



BELLE
LIGHT
CONSTRUCTION
EQUIPMENT



Altrad-Belle.com

UK Product Catalogue 2024



... BUILDING A SUSTAINABLE
FUTURE ...





BELLE
LIGHT
CONSTRUCTION
EQUIPMENT

Altrad Belle Head Office

Sheen, Nr. Buxton, Derbyshire
SK17 0EU, GB

Tel. +44 (0)1298 84606

Fax. +44 (0)1298 84722

Email: sales@altrad-belle.com



Altrad-Belle.com



Part of the Altrad Group

All previous catalogues and prices mentioned within are cancelled from the date of this present catalogue.

A copy of the terms and conditions of sale is available on request from any of Altrad Belle's sales departments and is available online at www.Altrad-Belle.com

Altrad Belle reserves the right to alter prices at any time without notice. The prices charged will be those current at the time of dispatch. Prices **DO NOT** include VAT.

All parts or machines supplied by Altrad Belle are covered by the Altrad Belle standard warranty policy, a copy of which is included with the standard terms and conditions.

QR Codes

Throughout this book you will find a number of QR Codes (Quick Response Codes) which you will be able to scan into your smartphone.

Once you have scanned the QR Code, you will be taken to the product page of our website (www.Altrad-Belle.com) for that particular product.

There, you will find even more information on the product, links to an image library as well as downloadable brochures, operators manuals and videos.

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ALTRAD GROUP

AT A GLANCE

The Altrad Group was founded in 1985 when Mohed Altrad acquired Mefran, a bankrupt French scaffold specialist based in Montpellier. In the coming years he helped rescue this failing company, in the process starting the Group strategy of purchasing failing companies, then turning them around.

Altrad in 2023 is a world leader in the provision of industrial services, generating high-added value solutions principally for the Oil & Gas, Energy, Power Generation, Process, Environment and Construction sectors. The Group is also a recognised leader in the manufacturing of equipment dedicated to the Construction and Building market. Altrad's multidisciplinary services range from engineering and technical services to maintenance, access solutions and specialised services for industry leaders. Headquartered in France, the Group employs around 52,000 people and is still led by its Founder and President Mohed Altrad.

Altrad, which developed through organic growth, has also integrated dozens of companies with singular histories that were duly recognised in their fields of activity and territories of intervention. Throughout the years, Altrad has always ensured their integration while respecting their cultural and organisational differences.

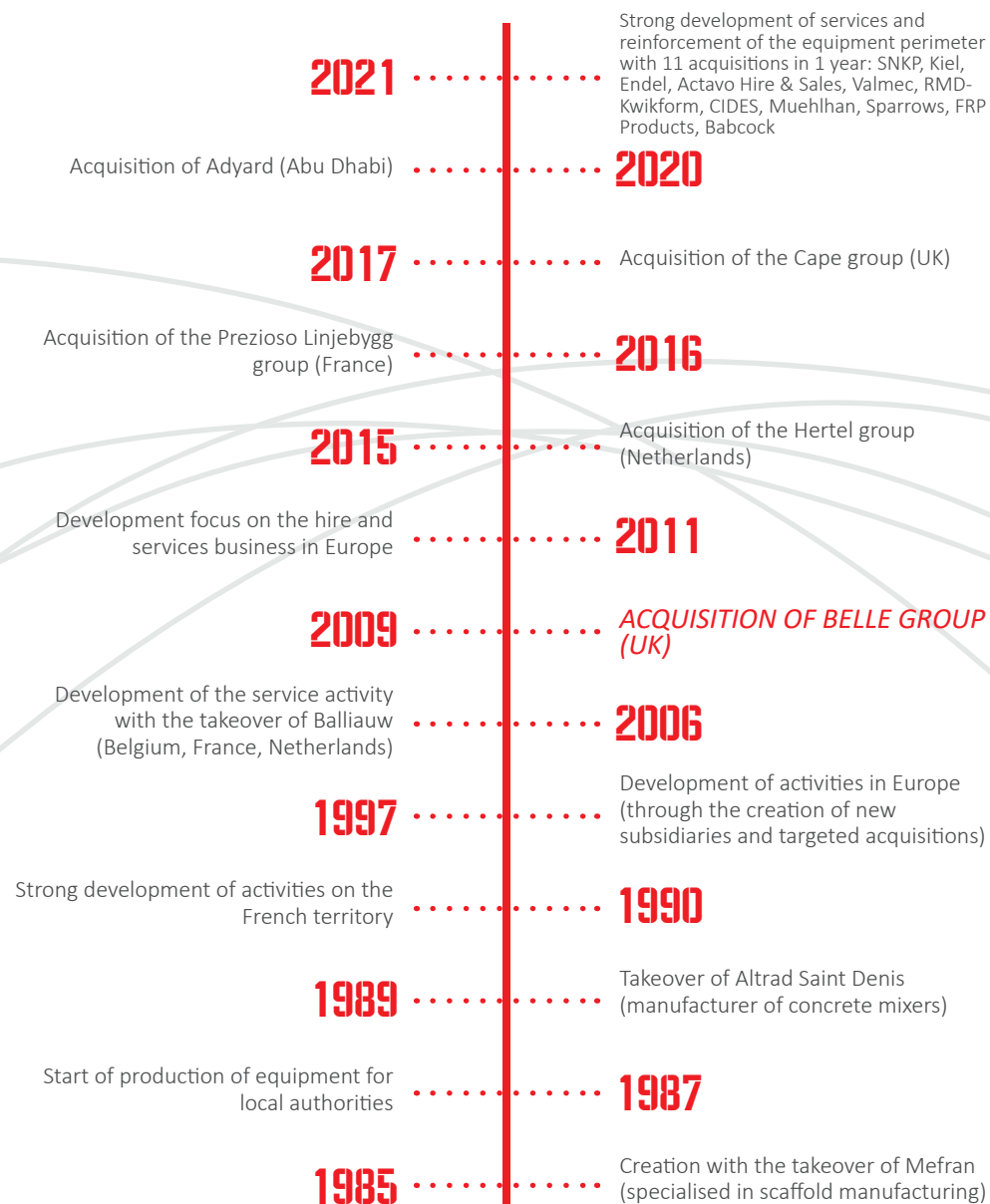
The Altrad culture, which has emerged over the years, is based on solid and shared values of professionalism and commitment, but the group has also developed a profound culture of accountability: to ensure and enhance its sustainability and competitiveness, Altrad has created a balance between economic performance, development and fulfilment of people, respect for the environment and social and civic commitment.



Altrad Group founder Mohed Altrad



ALTRAD GROUP HISTORY



INDUSTRIAL SERVICES



Oil & Gas Offshore / FLNG

Altrad Services has been providing a wide range of essential services to the offshore Oil & Gas industry. Our deep experience in working on our customers' high-value critical assets in some of the most challenging and remote locations on the planet ensures we are a vendor of choice for international oil majors, national oil companies, independent Oil & Gas producers and oilfield services companies operating in the offshore environment.



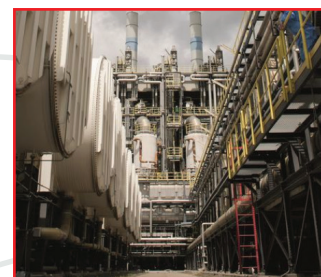
Oil & Gas Onshore / LNG

Altrad Services offers a wide range of critical services to the Oil & Gas onshore industry and to the petrochemical sector. We have taken part in a number of projects, always providing practical and reliable solutions, capable of maximising new-build or maintenance programmes.



Nuclear / Power Generation

Altrad Services provides a wide range of industrial services and solutions in support of the construction and maintenance of high-value, super-critical nuclear power generation assets. In addition, we provide services in support of other technologies in the power generation segment: conventional fossil-fuel, but also research laboratories, storage laboratories, submarines, etc.



Process Industry

A process-type industry implies sophisticated processes in which raw materials undergo a specific chemical and/or physical transformation. This type of activity comes with major demands, and Altrad has great experience in working in these specific process environments. The most significant fields in which our teams have been involved over the years are linked to the pharmaceutical, agro-food, chemical, biochemical and mechanical processes. Other industries.

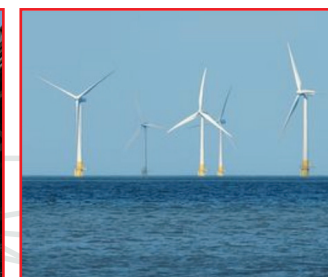


Naval, construction and others

Altrad Services provides a range of industrial fabric-related services and solutions to many different customer segments outside of our core markets.

The principal market sectors we serve with our range of industrial fabric-related solutions are mostly based in Europe and cover the following sectors:

Infrastructure (bridges, tunnels...), Naval, both civil and defence (including ships, boats, vessels, tankers, aircraft carriers and submarines), Other industries.



Renewable Energy

Not only does Altrad Services contribute to the construction and maintenance of "conventional" power and electricity generation sites; the company also takes part in the energy transition by supporting the latest technologies. We are therefore notably involved in sites such as hydroelectric power stations and wind farms, both for their construction and maintenance.

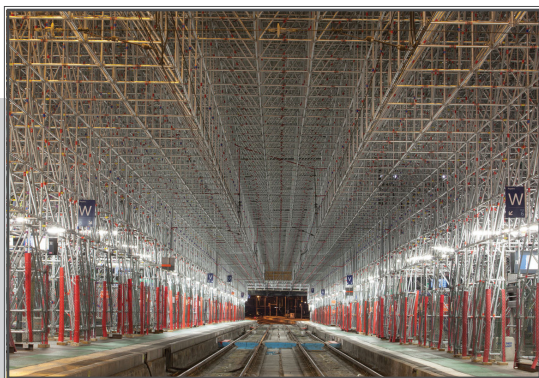
Hydropower, wind, solar (photovoltaic and thermal), biomass and geothermal energy are inexhaustible energy flows. This portfolio of renewable energy projects of Altrad Services has become very important.



SCAFFOLDING

Through its specialised subsidiaries, the Altrad group designs, manufactures and provides high quality, innovative scaffolding systems, oriented towards technically safe solutions to suit the needs of its customers.

Our access equipment is notably aimed at industrial service provider companies. It is suitable for work on engineering structures and historic monuments, as well as shipyards, oil refineries, petrochemical installations and nuclear power plants.



Our range also includes scaffolding for the building and construction industry and public works. It is suitable for masonry, timber framing and stone cutting projects. Our most loyal customers therefore include craftsmen as well as distributors, rental and installation companies and event agencies.

Our scaffolding conforms to the strictest health & safety and quality rules: it complies with all norms and decrees applicable in the countries in which it is manufactured and distributed. We have a wide range of equipment, including façade and multi-directional scaffolding, lifting platforms and all associated accessories.

STREET FURNITURE & PRODUCTS FOR PUBLIC AUTHORITIES

The Altrad group proposes a very large choice of street furniture for the public sector, contributing to a community approach in the interests of the general public. Our teams select and propose suitable elements for all types of public authorities to equip and furnish their public areas, with a constant concern for optimal value for money.

The Altrad group carefully selects its furniture range for indoor and outdoor use based on quality and resistance criteria to ensure compliance with all mandatory standards applicable to public authorities.

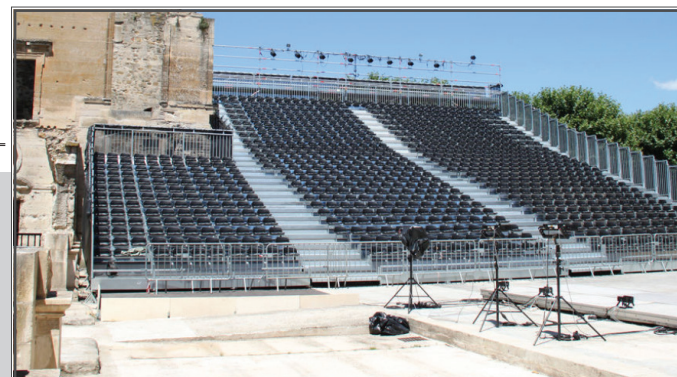
CONSTRUCTION

The Altrad group is a leader in the sector of products for the building and construction industry: top manufacturer of concrete mixers and wheelbarrows, it also designs, manufactures and distributes props and shorings, formwork equipment, compaction equipment, cutting tools, pumps and concreting tools.



The originality of the Altrad group's construction product offering lies in its quality and innovative nature as well as in its diversity and the ability to adapt to customer requirements:

Our teams are committed to the design and continuous improvement of our products. They also rationalise our production processes to ensure reliability, thereby improving productivity at the same time. Products are sent out for prolonged field trials & testing with customers as well as on-site destruction testing. The fruits of these efforts can then be shared with our customers.



We have products for all uses and all requirements. Our offer is mainly aimed at major construction and public works companies, small and medium sized businesses, craftsmen and DIY customers, equipment traders and resellers.



ALTRAD GROUP

GROUP VALUES

HUMAN VALUES OF THE ALTRAD GROUP

The growth of our business is founded on strong values upheld by each and every member of the group.



RESPECT

We accept the responsibility as a group and as individuals to prevent situations that jeopardise the health and safety of everyone at our workplaces. We treat people with consideration, regardless of their position. We conduct our business in accordance with exemplary standards of transparency, integrity and honesty.

We hold a deep sense of responsibility towards all of our stakeholders and the environment we work in.



SOLIDARITY

Solidarity is about teamwork and reliability. We collaborate and contribute to the different projects we undertake together by sharing ideas and opportunities, knowledge and resources.

We support each other and stand up for each other. We always foster open and collaborative relationships and we put the common good before personal interests.



COURAGE

We are eager to reach out beyond new boundaries and we are willing to explore innovative ways of thinking and working. What we do is therefore not easy: we are entrepreneurs and thus take risks and challenge ourselves permanently.

Our objective is always to achieve the best outcome despite the difficulties.



HUMILITY

We are open to differing points of view and are convinced that we can learn from anyone, anywhere. We always act and lead in a manner that expresses a spirit of inclusion. We tend to learn from mistakes and successes in equal measure and, above all, we never underestimate our competition.

For every project, we seek and provide honest feedback to reach our goals by continuous improvement.



CONVIVIALITY

Every day, we try to create a work environment that reflects the spirit of our teams, based upon commitment and openmindedness. Together, we know how to share and to collaborate in a convivial spirit.

We also celebrate success and combine functional excellence and cross-functional teamwork to produce exceptional ideas and results.

"In defining and choosing the values that it proposes to embody and defend, a group puts forward the responsibility to which each of its members engages, both for themselves and above all in relation to others"

Mohed Altrad

ALTRAD BELLE

Altrad Belle, the **No.1 for Light Construction Equipment**, combines design and manufacturing expertise to present the most comprehensive range of tools to the construction industry. Our focus on engineering quality makes our portfolio of:- **Compacting, Mixing, Concreting, Pumping, Cutting, Breaking, Moving, Generators, Pressure Washers and Wheelbarrows** the established brand it is today.



With over 50 years' experience in equipment designed for the construction and rental industries, Altrad Belle now supplies a truly global market from our headquarters in the UK. Intensive product development, which includes computer-aided simulation and physical life-cycle testing, provides industry leading equipment with advances in Health and Safety features as well as performance.

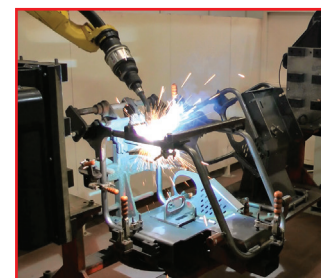
Our aim is to provide our customers with a range of equipment to meet the demands of the toughest construction site or rental fleet use. Altrad Belle's field support teams are always on hand to provide its customers with total solutions from the Altrad Belle product range.

WORLD CLASS ENGINEERING

At Altrad Belle we are always striving to offer the best quality products to our customer base. To achieve this, there has been significant investment in new production equipment in recent years on such things as automated welding machines and state-of-the-art laser cutting technology.



Trumf Punching Machine



Automated Twin-Welders



Bystronic Laser Cutter

DEVELOPMENT & TESTING

Altrad 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.

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

Using computer aided simulation and physical life-cycle testing ensures that our products have undergone the most stringent challenges before they go into production and are in our own words 'fit for hire'.

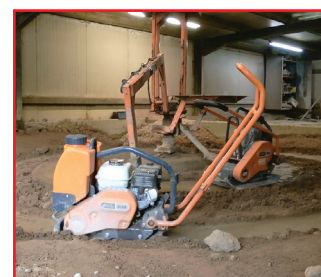
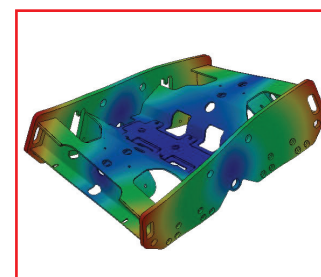


Plate Compactor Test Rig



CAD Stress Analysis



Reversible Plate Test Rig

ALTRAD BELLE HISTORY



:1961

The history of Belle dates back to 1961 when founder Doug Blackhurst wanted to buy a cement mixer to help build his new house. No small portable cement mixers existed, so he set about designing one. The result is the now famous **Belle Mini Mixer**.

From his own initial use, Doug started manufacturing the Mini Mixer for local tool hire shops at a time when tool and plant hire services were just beginning to develop for the building and construction industry. This fast expanding tool hire business added to the growing demand and the success of the Mini Mixer continued to grow throughout the 70's and 80's.

DID YOU KNOW?

Whilst Doug was building the house for his family to live (using one of the first produced Mini Mixers), they temporarily lived on an old bus which had the destination of Belle Vue... from here the name 'Belle' Engineering was born.



:1990's

After the success of the Mini Mixers, the company began to diversify into other areas of the construction market to compliment its Mixer range.

A range of Generators was launched and in 1990 production of the Skid Steer Loader range commenced.

The 1990's also saw a number of acquisitions which lead to an increase in product ranges. The Group could now offer a wide range of over 100 different types of machinery within the following key areas of construction: Compacting, Mixing, Concreting, Cutting, Surface Preparation, Breaking & Moving.



The bus from which 'Belle' was given its name



:2000's

In 2004 as part of a re-structuring process, it was decided to cease production of the Generator range, the Surface Preparation range and the Skid Steer Loader's so that more emphasis could be placed on other areas of the business.

The company continued to grow within the areas it was focussing on both in the UK and abroad and as a result, in 2008 Belle was rewarded for its success in the export market, when the company was presented with the highly coveted Queen's Award for Enterprise in International Trade.



:2009

2009 heralded a new beginning for the company as the Altrad Group completed the purchase of the Belle Group, thus ending over 50 years of independent ownership by the Blackhurst family.

With this the BarOmix range of mixers was integrated into the Altrad Belle range and also came the addition of Wheelbarrows and Scaffolding to the company's portfolio.

However, as the group acquired more Scaffolding companies with the UK over the next couple of years Scaffolding was removed from the Altrad Belle range.



:2010's

The decade saw considerable investment into the product portfolio with the launch of the dramatically improved Trench Rammer and Twin-Drum Roller ranges as well as continuous improvement to the compaction range as a whole to reduce HAV levels and emissions. With this came the introduction of our Electric Plate Compactors in 2014.

In 2017 the company diversified with a new Pressure Washer range, which would eventually include a Bowser Pressure Washer. It was also decided to re-introduce Generators back into the portfolio with the launch of the GPX open-set range.

2019 saw the launch of the one of the most exciting additions to the portfolio when the **DX 1000HT 1-tonne, hi-tip dumper** was unveiled. The dumper was gratefully received by core customers and new customers alike and was hailed as the '**New No.1 Best in Class**' setting new standards for safety, strength, operator comfort and productivity on site.



:2020's

2021 saw the company further expand its ECO portfolio as it took its first steps into the battery product market with the launch of the **PCX 13/40E+** Honda eGX battery-powered forward plate compactor.

This was then followed up in 2023 with a battery-powered version of the famous **Mini Mixer**, with the launch of the **Minimix 150E+**.

Both machines match the high-performance compaction of their petrol powered equivalent, but without the environmental impact.....**Building a Sustainable Future!**

The **WPX 3/30** semi-trash water pump was also launched in 2022 to accompany the BGA Pump and thus creating the **NEW 'Pumping'** range.



Scott Herne

Scotland & North East & Northern Ireland

☎ 07836 561 861

✉ scott.herne@altrad-belle.com



Stuart Harris

Northern England

☎ 07968 159 565

✉ stuart.harris@altrad-belle.com



Colin Andrews

Midlands & Republic of Ireland

☎ 07816 651 010

✉ colin.andrews@altrad-belle.com



Daniel Pinder

London & South East:

☎ 07976 750 092

✉ daniel.pinder@altrad-belle.com

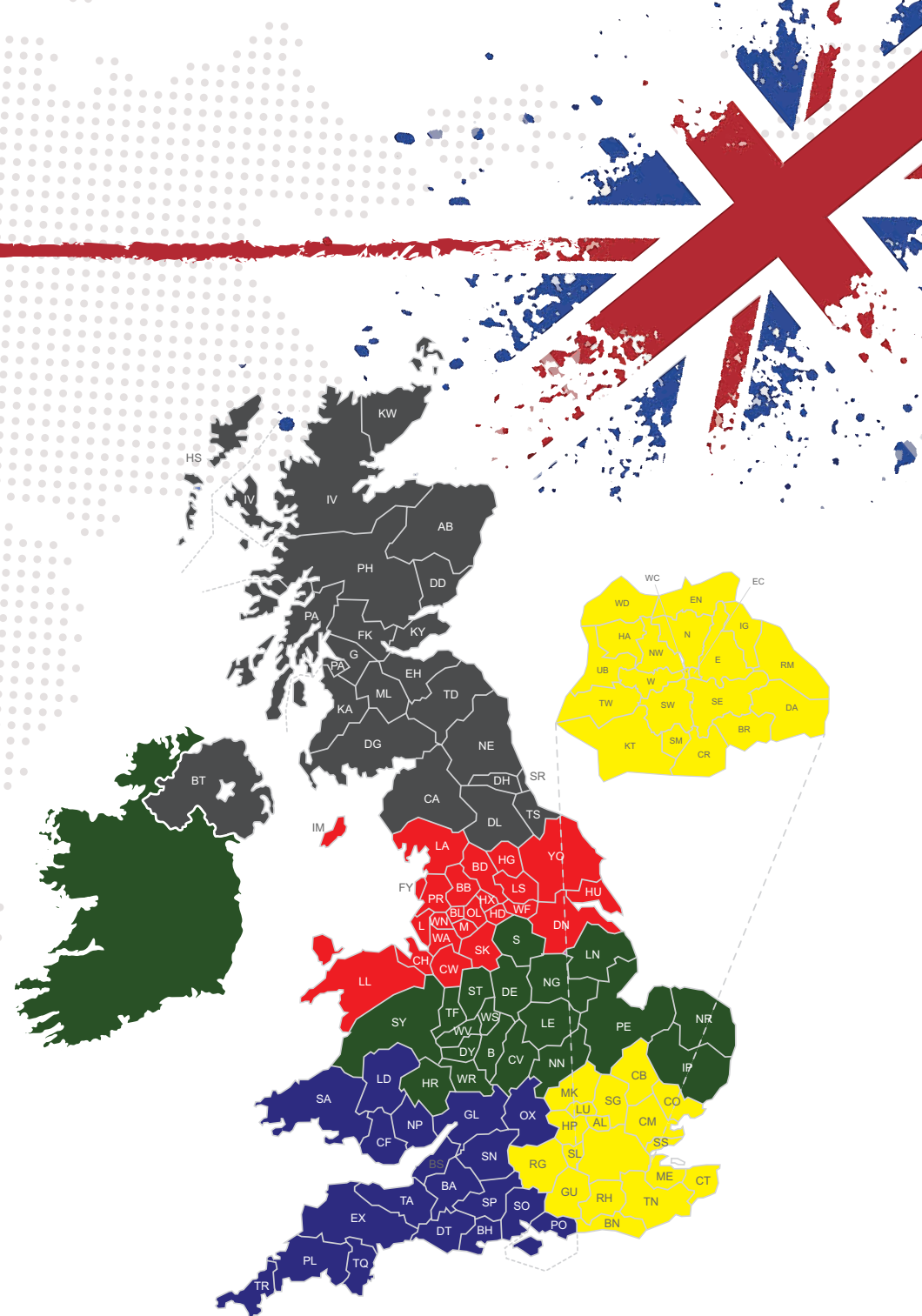


Robert Godfrey

South West:

☎ 07768 601 651

✉ robert.godfrey@altrad-belle.com





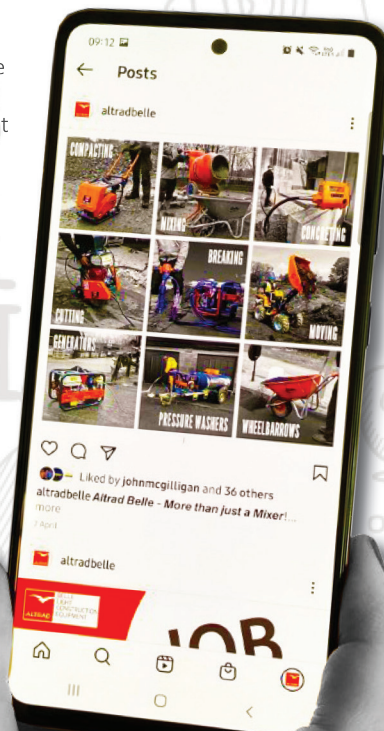
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LIKE & FOLLOW OUR SOCIAL MEDIA CHANNELS

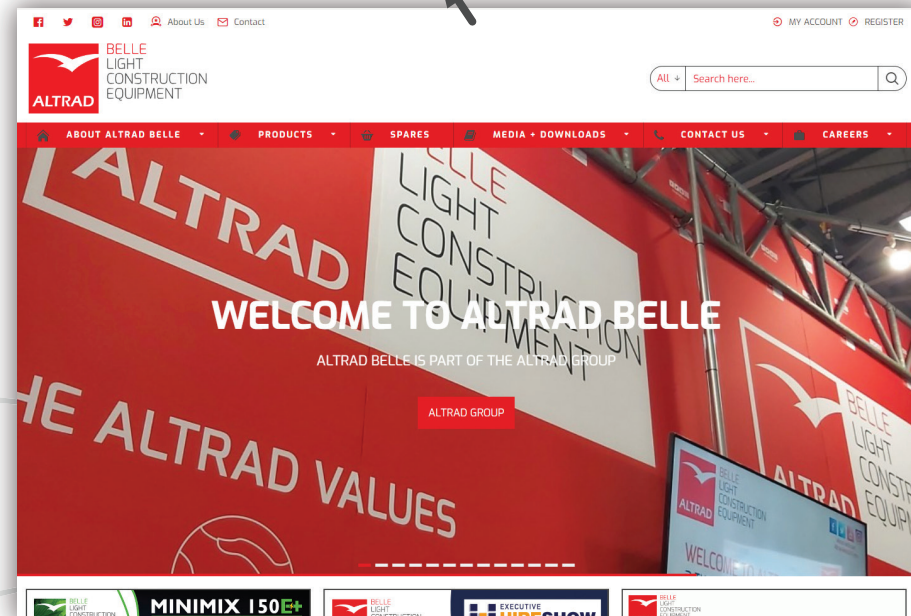
At Altrad Belle, interacting with our customers and providing great customer service is a top priority. This is why we have company profiles across a number of social media channels.

By following us on our Social Media platforms you will receive the latest news and information on our extensive product range, as well as being the first to know of any forthcoming product launches and any job vacancies that have opened-up within the company.

It also gives a gateway to get in contact with us if you have a query about any of our products, or the business as a whole.



www.Altrad-Belle.com



COMPANY & PRODUCT INFORMATION

The website includes information about Altrad Belle and its history as well as current news and contact details.

There is also a general overview of all products within our range as well as a comprehensive list of Features & Benefits and Technical Specifications to help you get to know each product as well as possible.



PRODUCT BROCHURES

Product brochures are available that include relevant technical information about each product.

Each brochure can be downloaded in PDF format, to give you access to product information without access to the internet.



OPERATORS MANUALS

Operators Manuals that include information on how to safely utilise and maintain our products are available to download.

They are easily mis-placed once the product has been unwrapped and used, but all Operators Manuals can be downloaded in PDF format to keep forever.



PRODUCT VIDEOS & PHOTOS

A selection of product videos can be viewed and downloaded on from the website, as well as having links to the videos on our YouTube channel.

A studio image and action image of each product is also available to view and download in JPG/ PNG format.



HINTS & TIPS AND FAQ'S

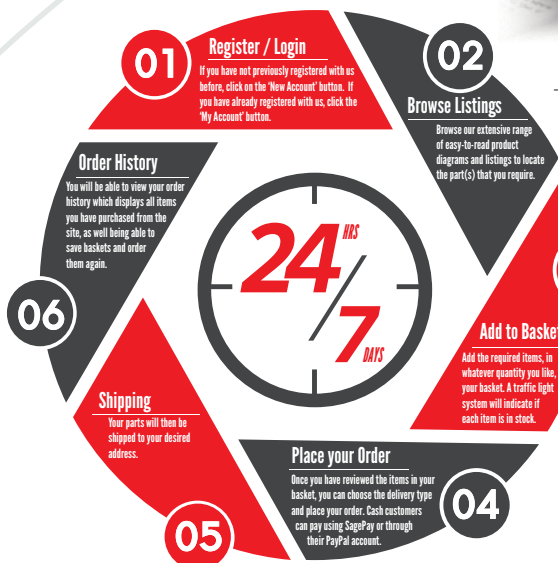
These sections include a number of small snippets of information that will help you get the best performance from your Altrad Belle machine as well as solutions and answers to the questions which are on everybody's lips.

AFTER SALES AND CUSTOMER SERVICE

ONLINE PARTS ORDERING

For almost a decade **Altrad-Belle247.com** has been a huge factor behind our successful After Sales and Customer Service operation. The platform allows our customers the ability to view our extensive catalogue of online parts lists in a seamless and efficient way, ensuring they can place an order with the minimum of fuss.

As well as comprehensive line drawings or each product, there is a large selection of photos available to help select the correct part.

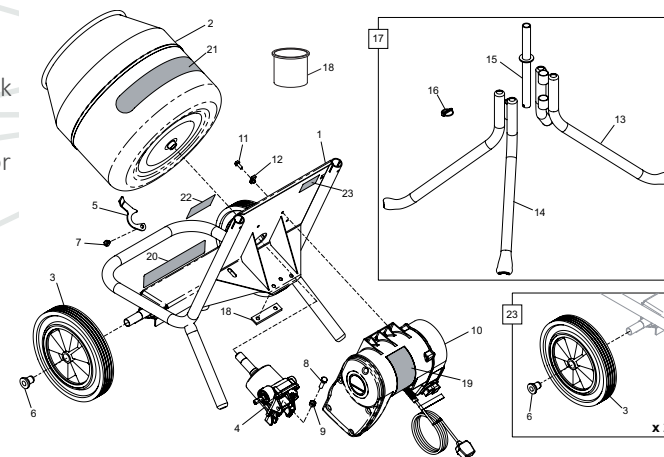


The online portal has been designed to be compatible with all of the latest web browsers and mobile operating systems, so you can browse the listings and place an order on your tablet or mobile device from anywhere in the UK....

*24 hours a day,
7 days a week!*

Our dynamic and proactive Customer Service Department provides an exceptionally high level of customer service on a global scale. Altrad Belle Sales' Administration Department will provide you with an optimum service with:

- 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.



Downtimes and delays are hugely costly to the customer, therefore we are committed to deliver in spare parts or carrying out service repairs as quickly as possible.





THE ENVIRONMENT

ALTRAD BELLE & THE PEAK DISTRICT

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

In the 2000's Altrad 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 main goal being a 'zero to landfill' policy.

The company complies with all legislation regarding waste packaging and hazardous waste, and has all the necessary registrations in place and in July 2006, Altrad Belle received a UK award to show the way in which the company had improved health and safety, environmental standards.

We are also aware how lucky we are to have our headquarters set in such beautiful countryside, so we are mindful that we need to help protect the local surroundings as much as possible.

As part of this, in 2023 we launched the **Altrad Woodland Initiative** at Hulme End, focusing on Climate Action, Life on Land and Good Health and Wellbeing. The project involved the planting of some 420 native broadleaf trees at multiple locations in the area, in conjunction with the Woodland Trust and the local community. This is an on-going project with plans to plant further trees in the local area throughout 2024.



Trees being planted at Hulme End

Also in 2023, in line with the commitment of the Altrad Group to protect our environment and to celebrate World Environment Day (5th June 2023), a number of Altrad Belle staff and local councillors took part in a litter picking day to help clean up the local area. Other companies within the Altrad Group around the world also took part in their local areas.

Our part in the project included 6 main routes, taking in Dovedale, Ilam, the Manifold Valley and Sheen; all scenic routes where the surroundings are enjoyed by thousands of people, both local and tourists, each year. Showing the spirit of the local community, the children and leaders from the local HYPAC (Hartington Young People's Activity Club) group also spent one of their sessions collecting litter from around the village of Hartington, just 2 miles from our Headquarters.

ALTRAD BELLE & THE PEAK DISTRICT, CONTINUED....

A total distance of 38km along was covered along the routes which resulted in an impressive 125kg of waste being collected. All the waste was then collected by our waste management partner Peak Waste Recycling, who then took it to the local recycling centre for processing.

To date, throughout the Altrad Group 30 tons of waste has already collected in 2023, and this volume will increase further as the mobilisation actions continue.



WASTE REDUCTION AND RECYCLING



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

In 2012 Altrad Belle managed to achieve the target of a 'zero to landfill' policy in conjunction with our new Waste Management Partner. This also has the added benefit of reducing costs.

Altrad 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 generated this way is then 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.

During 2012, Altrad Belle also reduced the recycling and waste transport range to less than a 12 mile radius with the end product being used for secondary fuel at a local company.

In 2017 as part of our continuing environmental efficiency drive we have recently further improved our costs and the Carbon footprint of our general waste solution. Along with our long-term recycling partners, Peak Waste, we have removed from site the static waste compactor and as a replacement we have installed a large capacity portable alternative.

The outcome of this is a load size increase from 14 to 35 cubic yards per lift. This will effectively reduce the removal of general waste trips by 2.5 times so not only the cost of transport but also the transport footprint is considerably reduced.

The cost of the compactor has been reduced along with the maintenance, servicing costs and carbon footprint as these are carried out when the machine is taken for emptying to the local depot rather than an engineer travelling from further afield to carry out any servicing or repair function.



BUILDING A SUSTAINABLE FUTURE

THE ENVIRONMENT Responsibility

ENERGY

In conjunction with the Carbon Trust, Altrad 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, inhouse energy watching, optimising equipment usage, workforce involvement, awareness training and the use of external consultants. Our aim is to reduce our ongoing energy usage by 5% per year.

Altrad Belle has also recently begun the installation of energy-efficient LED lighting throughout the factory and offices. Not only do they reduce the carbon footprint, LED's do not contain mercury so don't require special recycling or disposal procedures. Also, from a Health and Safety point of view, LEDs produce "cold" light, reducing the risk of burns and fire hazards.

The LED lights are also fitted with PIR sensors to ensure the lights are only in use when required, reducing the amount of wasted energy.

6 Fast-Action Roller Shutter Doors have recently been installed which has resulted in a 60% improvement on heat loss throughout the factory, as well as new insulation being fitted to the main office roof leading to an 80% saving on heating in the offices. Soft-start motors have been installed on the shotblaster which will reduce the energy-spike on start-up, therefore reducing the amount of energy used to operate the machine.

As part of a large investment into the production facilities, a new powder paint plant was installed in August 2021 which reduces energy consumption by up to 40% compared to the previous powder paint plant. The new plant also includes an internal filtration/extraction system that will eliminate the escape of excess powder paint into the atmosphere.

In July 2023, as part of our Carbon footprint and sustainability initiatives, we had to look for an alternative way of becoming more efficient and increasing our metal cutting capacity and requirements and being mindful of the environment and ever-increasing costs of bulk liquid Nitrogen gas.



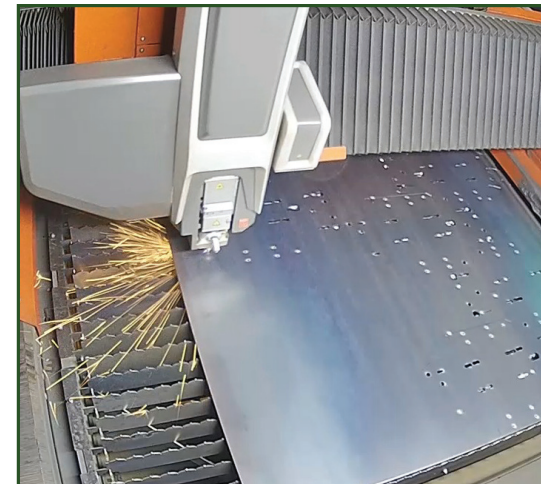
Nitrogen Generator

ENERGY, CONTINUED.....

Working closely with Atlas Copco, a solution was found that would make both of our laser cutters run more efficiently and still meet our requirements. Using this system has taken the full sheet cut time down from 50 mins to around 22-25 mins, increasing production overall.

The new system extracts the nitrogen from the atmosphere and compresses it, producing up to 150nm³/h of nitrogen gas at a purity of 99.99%.

The site is now producing Nitrogen gas at a very low cost and a very low CO² carbon emission. This gives us big savings against purchasing liquid nitrogen gas bottles or bulk liquid nitrogen whilst also reducing deliveries and removing bulk HGV's from the roads, reducing the carbon footprint - approximately 2.1 tons of CO₂ saved per year.



Laser Cutter, powered by the Nitrogen Generator

By using the Nitrogen system, we have managed to take a full sheet cut time down from 50 minutes to around 22-25 mins which would be able to increase production overall. Some examples are:

10mm Thick Material 2mm Thick Material

Nitrogen = 62 Secs Nitrogen = 12 Secs

Oxygen = 116 Secs Oxygen = 35 Secs

Additionally to the savings gained on the manufacturing time and reduced nitrogen deliveries, the heat generated from the compressor can be circulated back into the factory, which will help to keep the factory warm in the winter months, reducing energy costs further.

ENVIRONMENTAL POLICY

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

Altrad Belle will adopt 'waste free' objectives on all its sites. Where waste is generated, reuse programs or recycling will be introduced where possible. Altrad Belle is also committed to reducing levels of water and energy consumption used by its operations in line with the government's 'Climate Change' policy. As part of this all toilets have had water management systems installed which will help to reduce the water usage by up to 75%.

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

ELECTRONIC DOCUMENTS

In the bid to become greener and more eco friendly, we have now introduced electronic documents. Customers can now sign up to receive these online rather than the standard paper copies.

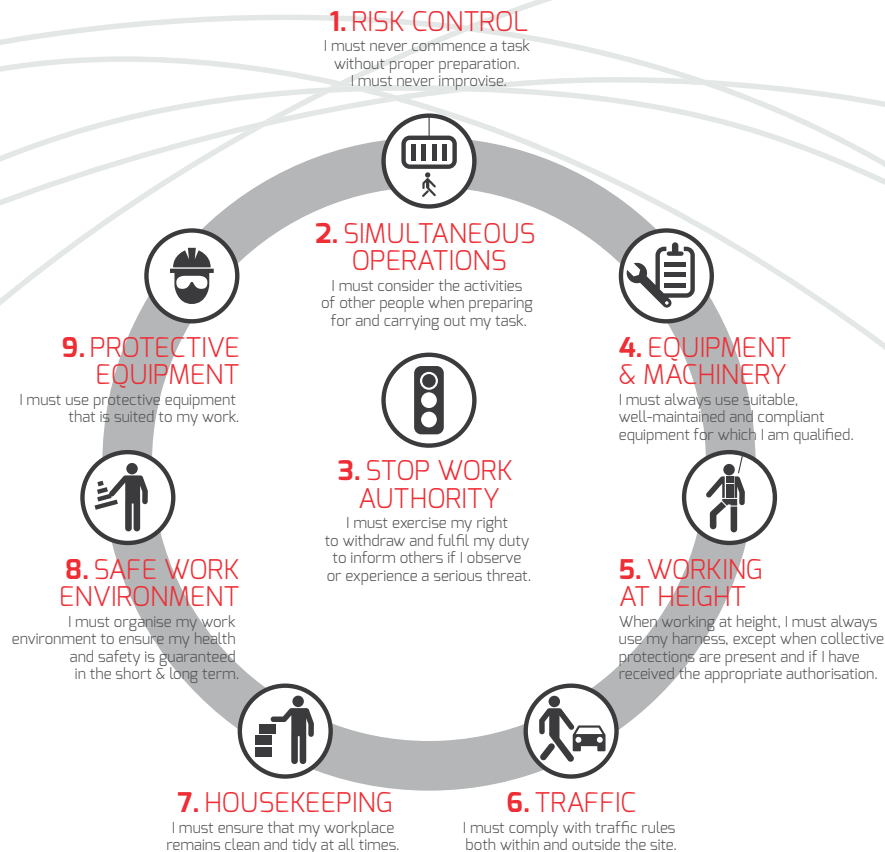
HEALTH AND SAFETY

At Altrad, 'Health and Safety' is more than just a priority. It is a value that is not open for discussion: for that reason, safety underpins every decision we make and every action we take. On a day-to-day basis, we strive, with our employees and partners, throughout all our facilities, operational worksites and offices, to achieve the very highest safety standards.



SAFETY GOLDEN RULES

Our safety Golden Rules are part of a continuous programme to embed safety within our culture. They embody our commitment: thus, with our employees and partners, we strive to achieve the very highest safety standards, whatever the situation.

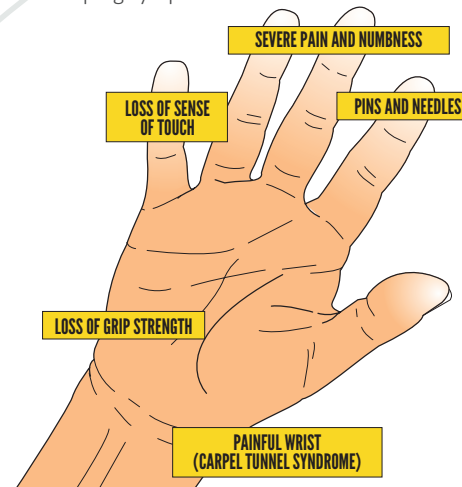


HAND-ARM VIBRATION

What is Hand Arm Vibration?

Hand Arm Vibration Syndrome (HAVS) is the term used to describe medical conditions caused by hand held tools that induce vibration in the user. These medical conditions include Carpal Tunnel Syndrome, Vibration White Finger, impaired blood flow in the hands, reduced strength in the arms and fingers and increased sensitivity.

Early symptoms include finger numbing & pins and needles but can progress to pain in the wrists, arms, elbows and shoulders followed by nerve damage, bone and joint disorders and in extreme situations cause gangrene. 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.



Key Messages on Hand-Arm Vibration Syndrome

- HAVS is preventable, but once the damage is done it is permanent.
- HAVS is serious and disabling, and nearly 2 million people are at risk.
- Damage from HAVS can include the inability to do fine work and cold can trigger painful finger blanching attacks.
- The costs to employees and to employers of inaction could be high.
- There are simple and cost-effective ways to eliminate risk of HAVS.
- The Control of Vibration at Work Regulations focus on the elimination or control of vibration exposure.
- The long-term aim is to prevent new cases of HAVS occurring and enable workers to remain at work without disability.
- The most efficient and effective way of controlling exposure to hand-arm vibration is to look for new or alternative work methods which eliminate or reduce exposure to vibration.
- Health surveillance is vital to detect and respond to early signs of damage.

Altrad Belle No.1 for Low Hand Arm Vibration

Since machine to user vibration was first identified as a significant problem to the user's health, Altrad Belle have sought to reduce exposure. Altrad Belle engineers have reduced operator vibration on Rammers, Floor Saws and Plate Compactors without reducing effectiveness.

The PCX range of 8-hour+, single direction plates, for example, represent our latest vibration control plates. They feature vibration reducing frames, unique baseplates, handle isolators and tuned vibrators which deliver class leading performance.



All Vibration Level figures quoted within this booklet are Triple-Axis Vibration figures.

SAFETY FIRST

HAND-ARM VIBRATION

The Governments Regulations

The government, through the Health and Safety Executive, has issued guideline exposure levels for Hand Arm Vibration in the form of The Control of Vibration at Work Regulations 2005 (the Vibration Regulations). The regulation-guidelines state that by 2010, use of vibrating hand-held tools should be strictly limited and where used the tools should perform within guideline values. By law an employer must assess and identify measures to eliminate or reduce risk. Examples of good practice can be found on the HSE website at:

www.hse.gov.uk/vibration.

The regulations introduce an Exposure Action Value Limit (EAV) beyond which work rotation is required and an upper limit known as the Exposure Limit Value (ELV) beyond which hand held devices should not be used.

- Exposure Action Value is 2.5m/s^2 , above which level employers should introduce technical and work rotation measures to reduce exposure.
- Exposure Limit Value is 5.0m/s^2 which should not be exceeded in any working day.

Exposure Action Value (EAV) and Exposure Limit Value (ELV)

The Exposure Action Value is the daily limit to which an employee can be exposed before an employer has to undertake actions to reduce the risk of Hand Arm Vibration.

Beyond the daily Exposure Action Value of 2.5m/s^2 the employer must assess the risk to the employee, introduce a programme of controls, provide a health screening programme, plus provide information and training on the risk to the employee's health and actions to take to reduce exposure.

The Exposure Limit Value (ELV) is the daily maximum amount of vibration an employee can be exposed to. This upper limit will be fully enforced after July 2010 and the transitional period applies to equipment purchased before July 2007. The upper limit can be exceeded during the transition period only after all practicable actions to reduce exposure have been exhausted.

The types of hand-tools that are likely to be of concern include, plate compactors, rammers, floor saws, road breakers and cut-off saws. If an employee is likely to be using several vibration risk tools during their working day then the employer must collect information on the likely personal exposure and trigger time for each tool. Once collected the employer should use the vibration data and exposure times and apply an exposure calculator.

For example, see HSE's vibration web site www.hse.gov.uk/vibration. Alternatively, there is a points system:-

Tool vibration (m/s^2)	3	4	5	6	7	10	12	15
Points per hour (approx)	20	30	50	70	100	200	300	450



Multiply the points assigned to the tool vibration by the number of hours of daily 'trigger time' for the tool(s) and then compare the total with the exposure action value (EAV) and exposure limit value (ELV) points.

100 points per day = Exposure Action Value (EAV); 400 points per day = Exposure Limit Value (ELV)

The above is for guidance only and employers/employees should consult with their own Health & Safety experts for further clarification.

Model	Part Number	HAV Level (m/s^2)	Trigger time to reach EAV level 2.5	Trigger time to reach ELV level 5.0	Weight (kg)
PCEL 320X Honda	ELX3201	4.43**	2 hours 33 mins	10 hours 11 mins	49
PCEL 400E 110v	ELE4001	4.43**	2 hours 33 mins	10 hours 11 mins	48.5
PCLX 12/40E 110v	LCE4001	3.97**	3 hours 10 mins	12 hours 41 mins	50
PCLX 16/45E 110v	MCE4501	3.04	5 hours 25 mins	21 hours 38 mins	97
PCX 13/40E+	FC4050E	2.50**	8 hours	More than 24 hours	89
PCLX 32 Honda	LC3271	2.49**	8 hours 4 mins	More than 24 hours	64
PCLX 40 Honda	LC4071	2.50**	8 hours	More than 24 hours	68.5
PCLX 32S Streetworks	LX3271	2.26**	9 hours 47 mins	More than 24 hours	67
PCX 12/36 Honda	FC3600E	4.74**	2 hours 14 mins	8 hours 54 mins	81
PCX 12/36 Loncin	FC3622E	4.74**	2 hours 14 mins	8 hours 54 mins	81
PCX 13/40 Honda GX120	FC4000E	3.20**	4 hours 53 mins	19 hours 32 mins	83.5
PCX 13/40 Honda GX160	FC4020E	3.20**	4 hours 53 mins	19 hours 32 mins	83.5
PCX 13/40 Loncin	FC4060E	3.20**	4 hours 53 mins	19 hours 32 mins	83.5
PCX 16/45 Honda	MC4501	2.87	6 hours 4 mins	More than 24 hours	90.5
PCX 16/50 Honda	MC4551	2.87	6 hours 4 mins	More than 24 hours	91.5
PCX 20/45 Honda	FC4500E	3.5	4 hours 5 mins	16 hours 20 mins	91
PCX 20/50 Honda	FC5000E	3.5	4 hours 5 mins	16 hours 20 mins	97
PCX 60A Honda	PCU02	4.9	2 hours 5 mins	8 hours 20 mins	68.5
PCX 17/50A Honda	PCA01	6.21	1 hour 18 mins	5 hours 11 mins	89
RPX 35 Petrol	See Page 46 - 47	3.1	5 hours 12 mins	20 hours 49 mins	See Page 46 - 47
RPX 35 Diesel	See Page 46 - 47	2.4	8 hours 41 mins	More than 24 hours	See Page 46 - 47
RPX 59 Petrol	See Page 48 - 49	3.1	5 hours 12 mins	20 hours 49 mins	See Page 48 - 49
RPX 59 Diesel	See Page 48 - 49	2.4	8 hours 41 mins	More than 24 hours	See Page 48 - 49
Duo 350X Honda	DSXA01	3.6	3 hours 51 mins	15 hours 26 mins	120
Compact 350X Honda	CSXA01	2.80**	6 hours 31 mins	More than 24 hours	96
BHB 25X Breaker	BHB25XS	6.50**	1 hour 11 mins	4 hours 44 mins	25

**OPERC independent testing/Vibration levels tested to BS5349 using EN 500-4

COMPACTING

- FORWARD PLATES
- TRENCH RAMMERS
- REVERSIBLE PLATES
- TWIN-DRUM ROLLERS



NO. 1 FOR COMPACTING

MPC 300

LIGHTWEIGHT FORWARD PLATE COMPACTOR

A lightweight plate compactor offering excellent portability and manoeuvrability. The Minipac MPC 300 is ideal for DIY and light professional applications.

FEATURES & BENEFITS

- The lightweight and compact design allows the user to easily manoeuvre and transport the machine - will fit into a small car.
- Light enough to allow the operator to manually reverse the plate.
- Effective compaction is achieved through the use of a 'Dual Force' baseplate.
- Compact size means the machine is well suited to confined areas.



Compact & Lightweight Design



Fold-Down Handle



Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (mm)	Static Pressure (Kg/m²)	Centrifugal Force (kN)	Travel Speed (m/min)	Vibration Level (m/sec²)	Weight (kg)
Minipac 300 - 6XH50 Honda Petrol	MPC01	2.6 - 1.6	300 x 470	513.4	3.25	12	7.11*	32

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Model	Part Number
Block Paving Pad - Minipac 300	MP03

NO. 1 FOR COMPACTING

PCEL 320X

SUB 50KG FORWARD PLATE COMPACTOR

A lightweight professional compaction plate with low hand arm vibration and high performance compaction. Specifically designed to offer excellent portability and manoeuvrability on site. The ideal "patching" plate.

FEATURES & BENEFITS

- Low Hand Arm Vibration design for longer, safe usage times.
- High performance 11kN vibration unit for excellent forward travel speed.
- Sealed oil-filled vibrator with top quality bearings for reliability and durability.
- Front and rear manual handling points for an easy 2-man lift.
- Removable and ultra low folding operator's handle for ease of transportation and storage.
- 8mm thick long life base plate for optimum compaction and reliability.
- Engineered to be robust and durable for rental and heavy contractor use.



Removable fold down handle



Ideal 'Patching' Plate



Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (mm)	Static Pressure (kg/m²)	Max. Gradient (°)	Centrifugal Force (kN)	Travel Speed (m/min)	Vibration Level (m/sec²)	Weight (kg)
PCEL 320X - Honda GX120 Petrol	ELX3201	3.1 - 2.3	320 x 364	425	20	11	22	4.43*	49

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number
Block Paving Pad - PCEL 320X	OPP/63/DIO

NO. 1 FOR COMPACTING

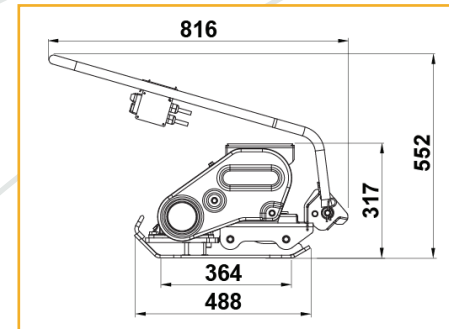
PCEL 400E

SUB 50KG ELECTRIC PLATE COMPACTOR

A lightweight durable compaction plate with low hand arm vibration and high performance compaction. Designed with an environmentally friendly electric motor for use indoors and poorly ventilated areas.

FEATURES & BENEFITS

- Low Hand Arm Vibration design for longer, safe usage.
- Environmentally friendly with zero exhaust emissions.
- High performance 10.5kN vibration unit for good travel speed.
- Sealed oil-filled vibrator with top quality bearings for reliability and durability.
- Front and rear manual handling points for an easy 2-man lift.
- Removable and ultra low folding operator's handle for ease of transportation and storage.
- 8mm thick long life base plate for optimum compaction and reliability.
- Class 1 Earthed Appliance.
- Integrated Motor protection guard.
- Block Paving Pad option available.



NOTE:- For use with Extension Cables up to 25M in length. Extension cable is not supplied with the machine.

Model	Part Number	Motor Power (Hp) - (kW)	Minimum Transformer Size (kVA)	Plate Size (mm)	Static Pressure (kg/m²)	Max. Gradient (°)	Centrifugal Force (kN)	Travel Speed (m/min)	Vibration Level (kg/m²)	Weight (kg)
PCEL 400E - 110v 50Hz Electric	ELE4001	0.8 - 0.6	3.3	380 x 364	376	20	10.5	18	4.43*	48.5
PCEL 400E - 230v 50Hz Electric	ELE4002	0.8 - 0.6	N/A	380 x 364	354	20	10.5	18	4.43*	48.5

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number	Description	Part Number
Block Paving Pad - PCEL 400E	OPP/82/DIO	PAT Testing Rig	968/DI200

PCLX 12/40E

LIGHTWEIGHT ELECTRIC PLATE COMPACTOR

A lightweight professional plate with high performance and travel speed from the 12kn vibration unit.

Designed with an environmentally friendly electric motor for use indoors and poorly ventilated areas.

FEATURES & BENEFITS

- High performance 12kN vibration unit for excellent travel speed and compaction force, reducing operating times.
- Environmentally friendly, 1.5kW zero emission Electric Motor for use indoors & in poorly ventilated areas.
- Low HAV design allows longer, safe usage times.
- Efficient Electric Motor is ideal for night time & urban usage.
- Centrifugal Clutch for soft start & reduced current surge.
- Professional 16amp power inlets for effective cable management.
- Sealed oil-filled vibrator with top quality bearings for reliability and durability.
- Front & rear manual handling points for easy 2-man lift.
- Removable, ultra low folding operator's handle for ease of transportation and storage.
- 8mm thick long life base plate for optimum compaction and reliability.
- Engineered to be robust and durable for rental and heavy contractor use.
- No fuel/engine maintenance & higher return on investment.
- Class 1 Earthed Appliance.
- Integrated Motor protection guard.
- Block Paving Pad option available.

NOTE:- For use with Extension Cables up to 25M in length. Extension cable is not supplied with the machine.



Model	Part Number	Motor Power (Hp) - (kW)	Minimum Transformer Size (kVA)	Plate Size (mm)	Static Pressure (kg/m²)	Max. Gradient (°)	Centrifugal Force (kN)	Travel Speed (m/min)	Vibration Level (m/sec²)	Weight (kg)
PCLX 12/40E - 110v 50Hz Electric	LCE4001	2.0 - 1.5	3.3	380 x 364	388	20	12	24	3.97*	50
PCLX 12/40E - 230v 50Hz Electric	LCE4002	2.0 - 1.5	N/A	380 x 364	388	20	12	24	3.97*	50

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number	Description	Part Number
Block Paving Pad - PCEL 400E	OPP/82/DIO	PAT Testing Rig	968/01200

PCLX 16/45E

HEAVYWEIGHT ELECTRIC PLATE COMPACTOR

A lightweight durable compaction plate with low hand arm vibration and high performance compaction. Designed with an environmentally friendly electric motor for use indoors and poorly ventilated areas.

FEATURES & BENEFITS

- High performance 16kN vibration unit for excellent travel speed and high compaction force, reducing operating times.
- Engineered to be robust and durable for rental and heavy contractor use.
- Environmentally friendly, 2.2kW zero emission Electric Motor for use indoors & in poorly ventilated areas.
- Efficient Electric Motor is ideal for night time & urban usage.
- Low HAV design allows longer, safe usage times.
- Centrifugal Clutch for soft start & reduced current surge.
- Professional 32amp power inlet for effective cable management.
- Large sealed oil-filled vibrator with top quality bearings for reliability & durability.
- Integrated 'Quick Engage' Wheel Kit with Large diameter Wheels to aid transportation on rough terrain.
- 'Quick Locating' Handle Latch for increased stability whilst operating the Wheel Kit.
- 8mm thick long life base plate for optimum compaction and reliability.
- Pull Bar for increased manoeuvrability.
- No fuel/engine maintenance & higher return on investment.
- Class 1 Earthed Appliance.
- Integrated Motor protection frame.
- Block Paving Pad option available.

NOTE:- For use with Extension Cables up to 25M in length. Extension cable is not supplied with the machine.



Model	Part Number	Motor Power (Hp) - (kW)	Minimum Transformer Size (kVA)	Plate Size (mm)	Static Pressure (kg/m²)	Max. Gradient (°)	Centrifugal Force (kN)	Travel Speed (m/min)	Vibration Level (m/sec²)	Weight (kg)
PCLX 16/45E - 110v 50Hz Electric	MCE4501	3.0 - 2.2	5	450 x 420	517	20	16	27	3.04*	97

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number
Block Paving Pad - PCLX 16/45E	OPP/89/DIO

PCX 13/40E+

BATTERY POWERED FORWARD PLATE COMPACTOR

Heavyweight, professional compaction plate designed with an emission free, Li-ion battery-powered motor for all your compaction requirements, indoor usage and poorly ventilated areas. Produces low HAV values and matches the high performance compaction of its petrol powered equivalent, but without the environmental impact....*Building a Sustainable Future!*



FEATURES & BENEFITS

- Fitted with a robust, highly efficient brushless Honda eGX motor
- Lithium Ion battery, interchangeable with other Honda eGX powered Altrad Belle products.
- Environmentally friendly, emission free for use indoors & in poorly ventilated areas such as basements and tunnels.
- Low noise offers increased working hours and usage in noise restricted areas.
- High performance 13kN vibration unit gives excellent travel speed and compaction force, reducing operating times.
- Low operating HAV levels, gives more than 8hrs operator trigger time.
- Foldable mounted guide handle offers superior manoeuvrability and can be lowered to operate under obstacles and close to form work.
- Reinforced centrifugal clutch ensures longer belt life, and simplified belt adjustment.
- Single switch operation makes starting the power unit easy. No choke or recoil start.
- 3-speed selector, allowing slower speeds when working around obstacles.
- No routine power unit maintenance eliminates servicing or costly downtime due to repairs. No blocked carburettors
- Robust protective battery cover & steel sub frame. With integrated battery power level viewing window.
- Lifting points and front lift cage offer easier loading and unloading for operator convenience.
- Optional, large 9.5 litre water tank is built into the main frame for added protection.
- The spraybar is fully protected from damage, easily positioned, with integral paving pad clamp points.
- Angled holes on spray bar allow complete water coverage over the full width preventing any asphalt pick-up on plate bottom.
- Life lubricated vibration bearings.
- Block Paving Pad and Wheel Kit options also available.
- Customer colour options available.



Simple, single switch operation makes starting the power unit easy. 3-Speed selector.

PCX 13/40E+

BATTERY POWERED FORWARD PLATE COMPACTOR



Robust, protective battery cover with steel sub-frame



Battery power level indicator, always visible from operating position



Model	Part Number	Motor Power (Hp) - (kW)	Motor RPM	Plate Contact Area (mm)	Static Pressure (kg/m²)	Max. Gradient (°)	Centrifugal Force (kN)	Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec²)	Weight (kg)
PCX 13/40E+ - Honda eGX 72v Battery	FC4050E	2.2 - 1.6	3600 / 3000 / 2800	380 x 435	560	20	13	20	400 x 1107 x 960	<2.5"	89

Model	Part Number	Voltage (v)	Energy Rating (Wh)	Energy Capacity (Ah)	80% Charge Time (mins)	100% Charge Time (mins)	Dimensions W x L x H (mm)	Weight (kg)
eGX 72v Battery	OPP/108/DIO	72	720	380 x 435	560	20	233 x 268 x 150	89

OPTIONS

Description	Part Number	Weight (Kg)	Description	Part Number	Weight (Kg)
eGX Battery	OPP/108/DIO	6.4	Block Paving Pad	OPP/66/DIO	3.0
eGX Battery Storage Box (Stores 1 x eGX Battery)	OPP/109/DIO	5.1	Water Spray Kit	OPP/71S/DIO	4.0
eGX Battery Charger	OPP/110/DIO	11.0	Fixed Wheel Kit	OPP/112/DIO	5.6
Charger Storage Box	OPP/111/DIO	5.0			

PCLX 32 & 40

FORWARD PLATE COMPACTORS

Professional compaction plates with low Hand Arm Vibration and high performance compaction from the 13kN vibrator.

The PCLX comes has 2 different baseplate width options and is designed for contracting and rental use.

FEATURES & BENEFITS

- Low Hand-Arm Vibration design for longer safe usage times.
- Powerful, reliable Honda GX120 petrol engine.
- High performance 13kN vibration unit gives excellent compaction force and travel speeds.
- Tubular frame designed to protect vulnerable components.
- Baseplate designed for optimised speed and manoeuvrability.
- Engineered to be robust and durable for rental and heavy contractor usage.
- Lightweight yet durable for easy transport.
- Fits in a standard car boot when the handle is folded.
- Fitted with manual handling points.
- Easy to operate and control, the baseplate does not dig in when dragged backwards or turned.
- Optional, removable 12-litre water tank features a quick-release design.
- Optional wheel kit to aid on-site transportation available.
- Optional paving pad for block paving applications available.
- Customer colour options available.



Optional Water Kit



Optional Wheel Kit



HONDA

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number	Description	Part Number	Description	Part Number
Block Paving Pad - PCLX 32	OPP/01/DIO	Water Kit - PCLX 32	OPP/51S/DIO	Detachable Wheel Kit	OPP/60/DIO
Block Paving Pad - PCLX 40	OPP/02/DIO	Water Kit - PCLX 40	OPP/54S/DIO		

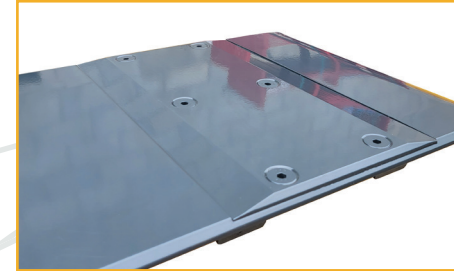
PCLX 32S 'STREETWORKS'

'DUAL FORCE' FORWARD PLATE COMPACTOR

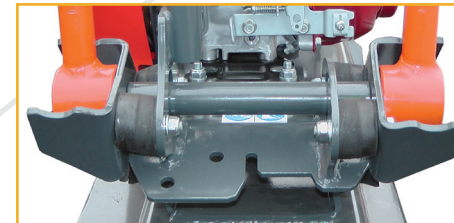
Midweight professional plate compactor with over 1400kg/m² of compaction, exceeding the HAUC requirements for the reinstatement of footpaths. With low Hand Arm Vibration and high performance compaction from the 13kN vibrator, this robust compactor is designed for contracting and rental use.

FEATURES & BENEFITS

- PCLX 32S 'Streetworks' - All the features of the PCLX 32 but with a unique 'Dual Force' baseplate to meet the UK government HAUC requirements.
- The baseplate is made from Strenx™ performance steel with a Hardox® wear plate for added strength and durability.



'Dual force' baseplate from Strenx™ performance steel with hardox® wear plate



Low HAV mountings



HARDOX®
WEAR PLATE

STRENX®
PERFORMANCE STEEL

Model	Part Number	Engine Power (Hp) - (kW)	Static Pressure (kg/m ²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec ²)	Weight (kg)
PCLX 32S 'Streetworks' - Honda GX120 Petrol	LX3271	3.2 - 2.4	1662	20	13	101	18	320 x 835 x 936	2.26*	67
PCLX 32S 'Streetworks' - Honda GX120 Petrol & Water Kit	LX3271W	3.2 - 2.4	1662	20	13	101	18	320 x 835 x 936	2.26*	69

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number	Description	Part Number
Detachable Wheel Kit	OPP/60/DIO	Water Kit - PCLX 320S	OPP/57S/DIO



NO. 1 FOR COMPACTING

PCX 60A

MIDWEIGHT FORWARD PLATE COMPACTOR

Midweight professional multi-purpose compaction plate.

The ultimate combination of weight, power and versatility enables this plate to perform in a multitude of applications to the highest standard.

FEATURES & BENEFITS

- 11kN high performance Vibrator for maximum compaction and excellent travel speeds.
- Sealed oil filled vibrator with top quality bearings for reliability and durability.
- Ergonomic operator handle for precise manoeuvrability, includes Pull-Back bar.
- Thickener Plate in rear of Baseplate for increased durability.
- Specially engineered Fabricated Baseplate designed to eradicate 'Track' marks on asphalt.
- Collapsible handle for easy storage & transportation.
- 3 mount HAV system for reduced HAV levels and improved usage time.
- Optional 'Easy-Fit' 12-litre Water Tank & 'Easy-Clean' Spraybar system.
- Durable metallic Water Control Tap for high flow rate.
- Low HAV handles that still allow precision control.
- Optional detachable 'Easy-Fit' Wheel Kit.
- Handle Latch for increased stability whilst operating the Wheel Kit.



Optional wheel kit available



HONDA

Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (mm)	Static Pressure (kg/m ²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec ²)	Weight (kg)
PCX 60A - Honda GX120 Petrol	PCU02	3.3 - 2.4	350 x 400	565	20	11	101	25	350 x 1010 x 1010	4.9*	68.5
PCX 60A - Honda GX120 Petrol c/w Wheel Kit & Water Kit	PCU01	3.3 - 2.4	350 x 400	565	20	11	101	25	350 x 1010 x 1010	4.9*	72.5

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number	Weight (Kg)	Description	Part Number	Weight (Kg)
Detachable Water Kit	OPP/87/DIO	4.0	Detachable Wheel Kit	OPP/104/DIO	2.5
Block Paving Pad	OPP/65/DIO	1.6			



NO. 1 FOR COMPACTING

PCX 12/36 & 13/40

HEAVYWEIGHT FORWARD PLATE COMPACTOR

Heavyweight professional compaction plates with low HAV and very high performance compaction.

Designed with a shorter baseplate to offer improved compaction, manoeuvrability and finish.



HONDA

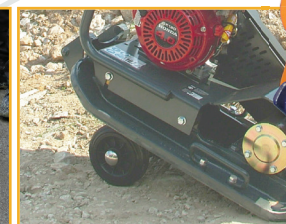
Loncin

FEATURES & BENEFITS

- Foldable mounted guide handle offers superior manoeuvrability & can be lowered to operate under obstacles & 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.
- Optional 9.5 litre water tank is built into the protective frame.
- The spraybar is fully protected from damage, easily positioned, with integral paving pad clamp points.
- Angled holes on spray bar allow complete water coverage over the full width preventing any asphalt pick-up on plate bottom.
- Life lubricated vibration bearings.
- Optional Wheel Kit and optional Paving Pad.
- Customer colour options available.



Optional Water Kit



Optional Wheel Kit



Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (mm)	Static Pressure (kg/m ²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec ²)	Weight (kg)
PCX 12/36 - Honda GX120 Petrol	FC3600E	3.3 - 2.4	360 x 606	586	20	12.25	101	20	360 x 720 x 556	4.74*	81
PCX 13/36 - Loncin H135 Petrol	FC3622E	3.5 - 2.6	360 x 606	586	20	12.25	101	20	360 x 720 x 556	4.74*	81
PCX 13/40 - Honda GX120 Petrol	FC4000E	3.3 - 2.4	400 x 606	520	20	13	101	20	400 x 720 x 556	3.20*	83.5
PCX 13/40 - Honda GX160 Petrol	FC4020E	4.9 - 3.6	400 x 606	520	20	13	101	20	400 x 720 x 556	3.20*	83.5
PCX 13/40 - Loncin H135 Petrol	FC4060E	3.5 - 2.6	400 x 606	520	20	13	101	20	400 x 720 x 556	3.20*	83.5

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number	Description	Part Number	Description	Part Number
Block Paving Pad - 12/36	OPP/65/DIO	Water Kit - 12/36	OPP/70S/DIO	Detachable Wheel Kit - 12/36 & 13/40	OPP/74/DIO
Block Paving Pad - 13/40	OPP/66/DIO	Water Kit - 13/40	OPP/71S/DIO		

PCX 20/45 & 20/50

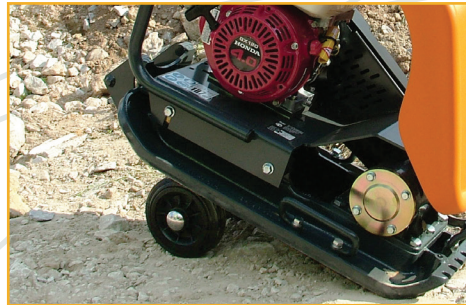
HEAVYWEIGHT FORWARD PLATE COMPACTORS

Heavyweight professional compaction plates used for soil compaction on new developments, repairs and maintenance jobs with large aggregates, cohesive material or moist content.

These plates are a hard hitting but user friendly machine in the heavy weight class.

FEATURES & BENEFITS

- 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 neutralisation of the operating handle.
- Wear and fracture resistant cast base 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.
- Paving Pad and Wheel Kit Options available.



Optional wheel kit available



Model	Part Number	Engine Power (Hp) - (kW)	Static Pressure (kg/m ²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec ²)	Weight (kg)
PCX 20/45 - Honda GX160 Petrol	FC4500E	4.9 - 3.6	463	20	20	80	26	450 x 1167 x 987	3.5*	91
PCX 20/45 - Hatz 1B20 Diesel	FC4515E	4.6 - 3.4	585	20	20	80	25	450 x 1167 x 987	2.64*	115
PCX 20/50 - Honda GX160 Petrol	FC5000E	4.9 - 3.6	442	20	20	80	25	450 x 1167 x 987	3.5*	97
PCX 20/50 - Hatz 1B20 Diesel	FC5015E	4.6 - 3.4	574	20	20	80	24	450 x 1167 x 987	2.45*	120

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number	Description	Part Number
Block Paving Pad - PCX 20/45	OPP/30/D10	Water Kit - PCX 20/45	OPP/48S/D10
Block Paving Pad - PCX 20/50	OPP/32/D10	Water Kit - PCX 20/50	OPP/49S/D10
Fixed Wheel Kit	OPP/35/D10	Detachable Wheel Kit	OPP/50/D10

PCX 16/45 & 16/50

HEAVYWEIGHT FORWARD PLATE COMPACTORS

Heavyweight professional compaction plates with low hand arm vibration levels, very high performance compaction and travel speeds.



FEATURES & BENEFITS

- Foldable mounted guide handle offers superior manoeuvrability and can be lowered 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 9.5 litre water tank is built into the protective frame.
- The spraybar is fully protected from damage, easily positioned, with integral paving pad clamp points.
- Angled holes on spray bar allow complete water coverage over the full width preventing any asphalt pick-up on plate bottom.
- Life lubricated vibration bearings.



Handle Latch



Integrated Wheel Kit



Model	Part Number	Engine Power (Hp) - (kW)	Static Pressure (kg/m ²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec ²)	Weight (kg)
PCX 16/45 - Honda GX160 Petrol	MC4501	4.9 - 3.6	478.8	20	16	85	21	450 x 1065 x 995	2.87	90.5
PCX 16/50 - Honda GX160 Petrol	MC4551	4.9 - 3.6	435.7	20	16	85	21	450 x 1065 x 995	2.87	91.5

*Vibration levels tested to BS5349 using EN 500-4

OPTIONS

Description	Part Number	Weight (kg)	Description	Part Number	Weight (kg)
Block Paving Pad - 16/45	OPP/89/D10	2.25	Detachable Water Kit	OPP/90/D10	6.4
Block Paving Pad - 16/50	OPP/100/D10	2.35			



NO. 1 FOR COMPACTING

PCX 17/50A

ASPHALT FORWARD PLATE COMPACTORS

A single direction plate designed ultimately for compaction of asphalt and macadam surfaces.

This plate compactor features a special tapered base plate to help avoid 'track' marks.

FEATURES & BENEFITS

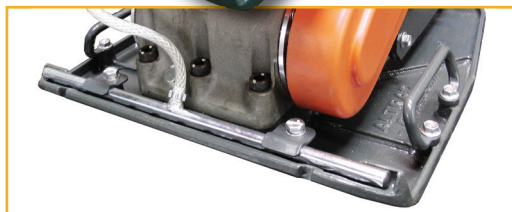
- Extremely accurate with a small turning radius on Asphalt.
- Specially engineered "Delta" Baseplate for high performance.
- Heavy Duty Remote Throttle.
- Strong protective frame as standard.
- Integrated 'Quick Engage' Wheel Kit.
- Handle Latch for increased stability whilst operating the Wheel Kit.
- Integrated Large 12 Litre Capacity Water Tank.
- Highly accurate water distribution from Spray Bar.
- Large diameter Wheels to aid transportation on rough terrain.
- Durable metallic Water Control Tap for high flow rate.
- Low HAV handles that still allow precision control.
- Fast travel speed.



Handle Latch



'Quick Engage' Integrated Wheel Kit as standard



Complete with Water Kit as standard

Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (mm)	Static Pressure (kg/m²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec²)	Weight (kg)
PCX 17/50A - Honda GX120 Petrol	PCA01	3.3 - 2.4	500 x 540	485	20	15	85	24	500 x 960 x 975	2.7*	89

*Vibration levels tested to BS5349 using EN 500-4

HONDA



NO. 1 FOR COMPACTING

SF 460

'SPECIAL FORCE' FORWARD PLATE COMPACTOR

A single direction plate with high amplitude vibration designed for cohesive soil conditions.

The SF 460 makes good progress where other plate compactors get stuck.

FEATURES & BENEFITS

- 18kN high centrifugal force for powerful performance on cohesive soils.
- 90Hz low frequency vibration designed for sticky ground conditions.
- Extra thick baseplate for durability.
- Sealed oil filled vibrator for low maintenance.
- Very effective compaction in heavy soil conditions.

HONDA



Ideal in heavy soil conditions



Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (mm)	Static Pressure (kg/m²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Weight (kg)
SF 460 - Honda GX160 Petrol	164.9.000	4.9 - 3.6	460 x 535	313	20	18	90	24	460 x 1000 x 895	80



NO. 1 FOR COMPACTING

RPX 35

REVERSIBLE PLATE COMPACTORS

Heavy duty range of reversible plates built to withstand the harshest site conditions. With improved baseplate design for excellent gradability increased travel speeds.



NO. 1 FOR COMPACTING

RPX 35

REVERSIBLE PLATE COMPACTORS

Also includes a higher compaction force for shorter usage times & deeper compaction.

Complete with integrated wheel kit for easy transportation these are the perfect solution for the rental market.

FEATURES & BENEFITS

- Robust design for long-life and use in the harshest site conditions.
- Petrol & Diesel models to suit all kind of applications combining low weight with high compaction force.
- Electric start with key ignition & LED warning lamps, eliminates need for operator training with manual starting (Hatz models only)
- Integrated Wheel Kit, ready for safe and easy transporation.
- Control Handle & Additional Fixed Handle with strong locking:-
 - More positive handling & control.
 - Reduces shock loading on control handles.
 - Better fulcrum for pulling machine onto its wheels.
 - Safe for operator moving without relying on moving control handles.
 - No damage to the forward/reverse mechanism.
- Angled baseplate for excellent gradability and travel speeds.
- Low HAV handle, safe for operators to use for long periods.
- High Compaction force for fast work & deep compaction.
- Handle mounted throttle, perfect for the operator
- Compact, high performace, sealed for life Lithium Ion battery. Dry battery = no liquid acid.
- Available with 40cm, 50cm or 60cm width baseplate.
- Specifically designed for hire and rental markets.
- Paving Pad option available.



Electric, Key Ignition Start & Led Warning Lamps

Fixed Handle to Aid Transportation



Integrated Wheel Kit & Foot Stand for Easy Transportation



Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (mm)	Static Pressure (kg/m ²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec ²)	Weight (kg)
RPX 35/40 - Honda GX200 Petrol	161.9.202	5.8 - 4.3	400 x 700	1351	20	35	81	27	400 x 1205 x 1067	3.1	176
RPX 35/40D - Hatz 1B20 Diesel	161.9.200	4.2 - 3.1	400 x 700	1436	20	35	81	27	400 x 1205 x 1067	2.4	187
RPX 35/40DE - Hatz 1B20 Diesel e/s	161.9.201	4.2 - 3.1	400 x 700	1449	20	35	81	27	400 x 1205 x 1067	2.4	189
RPX 35/50 - Honda GX200 Petrol	161.9.205	5.8 - 4.3	500 x 700	1104	20	35	81	26	500 x 1205 x 1067	3.1	180
RPX 35/50D - Hatz 1B20 Diesel	161.9.206	4.2 - 3.1	500 x 700	1172	20	35	81	26	500 x 1205 x 1067	2.4	191
RPX 35/50DE - Hatz 1B20 Diesel e/s	161.9.204	4.2 - 3.1	500 x 700	1190	20	35	81	26	500 x 1205 x 1067	2.4	194
RPX 35/60 - Honda GX200 Petrol	161.9.208	5.8 - 4.3	600 x 700	944	20	35	81	25	600 x 1205 x 1067	3.1	185
RPX 35/60D - Hatz 1B20 Diesel	161.9.203	4.2 - 3.1	600 x 700	1000	20	35	81	25	600 x 1205 x 1067	2.4	196
RPX 35/60DE - Hatz 1B20 Diesel e/s	161.9.207	4.2 - 3.1	600 x 700	1057	20	35	81	25	600 x 1205 x 1067	2.4	207

OPTIONS

Description	Part Number	Weight (kg)	Description	Part Number	Weight (kg)
Block Paving Pad - RPX 35/40	OPP/102/D10	5.2	Block Paving Pad - RPX 35/60	OPP/105/D10	9.0
Block Paving Pad - RPX 35/50	OPP/103/D10	7.1			

RPX 59

REVERSIBLE PLATE COMPACTORS

Heavy duty range of reversible plates built to withstand the harshest site conditions. With improved baseplate design for excellent gradability & increased travel speeds and a higher compaction force for shorter usage times and deeper compaction.



FEATURES & BENEFITS

- Robust design for long-life and use in the harshest site conditions.
- Petrol & Diesel models to suit all kind of applications.
- Electric start with key ignition & LED warning lamps, eliminates need for operator training associated with manual starting (Hatz models only)
- Control Handle & Additional Fixed Handle with strong locking:-
 - More positive handling & control.
 - Reduces shock loading on control handles.
- Angled baseplate for excellent gradability and travel speeds.
- Low HAV handle, safe for operators to use for long periods.
- High Compaction force for fast work and deep compaction.
- Handle mounted throttle, perfect for the operator.
- High performace battery (Hatz models only)
- Cyclone Air Filter as standard on Honda GX390 model.
- Hourmeter as standard on Petrol and Diesel Electric models.
- Specifically designed for hire and rental markets.
- Extension Plates available to give 650mm or 750mm width base plates.



Fixed Handle to Aid Manouevrability



Hourmeter as standard on Petrol & Diesel Electric



Electric, Key Ignition Start & Led Warning Lamps (Diesel Electric Model)



Handle mounted throttle lever, perfect for the operator



2 x 75mm or 2 x 125mm baseplate extension plates available as an option

RPX 59

REVERSIBLE PLATE COMPACTORS

Complete with hourmeter as standard on diesel electric start & petrol models and extension width options available for more versatility. The perfect solution for the rental market. Available with Honda petrol, Hatz diesel or Hatz diesel electric engine options.



Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (mm)	Static Pressure (kg/m²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Vibration Level (m/sec²)	Weight (kg)
RPX 59/65 - Honda GX390 Petrol	161.9.214	11.8 - 8.7	650 x 945	1241	20	59	70	28	650 x 1669 x 1066	3.1	360
RPX 59/65DE - Hatz 1050 Diesel e/s	161.9.213	10.2 - 7.5	650 x 945	1524	20	59	70	28	650 x 1669 x 1066	2.4	442
RPX 59/75 - Honda GX390 Petrol	161.9.218	11.8 - 8.7	750 x 945	1102	20	59	70	28	750 x 1669 x 1066	3.1	375
RPX59/75DE - Hatz 1050 Diesel e/s	161.9.217	10.2 - 7.5	750 x 945	1344	20	59	70	28	750 x 1669 x 1066	2.4	457

OPTIONS

Description	Part Number	Description	Part Number
75mm Extension Plates	0PP/106/D10	125mm Extension Plates	0PP/107/D10



NO. 1 FOR COMPACTING

RPC RANGE

REVERSIBLE PLATE COMPACTORS

Heavy duty range of reversible plate compactors with hydraulic shift gearboxes for changing movement direction.

RPC plates are designed for high compaction, durability and ease of maintenance.



NO. 1 FOR COMPACTING

RPC RANGE

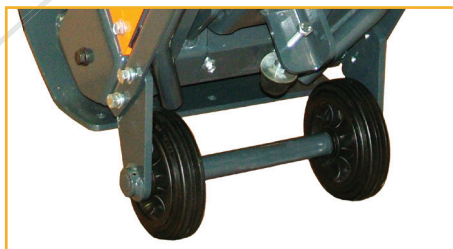
REVERSIBLE PLATE COMPACTORS

Also includes a higher compaction force for shorter usage times & deeper compaction.

Complete with integrated wheel kit for easy transportation these are the perfect solution for the rental market.

FEATURES & BENEFITS

- Maximum compaction from extra high centrifugal force.
- Easy to control with hydraulic gear shift mechanism.
- Designed for easy maintenance with removable covers, belt tensioners and self priming hydraulic systems.
- Built in lifting points enables machines to be easily moved on site.
- Engine protection frames protect the machines from tough site conditions.
- Honda petrol and Hatz Diesel engine variants available, with Diesel Electric Start options available for the 45 & 60 models
- Foldable handle with locking mechanism for simplified transportation and storage.
- Strong protective belt guard offers easy access for servicing
- 45/60 models include 2 x 75mm Extension Plates.
- 60/80 models include 2 x 125mm Extension Plates.



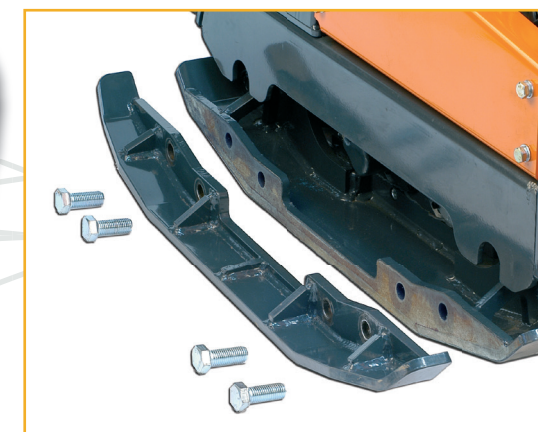
Wheel Kit Option for RPC 30/40 or 30/50



Heavy duty lifting eye on all models



RPC 60/80DE Electric Start and Crank Start



125mm Extension plates option for RPC 60/80

Model	Part Number	Engine Power (Hp) - (kW)	Plate Size (W x L) (mm)	Static Pressure (kg/m ²)	Max. Gradient (°)	Centrifugal Force (kN)	Frequency (Hz)	Max. Travel Speed (m/min)	Dimensions W x L x H (mm)	Weight (kg)
RPC 30/40 - Honda GX160 Petrol	161.9.001	4.9 - 3.6	400 x 657	1238	20	30	95	24 - 26	400 x 1010 x 1161	158
RPC 30/40D - Hatz 1B20 Diesel	161.9.000	4.2 - 3.1	400 x 657	1380	20	30	95	24 - 26	400 x 1010 x 1161	170
RPC 30/50 - Honda GX160 Petrol	161.9.067	4.9 - 3.6	500 x 657	1034	20	30	95	24 - 26	500 x 1010 x 1161	161
RPC 30/50D - Hatz 1B20 Diesel	161.9.066	4.2 - 3.1	500 x 695	1132	20	30	95	24 - 26	500 x 1010 x 1161	174
RPC 45/60 - Honda GX270 Petrol	161.9.005	8.6 - 6.3	600 x 839	1429	20	45	70	26	600 x 1453 x 1120	275
RPC 45/60D - Hatz 1B30 Diesel	161.9.004	6.3 - 4.6	600 x 839	1496	20	45	70	26	600 x 1453 x 1120	291
RPC 45/60DE - Hatz 1B30 Diesel e/s	161.9.068	6.3 - 4.6	600 x 839	1664	20	45	70	26	600 x 1453 x 1120	303
RPC 60/80D - Honda GX390 Petrol	161.9.142	11.8 - 8.7	700 x 945	1220	20	60	70	26	700 x 1509 x 1171	380
RPC 60/80D - Hatz 1D81Z Diesel	161.9.064	13.2 - 9.7	700 x 945	1773	20	60	70	25.5	700 x 1509 x 1171	475
RPC 60/80DE - Hatz 1D81Z Diesel e/s	161.9.065	13.2 - 9.7	700 x 945	1919	20	60	70	25.5	700 x 1509 x 1171	502

OPTIONS

Description	Part Number	Description	Part Number
125mm Extension plates - RPC 60/80	OPP/41/D10	RPC Wheel Kit - 30/40 & 30/50	OPP/18/D10



NO. 1 FOR COMPACTING

RTX RANGE

HEAVY DUTY TRENCH RAMMERS

A comprehensive range of 4-stroke Honda petrol & Yanmar diesel engine trench rammers. The RTX Rammers feature excellent balance for easy control and high level compaction.



NO. 1 FOR COMPACTING

RTX RANGE

HEAVY DUTY TRENCH RAMMERS

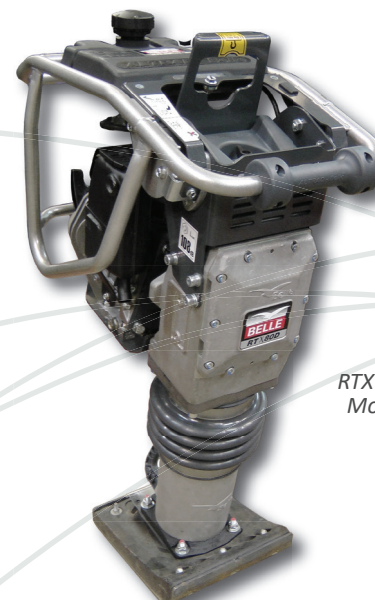
A comprehensive range of 4-stroke Honda petrol & Yanmar diesel engine trench rammers. The RTX Rammers feature excellent balance for easy control and high level compaction.

FEATURES & BENEFITS

- Xtra power for use on cohesive materials & gradients.
- Xtra strong, durable design.
- Low Hand-Arm Vibration.
- Triple-Filtration Air Cleaner System on Petrol models and Dual-Filtration on Diesel model.
- Low-maintenance leg with Oil Level Sight Glass.
- Swing-Out engine protection for easy access to maintenance points (60R, 68R & 70R only)
- Heavy duty, protected Throttle Lever
- Lower Grab Handle and Front Roller for easy transportation. Both easily replaceable.
- Dual-Filtration Fuel System.
- Plastic Feet in various widths and Wheel Kit options available.
- Spark Arrester option available for Diesel model.
- Service Kits available.
- Customer colour options (60R, 68R & 70R only).



RTX 60 Model



RTX 80D Model



RTX 80D Yanmar Diesel model available



Triple Filter Air Cleaner on Petrol Models



Dual Filtration Fuel System

Model	Part Number	Engine Power (Hp) - (kW)	Blows per Min	Carburettor Type	Amplitude (mm)	Frequency (Hz)	Impact Force (kN)	Dimensions W x L x H (mm)	*Foot Size W x L x H (mm)	Weight (kg)
RTX 50R - Honda GXR120 Petrol 230mm Plastic Foot	RTX50H2230	3.7 - 2.7	450 - 660	Diaphragm	52	11	12.5	345 x 670 x 975	230 x 335 x 75	57.7
RTX 60R - Honda GXR120 Petrol 165mm Plastic Foot	RTX60H2165S	3.7 - 2.7	450 - 660	Diaphragm	52	11	13.6	345 x 705 x 975	165 x 335 x 75	60
RTX 60R - Honda GXR120 Petrol 230mm Plastic Foot	RTX60H2230S	3.7 - 2.7	450 - 660	Diaphragm	52	11	13.6	345 x 705 x 975	230 x 335 x 75	60
RTX 60R - Honda GXR120 Petrol 280mm Plastic Foot	RTX60H2280S	3.7 - 2.7	450 - 660	Diaphragm	52	11	13.6	345 x 705 x 975	280 x 335 x 75	60
RTX 68R - Honda GXR120 Petrol 280mm Plastic Foot	RTX68H2280S	3.7 - 2.7	450 - 660	Diaphragm	52	11	16	345 x 705 x 1040	280 x 335 x 75	70
RTX 70R - Honda GXR120 Petrol 280mm Wooden Foot	RTX70H2W280S	3.7 - 2.7	450 - 660	Diaphragm	52	11	18	345 x 705 x 1040	280 x 335 x 75	72
RTX 80D - Yanmar L48 Diesel 280mm Plastic Foot	RTX80Y280	4.6 - 3.4	450 - 600	Injection	52	10	20.5	425 x 700 x 1081	280 x 335 x 75	86

* All Foot Widths are available for each RTX Rammer model.

TRENCH RAMMER

ACCESSORIES RANGE

A range of accessories to accompany your Altrad Belle RTX Trench Rammer.
Includes range of Extension Feet ideal for Micro-Trenching and a Wheel Kit & Transport Trolley to aid manouverability.

FEATURES & BENEFITS

Extension Feet

- Extension Feet comptible with all Rammers in the Altrad Belle RTX Range.
- Standard Feet are interchangeable with the Extension Feet.
- Ideal for Micro-Trenching

Extension Feet & Micro-Trenching

- Less excavation / reinstating costs.
- High compaction rate.
- Fast and more efficient than traditional methods of laying ducting / cables.
- More environmentally friendly.

Transport Trolley

- High quality floatation pneumatic tyres which allow Trolley to be used in the harshest of conditions.
- Adjustable securing latch which ensures the Trolley adapts to all sizes of Rammer within the RTX range quickly and securely.
- Allows safe single-person transportation of the Rammer around site.
- Easy to manoeuvre.
- Wide profile types and wide wheelbase gives extra stability.
- Small enough to pass through standard size doorways.
- Can be used safely with or without the Transport Roller located on the Rammer Handle.
- Ergonomically designed Hand Grips.



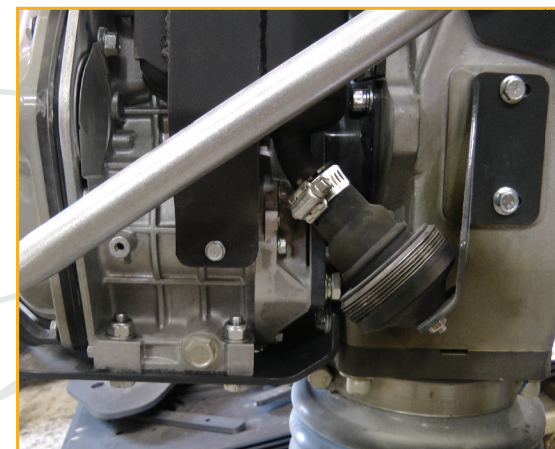
Wheel Kit Option



Hourmeter Option

TRENCH RAMMER

ACCESSORIES RANGE



Spark Arrester Option for Diesel Model



Description	Part Number	Width (mm)	Length (mm)	Height (mm)	RTX 50	RTX 60	RTX 66	RTX 68	RTX 74	RTX 80D
*Plastic Foot Assembly, W = 165mm	980/03300	165	335	-	✓	✓	✓	✓	✓	✓
*Plastic Foot Assembly, W = 230mm	980/02400	230	335	-	✓	✓	✓	✓	✓	✓
*Plastic Foot Assembly, W = 280mm	980/02500	280	335	-	✓	✓	✓	✓	✓	✓
Extension Foot, W = 80mm, H = 260mm	0PRA/08/D10	80	384	260	✓	✓	✓	✓	✓	✓
Extension Foot, W = 80mm, H = 160mm	0PRA/09/D10	80	384	160	✓	✓	✓	✓	✓	✓
Extension Foot, W = 100mm, H = 325mm	0PRA/05/D10	100	335	325	✓	✓	✓	✓	✓	✓
Extension Foot, W = 100mm, H = 160mm	0PRA/13/D10	100	335	160	✓	✓	✓	✓	✓	✓
Extension Foot, W = 165mm	0PRA/06/D10	165	335	325	✓	✓	✓	✓	✓	✓
*Heavy Duty Foot Assembly, W = 175mm	980/70900	175	345	80	✓	✓	✓	✓	✓	✓
*Heavy Duty Foot Assembly, W = 240mm	980/70700	240	345	80	✓	✓	✓	✓	✓	✓
*Heavy Duty Foot Assembly, W = 290mm	980/80300	290	345	80	✓	✓	✓	✓	✓	✓
Wheel Kit	0PRA/04/D10	-	-	-	✓	✓	✓	✓	✓	✓
Hour Meter	0PRA/12/D10	-	-	-	✓	✓	✓	✓	✓	✓
Transport Trolley	0PRA/10/D10	-	-	-	✓	✓	✓	✓	✓	✓
Spark Arrester	0PRA/07/D10	-	-	-	-	-	-	-	-	✓

*Comes complete with fasteners for attaching the Foot to the Rammer Leg.



NO. 1 FOR COMPACTING

TDX 650A

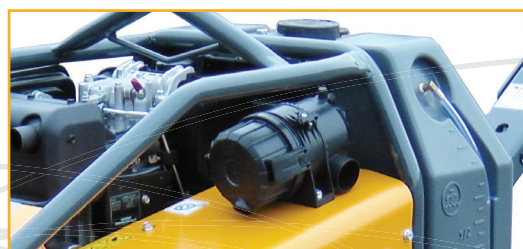
LIGHTWEIGHT TWIN-DRUM ROLLER

A lightweight twin-drum walk-behind roller with hydrostatic drive system. The TDX 650A has a high compaction force but is also compact with well positioned controls making it easy to operate. Suitable for a wide range of sub-base and asphalt compaction applications.



FEATURES & BENEFITS

- Highly responsive, low-maintenance Hydrostatic drive system.
- High-powered, reliable, 9.2hp Air- Cooled, Electric Start Yanmar Diesel engine.
- 16kN high compaction force for productivity.
- Recoil Start back-up on Yanmar engine.
- High-quality Hydraulic System components.
- 65 litre Water Tank with external gauge.
- Easy to service - Remote Oil Drain.
 - Remote Oil Fill.
 - Air Cleaner Access.
- Wall clearance on both sides with no overhang.
- Self-cleaning, adjustable Scraper Bars.
- 18 litre Hydraulic Oil Tank.
- Easy access, removable, front and rear anti-corrosive water sprinkler system.
- Foldable handle with locking mechanism.
- Lockable Diesel fill access flap.
- Drain on Water Tank to prevent frost damage.
- Centrally located Lifting Eye and 4 Strapping / Lifting Points.
- Parking Brake.
- Key Switch protection.
- 2-layer factory powder coated components.
- Customer colour options available.
- Optional Hourmeter available.



Pre-Cleaner as standard



Self-Cleaning, Adjustable Scraper Bars



NO. 1 FOR COMPACTING

TDX 650A

LIGHTWEIGHT TWIN-DRUM ROLLER

A lightweight twin-drum walk-behind roller with hydrostatic drive system. The TDX 650A has a high compaction force but is also compact with well positioned controls making it easy to operate. Suitable for a wide range of sub-base and asphalt compaction applications.



Well positioned, easy to operate controls



9.2hp Yanmar Diesel engine with back-up Recoil start



65 litre Water Tank with external gauge.



Ability to be used right up to kerb edges

Model	Part Number	Engine Power (Hp) - (kW)	Forward Travel Speed (km/hr)	Reverse Travel Speed (km/hr)	Centrifugal Force (kN)	Vibration Frequency (vpm)	Max. Gradient (°)	Drum Width (mm)	Overall Width (mm)	Overall Height (mm)	Overall Length (mm)	Weight (kg)
TDX 650A - Yanmar L100N Diesel	650AYGRY4	9.2 - 6.8	0 - 4.2	0 - 2.3	16	3300	20	650	703	1137	2318	675

OPTIONS

Description	Part Number
Hour Meter	OPR/04/D10

MIXING

- TIP-UP MIXERS
- SITE MIXERS
- UPRIGHT MIXERS
- PADDLE MIXERS
- SKIP-FED MIXERS

BUILDING A SUSTAINABLE FUTURE



NO.1 FOR MIXING

MINIMIX 150

TIP-UP CEMENT MIXER

A heavy duty mixer designed for professional and rental use. The Minimix 150 can be used on or off its stand and is the ideal portable and robust solution for mixing concrete and mortar.

FEATURES & BENEFITS

- Compact and portable for easy transportation.
- Mixes a full barrow load of concrete or mortar.
- Complete with barrow height swivel and stand.
- Full thermal overload protection.
- Proven robust and durable design.
- Extra thick drum with quick mix paddles.
- Heavy-duty sealed cast gearbox for longer life.
- Choice of Honda or Loncin petrol engines or 110v or 230v electric motors to suit the user.
- Ideal for use with the Altrad Belle Warrior Wheelbarrow (see page 137)



Electric Motor



Honda GX120 Engine



Model	Part Number	Motor Power (Hp) - (kW)	Max Drum Capacity (ltr)	Max Mixing Capacity (ltr)	Drum Speed	Paddle Type	Off-Stand Dimensions W x L x H (mm)	On-Stand Dimensions W x L x H (mm)	Weight without Stand (kg)*
Minimix 150 - Honda GX120 Petrol	M54B	3.3 - 2.4	130	90	24rpm	2 x Rapid mix	597 x 1211 x 890	1057 x 1227 x 1432	61
Minimix 150 - Loncin H135 Petrol	M73B	3.5 - 2.6	130	90	24rpm	2 x Rapid mix	597 x 1211 x 890	1057 x 1227 x 1432	61
Minimix 150 - 110v Electric	M12B	0.75 - 0.55	130	90	24rpm	2 x Rapid mix	597 x 1211 x 890	1057 x 1227 x 1432	55.5
Minimix 150 - 230v Electric	M16B	0.75 - 0.55	130	90	24rpm	2 x Rapid mix	597 x 1211 x 890	1057 x 1227 x 1432	55.5
Minimix 150 Drum	CMS12SP	-	130	90	-	2 x Rapid mix	-	-	21

*Stand Weight = 9.5kg



NO.1 FOR MIXING

MINIMIX 150E+

BATTERY POWERED TIP-UP CEMENT MIXER

Heavy duty mixer with an emission free, Li-ion battery powered motor for all your mixing requirements, outdoor usage, indoor usage and poorly ventilated areas.



FEATURES & BENEFITS

- Proven robust and durable design.
- Compact & portable for easy transportation.
- Mixes a full barrow load of concrete or mortar.
- 2.0m3 mix output on 1 single charge - the equivalent of 20+ mixes of concrete / mortar.
- Environmentally friendly, emission free for use indoors & in poorly ventilated areas such as basements and tunnels.
- Can be operated in environmentally sensitive areas, such as green spaces, nature reserves, national parks, rural rail way cuttings and emission controlled urban areas, without any exhaust emissions.
- Low noise offers increased working hours and usage in noise restricted areas.
- No routine power unit maintenance eliminates servicing or costly downtime due to repairs. No blocked carburettors.
- Cordless design gives added flexibility when positioning the mixer for operation.
- Complete with barrow height swivel and stand.
- Extra thick drum with quick mix paddles.
- Quick release / connect battery with digital power level display.
- Heavy-duty sealed cast gearbox for longer life.
- Ideal for use with the Altrad Belle Warrior Wheelbarrow (see page 137)



Emission-free, battery-power power unit



NO.1 FOR MIXING

MINIMIX 150E+

BATTERY POWERED TIP-UP CEMENT MIXER

Can be used on or off its stand and is the ideal portable, robust solution for mixing concrete & mortar but without any engine emissions or the need electrical power supply....Building a Sustainable Future!



On Or Off Stand Operation



Barrow Height Tipping



Quick Release / Connect Battery With Digital Power Level Display

Model	Part Number	Motor Power (Hp) - (kW)	Max. Drum Capacity (ltr)	Max. Mixing Capacity (ltr)	Drum Speed	Paddle Type	Off-Stand Dimensions W x L x H (mm)	On-Stand Dimensions W x L x H (mm)	Weight without Stand (kg)*
Minimix 150E+ - 82v Battery Powered (Mixer Only)	M82B	2.0 - 1.5	130	90	24rpm	2 x Rapid mix	597 x 1211 x 890	1057 x 1227 x 1432	59
Minimix 150E+ Drum	CMS12SP	-	130	90	-	2 x Rapid mix	-	-	21

*Stand Weight = 9.5kg

Model	Part Number	Max. Voltage (v)	Nominal Voltage (v)	Energy Rating (Wh)	Energy Capacity (Ah)	80% Charge Time (mins)	100% Charge Time (mins)	Dimensions W x L x H (mm)	Weight (kg)
82v, 5Ah Li-Ion Battery	OPM/13/D10	82	72	360	5	28	39	90 x 120 x 214	2.8

OPTIONS

Description	Part Number	Weight (Kg)	Description	Part Number	Weight (Kg)
82v, 5Ah Li-Ion Battery	OPM/13/D10	2.8	Storage Box (Box only - Able to store 2 x Batteries & 1 x Charger)	OPM/15/F10	-
82v Battery Charger	OPM/16/F10	2.1			



NO.1 FOR MIXING

MINIMIX 130

TIP-UP CEMENT MIXER

A compact and portable mixer for small building projects. The Minimix 130 can be used on or off its stand and is the ideal cost effective solution for mixing concrete and mortar.

FEATURES & BENEFITS

- Compact and portable for easy transportation.
- Mixes a full barrow load of concrete or mortar.
- Robust and durable design based on years of mixer manufacturing experience.
- Complete with barrow height swivel stand.
- 230v purpose built integrated motor for reliability.



Model	Part Number	Motor Power (Hp) - (kW)	Max Drum Capacity (ltr)	Max Mixing Capacity (ltr)	Drum Speed	Paddle Type	Off-Stand Dimensions W x L x H (mm)	On-Stand Dimensions W x L x H (mm)	Weight without Stand (kg)**
Minimix 130 - 230v Electric	ME23	0.60 - 0.45	130	90	26.5rpm	2 x Welded	580 x 1140 x 860	1000 x 1270 x 1380	34

** Stand Weight = 7.7kg



NO.1 FOR MIXING

ALTRAD ATIKA COMPACT 100

FORCED-ACTION PAN MIXER

Multi-purpose 100 litre pan mixer. The ideal mixer for painters, floor & tile layers and plasterers. It guarantees high productivity, the best mixing results and offers extraordinary manoeuvrability on site.

FEATURES & BENEFITS

- Improved heavy-duty gearbox and motor for increased durability and lower power consumption
- The large wheels enable transportation up and down stairs.
- Fast discharging into buckets and wheelbarrows by segmental slide in drum bottom.
- Centrally positioned operating switch with integrated quick-stop button and safety cut-out for drum lid.
- Fits through standard 28" doorways.
- Compact enough to be transported in estate cars and small vans.
- Offset mixing forks, paddles and scrapers guarantee extraordinary mixing results.
- No tools needed for detaching mixing mechanism for cleaning.
- Protective grid lockable for maximum safety.
- 3-way mixing mechanism with individually interchangeable paddles.
- Solid and robust for tough site conditions.
- Bag scarifiers enable simple and well dosed feeding of mixer.



Ideal with our Wheelbarrow range



Improved Heavy Duty Gearbox and Motor



Fits into estate cars & small vans



Model	Part Number	Motor Power (Hp) - (kW)	Max Drum Capacity (ltr)	Max Mixing Capacity (ltr)	Drum Speed (rpm)	Dimensions W x L x H (mm)	Weight (kg)
Compact 100 Pan Mixer - 110v Electric	CPM01	2.68 - 2.00	100	80	28.5	665 x 720 x 1190	80



NO.1 FOR MIXING

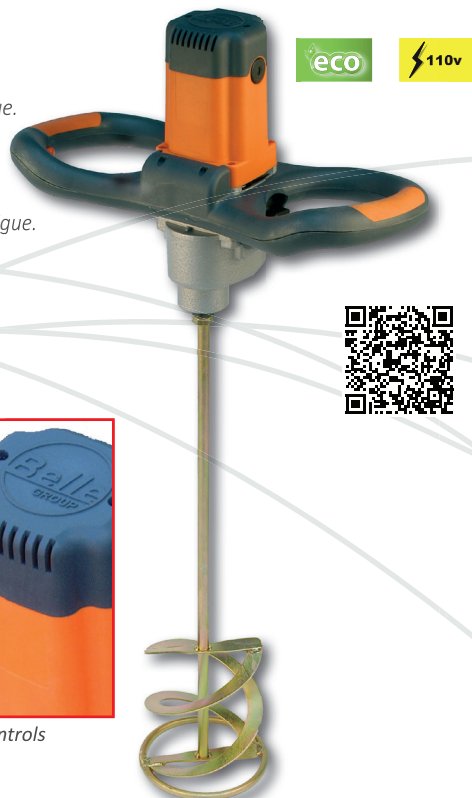
PROMIX 1600E

HAND-HELD PADDLE STIRRER

A high-torque mixing stirrer designed to meet the demands of professionals. Easy and comfortable to use, this machine takes the effort out of mixing materials like plaster, bonding compounds, paints and adhesives.

FEATURES & BENEFITS

- Large heavy-duty motor for higher power and more torque.
- Two speed heavy-duty high torque gearbox for extra life.
- Electronic speed control to ensure constant speed.
- Soft-start motor for more control and reduced splashing.
- Ergonomic handles for operator comfort and reduced fatigue.
- Easy maintenance including quick-change brushes.
- Easy to change tools with standard M14 fit.
- Supplied complete with 2 blade helical paddle.
- Incorporates fail-safe trigger lock.
- Slow start, low splash.



Soft-start motor



Easy access controls

Model	Part Number	Motor Power (watts)	Max Mixing Capacity (ltr)	Speed Range (rpm)	Paddle Diameter (mm)	Paddle Fitting	Weight (kg)	Noise Level (dB(A))
Promix 1600E - 230v Electric	PROM04	1600	227	153-670	160	M14 x 2	7.8*	98
Promix 1600E - 110v Electric	PROM03	1600	227	153-670	160	M14 x 2	7.8*	98

* Weight includes Paddle.

OPTIONS

Description	Part Number	Description	Part Number
2 Blade helical ribbon paddle 140mm dia	949/99584	3 Blade left hand helical ribbon paddle 140mm dia	949/99586
2 Blade helical ribbon paddle 160mm dia	949/99585	3 Blade left hand helical ribbon paddle 160mm dia	949/99587



NO.1 FOR MIXING

MAXI 140

SMALL UPRIGHT MIXERS

A heavy duty upright mixer for professional and rental users. Designed to withstand the rigours of heavy site usage, the Maxi 140 is ideal for mixing concrete and mortar. Ideal for use with the Altrad Belle Warrior Wheelbarrow.

FEATURES & BENEFITS

- Heavy duty integrated stand for stability and durability.
- Fitted with wheel mechanism for added control whilst tipping.
- Barrow height tipping on either side.
- Extra heavy duty gearbox design for longer life and minimal maintenance.
- Enclosed and protected electric and petrol motors to suit the user.



Honda 4Hp Engine



110v Electric Motor



Large heavy duty hand wheel



Model	Part Number	Motor Power (Hp) - (kW)	Max Drum Capacity (ltr)	Max Mixing Capacity (ltr)	Drum Speed (rpm)	Dimensions W x L x H (mm)	Weight (kg)
Maximix 140 - Honda GX120 Petrol (with oil alert)	MA05	3.3 - 2.4	130	90	22	840 x 1192 x 1324	90
Maximix 140 - 230v Electric	MA04	0.75 - 0.55	130	90	22	840 x 1192 x 1324	86.5
Maximix 140 - 110v Electric	MA02	0.75 - 0.55	130	90	22	840 x 1192 x 1324	86.5
Maximix 140 - Drum	CMS12SP	-	130	90	22	-	-



NO.1 FOR MIXING

PREMIER XT RANGE

LARGE SITE CEMENT MIXERS

A heavy-duty site mixer designed for prolonged site and rental use. Built to withstand the toughest conditions, a high specification, the Premier XT range is ideal for mixing larger batches of concrete and mortar.



NO.1 FOR MIXING

PREMIER XT RANGE

LARGE SITE CEMENT MIXERS

A heavy-duty site mixer designed for prolonged site and rental use. Built to withstand the toughest conditions, a high specification, the Premier XT range is ideal for mixing larger batches of concrete and mortar.

FEATURES & BENEFITS

- Extra heavy-duty and robust chassis designed to withstand the worst site conditions.
- Extra rigid and reinforced drum to prevent distortion.
- Heavy duty wheels designed to operate in the toughest of conditions.
- Stage 5 compliant Yanmar L48 Electric-Start Diesel engine.
- Foot operated tip-lock and large tip wheel for added safety and control with large mixes.
- Enhanced mixing performance with Quick-Mix replaceable bolt in paddles.
- New wider profile wheels for extra stability.
- Easy-to-clean tubular chassis.
- Sealed, heavy-duty high specification gearbox for reduced maintenance.
- Lockable stay cool engine compartment for security and lid down operation.
- Extra short wheel base on 100XT and 150XT to fit on compact vehicle tail lifts.

NOTE:- Suitable 16amp supply required for 230v machines.



Parking brake for improved site safety



Foot operated tip lock for added safety



Wide profile tyres for extra stability



'Quick-Mix' Bolt-In Paddles



Model	Part Number	Engine Power (Hp) - (kW)	Drum Volume (ltr)	Mixing Output/ Mixing Volume (ltr)	Drum Speed (rpm)	Paddle Type	Noise Level (dB(A))	Dimensions W x L x H (mm)	Weight (kg)
Premier 100XT - Yanmar L48 Diesel Electric Start	PM20V	3.4 - 2.5	250	110	19	Gated Paddle Design	99	900 x 1765 x 1475	335
Premier 100XT - 110v Electric	PM08	2.0 - 1.5	250	110	19	Gated Paddle Design	87	900 x 1765 x 1475	305.5
Premier 100XT - 230v 1ph Electric	PM06	2.0 - 1.5	250	110	19	Gated Paddle Design	87	900 x 1765 x 1475	303.5
Premier 150XT - Yanmar L48 Diesel Electric Start	PM38V	3.4 - 2.5	300	160	19	Gated Paddle Design	99	900 x 1765 x 1560	344
Premier 150XT - 110v Electric	PM28	2.0 - 1.5	300	160	19	Gated Paddle Design	87	900 x 1765 x 1560	314.5
Premier 150XT - 230v 1ph Electric	PM45	2.0 - 1.5	300	160	19	Gated Paddle Design	87	900 x 1765 x 1560	312.5
Premier 175XT - Yanmar L48 Diesel Electric Start	PM39V	3.4 - 2.5	350	180	19	Gated Paddle Design	99	900 x 1890 x 1520	350
Premier 175XT - 110v Electric	PM31	2.0 - 1.5	350	180	19	Gated Paddle Design	87	900 x 1890 x 1520	322.5
Premier 175XT - 230v 1ph Electric	PM46	2.0 - 1.5	350	180	19	Gated Paddle Design	87	900 x 1890 x 1520	320.5
Premier 200XT - Yanmar L48 Diesel Electric Start	PM40V	3.4 - 2.5	400	220	19	Gated Paddle Design	99	900 x 1890 x 1590	353.5
Premier 200XT - 110v Electric	PM42	2.0 - 1.5	400	220	19	Gated Paddle Design	87	900 x 1890 x 1590	325
Premier 200XT - 230v 1ph Electric	PM47	2.0 - 1.5	400	220	19	Gated Paddle Design	87	900 x 1890 x 1590	323



NO. 1 FOR MIXING

COMMODORE RANGE

LARGE SITE CEMENT MIXERS

A heavy-duty site mixer designed for prolonged site and rental use. Built to withstand the toughest conditions, a high specification, the Commodore range is ideal for mixing larger batches of concrete and mortar.



NO. 1 FOR MIXING

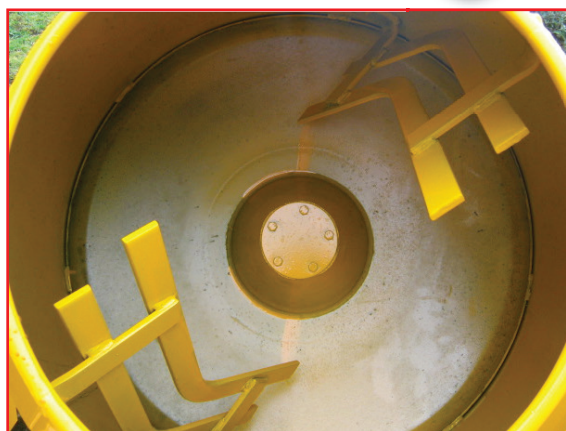
COMMODORE RANGE

LARGE SITE CEMENT MIXERS

A heavy-duty site mixer designed for prolonged site and rental use. Built to withstand the toughest conditions, a high specification, the Commodore range is ideal for mixing larger batches of concrete and mortar.

FEATURES & BENEFITS

- Heavy-duty chassis designed to withstand tough site conditions.
- Rigid, reinforced drum to prevent distortion.
- Foot operated tip-lock and large tip wheel for added safety and control with large mixes.
- Stage 5 compliant Yanmar L48 Electric-Start Diesel engine.
- High quality mixing performance from gated paddle design.
- Easy-to-clean steel chassis.
- Sealed, heavy-duty high specification gearbox for reduced maintenance.
- New wider profile wheels for extra stability.
- Robust, easy to use Parking Brake for increased on-site safety.
- 3 Drum sizes available to suit all your site needs.



New wider profile wheels for extra stability



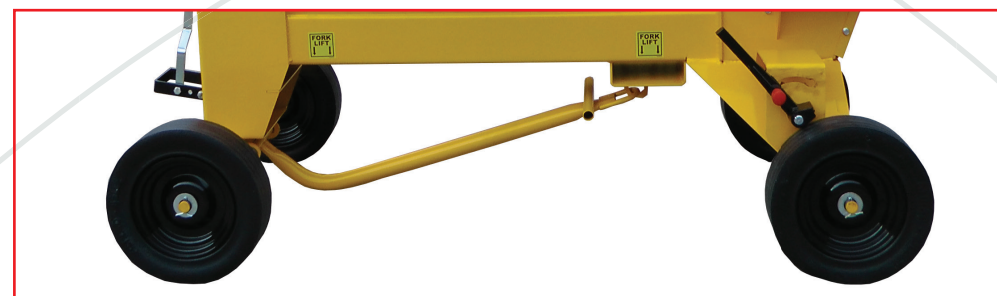
New wider profile wheels for extra stability



Parking brake for improved site safety



Yanmar L48 'Tier V' Diesel engine



Length of all machines allows them to fit on standard tail lifts.

Model	Part No.	Engine Power (Hp) - (kW)	Max Dry Mix Drum Capacity (litr)	Mixed Batch Output (litr)	Drum Speed (rpm)	Paddle Type	Noise Level (dB(A))	Dimensions W x L x H (mm)	Weight (kg)
Commodore 5/3 - Yanmar L48 Diesel Electric Start	COM53VYFY	3.4 - 2.5	160	110	19	Gated Paddle Design	102	900 x 1900 x 1300	418
Commodore 7/5 - Yanmar L48 Diesel Electric Start	COM75VYFY	3.4 - 2.5	220	160	19	Gated Paddle Design	102	900 x 1900 x 1415	423
Commodore 10/7 - Yanmar L48 Diesel Electric Start	COM107VYFY	3.4 - 2.5	310	220	19	Gated Paddle Design	102	900 x 1850 x 1430	438



NO.1 FOR MIXING

AT 350 ROAD TOW MIXERS

Altrad Belle introduces the AT 350 Road Tow Mixer. A rugged mixer designed for site to site portability with a quick and easy set-up and with the latest approved towing system and tail lights.



NO.1 FOR MIXING

AT 350 ROAD TOW MIXERS

Altrad Belle introduces the AT 350 Road Tow Mixer. A rugged mixer designed for site to site portability with a quick and easy set-up and with the latest approved towing system and tail lights.

FEATURES & BENEFITS

- Strong, durable, easy-to-clean chassis designed for demanding on site applications.
- Quick and effortless to transfer from road tow to mix mode.
- Large 280 litre drum.
- Hatz 11B20 Diesel engine.
- Supplied complete with mudguards, tow hitch and fully integrated lighting board.
- Engine canopy with integrated ventilation for improved engine cooling.
- 3 large mixing paddles for enhanced mixing performance.
- Large handwheel for easy tipping with foot pedal locking system.
- Adjustable leg height.
- High quality wheel suspension able to cope with speeds of up to 55mph.
- Lifting eye and Forklift sockets for easy site transportation.
- Cast-Iron ring gear and pinion protection for safe usage.

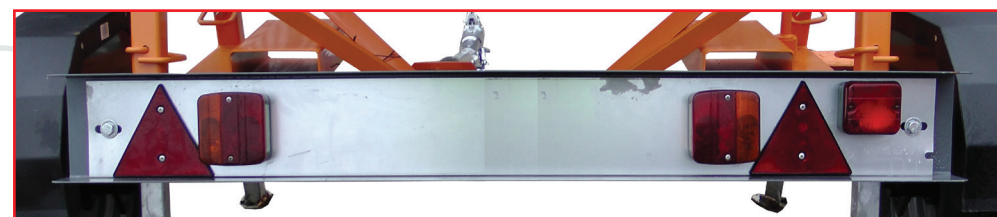
HATZ
DIESEL



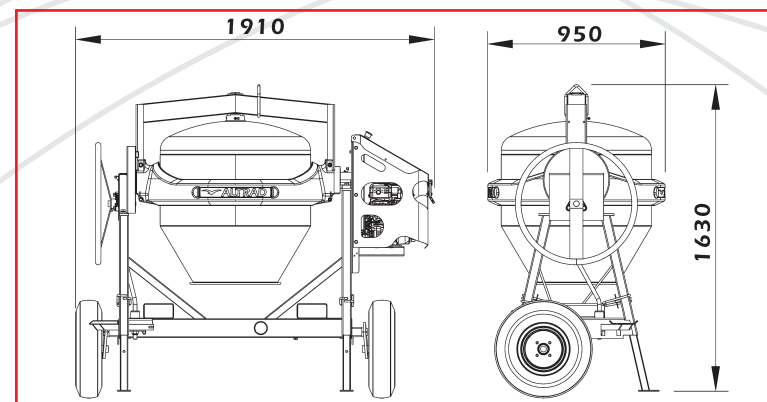
Integrated ventilation in engine canopy



Drum with Gated Paddle design



Fully integrated Lighting Board



Model	Part No.	Engine Power (Hp) - (kW)	Drum Volume (ltr)	Mixing Output / Mixing Volume (ltr)	Paddle Type	Pneumatic Tyres (mm)	Sound Power Level (dB Lwa)	Weight (kg)
AT350 Road Tow Mixer - Honda GX160 Petrol	UK3SP1V09	4.9 - 3.6	340	280	Gated Paddles	500	105	323
AT350 Road Tow Mixer - Hatz 1B20 Diesel	UK3SP1A10	4.6 - 3.4	340	280	Gated Paddles	500	110	337
AT350 Road Tow Mixer - 220v Electric	UK3SP1E01	2.0 - 1.5	340	280	Gated Paddles	500	94	320

Description	Part Number
AG350 Agricultural Mixer (Grey ONLY)	AG350GF
Agricultural Mixer Transmission	LZ030

NO.1 FOR MIXING

RB800H

SKIP-FED MIXERS

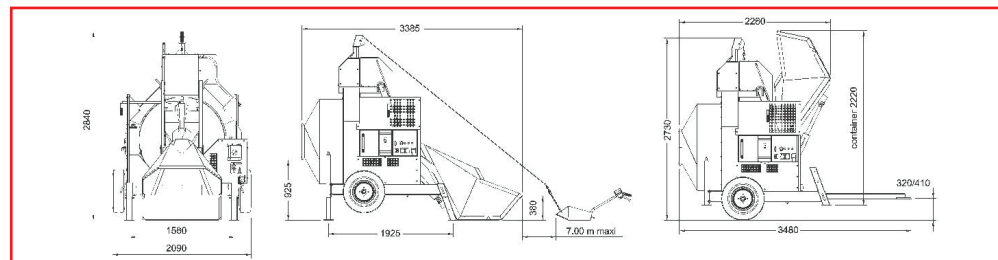
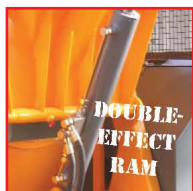
Skip-fed mixer with horizontal drum and Hydraulic skip. Available in electric or diesel with standard scraper powered either by remote control or winch and clutch.

FEATURES & BENEFITS

- Adjustable rear feet with handle.
- Skip equipped with bag cutter and scraper guide.
- Double-effect ram with valve enabling all position skip locking.
- Control panel equipped with phase detector, cuts out in case of incorrect wiring.
- Protective grid ensuring optimal protection.
- Loading Ramp and Towing Plate accessories available.



380v



Model	Power	*Mixing Capacity (Ltr)	*Mixing Output (Ltr)	Water Tank Capacity (Ltr)	Steel Cable Length (mm)	Towing Speed (m/s)	Pneumatic Wheels	Weight with Scraper (kg)
RB800H - 380v/50Hz Electric	7.5Hp - 5.5kW	800	550	60	9500	0.5	185/65 x 15	1200
RB800H - Hatz Diesel Generator	10 kVA	800	550	60	9500	0.5	185/65 x 15	1480

NO.1 FOR MIXING

RB500B

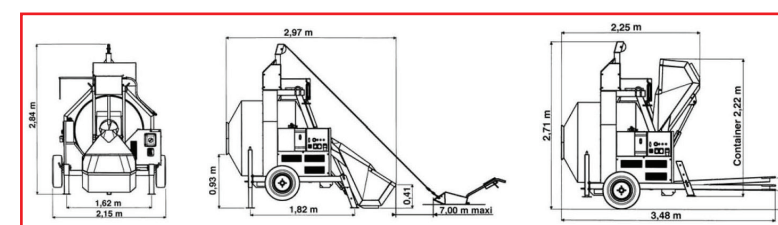
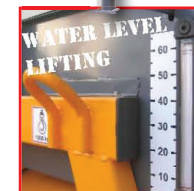
SKIP-FED MIXERS

Skip-fed mixer with hydraulic tipping drum and hydraulic skip. Available in electric, Petrol or diesel with standard scraper powered either by remote control or winch and clutch.

FEATURES & BENEFITS

- Adjustable rear feet with handle.
- Double-effect ram with valve enabling all position skip locking.
- Skip equipped with bag cutter and scraper guide.
- Protective grid ensuring optimal protection.
- Control panel equipped with phase detector, cuts out in case of incorrect wiring.
- The drum tipping is monitored by a hydraulic motor equipped with a valve to guarantee the blocking of the drum in any position.

380v



Model	*Mixing Capacity (Ltr)	*Mixing Output (Ltr)	Water Tank Capacity (Ltr)	Pneumatic Wheels	Towing Speed (m/s)	Steel Cable Length (mm)	Weight (kg)	Weight with Scraper (kg)
RB500B - 380v / 50Hz Electric	460	400	60	175R13	0.5	9500	770	880
RB500B - Honda GX160LX Petrol	460	400	60	175R13	0.5	9500	780	N/A
RB500B - Hatz 1820 Diesel	460	400	60	175R13	0.5	9500	780	N/A



BELLE
LIGHT
CONSTRUCTION
EQUIPMENT



Altrad-Belle.com

CONCRETING

- POKERS
- SCREEDS
- FLOATS & TOOLS
- POWER TROWELS

FEATURES & BENEFITS

- Lightweight and compact for ease of handling.
- High impact motor housing for high durability.
- Double insulated for electrical safety.
- High-frequency vibration for productivity.
- Interchangeable heads and shafts.
- Comes complete with shoulder strap.



Ideal for small volumes of concrete



Easily interchangeable shafts and heads

Model	Part Number	Motor Speed Unloaded (rpm)	Motor Speed Loaded (rpm)	Power (kW)	Loading (Amps)	Weight (kg)
Megavib+ Drive Unit - 110v Electric	244/00100	16000	12000	1.6	13	4.8
Megavib+ Drive Unit - 230v Electric	244/00300	16000	12000	2.3	10	4.8

Model	Part Number	Poker Diameter (mm) - (inch)	Head Length (mm)	Shaft Length (m)	Frequency (Hz)	Centrifugal Force (N)	Weight (kg)
Megavib+ Flexible Shaft - 3m	244/00500	-	-	3	-	-	5
Megavib+ Poker head - 36mm	244/00700	36 - 1¼	292	3	217	4018	1.9
Megavib+ Poker head - 50mm	244/00800	50 - 2	327	3	200	5039	3.7
Megavib+ Poker head - 57mm	244/00900	57 - 2¼	346	3	192	6468	5
Megavib+ Poker head - 25mm (1") Including 3m Shaft	244/01100	25 - 1	300	3	225	882	5.5

BGA RANGE

FLEXIBLE SHAFT POKER SYSTEM

A portable, robust and compact drive system designed for heavy site and rental use, providing effective air removal from concrete from a portable independent power source.

FEATURES & BENEFITS

BGA Pokers

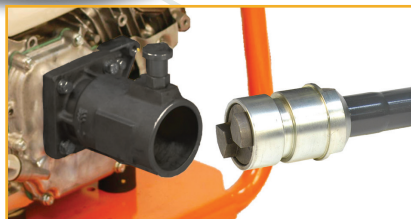
- Single-piece rotating pendulum vibrator, generating 12000vpm.
- Engineered to withstand site abuse and for durability.
- 6m heavy-duty reinforced flexible shaft.
- Industry standard Two Dog drive coupling for maximum compatibility.

BGA Drive Unit

- Robust and durable engine protection frame for added durability.
- Fitted with speed limitation to prevent over-revving of engine and poker burn out.
- Compact and portable, making it easy to transport.
- Choice of Honda or Loncin Petrol or Hatz Diesel Power Units.



Wide range of Poker sizes to suit every need



Industry standard Two Dog coupling



Model	Part Number	Poker Diameter (mm) - (inch)	Head Length (mm)	Shaft Length (m)	Frequency (Hz)	Amplitude (mm)	Weight (kg)
BGA 25mm Poker	165.9.080	25 - 1	295	6	187	0.8	13.1
BGA 35mm Poker	165.9.081	35 - 1 3/8	330	6	187	1.2	15.1
BGA 45mm Poker	165.9.082	45 - 1 3/4	375	6	187	1.2	19.6
BGA 55mm Poker	165.9.083	55 - 2 1/16	390	6	187	1.2	20.6
BGA 68mm Poker	165.9.084	68 - 2 11/16	410	6	187	1	24.6

Model	Part Number	Engine Power (Hp) - (kW)	Engine Speed (rpm)	Dimensions W x L x H (mm)	Weight (kg)
Power Unit - Honda GX160 Petrol	165.9.038	4.9 - 3.6	2800	420 x 445 x 520	26
Power Unit - Loncin H135 Petrol	165.9.090	3.5 - 2.6	2800	420 x 445 x 520	24
Power Unit - Hatz 1820 Diesel	165.9.034	4.6 - 3.4	2800	420 x 500 x 630	43

VIBRATECH+

HIGH-FREQUENCY VIBRATING POKERS

A heavy-duty, highly reliable high frequency electronic poker designed for the toughest of site conditions. The Vibrattech+ pokers use an in-line converter, eliminating the need for an additional external power source.

FEATURES & BENEFITS

- 7m or 10m abrasion-resistant hose to poker head designed for deeply poured concrete.
- 15m of cable to switch for long reach from the power supply.
- Simple and sturdy design enables very reliable operation.
- Long life motor requires virtually no maintenance.
- Die-cast moulded aluminium housing with chamfered edges and LED operation / fault display.
- Environmentally-friendly product with no emissions.
- Rubber End Cap available on 52 & 58 models.



Die-Cast moulded aluminium housing with LED display



15m of cable for use on large sites

Model	Part No.	Hose Length (m)	Poker Diameter (mm) - (inch)	Head Length (mm)	Centrifugal Force (N)	Vibrations per Minute (vpm)	Frequency (Hz)	Input Current (Amps)	Vibration Level* (m/sec ²)	Weight (kg)
Vibrattech+ 38 110v	BVP03	7	38 - 1.5	330	1825	12000	200	1.3	2.13	12
Vibrattech+ 38 110v	BVP04	10	38 - 1.5	330	1825	12000	200	1.3	2.13	16
Vibrattech+ 42 110v	BVP07	7	42 - 1.66	348	2450	12000	200	1.8	2.10	15
Vibrattech+ 52 110v	BVP12	7	52 - 2.0	382	3420	12000	200	2.6	1.77	17
Vibrattech+ 52 110v	BVP13	10	52 - 2.0	382	3420	12000	200	2.6	1.77	22
Vibrattech+ 52 110v cw Rubber Cap	BVP14	7	52 - 2.0	382	3420	12000	200	2.6	1.77	17
Vibrattech+ 58 110v	BVP18	7	58 - 2.3	410	5075	12000	200	3.0	1.99	19
Vibrattech+ 58 110v	BVP19	10	58 - 2.3	410	5075	12000	200	3.0	1.99	24
Vibrattech+ 58 110v cw Rubber Cap	BVP20	7	58 - 2.3	410	5075	12000	200	3.0	1.99	19

EASY SCREED PRO

PROFESSIONAL FREE SCREEDER

A high performance free screeding machine, ultimately designed for levelling and vibrating concrete slabs without the need to run off supporting form work.

FEATURES & BENEFITS

- Adjustable centrifugal force from the vibrator unit optimises performance with different concrete slumps & beam lengths ensuring effective compaction and finishing.
- In-line flexible drive shaft for ultimate durability and reliability.
- High power 4-stroke Honda GX31 engine for high performance & reliability.
- Height adjustable handles for operator comfort and control.
- Different beam lengths available to suit application.
- Isolators ensure vibration is transmitted to the concrete and not the operator.
- Tool-free Quick Clamp enables quick and easy removal of the beam for transportation and storage.
- Heavily reinforced beam for ultimate strength and vibration transmission.
- Double-sided beam profile with one side designed for form free screeding and the other for striking off between form work.
- 9 different beam lengths available from 1.5m to 6m.

HONDA



Close-up of adjustable centrifugal force



Form free Screeding



EASY SCREED PRO

PROFESSIONAL FREE SCREEDER

The drive unit provides control & high power vibration to a reinforced aluminium beam. The tool free removal and reversing of the uniquely shaped beam also allows striking off across traditional form work.

HONDA



Free Screeding and form work screeding possible



Free Screeding and form work screeding possible



Simple one-man operation, even on large bays

Model	Part Number	Engine Power (Hp) - (kW)	Frequency (Hz)	Compaction Depth (mm)	Width (mm)	Height (mm)	Length (mm)	Vibration Level (m/sec ²)	Weight (kg)
Easy Screed Pro Drive Unit - Honda GX31 Petrol	157.3.010	1.6 - 1.2	83	75	630	440	1040	3.75	19.5

Model	Part Number	Width (mm)	Height (mm)	Length (mm)	Weight (kg)
1.5m Aluminium Beam	157.3.000	200	100	1500	6
1.9m Aluminium Beam	157.3.001	200	100	1900	8
2.5m Aluminium Beam	157.3.002	200	100	2500	10.5
3m Aluminium Beam	157.3.003	200	100	3000	12.5
3.75m Aluminium Beam	157.3.004	200	100	3750	15.5
4.25m Aluminium Beam	157.3.005	200	100	4250	17.5
5m Aluminium Beam	157.3.006	200	100	5000	20.5
*5.5 Aluminium Beam	157.3.007	200	100	5500	22.6
*6m Aluminium Beam	157.3.008	200	100	6000	24.6

*Note: 2 drive units recommended to ensure full compaction on 5.5m & 6m beams.



NO.1 FOR CONCRETING

PORTO SCREED

TWIN-BEAM SCREEDER

A twin vibrating beam screed for striking off and vibrating concrete between form work. Its heavy-duty robust construction makes it suited to rental and demanding users.



NO.1 FOR CONCRETING

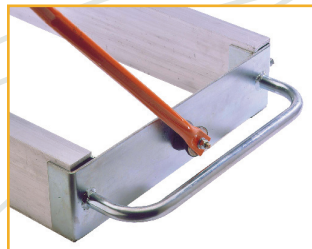
HAND TAMPER

MANUAL TAMPING BEAM

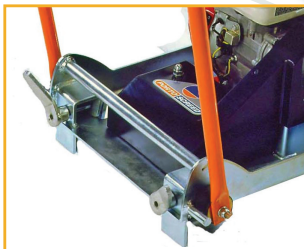
A manually-operated lightweight aluminium tamping beam designed for cost-effective levelling of concrete pads. The hand tamp requires two operatives to manually tamp and drag the concrete to the finished level.

FEATURES & BENEFITS

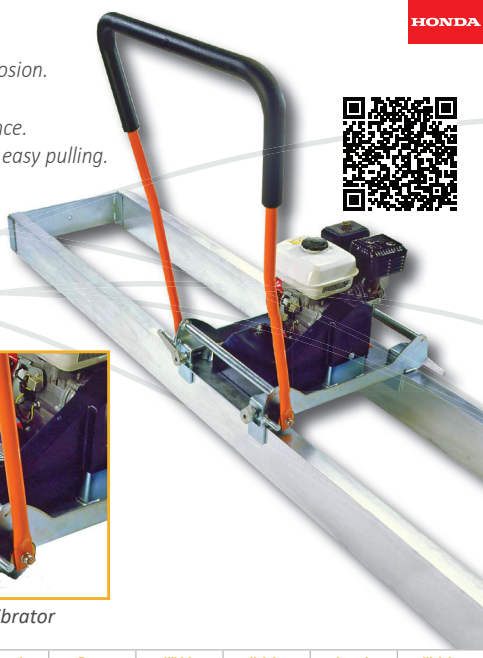
- Drive unit is plated for easy cleaning and to prevent corrosion.
- Concrete is vibrated to a depth of 150mm.
- Enclosed vibrator and drive housing for lower maintenance.
- Fitted with low Hand-Arm Vibration comfort handles for easy pulling.
- Quick Clamp system for tool free on site assembly.
- Drive unit under 50kg for an easy two-man lift on site.
- Simplicity, ease of use and robustness, suits rental organisations.
- A range of fixed and extending beams available from 3.25m to 7.2m lengths.



Aluminium end frames



Fully enclosed vibrator



HONDA



Model	Part Number	Engine Power (Hp) - (kw)	Frequency (Hz)	Compaction Depth (mm)	Force (kN)	Width (mm)	Height (mm)	Length (mm)	Weight (kg)
Porto Screed - Honda GX120 Petrol	149.9.000	3.3 - 2.4	80	150	3.1	704	440	1040	49

OPTIONS

Description	Part Number	Weight (kg)	Description	Part Number	Weight (kg)
5.2m Alu Beams only (set of 2)	36.8.031	48	5.2m Alu Beams & End Frames (set of 2)	149.9.039	53.5
6.2m Alu Beams only (set of 2)	36.8.032	57	6.2m Alu Beams & End Frames (set of 2)	149.9.040	62.5
7.2m Alu Beams only (set of 2)	36.8.033	66	7.2m Alu Beams & End Frames (set of 2)	149.9.041	71.5
Solid end pull handles (Set of 2)	149.3.001	3	5.2m Alu Beams, End Frames & Pull Handles (sets of 2)	149.9.042	56.5
End Frames (Set of 2)	149.3.003	5.5	6.2m Alu Beams, End Frames & Pull Handles (sets of 2)	149.9.043	65.5
Extending beams 3.25 to 5.2m comp.	149.3.004	56	7.2m Alu Beams, End Frames & Pull Handles (sets of 2)	149.9.044	74.5

*Note: 2 drive units recommended to ensure full compaction on 6.2m & 7.2m beams.

FEATURES & BENEFITS

- Low cost option for levelling concrete.
- Highly durable with no moving parts.
- Waist-height handles to minimise operator effort.
- Choice of beam lengths to suit application.
- Lightweight design for ease of use.
- Maintenance free design.



Simple design with beam lengths from 5.2m to 7.2m

Description	Part Number	Weight (kg)
Hand Tamper handles (set of 2)	36.3.024	4
5.2m single beam pre drilled	36.8.043	24
6.2m single beam pre drilled	36.8.044	29
7.2m single beam pre drilled	36.8.045	33



NO.1 FOR CONCRETING

ROLLER STRIKER

HYDRAULIC SPINNING SCREED

The roller striker strikes off and finishes concrete slabs quickly and easily. A spinning tube pulls up the surcharge of concrete as it goes. The spinning roller action leaves aggregate near the surface resulting in a very strong floor, ready for power trowelling if required.



NO.1 FOR CONCRETING

ROLLER STRIKER

HYDRAULIC SPINNING SCREED

The roller striker strikes off and finishes concrete slabs quickly and easily. A spinning tube pulls up the surcharge of concrete as it goes. The spinning roller action leaves aggregate near the surface resulting in a very strong floor, ready for power trowelling if required.

FEATURES & BENEFITS

- Simple and very rapid operation - just pull a spinning tube along form work.
- Quick and easy to set up by connecting two pull handles and a hose to the power source.
- Virtually self-cleaning with the tube requiring just a light hosing down.
- Highly maneuverable making it easy to strike off suspended floor, slopes and very large areas.
- Round Pin connection.
- Ideal for use with the Altrad Belle Major 30-140 Hydraulic Power Pack.
- Tube Carry Handle, Loading Ramp and Skate options available.

For a complete Roller Striker order:

- Hydraulic Drive Kit
- Tube to suit bay width

NOTE:- An external power source is required. For best results use an Altrad Belle Major 30-140; 30ltr Hydraulic Power Pack (See Page 109 for details)



Roller Striker Skate Option



Roller Striker Tube Carry Handle Option



Roller Striker Tube Loading Ramp Option on Truck Headboard

Model	Part Number	Drive Power (Hp) - (kw)	Max Drive Speed (rpm)	Pressure Required (bar)	Flow Required (l/min)	Weight (kg)
Hydraulic Drive Kit	129.9.350	3 - 2.2	500	140	30	20.5

Description	Part Number	Weight (kg)
3.66m 12" Tube only	129.0.012	43
4.26m 14" Tube only	129.0.014	50
4.88m 16" Tube only	129.0.016	57
5.49m 18" Tube only	129.0.018	64
6.10m 20" Tube only	129.0.020	70
6.71m 22" Tube only	129.0.022	77
7.32m 24" Tube only	129.0.024	84
7.92m 26" Tube only	129.0.026	91
Belle drive to Bunyan tube adaptor kit	129.3.009	-

OPTIONS

Description	Part Number
Tube Carry Handle (set of 2)	OPH/08/D10
Loading Ramp	OPH/09/D10
Skate	OPH/10/D10

FLOATS & TOOLS

CONCRETE FINISHING TOOLS

Floats are used to smooth and improve the surface of the concrete. The floats swivel head allows the blade to be pushed and pulled across the surface.

FEATURES & BENEFITS

Easy Bull Float

- A lightweight magnesium alloy blade with reinforcement to prevent warping.
- Rounded corners on float head to reduce track marks when floating.
- Robust heavy-duty design for tough site conditions and rental fleets.
- Alloy 'Knuckle Head' for extra strength and durability.

Big Blue Float

- A tempered Blue Steel blade that achieves an ultra fine finish.
- Extra rounded corners to prevent track marks when floating.
- The sprung steel blade glides over concrete while surface is firm but workable.
- Alloy 'Knuckle Head' for extra strength and durability.

Fresno Broom

- A special combination float for applying a consistent brushed non-slip finish to concrete.
- Leaves a tidy and consistent brushed finish.
- Push over concrete to improve surface consistency then pull to apply brush finish.
- Softer brush available as a spare part.
- Alloy 'Knuckle Head' for extra strength and durability.



Big Blue Float



FLOATS & TOOLS

CONCRETE FINISHING TOOLS

- Floats improve final surface durability, finish and quality by reducing surface laitance.
- With 3 extension handles a 6m bay can be floated.
- Robust knuckle head allows the blade to be angled for ease of use and control on finish.

FEATURES & BENEFITS

Concrete Placer

- A special rake style tool that makes it easy to drag concrete when slab pouring.
- Double-edge blade, one side for moving higher volumes of material and the other for small surface adjustments.
- Reduces the effort required compared to using conventional rakes and shovels.
- Can also be used as a small surface tamper.

Concrete Rake

- A special rake tool that makes it easy to drag concrete when pouring slabs.
- Double-edge blade, one side for moving higher volumes of material, the other uses a serrated edge for the finest surface adjustment.
- Reduces the effort required compared to using conventional rakes and shovels.
- Can also be used as a small surface tamper.



Concrete Rake



Model	Part Number	Width (mm)	Depth (mm)	Total Handle length (m)	Head Weight c/w swivel (kg)	Total Handle Weight (kg)
Easy Bull Float c/w swivel & handles	50901	1200	200	5.4	6	3.6
Easy Bull Float c/w swivel (no handle)	50.3.006	1200	200	N/A	6	N/A
Big Blue c/w swivel and handles	50903	1200	300	5.4	7.5	3.6
Big Blue c/w swivel (no handle)	50.3.005	1200	300	N/A	7.5	N/A
Fresno Broom c/w swivel and handles	50905	900	220	5.4	6	3.6
Fresno Broom c/w swivel (no handle)	50.3.008	900	220	N/A	6	N/A
Handle section 1 only	50010	N/A	N/A	1.8	N/A	1.2
Concrete Placer	50.9.005	495	115	1.4	1.5	0.5
Concrete Rake	50.9.007	570	130	1.4	1.5	0.5



NO.1 FOR CONCRETING

PRO / PRO-TILT

900MM & 1200MM POWER TROWELS

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.

FEATURES & BENEFITS

- Accurate screw adjusted pitch control option or Pro-Tilt system option for rapid blade adjustment.
- Deadmans Handle engine cut out, stops the trowel quickly and safely.
- Designed for continuous use on large floors.
- Self operated clutch system for ultimate low speed control & easy starting.
- Easy lift with carry handles and carry bar.
- Excellent operator comfort with padded, height-adjustable handlebars.
- Sliding guard rail enables wall to wall trowelling (1200 only).
- Central lifting point.
- Transporter Attachment available.
- Customer colour options available.



Transporter Attachment



'Pro Tilt' System



OPTIONS

Description	Part Number	Description	Part Number
Pro 900 - Float Pan	128.8.000	Pro 1200 - Float Pan	160.8.000
Pro 900 - Float Blades (4)	111.8.000	Pro 1200 - Float Blades (4)	111.8.010
Pro 900 - Finishing Blades (4)	111.8.001	Pro 1200 - Finishing Blades (4)	111.8.011
Pro 900 - Combination Blades (4)	111.8.002	Pro 1200 - Combination Blades (4)	111.8.012
Transporter Attachment	OPT/08/D10		

HONDA



NO.1 FOR CONCRETING

PRO 600X

600MM POWER TROWEL

A small power trowel for producing a high specification finish on concrete. The Pro 600X Trowel is compact and ideal for confined areas. The spinning guard enables wall-to-wall trowelling.

FEATURES & BENEFITS

- Narrow design enables trowelling through doorways.
- Folding handle for compact storage.
- Complete with float pan for pre-surface finishing.
- Clutch control system enables easy starting and ultimate control.
- Spinning guard ring for wall-to-wall trowelling.



Spinning guard ring



Screw pitch adjustment



Folding Handle for Easy Storage



Model	Part Number	Engine Power (Hp - kw)	Trowelling Diameter (mm) - (inch)	Trowelling Speed (rpm)	Dimensions W x L x H (mm)	Weight (kg)
Pro 600X - Honda GX120 Petrol	MT01	3.3 - 2.4	600 - 24	50 - 115	600 x 1500 x 930	67

OPTIONS

Description	Part Number
Pro 600X - Float Pan	945/00200
Pro 600X - Finishing Blades (4)	945/99518

HONDA



BELLE
LIGHT
CONSTRUCTION
EQUIPMENT



Altrad-Belle.com

PUMPING

SEMI-TRASH WATER PUMP



BUILDING A SUSTAINABLE FUTURE

NO. 1 FOR PUMPING

WPX 3/30

3" SEMI-TRASH WATER PUMP

The WPX 3/30 is a durable, powerful, petrol engine driven, 3" semi-trash water pump designed for a variety of residential, commercial and agricultural tasks. It is suitable for sandy or muddy water and debris up to 1" in diameter.

FEATURES & BENEFITS

- Suitable for pumping sandy or muddy water and debris up to 3" (25.4mm) in diameter.
- Robust large diameter frame for the harshest conditions.
- Stackable frame design with single point lifting to reduce environmental impact and minimize manual handling risk. With securing pin for added safety.
- Can be stacked with Altrad Belle GPX 2700 & GPX 3400 Generators.
- Protection belly plate to aid use on soft ground.
- High output capacity of 1000 ltr/min.
- Cast-iron volute & impeller for long life performance & durability.
- Max. suction lift of 6m.
- Max. head height of 30m for use in a wide range of applications.
- Powerful Loncin/Belle G200F petrol engine.
- 3" suction and discharge ports.
- Removeable side guards for ease of access to service points.
- Easy to maintain and remove blockages on-site without tools.
- Customer colour options available.



Cast Iron Volute & Impeller



Comes Complete With Hose Clips & Strainer

Model	Part Number	Engine Power (Hp) - (kW)	Suction Port Dia. (In) - (mm)	Discharge Port Dia. (In) - (mm)	Max. Suction Lift (m)	Max. Total Head (m)	Max. Flow Rate (ltr/min)	Displacement (cc)	Fuel Tank Capacity (ltr)	Dimensions W x H x L (mm)	Weight (kg)
WPX 3/30 - Loncin/Belle G200F Petrol	WPX330L01	5.5 - 4.1	3 - 80	3 - 80	6	30	1000	196	3.6	432 x 515 x 645	44

OPTIONS

NOTE:- The pump comes complete with 3 x Hose Clips and a Strainer. The hoses DO NOT come as part of the machine and will need to be purchased separately.

Description	Part Number	Description	Part Number	Description	Part Number
3" x 6m Suction Hose	35/0018	3" x 30m Layflat / Delivery Hose	35/0020	3" Band Clamp	3/7100
3" x 30m Hose	35/0019	Straight Hose Coupler	WPX/99917	3" Firemans Coupling Kit	OPB/04/D10
3" x 10m Layflat / Delivery Hose	165.0.169				

CUTTING

- FLOOR SAWS
- BENCH SAWS
- PAVING TOOLS
- DIAMOND BLADES

BUILDING A SUSTAINABLE FUTURE.

NO. 1 FOR CUTTING

MINIPAVE COMPACT BLOCKSPLITTER

A compact and lightweight block splitter designed for cutting standard 100mm x 200mm block.
The Minipave is ideal for smaller jobs where its portability makes the operator's job quicker and easier.

FEATURES & BENEFITS

- Simple to operate and safe to use, making it ideal for a range of users.
- Cam action with composite bearings gives very high cutting force.
- Works at floor level so the operator does not need to stand to cut blocks.
- Compact, lightweight and highly portable to aid transport and storage.
- Robust with maintenance free operation.
- Four-sided blades give increased life.



Lightweight and compact - will fit into any car



Four sided heavy duty blades



Large handle for easy cutting



Can easily be carried around site

Model	Part Number	Cut Force (kgf) - (kN)	Blade Type	Cam Movement	Adjustment Screws (mm)	Block Depth (mm)	Max Cut Length (mm)	Dimensions W x L x H (mm)	Weight (kg)
Minipave Block Splitter (c/w Blades)	155.0.000	3200 - 31.4	2 off 8mm square section 250mm long	Block Clearance 3mm - Cutting 2mm	Fast acting - Trapezoidal 40mm	Max 87mm Min 47mm	250	140 x 659 x 244	18

OPTIONS

Description	Part Number
Minipave Replacement Blade (2 required per Block Splitter)	155.0.025



NO. 1 FOR CUTTING

MAXIPAWE

HEAVY-DUTY BLOCKSPLITTER

A heavy duty block splitter designed for cutting all common types of block paving. The long cutting handle makes it easy to cut even the thickest of blocks.

FEATURES & BENEFITS

- High performance split achieved through cam action and extra long cutting handle.
- Easy to adjust to block size with large thread, single screw adjuster.
- Lock-down handle and wheels for easy on site wheeling.
- Folding handle for easy transportation and storage.
- Ultra robust and reliable design.
- 1 to 152 pressure ratio.



Folding Handle for easy storage



Large thread screw adjuster



Large handle for easy cutting

Model	Part Number	Cut Force (kgf - kN)	Max. Cutting Length (mm)	Max Cutting Height (mm)	Dimensions W x L x H (mm)	Weight (kg)
Maxipave Block Splitter (c/w Blades)	MBS08	4650 - 45.6	400	120	315x 1170 x 585	35.5

OPTIONS

Description	Part Number
Maxipave Replacement Blade	976/99904



NO. 1 FOR CUTTING

BLOCK PAVING EQUIPMENT

MAINTENANCE TOOLS

A range of hand tools designed to make the laying and maintaining of block paving sets quick and easy.

FEATURES & BENEFITS

Block Mallet

- Designed to force blocks into place without marking or damaging.
- Square-shaped head to achieve best contact and reduce the risk of potential damage.
- 3kg square rubber head, 700mm long extra thick handle.



Gap Wedge

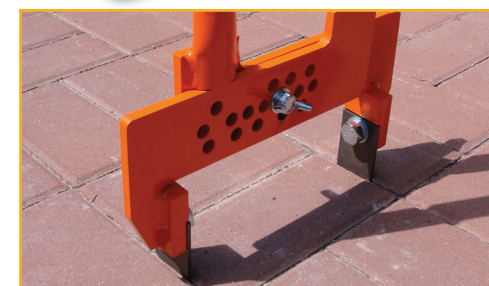
- Used to force a gap between laid blocks for extraction or maintenance.
- Fitted with two sizes of hardened wedges.

Block Lifter

- Lifts a block out from a set with no damage.
- Adjusts to accept block sizes between 90 - 240mm.
- Long handles for ease of operation.



Ideal for positioning and extracting blocks



Effortless block extraction with no damage

Description	Part Number	Weight (kg)
Gap Wedge	MBS02	3.0
Block Lifter	MBS09	3.1
Block Mallet	MBS04	7.0

NO. 1 FOR CUTTING

BC 350

350MM MASONRY BENCH SAWS

A portable electrical bench saw designed for cutting a range of materials such as bricks, slabs and large tiles. Powerful and easy to use, the BC 350 is ideal for contractors and rental users.

FEATURES & BENEFITS

- Straight and accurate cutting is achieved through the use of a sliding table fitted with seize-free rollers.
- Powerful, quiet and maintenance-free induction motor for fast, effective cutting.
- Dust free operation from a highly reliable submersible electric pump.
- Detachable legs for ease of transport and storage.
- Cutting head can be tilted and raised or lowered for mitre and height adjustable cutting.
- Long 650mm cut length for cutting materials such as large slabs.

NOTE:- On 110v machines a 5kVA minimum transformer size is recommended.

NOTE:- Suitable 16amp supply required for 230v machines.



110v
230v



Ideal for cutting large bricks, slabs etc.



45° cutting capabilities

Model	Part No.	Motor Power (Hp) - (kW)	Blade Size (mm)	Blade Speed (rpm)	Max Cut Depth (mm)	Length of cut (mm)	Tank Cap (ltr)	Dimensions W x L x H (mm)	Weight (kg)
BC 350 - 110v 1ph 32Amp Electric	171.9.000	3.0 - 2.2	350 x 25.4	3000	128	650	50	662 x 1137 x 1265	79
BC 350 - 230v 1ph 16Amp Electric	171.9.001	3.0 - 2.2	350 x 25.4	3000	128	650	50	662 x 1137 x 1265	79

For advice and full information on cutting blades to match your requirements please call the Altrad Belle service on: 01298 84606

NO. 1 FOR CUTTING

MS 500

500MM MASONRY BENCH SAWS

A heavy duty and robust high capacity table saw. The MS 500 saw has a host of features for improved safety, portability, ease of use and productivity. Designed for cutting all types of materials.

FEATURES & BENEFITS

- Straight & accurate cutting is achieved through the use of a sliding table fitted with seize free rollers.
- Fitted with wheels and fold away handles for ease of transportation and maneuverability.
- Dust-free operation from a highly reliable submersible pump.
- Cutting head can be raised and lowered either by hand or foot mechanisms for ease and speed of use.
- Easy-to-reach controls for added safety.
- Forklift Points for safe transportation.
- Wrap-around handle for left and right hand use.
- Machine splits in two for ease of transportation and storage.
- Extra large blade guard to take larger blades for increased depth of cut.

NOTE:- On 110v machines a 10kVA minimum transformer size is recommended.



Forklift Points for safe transportation



Easy to access controls for added safety

Model	Part Number	Engine Power (Hp) - (kW)	Blade Size (mm)	Blade Speed (rpm)	Max Depth of Cut (mm)	Length of cut (mm)	Tank Capacity (ltr)	Dimensions W x L x H (mm)	Weight (kg)	Noise Level (dB(A))
MS 500 - Honda GX160 Petrol	MS501	4.9 - 3.6	500 x 25.4	2256	195	560	57.3	715 x 1410 x 1590	202.5	107
MS 500 - 110v 1ph 32Amp Electric	MS507	3.4 - 2.5	500 x 25.4	2256	195	560	57.3	715 x 1410 x 1590	202.5	107
MS 500 - 230v 1ph 16Amp Electric	MS513	3.4 - 2.5	500 x 25.4	2256	195	560	57.3	715 x 1410 x 1590	202.5	107

For advice and full information on cutting blades to match your requirements please call the Altrad Belle service on: 01298 84606



NO. 1 FOR CUTTING

DUO 350X

350MM TWIN-BLADE FLOOR SAW

A robust, high standard twin-blade floor saw specifically designed for micro-trenching. Designed with the industry's lowest hand arm vibration levels.



NO. 1 FOR CUTTING

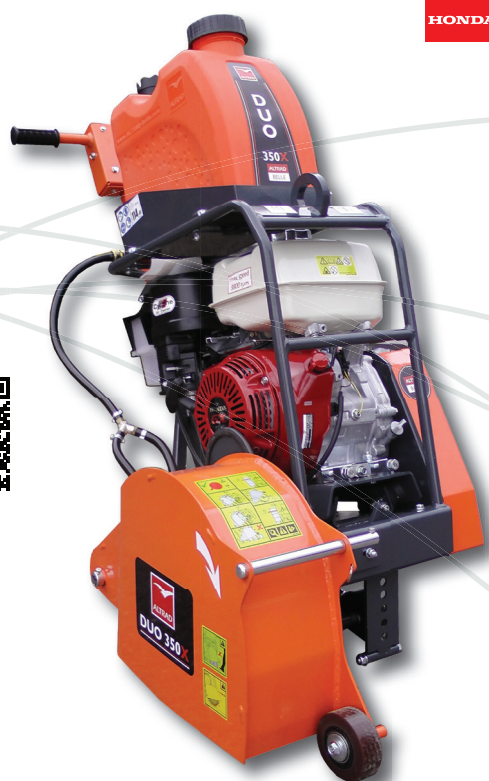
DUO 350X

350MM TWIN-BLADE FLOOR SAW

A robust, high standard twin-blade floor saw specifically designed for micro-trenching. Designed with the industry's lowest hand arm vibration levels.

FEATURES & BENEFITS

- Low Hand Arm Vibration levels - Patented design.
- Twin Blade setup reduces operation times.
- Innovative Guard that never exposes the Blades.
- Ideal for trench cutting.
- Easily transported (Fits into back of small van).
- Specially moulded 25 litre detachable water tank with built in water level gauge.
- Foot operated depth adjustment for speed, simplicity and safety.
- Robust construction to survive the heaviest contract work.
- Can be used for single Blade operation.



HONDA



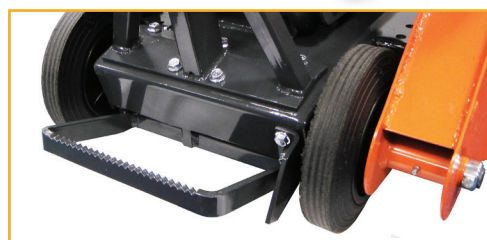
HONDA



25 litre detachable water tank with built in water level gauge



Twin Blade Setup Reduces Operation Time



Robust Blade Depth Adjustment Foot Pedal



100mm Cutting Width



Innovative Guard that never exposes the Blade

Model	Part Number	Engine Power (Hp) - (kW)	Blade Size (mm)	Blade Speed (rpm)	Max Depth of Cut (mm)	Cutting Width (mm)	Vibration Level (m/sec ²)	Dimensions W x L x H (mm)	Weight (kg)
Duo 350X - Honda GX390 Petrol	DSXA01	11.8 - 8.7	350 x 25.4	3600	120	100	3.6*	618 x 870 x 1019	120

*Vibration levels tested to BS5349 using EN 500-4

For advice and full information on cutting blades to match your requirements please call the Altrad Belle service on: 01298 84606



NO. 1 FOR CUTTING

COMPACT 350X

350MM FLOOR SAW

A high specification floor saw with industry's lowest low hand arm vibration levels. Features an engine protection frame to protect the saw in the worst of conditions. Simple to operate and safe to use - the ideal contractors' saw.



NO. 1 FOR CUTTING

RANGER 450

450MM FLOOR SAW

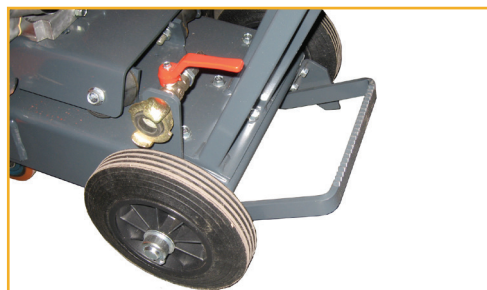
A very productive floor saw for all floor & road applications in concrete & asphalt. Its accurate control & good stability ensures smooth cutting and reduces blade wear. An ideal machine for rental and endurance work productivity. Designed for cutting all types of materials.

FEATURES & BENEFITS

- Very low Hand Arm Vibration levels for the longest safe usage times.
- Easily transported (fits in the back of a small van).
- Specially moulded 25-litre detachable water tank.
- Foot operated depth adjustment for speed, simplicity and safety.
- Robust construction to survive the heaviest contract work.
- Adjustable handle height.
- Effective dust suppression.



Quick connection water tank system



Foot operated depth control



HONDA



Heavy duty easily accessible Blade guard

FEATURES & BENEFITS

- Accurate easy moving Hand Wheel depth adjustment.
- 50 litre corrosion resistant water tank.
- Easy to operate and accelerate with efficient weight distribution.
- Central lifting points and handles fitted as standard.
- Cutting depth gauge with indicator for both 400 & 450mm blades.
- Honda GX390 petrol engine.



HONDA



Easily accessible Blade guard



Heavy Duty Hand Wheel

Model	Part Number	Engine Power (Hp) - (kW)	Blade Size (mm)	Blade Speed (rpm)	Max Depth of Cut (mm)	Vibration Level (m/sec ²)	Dimensions W x L x H (mm)	Weight (kg)
Compact 350X - Honda GX390 Petrol	CSXA01	11.8 - 8.7	350 x 25.4	3600	125	2.8*	510 x 830 x 1095	96

*OPERC independent testing/Vibration levels tested to BS5349 using EN 500-4

For advice and full information on cutting blades to match your requirements please call the ALTRAD Belle service on: 01298 84606

Model	Part Number	Engine Power (Hp) - (kW)	Blade Size (mm)	Blade Speed (rpm)	Max Depth of Cut (mm)	Dimensions W x L x H (mm)	Weight (kg)
Ranger 450 - Honda GX390 Petrol	RAN01	11.8 - 8.7	450 x 25.4	2615	160	650 x 1250 x 950	126

For advice and full information on cutting blades to match your requirements please call the Altrad Belle service on: 01298 84606

DIAMOND BLADES

Our platinum range of diamond blades has a double laser welded 10mm high diamond segment. These have been designed to give excellent speed of cut and a very long life. Excellent value for money. Our gold & bronze range of diamond blades are designed to provide good productivity Levels at the lowest possible cost. There is a blade to suit everyone's needs.

DIAMOND BLADES

PUX SPECIALIST RANGE

Our specialist range of diamond blades has 10mm or 12mm high segment with high diamond concentration. The PUX range is the ultimate multi purpose diamond blade.

Application	Bond (segment)	Disc Quality	PLATINUM ★ ★ ★ ★ ★ ★	GOLD ★ ★ ★ ★ ★			BRONZE ★ ★
		Application Material	Multi Materials	Hard Materials	General Materials	Asphalt	General Purpose
		Product Code	PUX	GH	GGP	GA	BGP
Hard	Soft	Mild Steel Rods & reinforcement	★ ★	✗	✗	✗	✗
		Scaffolding Tube	★ ★	✗	✗	✗	✗
	Granite	★ ★ ★	★ ★ ★	✗	✗	✗	
	Engineering Blocks	★ ★ ★	★ ★ ★	✗	✗	✗	
	Old Cured Concrete	★ ★ ★	★ ★ ★	✗	✗	✗	
	Clay Pipes	★ ★ ★	★ ★ ★	✗	✗	✗	
	Dense Clay Bricks	★ ★ ★	★ ★ ★	✗	✗	✗	
	Clay/Hard Pavers	★ ★ ★	★ ★ ★	★	✗	✗	
	Hard Facing Bricks	★ ★ ★	★ ★ ★	★	✗	★	
	Concrete Paving Slabs	★ ★ ★	★ ★ ★	★ ★	✗	★	
	Reinforced Concrete Lintels	★ ★ ★	★ ★	★ ★ ★	✗	★	
	Cured Concrete	★ ★ ★	★	★ ★ ★	✗	★ ★	
	Concrete Pipes & Kerbs	★ ★ ★	★	★ ★ ★	✗	★ ★	
	Medium Facing Bricks	★ ★ ★	★	★ ★ ★	✗	★ ★	
	Hard Sandstones	★ ★ ★	★	★ ★ ★	✗	★	
	Slate	★ ★ ★	✗	★ ★ ★	✗	★	
	Medium Block Pavers	★ ★ ★	✗	★ ★ ★	✗	★	
	Concrete Roofing Tiles	★ ★ ★	✗	★ ★	✗	★	
	Medium Sandstones	★ ★ ★	✗	★	★	★ ★	
	Asphalt Over Concrete	★ ★ ★	✗	✗	★ ★	✗	
	Breeze Blocks	★ ★ ★	✗	★	★ ★	★	
	Green Concrete	★ ★ ★	✗	✗	★ ★ ★	✗	
	Soft	Lignacite & Aerated Blocks	★ ★ ★	✗	✗	★ ★ ★	✗
		Asphalt	★ ★ ★	✗	✗	★ ★ ★	✗

★★★★ High Performance - Excellent cutting speed and life ★★★ Good Performance - Cutting speed and life

★★ Recommended - Acceptable cutting speed and life ★ Acceptable - Will do the job X Not Suitable

For further information, please contact our specialist Diamond Team on: 01298 84606



Platinum Universal Xtra (PUX)

A special fast cutting universal design for all Concrete (including Green Concrete), Asphalt (including Asphalt over Concrete) Masonry Materials (such as Concrete Paving Slabs & Brick) including drop segments for undercut protection.

Part Number	Size (mm)	Speed (rpm)	Segment Height (mm)
PUX30020	300 x 20	6360	10
PUX35025	350 x 25	5450	10
PUX45025	450 x 25	3395	12



DIAMOND BLADES

GOLD RANGE

The gold range of 10 - 15mm high segment double laser welded diamond products is a range of high quality blades specifically designed to provide good productivity levels at the lowest possible cost. Blades 300mm and over include 15mm undercut protection-segments.



Gold Hard (GH)

For hard non-abrasive products. Very hard concrete, class A engineering bricks, 65-100 Newton clay paviors, hard flint aggregate concretes. Reinforced concrete lintels, kerbs and hard paving slabs. Hard clay roof tiles, hard slate.

Part Number	Size (mm)	Speed (rpm)	Segment Height (mm)
GH30020	300 x 20	6360	15
GH35025	350 x 25	5450	15
GH45025	450 x 25	3395	15



Gold General Masonry (GGP)

For extensive use on a wide range of products including most medium aggregate concretes. General masonry products, stock paving bricks, most roofing tiles and hard sandstones.

Part Number	Size (mm)	Speed (rpm)	Segment Height (mm)
GGP35025	350 x 25	5450	15
GGP45025	450 x 25	3395	15
GGP50025	500 x 25	5450	15



Gold Asphalt (GA)

For use on Asphalt, some asphalt over concrete, medium to soft sandstone, abrasive blocks, breeze blocks, green concretes, and other highly abrasive applications.

Part Number	Size (mm)	Speed (rpm)	Segment Height (mm)
GA30020	300 x 20	6360	10
GA35025	350 x 25	5450	10
GA45025	450 x 25	3395	10



DIAMOND BLADES

BRONZE & CONTINUOUS RIM RANGE

The bronze range of 10mm high diamond blades has a high diamond concentration and are 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 Platinum Continuous Rim diamond blades are ideal for precision cutting of hard materials.



Bronze General Masonry (BGP)

For extensive use on a wide range of products including most medium aggregate concretes, general masonry products and building media, stock paving bricks, most roofing tiles and hard sandstones.

Part Number	Size (mm)	Speed (rpm)	Segment Height (mm)
BGP23022	230 x 22	6650	10
BGP30020	300 x 20	6360	10



Continuous Rim Tile Cutting Blade (CRT)

For precision cutting of hard materials such as granite, ceramic tiles, quarry tiles, floor tiles and slate tiles. Very high diamond concentration giving long life.

Part Number	Size (mm)	Speed (rpm)	Segment Height (mm)
CRT18025	180 x 25	8730	10
CRT20025	200 x 25	7600	10
CRT23025	230 x 25	6650	10



DIAMOND BLADES

GENERAL SAFETY

Altrad Belle offers a range of diamond blades all manufactured to ISO, FEPA and DSA international standards. The safety guidelines below explain how to ensure that the operators safety is maintained.

General

- The correct specification blade has been selected for the application.
- The machine selected for the operation is of the correct specification and has been serviced to a standard that complies to the manufacturer's service recommendations.
- That the machine complies or exceeds all relevant health and safety regulations.
- That the area of operation is clean and tidy and complies with any need for barriers, signs, warning notices etc.
- That the operator has been properly trained and certified for machine operation and health and safety regulations.
- That in the case of electrically powered machines, the machine is of the correct voltage and that the site supply is adequate both in terms of power supply and compliance to site electricity supply regulations.
- Always ensure that when fitting a blade the machine is disconnected from the power source & correct tools used.
- That the site is free of pets and children.

Using the Diamond product ensure that:

- The blade or bit is operating at the manufacturer's recommended speed.
- The blade or bit is fed into the work at a suitable rate.
- In the case of wet cutting an adequate supply of water is available.
- The blade is in an undamaged condition.
- The blade is never twisted or forced in the cut. The blade is gradually lowered into the material being cut.
- The material being cut is not hand or foot restrained.
- The blade and machine are inspected for wear or damage prior to each use.

For your personal safety always ensure that you:



Wear suitable ear defenders.



Wear suitable foot wear.



Wear suitable eye protection.



Wear suitable protection against dust.

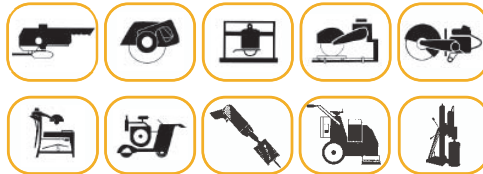


Wear suitable clothing.



Read the instructions carefully.

Types of equipment used with diamond products:



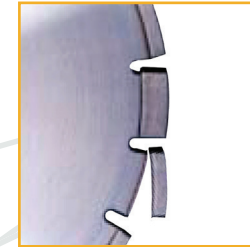
DIAMOND BLADES

GENERAL SAFETY

As part of our ongoing commitment to customer safety, we hope you will find these guides a useful tool in ascertaining any problems you may come across from time to time when using Altrad Belle diamond blades.

Segment Loss

- Blade has twisted or jammed in the cut because the material was not held firmly.
- Machine has been twisted or turned while blade is in the cut.
- Blade core has undercut due to cutting below the asphalt into the sub-base.

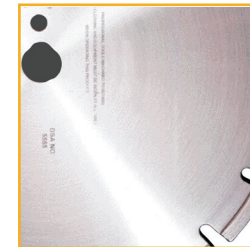


- Blade is too hard for the material being cut, resulting in the blade hammering in the cut.
- Blade is deflected in the cut due to the blade flanges being worn or deformed and failing to provide proper support.

- Inadequate water supply.

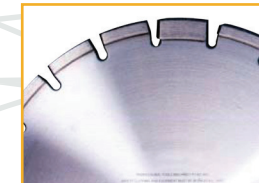
Damaged Arbor Hole

- Blade will hammer if it is incorrectly aligned when mounted. Make sure that the blade is mounted on the correct diameter spindle before tightening.
- Make sure that the pin holes slide over the drive pin.
- The blade will spin or vibrate on the spindle if the flanges are not properly tightened.
- The blade will pound if the saw shaft is badly worn or grooved.



Blade not Cutting

- Check that specification is correct for the material. Dull blades can be sharpened by cutting a soft abrasive material.
- Machine drive belts need re-tightening or the machine has insufficient horsepower for the specification being used.



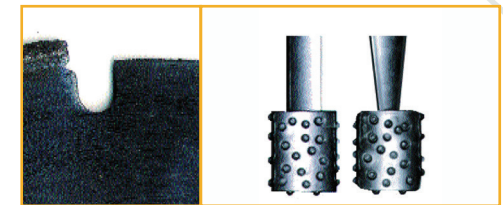
- Check direction of rotation.

Undercutting

- The effect of premature wear of the steel core is

a particular problem in asphalt, fresh concrete and other highly abrasive materials

- Segment loss may result from the steel core wearing to a knife edge just below the segment.



- Make sure that the blade specification has offset segments to assist removal of the slurry from the cut.
- Make sure that the blade is not cutting below the asphalt into the sub-base. Constant rubbing of the loose material causes premature wear and has no beneficial effect on the cut surface.
- Make sure that the water supply is correct as increased water flow will wash slurry from the contact area and reduce undercutting.

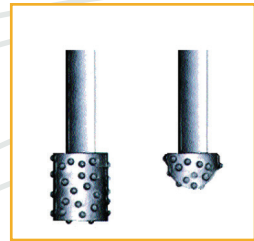
DIAMOND BLADES

GENERAL SAFETY

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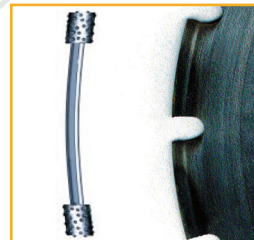
Rapid Wear

- Blade specification is causing the diamond to be overexposed. Use a blade with a harder bond system.
- If the blade wears out of round this will increase the wear normally due to bad bearing, worn shaft or the blade specification being too hard for the material.



- An inadequate water supply can cause damaged or blocked water tubes.
- Softening of the blade specification and low blade speed can be caused by loose drive belts.

Tension Loss



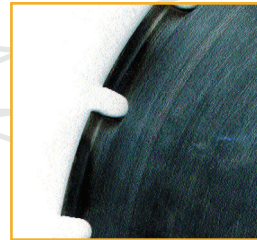
- Blade core overheated.
- For wet cut blades ensure sufficient water supply.
- Check machine is running at correct rpm, that the flanges are of the correct and same size and that there is no

wear on the machine bearing.

- The blade is deviating in the cut because it is too hard for the application.
- Ensure that the blade is not spinning on the spindle and that it is secure.
- Ensure that the blade is cutting in straight lines only.

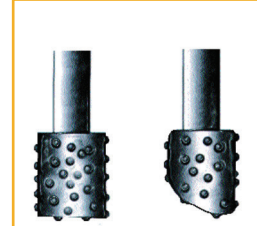
Over Heating

- Most common cause of blade failure. Overheating can cause many other problems such as core cracks, loss of tension, and segment loss.
- Overheating will usually cause black or bluish discolouration on the core.



- In wet cutting - inadequate water supply due to low water pressure, blocked or damaged water tubes or dust suppression systems being inadequate for wet cut blades.
- In dry cutting - excessive cutting pressure results in heat build up. Allow blade to do work. With hand held machines, use gentle reciprocating action and avoid cutting too deep in a single pass.

Uneven Segment Wear



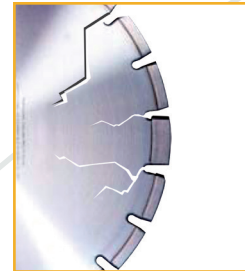
- Insufficient water.
- Excessive cutting pressure, caused by too high in-feed, results in the blade core bending and flexing. Metal fatigue will eventually cause the core to crack.
- Worn shafts, damaged machine bearings, or blade incorrectly mounted.

Segment Cracks



Core Cracks

- Blade too hard for the material being cut.
- Excessive cutting pressure, caused by too high in-feed results in the blade core bending and flexing.
- Metal fatigue will eventually cause core to crack.
- Worn shafts, damaged machine bearings, or blade incorrectly mounted.



DIAMOND BLADES

GENERAL SAFETY

As part of our ongoing commitment to customer safety, we hope you will find these guides a useful tool in ascertaining any problems you may come across from time to time when using Altrad Belle diamond blades.

Out of Round

- Blade shaft bearing may possibly be worn. Fit new bearing and ensure regular lubrication.
- Blade too hard for the material being cut, this will result in the blade hammering and wearing out of round.
- Choose a blade with a softer bond system.
- Machine spindle may have groove scored in it as result of previous blade slipping on spindle.



If a product will not cut because the blade has glazed over then open the blade up by running it through abrasive materials. If a blade is wearing prematurely then use a blade with a harder bond.

BREAKING

- HYDRAULIC POWER PACKS
- HYDRAULIC BREAKERS
- HYDRAULIC BREAKER STEELS

BUILDING A SUSTAINABLE FUTURE.



NO. 1 FOR BREAKING

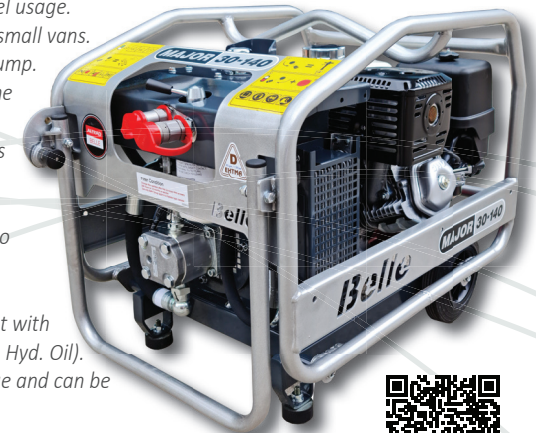
MAJOR 30/140

HYDRAULIC POWER PACK

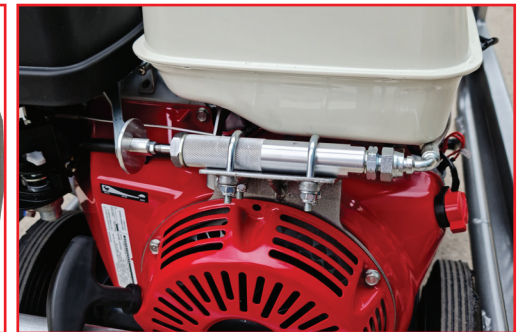
A portable and efficient on site power source, offering excellent power to weight ratio. Hydraulic power packs are 3 times more efficient than typical pneumatic systems and come with integrated power on-demand (POD) system.

FEATURES & BENEFITS

- A complete with integrated POD (Power On Demand) system which helps reduce carbon emissions and results in 50% less fuel usage.
- Small enough to be transported in estate cars and small vans.
- Low hydraulic oil cut out protects tools & system pump.
- Rigid and durable chassis and steel protection frame to prevent component damage.
- Routine maintenance couldn't be easier as access is gained by a quick and simple removal of the main protection frame.
- Hose storage position and lifting-eye integrated into protection frame with fitted wheels to aid on-site transportation.
- Supplied with removeable braided Siamese hose set with high quality non-drip face couplings (pre-filled with Hyd. Oil).
- Removable hose sets aid transportation and storage and can be changed quickly if damaged.
- Customer colour options available.
- Can be used with Altrad Belle Hydraulic Breakers, Roller Strikers and Hydraulic Submersible Pumps with a 30-litre flow rate.



Hose Storage Position & Lifting Eye Built Into Main Frame



Integrated Power On Demand System

Model	Part Number	Engine Power (Hp) - (kW)	Hose Length (m)	Pressure (bar)	Flow (l/min)	Oil Tank Capacity (Ltr)	Fuel Tank Capacity (Ltr)	Dimensions W x L x H (mm)	Weight (kg)
Major 30/140 - Honda GX390 Petrol	HPP21	11.8 - 8.7	6.75	140	30	6.2	6.5	555 x 740 x 620	72



NO. 1 FOR BREAKING

BULLDOG

COMPACT HYDRAULIC POWER PACK

An efficient, portable on site power source that is 12% more compact but with the same market leading performance. Comes with integrated power on-demand (POD) system and more powerful engine than the standard market equivalent.

FEATURES & BENEFITS

- 12% more compact but with the same market leading performance.
- Small enough to be transported in estate cars and small vans.
- Tilt-back protection frame allows for simple routine maintenance.
- Clip & Go' removeable, optional Tool Tray available to help store your Hydraulic Breaker and Breaker Steel.
- More powerful engine than standard market equivalent.
- Fully protected oil filler complete with retaining chain.
- Low engine & hydraulic oil cut out protects tools & system pump.
- Complete with integrated POD (Power On Demand) system which helps reduce carbon emissions & results in 50% less fuel usage.
- Recoil protection system.
- Rigid & durable steel chassis and protection frame to prevent component damage.
- Hose storage position and lifting-eye integrated into protection frame with fitted wheels to aid on-site transportation.
- Supplied with removeable braided Siamese hose set with high quality non-drip face couplings (pre-filled with Hydraulic Oil).
- Removable hose sets aid transportation and storage and can be changed quickly if damaged.
- Can be used with Altrad Belle BHB Hydraulic Breakers and Hydraulic Submersible Pumps.
- Customer colour options available.



Portable & Compact for Ease of Transportation



Folding, Auto-Lock Transport Handle



Lifting Eye and Fully Enclosed Filler Cap

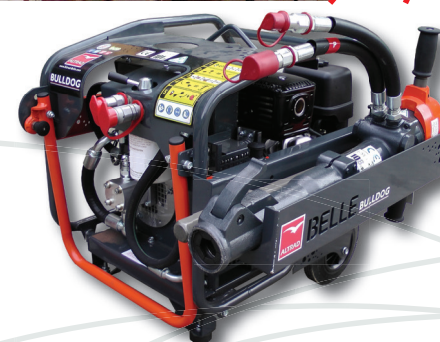


NO. 1 FOR BREAKING

BULLDOG

COMPACT HYDRAULIC POWER PACK

An efficient, portable on site power source that is 12% more compact but with the same market leading performance. Comes with integrated power on-demand (POD) system and more powerful engine than the standard market equivalent.



'Clip & Go' Removeable, Optional Tool Tray



Tilt-Back Protection Frame For Easy Service & Maintenance Access

Model	Part Number	Engine Power (Hp) - (kW)	Hose Length (m)	Pressure (bar)	Flow (l/min)	Oil Tank Capacity (Ltr)	Fuel Tank Capacity (Ltr)	Dimensions W x L x H (mm)	Weight (kg)
Bulldog - Honda GX270 Petrol	HPX01S	8.6 - 6.3	6.75	140	20	5.6	6.0	515 x 705 x 620	59.5
Bulldog - Honda GX270 Petrol c/w Tool Tray	HPX01TS	8.6 - 6.3	6.75	140	20	5.6	6.0	683 x 705 x 620	67.5
Bulldog - Loncin G270F Petrol	HPX02S	8.2 - 6.0	6.75	140	20	5.6	6.1	515 x 705 x 620	59.5
Bulldog - Loncin G270F Petrol c/w Tool Tray	HPX02TS	8.2 - 6.0	6.75	140	20	5.6	6.1	683 x 705 x 620	67.5

OPTIONS

Description	Part Number	Colour	Weight (kg)
Breaker Tool Tray (Bulldog)	OPH/13/D10	Grey / Orange	8.0

BHB RANGE

HYDRAULIC BREAKERS

Sturdy and reliable breakers designed for working together with Altrad Belle hydraulic power packs. The handheld breakers are available in many different sizes with varying impact energies and commonly used tool sizes.

FEATURES & BENEFITS

- Improved, lock-on, ergonomic handgrips.
- BHB 12** - A lightweight 20 litre flow Breaker for running off a 20-litre/min flow Power Pack.
- BHB 23** - A medium weight 20 litre flow Breaker for running off a 20-litre/min flow Power Pack.
- BHB 25** - A heavyweight 20 litre flow Breaker or running off a 20-litre/min flow Power Pack. Designed for optimum breaking performance.
- BHB 25X** & ***BHB 27X** - Heavyweight, low HAV Breakers for running off a 20-litre or 30-litre/min flow Power Pack. With 2 x Breakout Force of a standard Breaker.
- BHB 27** - A heavyweight Breaker that can be for running off a 20-litre or 30-litre/min flow Power Pack depending on flow rate.



Ideal for Patching work

Improved Ergonomic Handles

Model	Part Number	Max Pressure (bar)	Flow (l/min)	Blows Per (min)	Vibration (m/sec ²)	Breaking Force (joules)	Steel Size (mm)	Weight (kg)
BHB25X Road Breaker	BHB25XS	160	20	1600	**6.5	55	32 x 160	25
BHB27X Road Breaker	BHB27XS	160	*20 / 30	1300	8.2	85	32 x 160	30
BHB12 Road Breaker	BHB12S	160	20	2400	14.13	25	22 x 82	14
BHB23 Road Breaker	BHB23S	160	20	1600	11.97	65	25 x 108	23
BHB25 Road Breaker	BHB25S	160	20	1300	11.1	85	32 x 160	25
BHB27 Road Breaker	BHB27S	160	*20 / 30	1300	11.8	85	32 x 160	27

* NOTE:- Breaker is supplied with alternative return pipe restrictors. Please ensure correct restrictor is fitted for 20 (3.4mm Restrictor) or 30 (Open Restrictor) Litre supply. (Restrictor size is marked on the restrictor body) NO MARKINGS = OPEN RESTRICTOR
 **OPERC Independent testing Vibration levels tested to BS28927-10



BHB RANGE

HYDRAULIC BREAKER STEELS



Breaker Steels: 32 x 160mm (1 1/4" x 6 1/2") - To fit BHB25 BHB25X BHB27 Breakers

Description	Part Number	Type	Collar to Tip Length (mm)	Collar to Tip Length (inch)	Blade W x H (mm)	Blade W x H (inch)
Moil Point 32mm	912083	1	380	15	-	-
Large Moil Point 32mm	912084	1	455	18	-	-
Chisel 32mm	912293	2	380	15	-	-
Large Chisel 32mm	912294	2	455	18	-	-
Broad Chisel 32mm	912450	4	380	15	75 x 50	3 x 2
Large Broad Chisel 32mm	912451	4	455	18	75 x 50	3 x 2
Asphalt Cutter 32mm	912472	5	380	15	125 x 50	5 x 2
Large Asphalt Cutter 32mm	912454	5	330	13	125 x 150	5 x 6
Tarmac Cutter 32mm	912555	6	280	11	115 x 125	4 x 5
Digging Chisel 32mm	912456	7	355	14	75 x 230	3 x 9
Digging Spade 32mm	912656	8	355	14	125 x 20	5 x 8
Clay Spade 32mm	912668	9	380	15	140 x 230	5 x 9
Stem 32mm	912903	10	230	9	-	-
Rammer Pad 32mm	912906	11	-	-	180 dia	7 dia

Breaker Steels: 25 x 108mm (1" x 4 1/2") - To fit BHB23 Breaker

Moil Point 25mm	910043	1	380	15	-	-
Large Moil Point 25mm	910044	1	455	18	-	-
Chisel 25mm	910253	2	380	15	-	-
Large Chisel 25mm	910254	2	455	18	-	-
Broad Chisel 25mm	910430	4	380	15	75 x 50	3 x 2
Large Asphalt Cutter 25mm	910434	5	380	15	125 x 150	5 x 6
Tarmac Cutter 25mm	910435	6	305	12	115 x 125	4 x 5
Digging Chisel 25mm	910436	7	355	14	75 x 230	3 x 9
Digging Spade 25mm	910636	8	355	14	125 x 20	5 x 8
Clay Spade 25mm	910684	9	355	16	140 x 230	5 x 8
Stem 25mm	910911	10	200	8	-	-
Rammer Pad (25 & 22mm)	912905	11	-	-	125 dia	5 dia
Rail Clip Extractor	01248	-	370	14	55 x 100	2 x 4

Breaker Steels: 22 x 82mm (7/8" x 3 1/4") - To fit BHB12 Breaker

Moil Point 22mm	910023	1	380	15	-	-
Large Moil Point 22mm	910024	1	455	18	-	-
Chisel 22mm	910233	2	380	15	-	-
Large Chisel 22mm	910234	2	455	18	-	-
Broad Chisel 22mm	910420	4	380	15	75 x 50	3 x 2
Large Broad Chisel 22mm	910421	4	455	18	75 x 50	3 x 2
Large Asphalt Cutter 22mm	910424	5	380	15	125 x 150	5 x 6
Digging Chisel 22mm	910426	7	355	14	75 x 230	3 x 9
Clay Spade 22mm	910662	9	405	16	125 x 200	5 x 8
Stem 22mm	910910	10	200	8	-	-
Rammer Pad (25 & 22mm)	912905	11	-	-	125 dia	5 dia

MOVING

- 4 X 4 POWERED MINIDUMPERS
- MINIDUMPER ACCESSORIES
- 1-TONNE, HI-TIP DUMPERS

BUILDING A SUSTAINABLE FUTURE.



Altrad-Belle.com

NO. 1 FOR MOVING

BMD 300

4 X 4 MOTORISED MINIDUMPER

A heavy-duty minidumper, designed to transport construction and landscaping materials across rugged terrain with ease and safety. It is engineered to be tough, reliable and versatile to meet the demands of the professional user and rental industry.

FEATURES & BENEFITS

- 4x4 All Terrain Drive System provides excellent traction on all surfaces and excellent gradient climbing.
- Extra heavy-duty chassis and gearbox reinforcement to survive harsh site conditions and the rigours of the rental industry.
- Unique drive system enables ease of service and easy wheel changes to reduce down time.
- 4 forward travel speeds and 1 reverse for excellent control and high productivity.
- Large capacity tip up skip and 300kg payload for high productivity.
- At only 28" wide the MiniDumper will fit through a standard doorway.
- Faster and more flexible than a track-driven dumper.
- Excellent machine balance makes the MiniDumper easy and safe to manoeuvre even when fully loaded.
- Ideal for small spaces, its dimensions allow passage through doorways and in confined spaces.



Carrier wheel disengages for easy wheel changing



Designed to fit through a standard doorway

Model	Part Number	Engine Power (Hp) - (kW)	Machine Width (mm)	Machine Length (mm)	Machine length tipping (mm)	Machine Height (mm)	Machine Height tipping (mm)	Wheel base (mm)
BMD 300 MiniDumper - Honda GXV160 Petrol	BMD01	4.4 - 3.2	716	1588	1957	925	859	528
Max travel speed (fwd) (km/h)	Max travel speed (rev) (km/h)	Skip capacity level filled (ltr)	Skip capacity Heaped (ltr)	Max uphill Gradient (°)	Max downhill Gradient (°)	Max Payload (kg)	Machine weight (kg)	Noise level (dB(A))
6	2.6	113	134	20	20	300	155	101

BMD 300 MINIDUMPER

ACCESSORIES RANGE

The range of Altrad Belle minidumper accessories increase the versatility of the machine enabling it to carry awkward or oversized loads, operate on turf, tip into skips or tow other vehicles and machines.

FEATURES & BENEFITS

Flatbed Attachment

- Ideal for awkward loads, e.g. bricks, logs, turf.
- Maximum payload of 300kg.

Towing Hitch

- Ideal for moving trailers, caravans etc. around site.
- 1000kg Maximum towing weight on flat ground.

Snow Plough

- Easily attached to the front of the skip.
- The blade can be raised for maneuvering and angled to remove the snow in the desired direction.

Turf Tyres

- Ideal for landscaping projects & soft ground conditions.
- Wheel spacers and fittings supplied as standard.

Skip Loading Ramps

- Perfect for attaching to the side of a skip with adjustable legs for uneven ground.
- 600kg maximum payload.



Flatbed attachment ideal for carrying awkward items



Snow Plough ideal for removing snow from pathways



Towing-eye attachment capable of pulling 1000kg ideal for moving trailers, caravans etc.

BMD 300 MINIDUMPER

ACCESSORIES RANGE

The range of Altrad Belle minidumper accessories increase the versatility of the machine enabling it to carry awkward or oversized loads, operate on turf, tip into skips or tow other vehicles and machines.



Skip loading ramps ideal for larger projects



Ideal partner for mini diggers, cement mixers etc.



Can easily be loaded into a van

Model	Part Number	Machine Width (mm)	Machine Width (mm)	Machine Length (mm)	Machine length tipping (mm)	Machine Height (mm)	Machine Height tipping (mm)	Engine Power (Hp) - (kW)
BMD 300 MiniDumper - Honda GXV160 Petrol c/w Wide Tyres*	BMD01T	987	987	1588	1957	925	859	5.5 - 4.0
Max travel speed (fwd) (km/h)	Max travel speed (rev) (km/h)	Skip capacity level filled (ltr)	Skip capacity Heaped (ltr)	Max uphill Gradient (°)	Max downhill Gradient (°)	Max Payload (kg)	Machine weight (kg)	Noise level (dB(A))
6	2.6	113	134	20	20	300	155	101

* NOTE:- Machine only comes with Wide Tyres

OPTIONS

Description	Part Number	Description	Part Number
Flatbed attachment	OPD/01/D10	Towing Hitch ball and eye option	OPD/06/D10
Skip loading ramps (grey)	OPD/02/D10	Wide Tyres (set of 4)	OPD/05/D10
Towing Hitch ball option	OPD/04/D10	Snow Plough option	OPD/10/D10

DX 1000 HT

1-TONNE, HI-TIP DUMPER

The DX 1000HT is the NEW No1. 'Best in Class' 1-tonne hi-tip dumper. Designed to be owned by a rental company or professional operator. It sets new standards for safety, strength, operator comfort and convenience and productivity on site.

With a proven, reliable Yanmar 3TNV76, 3 cylinder, diesel engine - perfect for this application.



FEATURES & BENEFITS

Operator Comfort and Convenience

- Fuel level is visible while in the operator's seat, saving time & improving safety & down time.
- Increased leg room for improved operator comfort.
- USB phone charger point, allowing charging while the work is done.
- Leading brand, comfort seat compliant to latest standards EN ISO 7096 for this type of equipment. Reduces operator fatigue, improves operator experience.



Strength

- Robust, easy-clean skip with fully returned edges preventing dirt ingress / concrete accumulation, reducing down time and cleaning costs.
- Strengthened chassis rails to increase durability.
- High quality, shot-blast and 2-layer powder coated paint finish for the most demanding site conditions. Maximising resale value.
- Bushed & greased steering pivot cylinder, preventing wear on the main components, cost efficient for the owners.
- Steel belly pan protector prevents damage to hydraulic circuit.
- Front enclosure / infill plate reduces stone / mud ingress meaning less down time & cleaning required.
- Steering Ram - Hose guard cover plate to prevent damage.
- Hi-quality leading brand all-terrain tyres fitted with valve protect guard, to reduce down time on site and increase productivity.



High-quality, all-terrain tyres with valve protect guard & wheel nut indicators



Robust, easy-clean 1000kg capacity skip fully returned edges to prevent dirt ingress

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FEATURES & BENEFITS

Productivity

- The Altrad full 4 wheel drive hydraulic system gives increased traction on poor terrain and excessive mud. Better gradeability, increased productivity and less servicing.
- Reliable, Yanmar 3TNV76 Diesel engine - perfect for this application.
- Market leading fuel tank capacity, reduces amount of fill-ups and down time.
- Unique fuel level indicator window together with a low fuel level warning light allows for easy inspection and assist in ensuring rental & machine productivity high.
- Low hydraulic fluid level warning light reducing system damage and down time.
- Extensive use of hose clamp retainers to prevent pip fretting and rubbing, reducing hose failures and maintenance costs.
- Central Hydraulic hoses enables increased protection, reducing the risk of down time.
- Fuel and Hydraulic tank drain points reducing tank flushing time in the event of contamination or servicing.
- Fuel - water separator reducing engine damage and down time.
- Under footplate - stone guards preventing stone/mud ingress, so less down time & cleaning required.

Safety

- Tight turning circle allows better manoeuvrability on tight work sites, reducing shunting & increasing safety, productivity & efficiency.
- High viz access points & anti-slip foot-steps reduces slips, trips and falls when climbing on and off machine. Easily replaceable in case of an impact.
- Auto retracting seat belt prevents entanglement. Bright Orange for safety with increased visibility.
- Safe heavy duty, easy to deploy steering lock out bar, makes workshop and transport actives safer.
- "Check Point" visual wheel nut indicators make daily checks simpler to perform, reducing machine down time.
- Enclosed document box to retain machine safety documents reducing possibility of being damaged / misplaced.
- Lockable seat pan - gas strut c/w lock out reduces chance of head / trapping injuries.
- Anti-slip, hot-dipped galvanised floor plate for safety and long life.
- Hazard warning chevron's on rear of dumper for increased machine visibility on site to others.
- Priority / safety steering valve that gives priority to the steer function in the event of low hydraulic fluid pressure or flow, therefore maintain-highest levels of machine safety at all times.



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DX 1000HT 1-TONNE HI-TIP DUMPER

Part Number (c/w Amber Beacon)DX10HYSA
Part Number (c/w Amber & Green Beacon)....DX10HYSB

PERFORMANCE

Payload (kg).....1000
Unladen Weight (kg).....1363
Tipping TypeFront Tip - High
Turning Circle of Skip (mm).....2637
Turning Circle of Tyres (mm).....2524
Steering Angle (°).....39.7
Body Oscillation Angle (°).....15

CAPACITIES

Skip - Water (Ltr)280
Skip - Struck (Ltr)400
Skip - Heaped (Ltr)500
Fuel Tank (Ltr)35
Hydraulic Oil Tank (Ltr)18

ENGINE

Engine Model Yanmar 3TNV76
Type Diesel
No. of Cylinders3
Gross Power (Hp/kW).....24.3 / 17.9
Displacement (cc).....1116
Max. Torque (Nm).....66.4

HYDRAULIC SYSTEM

Pump TypeGear Pump
Flow Rate (l/min).....30
Operating Pressure (bar/PSI)140
Steering Sytem Hydraulic

TRANSMISSION / DRIVE

Transmission TypeHydrostatic Pump to 4 radial piston Hydraulic Motors
Tyre Size255 / 75 -15.3
Drive Hydrostatic
Max. Travel Speed (kph)12
(Unladen)
Max. Gradient 25% (4:1)

BRAKING SYSTEM

Working BrakeHydrostatic Dynamic Breaking
Parking BrakeFailsafe Automatic

ELECTRICAL SYSTEM

System Voltage (V).....12
Battery Capacity (Ah).....44
Alternator Output (A).....40

ENVIRONMENTAL

Sound Pressure (LpAd)84
Sound Power Level (LWAd)101
Noise Emission (to ISO 4871)

STANDARD EQUIPMENT

Folding ROPS Frame ✓
Reversing Alarm ✓
Flashing Orange Beacon ✓
Hourmeter ✓
Seat Belt (Hi-Viz Orange) ✓
Adjustable Seat ✓
Heavy Duty Articulation Lock ✓
Wide Tyres ✓



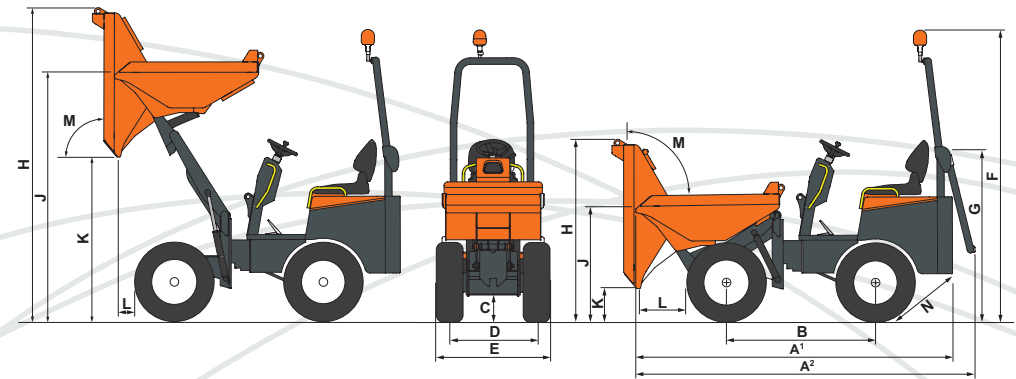
Good access to key features with self-locking gas strut and proven Yanmar 3TNV76 diesel engine.

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	Standard Wheels	cw Wheel Spacers
A ¹ - Overall Length	(mm) 3165	3165
A ² - Overall Length (ROPS folded)	(mm) 3330	3330
B - Wheel base	(mm) 1440	1440
C - Minimum ground clearance	(mm) 250	250
D - Track width	(mm) 850	950
E - Width over tyres	(mm) 1100	1200
F - Height to top of ROPS (raised, with/without beacons)	(mm) 2545 / 2800	2545 / 2800
G - Height to top of ROPS (folded)	(mm) 1630	1630
H - Dump Height (untipped/tipped)	(mm) 1820 / 2960	1820 / 2960
J - Height to front lip of dumper body (untipped, lowered/raised)	(mm) 1110 / 2270	1110 / 2270
K - Height to front lip of dumper body (tipped, lowered/raised)	(mm) 400 / 1540	400 / 1540
L - Discharge distance front (lowered/raised)	(mm) 520 / 380	520 / 380
M - Dumper body tip angle	(°) 81	81
N - Departure angle	(°) 38	38

DX1000 HT

OPTIONAL EQUIPMENT

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FEATURES & BENEFITS

Option Ready

- Green Beacon ready - fitted with seat belt sensor & main harness is ready to take Green Beacon option.
- Twin Beacon and work light approved ROPS structure.
- Fully loaded chassis harness - ready for options to be plugged in and used.
- Option ready console - ready for options to be plugged in and used.
- Customer colour options giving excellent brand awareness.



Worklights

- Available as a kit of 2 worklights or 4 worklights.
- Super bright 54W work light with 9 x 6W LED's, producing 4500 Lumens.
- Lightweight Aluminium Housing with stainless steel adjustable bracket.
- Protected to IP69K.
- Simple to fit / remove.



2 x & 4 x Work Light Options Available

Green Beacon

- Tough, leading brand quality 9W beacon with 40 LED's.
- Simple to fit / remove.
- Lockable under-canopy storage for both the Green & Orange Beacons.
- Flexible mounting to reduce damage.



Lockable Under-Canopy Beacon Storage

Tow Hitch

- Ideal for moving trailers, caravans etc. around site.
- 750kg maximum towing weight on flat ground (including the weight of the towed equipment).
- Combination hitch - 50mm Ball & Jaw/Pin.
- Adjustable height for correct towing position.
- Simple to fit / remove.



Tow Hitch Option

DX1000 HT

OPTIONAL EQUIPMENT

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With a proven, reliable Yanmar 3TNV76, 3 cylinder, diesel engine - perfect for this application.



FEATURES & BENEFITS

UK Road Kit

- Kit includes headlights, brake lights, front & rear facing indicators, number plate mount (c/w number plate light and the following console switches/displays):-
 - Side Lights Switch
 - Road Lights Switch
 - Indicators Switch
 - Hazard Lights Switch
 - Display Indicator
- Accepts 279mm x 203mm standard, rear facing number plate
- 60/55W Headlights are enclosed in a durable steel mesh cage and mounted on a robust bumper bar for added protection.
- Red, White & Amber reflectors for increased visibility in poor light conditions.
- Simple to fit / remove.
- Designed to comply with BS ISO 12509:2004



Head Lights & Indicators From Uk Road Kit Option

Wheel Spacers

- Increases the track width of the machine by 100mm giving added safety and stability in both static and dynamic conditions.
- Locking nuts for additional safety.
- Removeable for tight-access jobsites.
- Compatible with existing machines
- Corrosion resistant protective coating.
- Simple to fit / remove.



Wheel Spacer Option Adds 100mm To The Track Width Giving Added Safety & Stability

Description	Part Number	Description	Part Number
Work Lights x 2	OPD/20/DIO	UK Road Kit	OPD/25/DIO
Work Lights x 4	OPD/21/DIO	50mm Wheel Spacer Kit	OPD/28/DIO
Green Beacon	OPD/22/DIO	White Noise Back-Up Alarm	OPD/29/DIO
Tow Hitch	OPD/24/DIO		

GENERATORS

- OPEN SET GENERATORS
- 110V-ONLY CTE GENERATORS

BUILDING A SUSTAINABLE FUTURE.



NO. 1 FOR GENERATORS

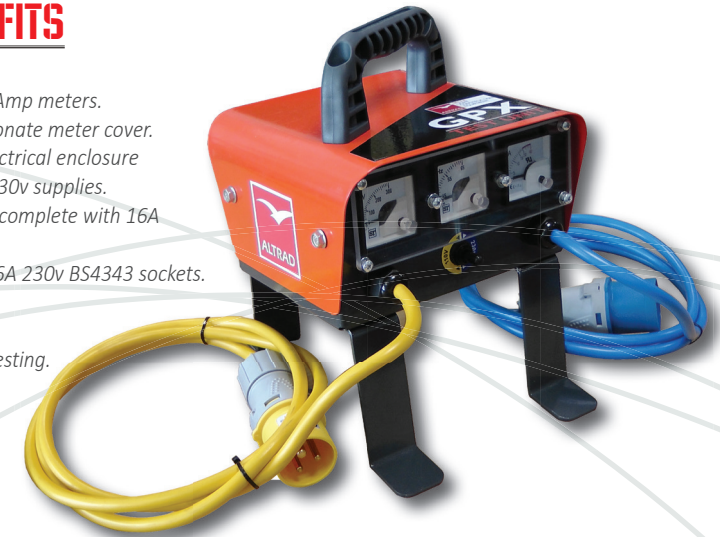
GPX GENERATOR

TEST UNIT

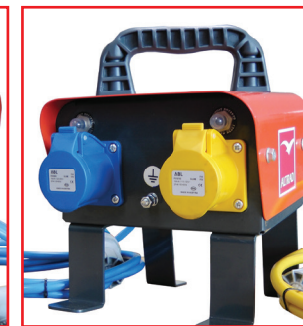
Built-to-last, heavy duty, portable dual voltage tester is an essential piece of health & safety testing equipment, designed to offer easy voltage, frequency and amp readings from a generator output. Ideal to test generator performance on and off load, making it perfect for on-site diagnostics.

FEATURES & BENEFITS

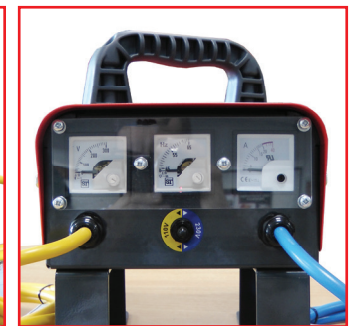
- A 110v & 230v testing ability.
- Voltage, Frequency (Hz) and Amp meters.
- Tough, replaceable, polycarbonate meter cover.
- Rental-proof, robust, steel electrical enclosure.
- System breakers for 110v & 230v supplies.
- Input: 2m 110v & 230v leads complete with 16A BS4343 plugs.
- Output: 1 x 16A 110v & 1 x 16A 230v BS4343 sockets.
- Ergonomic carry handle.
- Compact and lightweight.
- Simple, fast, safe generator testing.



Polycarbonate Meter Cover



1 x 16A 110v Socket & 1 x 16A 230V Socket Output



Voltage, Frequency & Amp Meters

Model	Part Number	Nominal Voltage (V)	Voltage Range (V)	Phase	Frequency (Hz)	Max Load Rating (kW)	No. of Sockets		Cable Length (m)	Dimensions W x L x H (mm)	Weight (kg)
							110v 16a	230v 16a			
GPX Test Unit	GTB01S	110 / 230	0 - 300	1	45 - 65	4.5	1	1	2	220 x 281 x 253	4.2



NO. 1 FOR GENERATORS

GPX RANGE

OPEN SET GENERATORS

The GPX range of petrol, open set generators are built to provide reliable power in the harshest conditions.

Engines and alternators are protected from physical damage and the electrics have full overload protection. Ideal for rental and hire applications.

FEATURES & BENEFITS

- Robust large diameter frame with built-in Engine / Alternator.
- Protection belly plate to aid use on soft ground (N/A to Wheeled version).
- Professional Honda engine with recoil start. Loncin engine also available on GPX 2700 & GPX 3400 models.
- Low engine oil cut-off.
- High quality, heavy-duty NSM Alternator.
- Patent Pending' stackable frame with single point lifting to reduce enviromental impact and minimize manual handling risk. Complete with securing pin for added safety (N/A to Wheeled version).
- Engine / Alternator side impact protection.
- GPX 5000 wheeled version available for safe and easy transporation.
- Durable screw-in sockets.
- Metal covered fuse box.
- Over-sized 4-point Anti-Vibration mounts.
- Rental-proof, robust, steel electrical enclosure.
- Selectable 110v or 230v (N/A to CTE machines).
- System breakers for 110v & 230v supplies.
- Specifically designed for hire and rental markets.
- Accessible service points.
- Customer colour options available.



Additional Features for the 110v-only CTE range

- Single voltage 110v-only models suitable for 110v sites.
- 110v (55v - 0 - 55v) CTE.
- Suitable for Tin 12 fusion welding.
- Dual pole system breakers with protective cover to increase safety and prolong life.
- Thermal socket protection (on larger capacity models).



GPX 5000
Wheeled Version

#LONCIN HONDA



NO. 1 FOR GENERATORS

GPX RANGE

OPEN SET GENERATORS

The GPX range of petrol, open set generators are built to provide reliable power in the harshest conditions.

Engines and alternators are protected from physical damage and the electrics have full overload protection. Ideal for rental and hire applications.



'Patent Pending' Stackable engine protection frame



Folding, lockable transport handle on Wheeled GPX 5000



Easily removeable 4-bolt frame for service access on GPX 5000

Model	Part Number	Engine Power @ 3000rpm (Hp) - (kW)	Rating @ 0.8 p/f (kVA)	PRP Rating (kW)	COP Rating (Continuous) (kW)	No.1 of Sockets			Fuel Tank (Ltrs)	Frequency (Hz)	Dimensions W x L x H (mm)	Weight (kg)
						110v 16a	230v 16a	110v 32a				
GPX 2700 - Honda GX200 Petrol	G2701S	3.0 - 2.2	2.7	2.2	2.0	1	1	-	3.1	50	432 x 618 x 515	46
GPX 2700 - Loncin G200F Petrol	G2702S	3.0 - 2.2	2.7	2.2	2.0	1	1	-	3.6	50	432 x 618 x 515	46
GPX 3400 - Honda GX200 Petrol	G3401S	3.0 - 2.2	3.4	2.7	2.5	1	1	1	3.1	50	432 x 618 x 515	47
GPX 3400 - Loncin G200F Petrol	G3402S	3.0 - 2.2	3.4	2.7	2.5	1	1	1	3.6	50	432 x 618 x 515	47
GPX 5000 - Honda GX270 Petrol	G5001S	5.4 - 4.0	5.0	4.0	3.6	2	1	1	5.6	50	512 x 728 x 595	64
GPX 5000 - Honda GX270 Petrol c/w Wheel Kit	G5001WS	5.4 - 4.0	5.0	4.0	3.6	2	1	1	5.6	50	778 x 661 x 552	79
GPX 2700 CTE - Honda GX200 Petrol	G2701CS	3.0 - 2.2	2.7	2.2	2.0	2	-	-	3.1	50	432 x 618 x 515	46
GPX 2700 CTE - Loncin G200F Petrol	G2702CS	3.0 - 2.2	2.7	2.2	2.0	2	-	-	3.6	50	432 x 618 x 515	46
GPX 3400 CTE - Honda GX200 Petrol	G3401CS	3.0 - 2.2	3.4	2.7	2.5	2	-	1	3.1	50	432 x 618 x 515	47
GPX 3400 CTE - Loncin G200F Petrol	G3402CS	3.0 - 2.2	3.4	2.7	2.5	2	-	1	3.6	50	432 x 618 x 515	47
GPX 5000 CTE - Honda GX270 Petrol	G5001CS	5.4 - 4.0	5.0	4.0	3.6	2	-	1	5.6	50	512 x 728 x 595	64
GPX 5000 CTE - Honda GX270 Petrol c/w Wheel Kit	G5001CWS	5.4 - 4.0	5.0	4.0	3.6	2	-	1	5.6	50	778 x 661 x 552	79



NO. 1 FOR GENERATORS

GPX GENERATORS

USAGE CHART

The below charts are a guide to what Altrad Belle products can be powered by each of the Generators in the Altrad Belle 'GPX' range of Generators.

For more information please contact Altrad Belle on 01298 84606



NO. 1 FOR GENERATORS

GPX GENERATORS

USAGE CHART

The below charts are a guide to what Altrad Belle products can be powered by each of the Generators in the Altrad Belle 'GPX' range of Generators.

For more information please contact Altrad Belle on 01298 84606

					GPX 2700 Generator	GPX 3400 Generator	GPX 5000 Generator
	Maximum KVA (@ 0.8 P/F)				2.7	3.4	5
0.8 Power Factor	Continuous kVA Rating				2.2	2.7	4
*10% Buffer Factor	Maximum Watts				2200	2700	4000
**Brush Type Motor	Maximum KW				2.2	2.7	4.0

Application	Product	Watts	*Start-up Required	KW	GPX 2700 Generator	GPX 3400 Generator	GPX 5000 Generator
Mixing	Promix 1200 - 110 & 230v **	1200	1320	1.3	Yes	Yes	Yes
Mixing	Promix 1600 - 110 & 230v **	1600	1760	1.8	Yes	Yes	Yes
Mixing	# Tubmix 50 - 110 & 230v	1200	3960	4.0	No	No	Yes
Mixing	# Mastermix - 110 230v	450	1485	1.5	Yes	Yes	Yes
Mixing	Minimix 130 - 230v	450	1485	1.5	Yes	Yes	Yes
Mixing	Minimix 140 - 230v	450	1485	1.5	Yes	Yes	Yes
Mixing	Minimix 150 - 230v	550	1815	1.8	Yes	Yes	Yes
Mixing	Minimix 150 - 110v	550	1815	1.8	Yes	Yes	Yes
Mixing	Altrad Atika Compact 100 - 110v	2000	6600	6.6	No	No	No
Mixing	Maxi 140 - 110 & 230v	550	1815	1.8	Yes	Yes	Yes
Mixing	Premier XT - 110 & 230v	1500	4950	5.0	No	No	No
Mixing	AT350 Road Tow Mixer - 230v	1500	4950	5.0	No	No	No
Compacting	PCEL 400E Electric Plate - 110v	600	1980	2.0	Yes	Yes	Yes
Compacting	PCEL 400E Electric Plate - 230v	550	1815	1.8	Yes	Yes	Yes
Compacting	PCLX 12/40E Electric Plate - 110v	1500	4950	5.0	No	No	No
Compacting	PCLX 12/40E Electric Plate - 230v	1500	4950	5.0	No	No	No
Compacting	PCLX 16/45E Electric Plate - 110v	2200	7260	7.3	No	No	No
Compacting	PCLX 16/50E Electric Plate - 110v	2200	7260	7.3	No	No	No
Concreting	Megavib+ - 110v	1600	2500	2.5	No	Yes	Yes
Concreting	Megavib+ - 230v	2000	2200	2.2	Yes	Yes	Yes
Concreting	Vibratech Poker - 110v	1500	1650	1.7	Yes	Yes	Yes
Concreting	Vibratech Poker - 230v	1500	1650	1.7	No	Yes	Yes

= This product is no longer available to purchase.

					GPX 2700 Generator	GPX 3400 Generator	GPX 5000 Generator
	Maximum KVA (@ 0.8 P/F)				2.7	3.4	5
0.8 Power Factor	Continuous kVA Rating				2.2	2.7	4
*10% Buffer Factor	Maximum Watts				2200	2700	4000
**Brush Type Motor	Maximum KW				2.2	2.7	4.0

Application	Product	Watts	*Start-up Required	KW	GPX 2700 Generator	GPX 3400 Generator	GPX 5000 Generator
Cutting	# Mintile 180 - 110v	550	1815	1.8	Yes	Yes	Yes
Cutting	# Mintile 180 - 110v	550	1815	1.8	Yes	Yes	Yes
Cutting	# Mintile 200 - 110v	550	1815	1.8	Yes	Yes	Yes
Cutting	# Mintile 200 - 230v	550	1815	1.8	Yes	Yes	Yes
Cutting	# Mintile 230 - 110v	1200	3960	4.0	No	No	No
Cutting	# Mintile 230 - 230v	1200	3960	4.0	No	No	No
Cutting	# Magik 180 - 110v	550	1815	1.8	Yes	Yes	Yes
Cutting	# Magik 180 - 230v	550	1815	1.8	Yes	Yes	Yes
Cutting	# Maxi Tile 260 - 110v	650	2145	2.1	Yes	Yes	Yes
Cutting	# MaxiTile 260 - 230v	650	2145	2.1	Yes	Yes	Yes
Cutting	BC350 Brick Saw - 110v	2200	7260	7.3	No	No	No
Cutting	BC350 Brick Saw - 230v	2200	7260	7.3	No	No	No
Cutting	MS500 Bench Saw - 110v	2500	8250	8.3	No	No	No
Cutting	MS500 Bench Saw - 230v	2500	8250	8.3	No	No	No
Cutting	# Altrad Atika BTH 400 Saw - 230v	3000	9900	9.9	No	No	No
Cutting	# Altrad Atika BHT 315 Bench Saw - 230v	3000	9900	9.9	No	No	No
Cutting	# Altrad Atika PTK 250S Saw - 230v	1800	5940	5.9	No	No	No
Cutting	# Altrad Atika ST200 Tilesaw - 230v	800	2640	2.6	No	Yes	Yes
Cutting	# Altrad Atika BWS 400 Log Saw - 230v	1800	5940	5.9	No	No	No
Cutting	# Altrad Atika BWS 500 Log Saw - 230v	3000	9900	9.9	No	No	No
Cutting	# Altrad Atika ASP 4N Log Splitter - 230v	1500	4950	5.0	No	No	No
Cutting	# Altrad Atika ASP 6L Log Splitter - 230v	2800	9240	9.2	No	No	No

= This product is no longer available to purchase.



BELLE
LIGHT
CONSTRUCTION
EQUIPMENT



Altrad-Belle.com

PRESSURE WASHERS

- HIGH PRESSURE, COLD WATER PRESSURE WASHERS
- BOWSER PRESSURE WASHERS

BUILDING A SUSTAINABLE FUTURE.



NO. 1 FOR PRESSURE WASHERS

PWX RANGE

HIGH-PRESSURE, COLD WATER WASHERS

Heavy-duty, robust, PWX professional range of cold water, High-pressure, high-flow pressure washers. Designed specifically for demanding rental and hire applications. Available with Honda petrol or Yanmar diesel engine and all models have an optional hose reel for simple, hassle-free hose storage.



FEATURES & BENEFITS

- Robust, compact full Engine &
- Professional Honda petrol, with recoil start.
- Detergent / chemical feed-line
- Single point lift to minimize manual
- Folding and lockable transport handle.
- Puncture-proof integrated wheels.
- Accessible service points.
- Inlet-line strainer for added pump protection.
- Low engine oil cut-off.
- High quality, heavy-duty triple piston pump.
- Professional two-wire, 10m braided hose, complete with quick-screw adapters and swivel couplings.
- Thermal pump protection.
- Lance holder integrated into protection frame.
- Lance comes complete with safety trigger lock.
- Specifically designed for hire and rental markets.
- Customer colour options available.
- Optional hose reel available.

Pump protection frame complete with hose storage facility as standard. Loncin petrol and Electric Start Yanmar Diesel engine options

complete with strainer filter. handling risk.



Single Point Lift



Folding, lockable transport handle

NO. 1 FOR PRESSURE WASHERS

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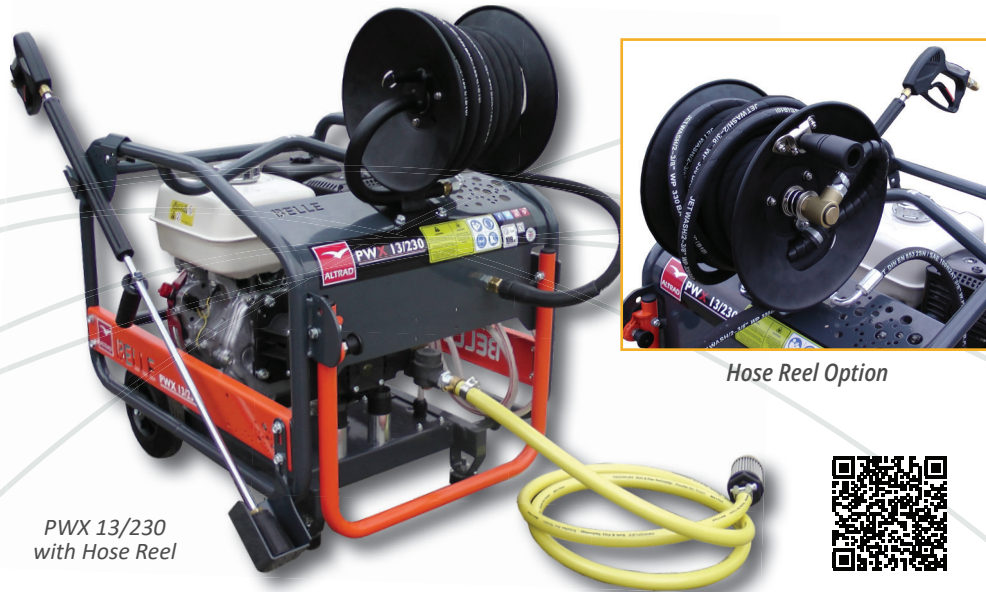


NO. 1 FOR PRESSURE WASHERS

PWX RANGE

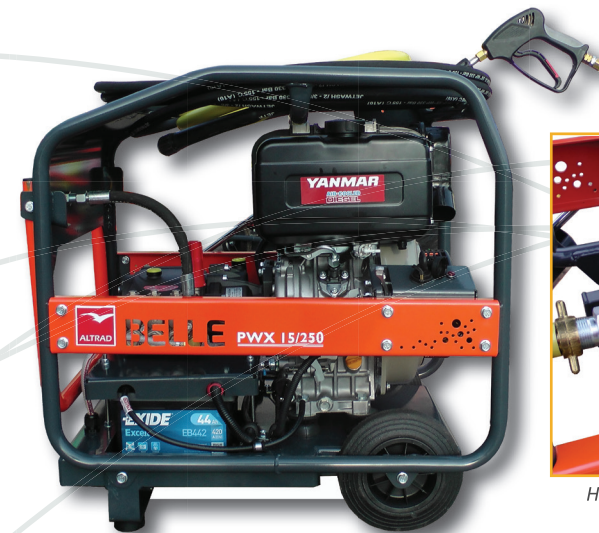
HIGH-PRESSURE, COLD WATER WASHERS

Heavy-duty, robust, PWX professional range of cold water, High-pressure, high-flow pressure washers. Designed specifically for demanding rental and hire applications. Available with Honda petrol or Yanmar diesel engine and all models have an optional hose reel for simple, hassle-free hose storage.



PWX 13/230
with Hose Reel

Hose Reel Option



High quality triple-piston pump with thermal protection and inlet strainer



Durable engine protection frame with built-in hose storage position



Yanmar L100 Diesel engine option with recoil and electric start

Model	Part Number	Engine Power (Hp-kW)	Engine RPM	Electric Start Engine	Water Flow (lpm)	Max. Water Pressure (bar-psi)	Fuel Tank Capacity (Litres)	Gearbox Driven Pump	*Dimensions W x L x H (mm)	**Weight (kg)
PWX 08/180 - Honda GX200 Petrol	P08180IS	5.8 - 4.3	3400	×	8	180-2600	3.1	✓	583 x 700 x 612	57
PWX 13/230 - Honda GX270 Petrol	P13230IS	8.6 - 6.3	3400	×	13	230-3300	5.3	✓	624 x 778 x 618	71
PWX 13/230 - Loncin G270F Petrol	P132302S	8.2 - 6.0	3400	×	13	230-3300	6.1	✓	624 x 778 x 618	71
PWX 15/250 - Honda GX390 Petrol	P15250IS	11.8 - 8.7	3400	×	15	250-3600	6.1	✓	624 x 778 x 732	96
PWX 15/250D - Yanmar L100 Diesel	P15250IDS	8.0 - 6.0	3400	✓	15	250-3600	5.4	✓	624 x 778 x 732	136
PWX 08/180 - Honda GX200 Petrol c/w Hose Reel	P08180IRS	5.8 - 4.3	3400	×	8	180-2600	3.1	✓	583 x 700 x 931	57
PWX 13/230 - Honda GX270 Petrol c/w Hose Reel	P13230IRS	8.6 - 6.3	3400	×	13	230-3300	5.3	✓	624 x 778 x 903	71
PWX 13/230 - Loncin G270F Petrol c/w Hose Reel	P132302RS	8.2 - 6.0	3400	×	13	230-3300	6.1	✓	624 x 778 x 903	71
PWX 15/250 - Honda GX390 Petrol c/w Hose Reel	P15250IRS	11.8 - 8.7	3400	×	15	250-3600	6.1	✓	624 x 778 x 1023	96
PWX 15/250D - Yanmar L100 Diesel c/w Hose Reel	P15250IDRS	8.0 - 6.0	3400	✓	15	250-3600	5.4	✓	624 x 778 x 1023	136

*Dimensions are without lance in the holster.

**Weight includes Lance and Hoses.



NO. 1 FOR PRESSURE WASHERS

BWX 15/250

BOWSER, PRESSURE WASHER

Heavy-duty towable pressure washer comes with a 1125 litre water tank coupled to a 8.9hp Yanmar electric-start diesel engine. With robust hot dipped galvanised steel chassis and is european whole vehicle type approved.



NO. 1 FOR PRESSURE WASHERS

BWX 15/250

BOWSER, PRESSURE WASHER

The washers design makes it well suited for remote and harder to reach areas. The HDPE water tank also includes an internal baffle to prevent water surges whilst the machine is being towed. Ideal for the rental market!

FEATURES & BENEFITS

Bowser

- Robust T-Frame chassis fully Hot dipped galvanised, European whole Vehicle Type approved.
- 1125ltr / 250gal durable Polyethylene tank, with generous 550mm hinged lockable cover. Internal baffle and filler strainer as standard.
- 2 x drain taps to allow drainage of the Pressure Washer Pump or Pump and Tank. Allows for safe transportation and prevents frost damage.
- 2 x 175R13 8ply tyres c/w moulded mudguards.
- Knott-Avonride 200kg auto reverse braked coupling, fitted with either 40mm towing eye or 50mm ball option.
- Break-away cable.
- Lance holder integrated into the trailer complete with hose storage hooks.
- Side / front reflectors, lighting equipment complete with 13-pin plug & 7-pin adaptor.
- Telescopic jockey Wheel / Jack.
- Forklift points for safe on-site transportation.
- LED Lightboard option available complete with 13-pin plug and 7-pin adaptor.
- High capacity 25 litre Anti-freeze tank option available.
- Gravity-fed spray bar option for on-site dust suppression.
- Customer colour options available (Tank Lid).



Forklift points for safe on-site transportation



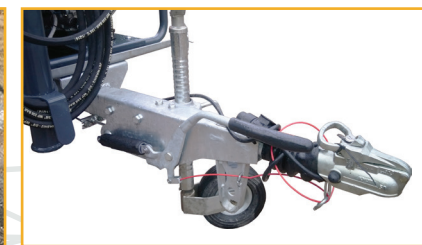
Integrated Lighting Equipment complete With 13 Pin Plug and 7 Pin Adaptors

Pressure Washer

- Robust, compact full Engine & Pump protection frame with accessible service points.
- Professional Yanmar diesel engine with recoil & electric start as standard
- Accessible service points.
- Detergent / chemical feed- line complete with strainer filter.
- Inlet-line strainer for added pump protection.
- Anti-Theft Bolts securing the Pressure Washer to the chassis.
- Ignition warning system.
- High quality, heavy-duty triple piston pump.
- Professional 2-wire, 10m braided hoses, with quick-screw adaptors & swivel couplings.
- Thermal pump protection.
- Lance comes complete with safety trigger lock.
- Specifically designed for hire and rental markets
- Customer colour options available (Side Plates & Battery Cover).



Gravity-fed spray bar option for dust suppression



50mm Ball Hitch Version



25 litre Anti-Freeze tank option



Anti-Theft Bolts Securing The Pressure Washer To The Chassis



Model	Part Number c/w 40mm Ring Eye	Part Number c/w 50mm Ball Hitch	Engine Power (Hp) - (kW)	Tyre Size (mm)	Tyre Pressure (PSI - bar)	Hose Length (m)	Water Flow (lpm)	Max. Water Pressure (PSI - bar)	Water Tank Capacity (Ltr)
BWX15250IDS	BWX15250IDS	BWX15250IDSBH	8.0 - 6.0	175 x 13 - 8	60 - 4.13	10	15	3600 - 250	1125
BWX 15/250 - Yanmar L100	Fuel Tank Capacity (Ltr)	Width (mm)	Length (mm)	Overall Height (mm)	Tank Height (mm)	Towing Height (mm)	Unladen Weight (kg)	Max. Laden Weight (kg)	
	5.4	1550	3454	1680	1480	420	460	1500	

OPTIONS

Description	Part Number	Description	Part Number
Pressure Washer Unit (Yanmar L100 Diesel E/S) c/w Lance & Securing Bolts	BWX15250IDU	Anti-Freeze Tank Kit	OPPW/05/DIO
Pressure Washer Unit Securing Bolts Kit	995/03700	10m Hose Reel Kit - Orange	OPPW/06S/DIO
Gravity-Fed Spray Bar Kit	OPPW/04/DIO		



BELLE
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CONSTRUCTION
EQUIPMENT



Altrad-Belle.com

WHEELBARROWS

- CONSTRUCTION
- HOME & GARDEN
- EQUESTRIAN
- WHEELBARROW ACCESSORIES



BUILDING A SUSTAINABLE FUTURE

NO. 1 FOR WHEELBARROWS

BELLE WARRIOR CONSTRUCTION WHEELBARROW

This wheelbarrow is a must for professional builders and ideal for use with the Altrad Belle Minimix 150 cement mixer.

Suitable for the heaviest work. The 100ltr tray is made of HDPE plastic and therefore very durable. Tray comes with a 1 year warranty!

FEATURES & BENEFITS

- Indestructible, non stick, easy to clean HDPE Tray.
- Low noise loading of material. Ideal for urban use.
- Extra wide profile 4-PLY tyre offers better use in sandy conditions.
- Extra strong wheel is fitted with a needle bearing for enhanced performance.
- Deep treaded tyre with inner tube alleviates possibility of punctures.
- Stronger and larger wheel plate is adjustable for optimum balance.
- Flat front tube for vertical storage.
- Additional wear strip for extra endurance.
- Heavy duty reinforced electro plated frame.
- Ergonomically designed.
- 'Never Leak Again' foam filled tyre available.
- Tray comes with a 1 YEAR WARRANTY!

Flex Pro Wheels Option

- 100% puncture-free.
- Shock absorption comparable to pneumatics.
- Load capacity comparable to pneumatics.
- No downtime due to punctures.
- Maintenance free.
- Lower operational cost.
- Long-lasting – up to four times the endurance of pneumatics.
- Lightweight solid tyres – considerably lighter than conventional solid tyres.



Ideal for use with a Minimix 150 Cement Mixer

Model	Part Number	Tray Capacity (Ltr)	Tray Type	Assembly	Tray Colour	Dimensions W x L x H (mm)	Weight (Kg)
Belle Warrior	02204	100	HDPE	Assembled	Orange	600 x 1450 x 675	17
Belle Warrior c/w Flex Pro Tyre	02214WB	100	HDPE	Assembled	Orange	600 x 1450 x 675	17

OPTIONS

Description	Part Number
Puncture-Proof Flex Pro Tyre (Black Tyre & Orange Rim)	80108

The Warrior is available in the following quantities:-

- Single assembled
- Pallet 4 assembled
- Pallet 8 assembled
- Pallet 10 disassembled
- Pallet 30 disassembled

ALTRAD FORT COSMO RANGE

HOME, GARDEN & EQUINE BARROWS

A lightweight barrow for home & garden and equine usage. Able to carry leaves, grass, sand, hay, straw, compost, soil and other light materials.

Available in a range of 7 colours.

FEATURES & BENEFITS

- Simple to clean 90ltr tray.
- One-piece steel tube frame offers strength and durability. Tube is 30mm Diameter, 1.5mm thick.
- Ergonomic design with ideal weight distribution for balance and stability.
- 2 easy to change wheels locations to give even better balance.
- All rims fitted with a specially designed double sealed Roller Bearing.
- Bordeaux, Light Green, Dark Green, Dark Blue, Lavender, Pink & Lime Green trays available
- Can be used with 'Puncture-Proof' tyres (See Page 141).

The Cosmo is available in the following quantities:-

- Pallet 16 disassembled
- Mixed Colour Pallet 16 disassembled
- Pallet 47 disassembled



Cosmo Scuro



Cosmo Blue

Cosmo Pink

Cosmo Lavender

Cosmo Lime

Model	Part Number	Tray Capacity (Ltr)	Weight (Kg)	Tray Type	Assembly	Tray Colour
Cosmo Blue	05135	90	10.2	Polypropylene	Disassembled	Blue
Cosmo Lavender	05137	90	10.2	Polypropylene	Disassembled	Lavender
Cosmo Pink	05136	90	10.2	Polypropylene	Disassembled	Pink
Cosmo Lime	05178	90	10.2	Polypropylene	Disassembled	Lime
Cosmo Chianti	05103	90	10.2	Polypropylene	Disassembled	Chianti
Cosmo Chiaro	05102	90	10.2	Polypropylene	Disassembled	Light Green
Cosmo Scuro	05108	90	10.2	Polypropylene	Disassembled	Dark Green
Mixed Colour Pallet	05230-16	Contains 4 x Blue, 4 x Lavender, 4 x Pink & 4 x Lime Wheelbarrows				

ALTRAD FORT RANCHER TK-100

HOME AND GARDEN WHEELBARROWS

Heavy-duty barrow for home & garden usage. Good for any type of chore in the garden and around the home.

Can carry heavy building materials, stones, tiles etc. and is very easy and light to use.

FEATURES & BENEFITS

- One-piece steel tube frame offers strength and durability. Tube is 30mm Diameter, 1.5mm thick.
- Ergonomic design with ideal weight distribution for balance and stability.
- 2 easy to change wheel locations to give even better balance.
- Polypropylene 100ltr Dark Green Tray.
- Simple to clean.
- Can be used with Fort Flex 'Puncture-Proof' tyres. (See page 141)

The Rancher TK-100 is available in the following quantities:-

- Pallet 16 disassembled
- Pallet 47 disassembled



2 wheels locations for better balance.



Can be used with the Fort Flex 'Puncture-Proof' tyres.

Model	Part Number	Tray Capacity (Ltr)	Weight (Kg)	Tray Type	Assembly	Tray Colour
Rancher TK-100	01117	100	11.9	Polypropylene	Assembled	Dark Green

ALTRAD LIMEX RANGE

HOME & GARDEN AND CONSTRUCTION BARROWS

Range of strong, durable wheelbarrows for home & garden and construction usage. Galvanised trays with varying capacities and colours to suit all your requirements.

FEATURES & BENEFITS

Limex Range

- Bearings for the wheelbarrows are made from polypropylene.
- Wheelbarrow handles are made from elastomer.
- Screws and connection elements are galvanized and harmonized with DIN standards.
- Axle of the wheelbarrow: light pulled bar, rolled thread, delivered on wheel or in montage set.
- Can be used with Flex Lite 'Puncture-Proof' tyres.

Flex Lite Wheels

- 100% puncture-free.
- Shock absorption comparable to pneumatics.
- Load capacity comparable to pneumatics.
- Lightweight solid tyres – considerably lighter than conventional solid tyres.
- Efficiency – no downtime due to punctures.
- Long-lasting – up to four times the endurance of pneumatics.
- Maintenance free - lower operational cost.

The Limex Range is available in the following quantities

- Pallet 8 assembled.
- Pallet 30 disassembled.
- Pallet 60 disassembled.



Standard 100
c/w Standard Wheel



Standard 85
c/w Flex Lite Wheel

Model	Part Number	Tray Capacity (Ltr)	Weight (Kg)	Tray Type	Tray Thickness (mm)	Tray Colour	Frame Colour
Standard 85 c/w Standard Wheel	100001	85	11.6	Galvanised Steel	0.8	Silver	Dark Green
Standard 85 c/w Flex Lite Wheel	100122	85	11.6	Galvanised Steel	0.8	Silver	Dark Green
Standard 100 c/w Standard Wheel	100151	100	11.9	Galvanised Steel	0.8	Silver	Dark Green
Standard 100 c/w Flex Lite Wheel	100132	100	11.9	Galvanised Steel	0.8	Silver	Dark Green
Flex Lite Puncture Proof Wheel (Black-Grey)	80086	N/A	N/A	N/A	N/A	N/A	N/A

WHEELBARROW

ACCESSORIES RANGE

A selection of accessories to accompany the wheelbarrows within the Altrad Belle range.

Includes a selection of puncture-proof tyres and inner tubes.

FEATURES & BENEFITS

Altrad Fort I-Core - Puncture-Proof Tyre

- "Intelligent Core" system ensures High flexibility
- Improved shock-absorption compared to pneumatic solutions, which reduce unwanted bounce-effect
- Enclosed wheel and hub construction to prevent dirt ingress and contamination - Easy cleaning
- 100% recyclable

Altrad Fort Flex Lite - Puncture-Proof Tyre

- Ideal for DIY markets.
- Simple, light and affordable, with good durability
- Plain bearings
- Up to 150kg
- 100% compliant with REACH

Altrad Fort RT Flex Pro - Puncture-Proof Tyre

- Durable Professional / Semi professional Tyre
- Standard Rim of FORT with needle bearings
- Up to 300kg
- 100% compliant with REACH

Altrad Fort 2ply Tyre

- Universal 2ply Tyre - 400mm x 100mm

Altrad Fort Inner Tube

- Universal Inner Tube - 400mm x 100mm



Altrad Fort
I-Core



Altrad Fort
Flex Lite



Altrad Fort
Flex Pro

Model	Part Number	Model	Part Number	Model	Part Number
FORT I-Core (Yellow-Black)	80094	FORT Flex Pro (Yellow-Black)	80092	FORT 2ply Tyre	13020
FORT I-Core (Black-Grey)	80095	FORT Flex Pro (Black-Orange)	80108	FORT Inner Tube	13010
FORT Flex Lite (Yellow-Black)	80091				



Altrad-Belle.com



BELLE
LIGHT
CONSTRUCTION
EQUIPMENT

Sheen, Nr. Buxton, Derbyshire

SK17 0EU, GB

Tel. +44 (0)1298 84606

Fax. +44 (0)1298 84722

Email: sales@altrad-belle.com

