★
Medium Sandstone	×	★	★★	★	★
Gritstone	×	×	★★	★	★
Asphalt Over Concrete	×	×	★★	★	×
Breeze Blocks	×	×	★★	★	★
Top Blocks	×	×	★★	★	★
Green Concrete	×	×	★	★★	×
Asphalt	×	×	★	★★	×
Lignacite Blocks	×	×	★	★★	×

★★★★ High Performance, excellent cutting , long life

★★★ Good Performance, good cutting speed and long life

★★ Recommended - acceptable cutting, speed and life

★ Acceptable - will do job

× Not suitable



Our blade range makes the essential selection easy. Site experience has enabled us to develop a range that offers economical products to satisfy professional cutters and occasional users.

Diamond blade stand available for volume size orders



Ref Model

EXTRA HARD MATERIALS

PH11522	115 x 22mm
PH12522	125 x 22mm
PH23022	230 x 22mm
PH30020	300 x 20mm
PH35025	350 x 25mm
PH45025	450 x 25mm
PH60025	600 x 25mm

GENERAL MASONRY

GGP11522	115 x 22mm
GGP12522	125 x 22mm
GGP23022	230 x 22mm
GGP30020	300 x 20mm
GGP35025	350 x 25mm
GGP45025	450 x 25mm

ABRASIVE MATERIALS

PAM11522	115 x 22mm
PAM12522	125 x 22mm
PAM23022	230 x 22mm
PAM30020	300 x 20mm
PAM35025	350 x 25mm
PAM45025	450 x 25mm

ASPHALT

PA30020	300 x 20mm
PA30022	300 x 22mm
PA35025	350 x 25mm
PA45025	450 x 25mm

MORTAR RAKING

PMR115622	115 x 22 x 6
PMR125622	125 x 22 x 6

Ref Model

EXTRA HARD MATERIALS

GH11522	115 x 22mm
GH12522	125 x 22mm
GH23022	230 x 22mm
GH30020	300 x 20mm
GH35025	350 x 25mm
GH 45025	450 x 25mm

GENERAL MASONRY

GGP11522	115 x 22mm
GGP12522	125 x 22mm
GGP23022	230 x 22mm
GGP30020	300 x 20mm
GGP35025	350 x 25mm
GGP45025	450 x 25mm
GGP60025	600 x 25mm

ABRASIVE MATERIALS

GAM11522	115 x 22mm
GAM12522	125 x 22mm
GAM23022	230 x 22mm
GAM30020	300 x 20mm
GAM35025	350 x 25mm
GAM45025	450 x 25mm

ASPHALT

GA30020	300 x 20mm
GA35025	350 x 25mm
GA45025	450 x 25mm
GA60025	600 x 25mm

Ref Model

EXTRA HARD MATERIALS

S+H11522	115 x 22mm
S+H12522	125 x 22mm
S+H23022	230 x 22mm
S+H30020	300 x 20mm
S+H35025	350 x 25mm
S+H 45025	450 x 25mm

GENERAL MASONRY

S+GP11522	115 x 22mm
S+GP12522	125 x 22mm
S+GP23022	230 x 22mm
S+GP30020	300 x 20mm
S+GP35025	350 x 25mm
S+GP45025	450 x 25mm
S+GP60025	600 x 25mm

ABRASIVE MATERIALS

S+AM11522	115 x 22mm
S+AM12522	125 x 22mm
S+AM23022	230 x 22mm
S+AM30020	300 x 20mm
S+AM35025	350 x 25mm
S+AM45025	450 x 25mm

ASPHALT

S+A30020	300 x 20mm
S+A35025	350 x 25mm
S+A45025	450 x 25mm
S+A60025	600 x 25mm

Ref Model

GENERAL USE

BGP11522	115 x 22mm
BGP12522	125 x 22mm
BGP23022	230 x 22mm
BGP30020	300 x 20mm



Ref Model

GENERAL MASONRY

SGP11522	115 x 22mm
SGP12522	125 x 22mm
SGP23022	230 x 22mm
SGP30020	300 x 20mm

Multi purpose and specialist blades

Blades that cut virtually everything on site. The PST has a continuous rim and cuts fast. PSS / PUX blades are segmented, laser welded and give exceptionally long life. **PST/PST : concrete-steel PUX : concrete-steel-asphalt**
Continuous Rim. For a smooth cut with sharp edges (no chips) choose a CRT or CRM. Perfect for Tile saws.

The Masonry bench saw range has been designed for use on bench saws only. It can be used to cut extra hard materials such as engineering bricks, clay pipes and granite etc, to cut general masonry materials such as cured concrete, slate, and hard sandstones etc, and to cut abrasive materials such as breeze blocks, lignacite blocks and medium sandstones etc. Size limitations on materials apply as with all bench saws.



Application Material	Platinum PST	Platinum PSS	Platinum PUX	MBSH	MBSGP	MBSAM
Granite	***	***	***	***	x	x
Engineering Brick	***	***	***	***	x	x
Cured Concrete	***	***	***	***	x	x
Clay pipes	***	***	***	***	x	x
Clay pavours	***	***	***	***	x	x
Hard pavours	***	***	***	***	*	x
Clay Roof Tiles	***	***	***	***	*	x
Hard Facing Brick	***	***	***	***	*	x
Reinforced Concrete	***	***	***	***	**	x
Concrete paving Slabs	***	***	***	***	**	*
Concrete Pipes & Kerbs	***	***	***	*	***	*
Medium Facing Brick	***	***	***	*	***	*
Hard Sandstone	***	***	***	*	***	*
Slate	**	**	***	x	***	**
Limestone Concrete	**	**	***	x	***	**
Medium Blocks Pavours	**	**	***	x	***	***
Concrete Roof Tiles	*	*	***	x	*	***
Medium Sandstone	*	*	***	x	*	***
Gritstone	*	*	***	x	*	***
Asphalt Over Concrete	x	x	***	x	x	***
Breeze Blocks	*	*	***	x	*	***
Top Blocks	*	*	***	x	x	**
Green Concrete	x	x	***	x	x	*
Asphalt	x	x	***	x	x	*
Lignacite Blocks	x	x	***	x	x	*
Mild Steel Rods & reinforcement	***	***	***	x	x	*
Scaffolding Tube	***	***	***	x	x	*

****	Excellent	*	Fair
***	Good	x	Not suitable
**	Acceptable		

Ref	Model
Platinum with 10mm rim	
PST23022	230 x 22mm
PST30020	300 x 20mm
PST35025	350 x 25mm
Platinum with 10mm segments	
PSS23022	230 x 22mm
PSS30020	300 x 20mm
PSS35025	350 x 25mm
PSS45025	450 x 25mm
Platinum with 12mm segments	
PUX30020	300 x 20mm
PUX35025	350 x 25mm
PUX45025	450 x 25mm
CRT - Tile Saw blade	
CRT10522	105 x 22mm
CRT11022	110 x 22mm
CRT11522	115 x 22mm
CRT12522	125 x 22mm
CRT15022	150 x 22mm
CRT18022	180 x 22mm
CRT20022	200 x 22mm
CRT23022	230 x 22mm
CRT25022	250 x 22mm
CRT30020	300 x 20mm
CRT35025	350 x 25mm
CRM - Tile Saw blade	
CRM10522	105 x 22mm
CRM11022	110 x 22mm
CRM11522	115 x 22mm
CRM12522	125 x 22mm
CRM15022	150 x 22mm
CRM18022	180 x 22mm
CRM20022	200 x 22mm
CRM23022	230 x 22mm
CRM25022	250 x 22mm
CRM30020	300 x 20mm
CRM35025	350 x 25 mm
MBS-EXTRA HARD MATERIALS	
MBSH50025	500 x 25mm
MBS-GENERAL MASONRY	
MBSGP50025	500 x 25mm
MBS-ABRASIVE MATERIAL	
MBSAM50025	500 x 25mm

Take advantage of hydraulic equipment (more power, low running costs, reduced noise, low hand-arm vibration).

The hydraulic power packs can run a range of hydraulic accessories including Hydraulic breakers, disc cutters and water pumps.

Chose your power pack from a range of models for various applications.



Hydraulic power packs



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Hydraulic breakers



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Hydraulic tools



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Power and versatility

The economical 'on-site' power solution. Hydraulic power is 3 times more efficient than typical pneumatic systems.

The standard features of this range ensure reliability, ease of operation and a long service life.

HONDA
LOMBARDINI

ADVANTAGES

- Extremely portable - even the largest can be transported in an estate car
- Power on demand* - engine idles until power is required
- Low hydraulic oil cut out - stops expensive damage to tools and pump*
- Hydraulic oil level
- Rugged stainless steel frame construction
- All power packs are fitted with wheels as standard
- Supplied with siamese hose and non-drip flat face couplings

*Not available on Major 30-140



Ref	Model	Power (hp / kW)	Pressure (Bar)	Flow (l/min)	Dimensions (mm)			Weight (kg)
					W	H	L	
PAN20140	Midi 20-140 Petrol Honda	9 / 6.6	140	20	550	570	750	60
PAN20110D	Midi 20-110D Diesel Lombardini (not CE)	7.5 / 5.5	110	20	530	570	750	67
PAN20160X	Major 20-160X Petrol Honda	13 / 9.6	160	20	555	586	807	72
PAN30140	Major 30-140 Petrol Honda	13 / 9.6	140	30	555	586	807	72





High performance hydraulic breakers

6 models of breakers are available to match power pack size and the application. All models have frequency and blow rates to achieve maximum productivity.

The Belle Group BHB Range handheld Hydraulic Breakers are sturdy and reliable breakers designed for working together with Belle Group Hydraulic Power Packs.

The handheld Breakers are available in many different sizes with varying impact energies and commonly used tool sizes. The handheld Breakers are designed for various jobs from light brickwork and asphalt jobs to heavy duty jobs in reinforced concrete. All Belle Group BHB Range handheld breakers are delivered with 1/2" tail-hoses with 1/2" Flat-Face quick-release couplings for easy connection to the Belle Group Hydraulic Power Packs.

ADVANTAGES

- BHB12 Hydraulic Breaker / Demolition Pick - Small and lightweight with vibration dampened 'D' handle, Designed for horizontal operation.
- BHB19 Hydraulic Breaker- All purpose medium weight tool for a wide range of applications. Vibration dampened handles.
- BHB23 Hydraulic Breaker- Medium/heavy weight ideal for concrete and asphalt breaking.
- BHB25X Hydraulic Breaker- Ultra dampened handles, all purpose heavy weight breaker High performance, operator friendly breaker.
- BHB25 Hydraulic Breaker- Heavy weight tool for the most demanding applications Vibration dampened handles without reduction of blow energy.
- BHB27 Hydraulic Breaker- Heavy weight tool for the most demanding applications Vibration dampened handles without reduction of blow energy.

Can be used with 20L or 30L powerpack by changing restrictor which is supplied.



Ref / Model	Vibration (m/sec ²)		Max Pressure (Bar)	Flow (l/min)	Blows/ min		Steel Size (mm)	Weight (kg)
	Midi	Major				(joules)		
BHB12S	16.08	-	160	20	2400	25	22 x 82	14
BHB19S	11.97	-	160	20	1600	65	25 x 108	19
BHB23S	11.97	-	160	20	1600	65	25 x 108	23.5
BHB25S	11.1	11.1	160	20	1300	85	32 x 160	28
BHB25XS	6	6	160	20	1600	55	32 x 160	27.5
BHB27S	11.8	11.8	160	20	1300	85	32 x 160	28
BHB27S	-	18.61*	160	30	2150	85	32 x 160	28

*Major 30/140





High performance Hydraulic disc cutter and hydraulic water pump

Belle Disc Cutter uses hydraulic direct drive power (free from chain drive) to maintain constant cutting speeds and torque without belts, pulleys, excessive noise or exhaust fumes.

Hydraulic pump (p 58)

ADVANTAGES

- 350mm disc blade diameter
- Cuts concrete, stone, brick, block, pipe, reinforced concrete, steel beams, and other aggregates quickly and cleanly.
- Designed with the latest safety standards and instant safety stop mechanism
- Cutting depths of 13,5cm (5-1/4")
- Usable on 20l and 30l power packs
- Lightweight design, rugged steel tube construction - lighter than petrol saws.
- Heavy duty protective guard meets European safety standards.
- Cuts vertically, horizontally and underwater.
- Dual function trigger for automatic wet cutting or dry cutting with inbuilt water line and hose connection
- Blade speed limiter
- Accepts abrasive or diamond blades.
- Use inside or outside with no exhaust pollutants.
- Transport trolley available option



Ref	Model
2322-S	Heavy duty water pump (Midi/Major)
Miscellaneous accessories	
2262	Main hose set (Midi/Major)
301	Flow/pressure test kit
302	Accumulator cap assembly tool



Ref	Model	Maximum disc diameter (mm)	Max. Cut depth (mm)	Arbour diameter (mm)	Cutting speed Up to (rpm/mm)	Flow (l/mn)	Oil pressure (bar)	Weight* (Kg)
188-00010	Disc cutter only	350	133	25.4	4100	20 to 30	140 / 172	8

*weight without trolley



Ref	Model	Type	Dimensions			
			Collar to tip		Blade w x h	
			(mm)	(inch)	(mm)	(inch)
Steels 32 x 160mm (1¼ x 6¼")						
to fit BHB25, BHB25 X, BHB27						
912083	Moil Point 32mm	1	380	15		
912084	Large Moil Point 32mm	1	455	18		
912293	Chisel 32mm	2	380	15		
912294	Large Chisel 32mm	2	455	18		
912928	Easy Burst 32mm	3	380	15		
912450	Broad Chisel 32mm	4	380	15	75 x 50	3 x 2
912451	Large Broad Chisel 32mm	4	455	18	75 x 50	3 x 2
912472	Asphalt Cutter 32mm	5	380	15	125 x 50	5 x 2
912454	Large Asphalt Cutter 32mm	5	330	13	125 x 150	5 x 6
912555	Tarmac Cutter 32mm	6	280	11	115 x 125	4½ x 5
912456	Digging Chisel 32mm	7	355	14	75 x 230	3 x 9
912656	Digging Spade 32mm	8	355	14	125 x 20	5 x 8
912668	Clay Spade 32mm	9	380	15	140 x 230	5½ x 9
912903	Stem 32mm	10	230	9		
912906	Rammer Pad (32mm)	11			180 dia.	7 dia
Steels 25 x 108mm (1 x 4¼) to fit BHB19, BHB23						
910043	Moil Point 25mm	1	380	15		
910044	Large Moil Point 25mm	1	455	18		
910253	Chisel 25mm	2	380	15		
910254	Large Chisel 25mm	2	455	18		
910926	Easy Burst 25mm	3	380	15		
910430	Broad Chisel 25mm	4	380	15	75 x 50	3 x 2
910431	Large Broad Chisel 25mm	4	455	18	75 x 50	3 x 2
910434	Large Asphalt Cutter 25mm	5	380	15	125 x 150	5 x 6
910435	Tarmac Cutter 25mm	6	305	12	115 x 125	4½ x 5
910436	Digging Chisel 25mm	7	355	14	75 x 230	3 x 9
910636	Digging Spade 25mm	8	355	14	125 x 200	5 x 8
910664	Clay Spade 25mm	9	355	16	125 x 200	5 x 8
910911	Stem 25mm	10	200	8		
912905	Rammer Pad (25 & 22mm)	11			125 dia.	5 dia
01248	Rail Clip Extractor		370	14½	55 x 100	2¼ x 4
Steels 22 x 82mm (7/8 x ¾) to fit BHB12						
910023	Moil Point 22mm	1	380	15		
910024	Large Moil Point 22mm	1	455	18		
910233	Chisel 22mm	2	380	15		
910234	Large Chisel 22mm	2	455	18		
910925	Easy Burst 22mm	3	380	15		
910420	Broad Chisel 22mm	4	380	15	75 x 50	3 x 2
910421	Large Broad Chisel 22mm	4	455	18	75 x 50	3 x 2
910424	Large Asphalt Cutter 22mm	5	380	15	125 x 150	5 x 6
910426	Digging Chisel 22mm	7	355	14	75 x 230	3 x 9
910662	Clay Spade 22mm	9	405	16	125 x 200	5 x 8
910910	Stem 22mm	10	200	8		
912905	Rammer Pad (25 & 22mm)	11			125 dia.	5 dia

Boxed Dimensions (mm) for storage, packing and shipping instruction.

PRODUCT	Width mm	Length mm	Height mm	Comments	Nbr /Pallet	Pallet Dimensions	Container	
							20'	40'
MINIDUMPER-BMD300	740	1050	1750	PALLET	1			
MINIMIX 150 Petrol	600	900	980	BOXED	4		44	92
MINIMIX 150 Electric	600	900	720	BOXED	6		66	138
BWE80	750	1340	1290	PALLET	2	1200*1700 height 1,5m	33	66
BWE110	750	1340	1355	PALLET	2	1200*1700 height 1,5m	33	66
BWE130	750	1340	1400	PALLET	2	1200*1700 height 1,5m	33	66
TBE130	790	1160	1230	PALLET	2	1200*1700 height 1,5m	33	65
TBE 165	790	1160	1295	PALLET	2	1200*1700 height 1,5m	33	65
BWE 150	1100	1900	1500	PALLET	1	1200*1700 height 1,7m	16	32
BWE 200	1100	1900	1560	PALLET	1	1200*1700 height 1,7m	16	32
BWE 250	1150	1950	1600	PALLET	1	1200*1700 height 1,7m	10	25
TRACT MIX 360	1050	1850	1700	PALLET	2	1000*2000 height 2,55m	14	28
SUPERIOR 300	1155	1765	1598	PALLET	2	1200*1700 height 2,60m	11	21
SUPERIOR 350	1555	1765	1660	PALLET	2	1200*1700 height 2,60m	11	21
SUPERIOR 400	1155	2135	1935	PALLET	2	1200*1700 height 2,60m	10	20
PROMIX	375	700	245	BOXED				
PCLX (320/400)	830	510	650	BOXED				
PCX	520	820	640	BOXED				
RT 50	430	750	1120	PALLET	2			
RT 66 / RT74	480	790	1160	PALLET	2			
RT65	800	1200	900	PALLET	2			
BWR 650	740	1050	1750	PALLET	1			
POWERPACK	500	900	750	PALLET				
BREAKER (23kg)	765	520	190	BOXED				
BC350	1200	700	860	BOXED				
MINIPAVE	670	185	265	BOXED				
BGP POKER	550	540	130	BOXED				
BGA POKER	690	920	100	BOXED				
BGN POKER	660	660	140	BOXED				
BGF (Converter) 28	480	280	380	NOT BOXED				
BGF (Converter) 74	830	510	650	BOXED				
MEGAVIB (Motor)	370	145	245	BOXED				
MEGAVIB (Shaft)	700	565	90	BOXED				
MEGAVIB (Head)	50	50	360	NOT BOXED				
EASY SCREED 200	2020	290	400	BOXED				
EASY SCREED PRO	890	660	320	BOXED				
PRO 900 TROWEL (Box)	1010	1010	640	BOXED				
PRO 900 HANDLE (Box)	750	1620	260	BOXED				
PRO 1200 TROWEL (Box)	230	1230	730	BOXED				
BULL FLOAT	120	1230	30	NOT BOXED				
BIG BLUE	330	1240	50	NOT BOXED				
FRESNO BROOM	130	950	60	NOT BOXED				