

Selection guide for



balers
and compactors

Making sure



less is more

The following points should be considered in order to make the right choice of baler or compactor:

1. What waste material needs to be compacted?
2. What volume needs to be compacted?
3. What size of material needs to be compacted (determines infeed opening)?
4. How will the waste be compacted – in bags or bins or as bales or briquettes?
5. Is the waste collected centrally or in several different places?
6. What type of compaction solution is required?
7. Space available, machine footprint, working area required and power supply?

Your Orwak representative will be glad to help you make the right decisions!

Orwak balers, compactors and briquette presses contribute significantly to more effective waste handling solutions and create uniform handling methods and increased well-being of personnel. In addition, they facilitate your compliance with environmental rules and regulations.

The profitability generated within diverse waste handling segments makes investing in Orwak equipment a wise move.

Less transport
Less disposal
Less handling
Less clutter
Less risk
Less time
Less mess
Less trouble
Less energy
Less pollution

More money
More income
More efficiency
More space
More security
More productivity
More hygiene
More satisfaction
More savings
More cleanliness



Less is More



	3105	3110	3210	3300	3410
Waste material	Front loaded	Front loaded	Front loaded	Front loaded	Front loaded
Cardboard					
Plastic foil					
Print trimmings					
Aluminum shavings					
Dry and combustible					
Metal cans					
Mixed waste					
Aluminum cans					
PET					
Off cuts	?	?	?	?	?
Recommended amount cardboard: tons/year	Up to 10	Up to 15	Up to 25	Up to 60	Up to 70
Loading aperture WxH mm	704x458	704x458	800x500	1200x535	1200x554
Bale size WxDxH mm (in machine)	700x500x600	700x500x600	800x600x700	1200x700x865	1200x800x1000
Bale weight					
cardboard (kg)	Up to 40 kg	Up to 60 kg	Up to 80 kg	Up to 200 kg	Up to 300 kg
plastic (kg)	Up to 50 kg	Up to 70 kg	Up to 100 kg	Up to 250 kg	Up to 450 kg
Compaction ratio					
cardboard	5:1	7:1	5:1	5:1	5:1
plastic	10:1	10:1	10:1	10:1	10:1
Press force (HP)					
ton	1.5 (15 kN)	4 (40 kN)	12 (120 kN)	18,5 (185 kN)	24 (240 kN)
kg/cm ²	0.45	1.15	2.5	2.25	2.04
Machine dim./in use					
Transport H (mm)	1990	1990	1795 ¹	1980	2150
HxWxD (mm)	1990x866x680	1990x866x680	2150x1081x843	1980x1722x1070	2962x1590x1103
Emptying H (mm)					
Weight (machine)	305 kg	328 kg	660 kg	1350 kg	1440 kg
Operating power	230/240 V	230/240 V	3x400 V	3x400 V	3x400 V
Connection	Plug	Plug	CEE/plug/16 A	CEE/plug/16 A	CEE/plug/16 A
Fuse	10 A	10 A	10 A	10 A	10 A
Motor capacity	1.1 kW	1.1 kW	4 kW	3 kW	4 kW
Cycle time	27 s	27 s	13 s	25 s	35 s
Noise Level	<70 dB (A)	<70 dB (A)	62.4 dB (A)	<72 dB (A)	59.5 dB (A)
Bin size					
Band/Twine/Bags					
Type	Cardboard/plastic	Cardboard/plastic	Cardboard/plastic	Cardboard/plastic	Cardboard/plastic
	VG9 alt. White	VG9 alt. White	VG13/13HD	VG13/13HD	VG13HD
			alt. Orange	alt. Orange	alt. Orange
Number	2	2	2	4	4
Removal from delivery truck					
Requirement	Tail lift + hand pallet truck	Tail lift + hand pallet truck	Tail lift + hand pallet truck	Loading dock + hand pallet truck alt. forklift	Loading dock + hand pallet truck alt. forklift

■ = Perfect choice

■ = OK to be used

■ = Ask your Orwak salesperson

Blank/white = Should not be used



Notes:

LE FL100 Front loaded	Brickman 300 Top loaded	Brickman 900 Top loaded	Brickman 900 K Top loaded	Waste material
				Cardboard
				Plastic foil
				Print trimmings
				Aluminum shavings
				Dry and combustible
				Metal cans
				Mixed waste
				Aluminum cans
				PET
?	?	?	?	Off cuts
	up to 150	up to 300	up to 450	Recommended amount cardboard: tons/year
730x370	930(w)x600(d)	930(w)x1300(d)	2040(w)x1300(d)	Loading aperture WxH mm
	Briquette 80x80x100-300	Briquette 200x200x100-300	Briquette 200x200x100-300	Bale size WxDxH mm (in machine)
Up to 15 kg Up to 20 kg				Bale weight cardboard (kg) plastic (kg)
3:1 BOB ⁴ 5:1	Up to 20:1	Up to 20:1	Up to 20:1	Compaction ratio cardboard plastic
1.5 (15 kN) 1.2	25 (250 kN) 500	25 (250 kN) 62	25 (250 kN) 62	Press force (HP) ton kg/cm ²
2350x960x810	2000 1880x3040x1440	2000 1870x5710x1570	2000 1870x5710x2430	Machine dim. /in use Transport H (mm) HxWxD (mm) Emptying H (mm)
109 kg	1600 kg	3200 kg	3700 kg	Weight (machine)
230/240 V Plug 10 A 0.55 kW	3x400V/25 A CEE/plug/16 A 32 A 7.5 kW	3x400V/25 A CEE/plug/16 A 32 A 7.5 kW	3x400V/25 A CEE/plug/16 A 32 A 7.5 kW	Operating power Connection Fuse Motor capacity
34 s	16 s	28 s	40 s	Cycle time
55 dB (A)	68 dB	68 dB	68 dB	Noise Level
370 liter				Bin size
Cardboard/plastic VG13 alt. White I/BOB ⁴ alt 410 liter				Band/Twine/Bags Type Number
Tail lift + hand pallet truck	2-ton counterweight forklift	3-ton counterweight forklift	3-ton counterweight forklift	Removal from delivery truck Requirement

Contact:

Phone:

E-mail



A total approach to waste handling

Orwak has been a pioneer in developing high-performance waste handling systems based on a market-driven strategy since it was founded in 1971. This is why we can now offer a comprehensive range of compaction and baling solutions for recycling and disposal. These solutions improve business efficiency, contribute to a cleaner working and natural environment and they provide the best total waste handling economy.

Specialist knowledge

Because we carry out our own product research, development and manufacturing, we have built up an enviable bank of specialist knowledge over the years. Areas of expertise cover the properties of waste material, the problems and opportunities found in different application areas and how Orwak compaction solutions best satisfy the needs of each market segment.

Tight control of quality

As all the basic components of our systems are manufactured and assembled under one roof, we are able to maintain tight control over product specifications and quality. Skilled employees are complemented with the latest design and machining technology to give us an ideal blend of human and technical resources.

With you all the way

From pre-sales advice, through purchasing to after-sales system support, we take care of you all the way. After assessing the type and volume of your waste, as well as your internal logistics, we are able to propose the most suitable solution to satisfy your particular needs. We can even train your staff to get the best out of Orwak systems.

Always near at hand

With its headquarters and production in Sweden, Orwak has an extensive worldwide network of subsidiaries and business representatives. Our global reach enables us to establish a local presence in many countries to carry out marketing activities and maintain effective system service and technical supply.

As a leading player in the waste handling arena, we are here to stay and committed to helping you achieve your waste handling goals in the most profitable way.



Leader in compaction and baling solutions



Orwak is a world leader in compaction and baling solutions for solid waste material at source. We develop, manufacture and market a comprehensive range of waste compactors, baling systems and Brickman briquette presses for recyclable materials that make waste management more profitable. We also offer fully automatic balers for recyclable materials through our sister company Presona.

This is where Orwak's unequalled technology, expertise and service support make all the difference. When you partner with Orwak, you also gain access to the vast experience we have built up since 1971.

Orwak is wholly owned by the Norwegian company Tomra, a leading global player in providing integrated solutions for recovering and recycling used packaging.

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