

Compactors

Product Specification Sheets

for

EWPR101 - Bin Press

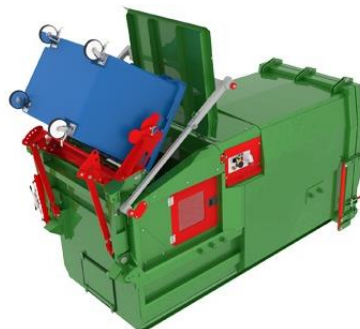
EWPR129 - Rotary Compactor

EWPR100 – Static Compactor

EWPR100-A – Static Compactor

EWPR102 – Portable Compactor

EWPR102-A – Portable Compactor



WASTE - EQUIPMENT SERVICES



COMPACTORS

Introduction:

It is an unfortunate fact that not all waste is recyclable and that in most businesses or organisations, there will be an element of general waste which is most likely to end up in landfill sites.

The obvious aim of any ethical and environmentally aware business is to reduce the impact of its general waste to a minimum. This is done initially with careful and thorough sorting and separation of recyclables and secondly, by reducing the overall volume of the remaining general waste to an absolute minimum.

By reducing the overall volume, not only does it reduce the number of general waste collections (thus directly contributing to fewer vehicular movements on and off site), but it also reduces the amount of valuable space taken up in landfill sites. Volume reduction of general waste is generally performed by using mechanical compaction.

Waste compactors come in various forms and with numerous options, the choice of which compactor is right for you will generally be dictated by the overall volume of general waste produced on a weekly or monthly basis and the restrictions imposed by your own individual site. In general terms, the more space available on site for dealing with general waste, the more the available choices.

Waste Equipment Services provide a range of compactors individually tailored to your needs and particular application, whether compact stand alone units, static or portable, with or without bin lifts or indeed fully custom, we will have the solution to tackle your compaction needs.

Advantages of Compactors:

- ✓ Large reductions in general waste volume.
- ✓ Typically up to 80% volume reduction.
- ✓ Savings in handling time.
- ✓ Savings in labour handling costs.
- ✓ Savings in carrier costs (fewer GW collections).
- ✓ Reduced vehicle movements on and off site.
- ✓ Generally less GW storage space required.
- ✓ Cleaner, tidier and safer site.
- ✓ Reduced impact on landfill sites.
- ✓ Reduction in company carbon footprint.
- ✓ Simple, easy & quick machine operations.
- ✓ Compact solutions for small waste volumes.



Waste Equipment Services would be pleased to visit your site for a full assessment of your compactor needs by looking at site logistics & waste volumes and advise which compactor solution is best suited to your individual requirements

DIRECT PURCHASE or FLEXIBLE RENTAL AGREEMENT

Contact us to discuss your individual requirements

Telephone: 0330 223 0895 E-Mail: hello@waste-equip.co.uk

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COMPACTORS

Introduction:

Types of Compaction Machinery:

Lower Waste Volume Stand Alone Units:

For sites with a low volume waste streams or restrictions in space, the need for waste compaction is still there and can be handled equally as well with stand alone units such as the **EWPR101 Bin Press/Compactor** (which is available to suit a wide range of bin sizes) or the **EWPR129 Rotary Compactor**. Both of these units are exceptionally capable and will contribute significantly to reducing waste volume, reducing bin numbers, reducing carrier collections and bringing savings in labour, time and money.



Static Compactors:

Sometimes referred to as stationary or fixed compactors, static compactors come in two distinct parts. The compactor chassis, which is installed and bolted down to the ground, and the container bin which is firmly clamped onto the chassis by means of side mounted rigging screw clamp and which is removed when required for waste material disposal. The chassis contains a hydraulically powered sliding head which pushes and compresses the waste material into the container bin. When full, the container bin is separated from the chassis and collected by the waste carrier for transport to landfill or increasingly, for further sorting before landfill disposal.



Portable Compactors:

In general, portable compactors work on a very similar basis to the static compactor except that the compaction unit and waste container are integral and remain as one unit. There are generally two distinct types: Chain Lift (Skip Lift) & Hook Lift (Roll On/Roll Off). Each have their advantages and disadvantages however the Chain lift units tend to be smaller and often only take up the space of a average car parking space. Both types will have various options such as bin lifts etc. When full the carrier will generally collect the complete unit, take it for emptying and return it for further use.



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BIN PRESS – Product Code: EWPR101

The **EWPR101 BIN PRESS** is a compact solution which enables it to cater for small and medium volume users and sites with limited space availability or specific budgetary requirements.

This high quality Bin Press has been designed for you, the end user, they are simple to use and very efficient, it is suitable for both indoor or outdoor use.

Waste volume and waste disposal costs are typically reduced by up to 66%, reducing storage space and saving money. This equipment is manufactured with all safety requirements in accordance with CE directives.



- ✓ Compact 3 Bins into 1
- ✓ Safe and Easy to use
- ✓ Reduces Weekly Waste Costs
- ✓ Optional Bin Weigh System
- ✓ Reduces Waste Storage Space
- ✓ Cleaner & Tidier Waste Storage

Specification: Bin Press (EWPR101)

Height (mm / inches)	1,700mm / 66.93"
Width (mm / inches)	1,000mm / 39.37"
Depth (mm / inches)	1,300mm / 51.18"
Weight (kg)	285kg
Power	220 Volt or optional 110 Volt
Certification	CE Certified. Manufactured to ISO 9001
Colour	Green
Finish	Primed and Powder Coated

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ROTARY COMPACTOR – Product Code: EWPR129

The **EWPR129 ROTARY COMPACTOR** is a compact solution which enables it to cater for small and medium volume users and sites with limited space availability.

This high quality Rotary Compactor has been designed for you, the end user, it is simple to use and very efficient. With a small footprint, high capacity for waste and high compaction ratio, it has the flexibility to be used in multiple applications of waste compaction.

Utilizing rotary arm compaction technology, this industrial waste compactor is unique in that it places significant contact pressure and torque on waste to remove the maximum amount of air from the compacted waste.

Achieving compaction ratios of greater than 6:1, the **EWPR129** is highly efficient and greatly reduces your waste disposal costs.

- ✓ Small Footprint
- ✓ Simple To use
- ✓ Compacts Wet & Dry Waste
- ✓ High Contact Pressure
- ✓ High Compaction Torque
- ✓ Rotary Arm Compaction
- ✓ Continuous Compaction
- ✓ Over 6:1 Compaction Ration
- ✓ Pallet Waste Bag Collection
- ✓ Reduces Waste Disposal Costs



Typical Panel



Specification - Rotary Compactor (EWPR129)

Dimensions (mm)	2200mm x 1300mm x 1550mm
Dimensions Working (mm)	3020mm x 1300mm x 1550mm)
Loading Height (mm)	1470mm
Weight (kg)	1220kg
Power	240/480 Volt 3-phase 14Amp/7Amp
Torque	4,400ft-lbs
Compacted Bags Weight (kg)	227-431kg
Compacted Bags Dimensions (mm)	1.4 cubic meters

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STATIC COMPACTOR – Product Code: EWPR100

Our **EWPR100 STATIC COMPACTORS** are built to suit your specific needs and can be designed to bespoke requirements.

They are available with multiple loading methods and adaptable output volumes, meaning we can tailor your static compactor to work in conjunction with the container of your choice. This helps to streamline your waste management, improve business efficiency and save on labour costs. We will ensure your compactor compacts waste to suit the containers you use to store and transport your waste.

All equipment is manufactured with all safety requirements in accordance with CE directives.

- ✓ Simple Operation
- ✓ Easy to Use
- ✓ Adjustable PLC Programmes
- ✓ CHEM Standards Compliant
- ✓ Safety Cage Options
- ✓ Drop Forged Clamps & Hooks
- ✓ Heavy Duty Steel Construction
- ✓ High Reliability
- ✓ Built-In Power pack
- ✓ Vandal Proof Main Control Panel



Specification - Static Compactor (ShortEWPR100)

Volume per Stroke / Box Volume	1.37 / 1.77 c.m.
Cycle Time Standard / Fast (secs)	56 / 35 secs.
Ram Face Pressure @ 200 BAR	43 psi
Compaction Force@ 200 BAR	33 tons
Electric Motor (KW/Amps)	5.5 KW / 16 amps
Anti Vandal Control Panel	included
Cylinder Bore	100x2
Packing Ram Full Stroke (mm)	1500mm
Packing Ram Penetration (mm)	250mm
Machine Dimensions (mm)	2090mm (W) x 1667mm (D) x 1570mm (H)
Loading Height (mm)	1290mm

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STATIC COMPACTOR – Product Code: EWPR100-A

Our **EWPR100-A STATIC COMPACTORS** are built to suit your specific needs and can be designed to bespoke requirements.

They are available with multiple loading methods and adaptable output volumes, meaning we can tailor your static compactor to work in conjunction with the container of your choice. This helps to streamline your waste management, improve business efficiency and save on labour costs. We will ensure your compactor compacts waste to suit the containers you use to store and transport your waste.

All equipment is manufactured with all safety requirements in accordance with CE directives.

- ✓ Simple Operation
- ✓ Easy to Use
- ✓ 45 Second Cycle time
- ✓ CHEM Standards Compliant
- ✓ Safety Cage Options
- ✓ Comb Lifter
- ✓ Heavy Duty Steel Construction
- ✓ High Reliability



Specification - Static Compactor (Short EWPR100 - A)

Volume per Stroke / Box Volume	1.37 / 1.77 c.m.
Cycle Time Standard / Fast (secs)	45 sec
Basic Hydraulic Pressure	150 Bar
Charge Box Volume	1.61m3
Electric Motor (KW/Amps)	7.5 KW / 16 amps
Control Panel Voltage	24 Volt
Power Supply	415 Volt - 3 Phase - 32 amp
Packing Ram Full Stroke (mm)	1500mm
Packing Ram Penetration (mm)	250mm
Overall Machine Dimensions (mm)	4250mm (W) x 2500mm (L) x 2500mm (H)
Loading Height (mm)	1450mm

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PORTABLE COMPACTOR – Product Code: EWPR102

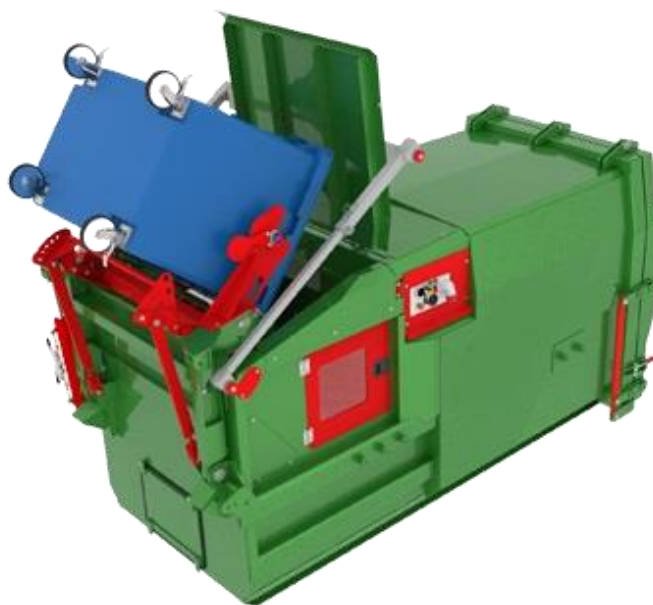
The **EWPR102 PORTABLE COMPACTOR** works on a similar principle to a static compactor but unlike the typical static compactor, the container and compaction unit are combined together.

It is designed for transportation and emptying with a regular chain lift skip truck. Generally not much longer than an average car parking space, the **EWPR102** can be located just about anywhere where there is access for the skip vehicle to load.

When full, the waste contractor lifts and removed the whole unit and returns it again when empty. Some portable compactors can be fitted with bin lifts but aside from that, the load and feed options are limited.

All equipment manufactured with all safety requirements in accordance with CE directives.

- ✓ All-in-One Leak Proof Construction
- ✓ Curved & Extra Strength Rear Door
- ✓ Door Sealing for Liquids Retention
- ✓ Pull Out power Pack
- ✓ Low Level Manual Loading
- ✓ Bin Lift Facility
- ✓ Pre Full & Bin Full Warnings



Specification - Portable Compactor (EWPR102)

Volume per Stroke / Hour	0.65 / 54 c.m.
Cycle Time (secs)	43 secs.
Power Supply (Amp / Volts)	16 amp / 380 volts
Compaction Force@ 3000psi	22 tons
Electric Motor (KW/phase)	2.2 KW / 1 phase
Packing Blade Face Pressure	42 psi
Cylinder Bore	80x2
Packing Blade Depth (mm)	450mm
Ram Penetration (mm)	200mm
Machine Dimensions (mm)	4230mm (W) x 1905mm (D) x 2180mm (H)
Loading Height (mm)	950mm / 1190mm

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PORTABLE COMPACTOR – Product Code: EWPR102-A

The **EWPR102 PORTABLE COMPACTOR-A** works on a similar principle to a static compactor but unlike the typical static compactor, the container and compaction unit are combined together.

It is designed for transportation and emptying with a regular chain lift skip truck. Generally not much longer than an average car parking space, the **EWPR102-A** can be located just about anywhere where there is access for the skip vehicle to load.

When full, the waste contractor lifts and removed the whole unit and returns it again when empty. Some portable compactors can be fitted with bin lifts but aside from that, the load and feed options are limited. The **EWPR102-A** is designed for manual loading with no bin lift facility.

All equipment manufactured with all safety requirements in accordance with CE directives.

- ✓ All-in-One Leak Proof Construction
- ✓ Curved & Extra Strength Rear Door
- ✓ Door Sealing for Liquids Retention
- ✓ Pull Out power Pack
- ✓ Low Level Manual Loading
- ✓ Pre Full & Bin Full Warnings



Specification - Portable Compactor (EWPR102 - A)

Volume per Stroke / Hour	0.65 / 54 c.m.
Cycle Time (secs)	43 secs.
Power Supply (Amp / Volts)	16 amp / 380 volts
Compaction Force@ 3000psi	22 tons
Electric Motor (KW/phase)	2.2 KW / 1 phase
Packing Blade Face Pressure	42 psi
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