

SELECTION GUIDE

FOR BALERS & COMPACTORS



 ORWAK®

ORWAK SOLUTIONS

Our compaction and baling solutions make a significant contribution to effective and efficient waste management, sustainable business practices, the well-being of employees, and compliance with environmental regulations. So although compacting and baling materials is about making something that's more into less, what we've learned over the years is that less also results in more benefits for our customers.

ORWAK BENEFITS

+ More productivity

Less time spent on waste handling means more time for the staff to concentrate on core activities.

+ More space & order

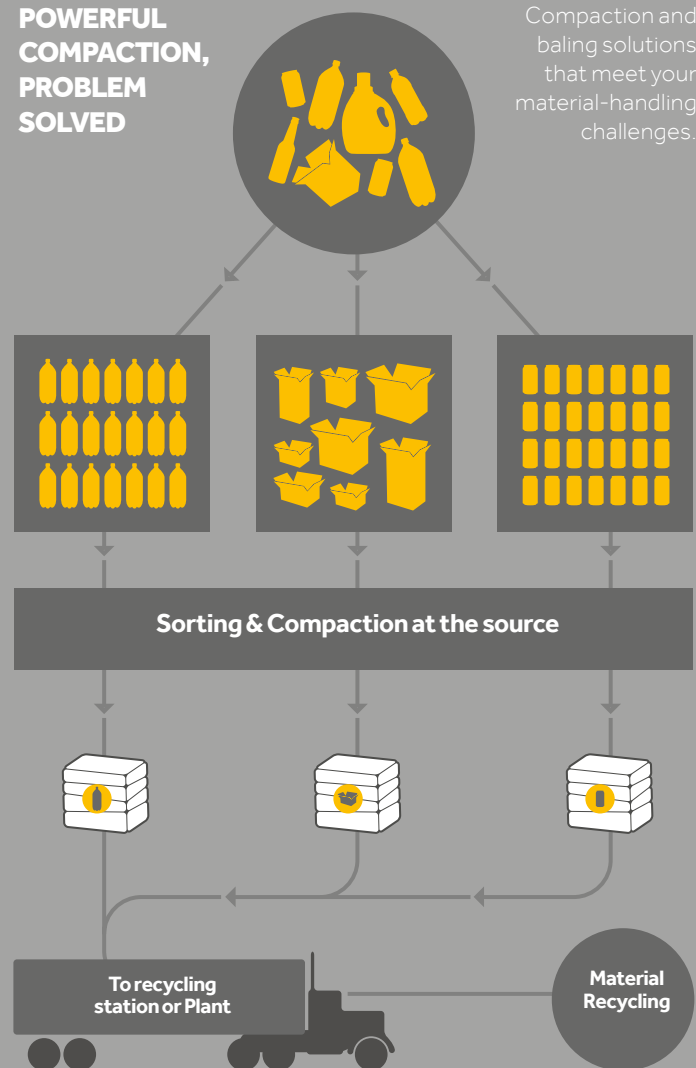
Highly compacted bales, bags or briquettes require much less space than loose waste. The volume reduction contributes to more productive use of space for stock-in-trade and production.

+ Less costs, more value

Compacted waste requires fewer waste pick-ups, which results in lower transportation costs and reduced CO2 emissions. Sorting at source yields a higher quality of waste material for recycling.

**POWERFUL
COMPACTION,
PROBLEM
SOLVED**

Compaction and baling solutions that meet your material-handling challenges.





TOM 1040

ORWAK COMPACT 3110

ORWAK COMPACT 3115

ORWAK COMPACT 3210

Waste material
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

	TOM 1040	ORWAK COMPACT 3110	ORWAK COMPACT 3115	ORWAK COMPACT 3210
Recommended amount cardboard: tons/year		Up to 15	Up to 20	Up to 25
Loading aperture WxH mm	W = 402	704x458	800x460	800x500
Bale size WxDxH mm (in machine)		700x500x600	800x600x600	800x600x700
Bale weight cardboard (kg) plastic (kg)		Up to 50 kg Up to 70 kg	Up to 60 kg Up to 85 kg	Up to 80 kg Up to 110 kg
Compaction ratio (up to) cardboard plastic	7:1	7:1 10:1	5:1 10:1	5:1 10:1
Press force (HP) ton kg/cm ²		4 (40 kN) 1.15	6 (60 kN) 1.36	12 (120 kN) 2.65
Machine dim./in use Transport H (mm) HxWxD (mm) Emptying H (mm)	1620 incl pallet 1445-1480x595x722	1990 1990x866x680	1990 1990x940x790	2150 (1795 ¹) 2150x1081x843
Weight (machine)	112 kg	340 kg	380 kg	660 kg
Operating power Connection Fuse Motor capacity	100-240 V Plug 10 A	230/240 V Plug 10 A 1.1 kW	230/240 V Plug 10 A 1.1 kW	3x400 V 5-pin CEE/plug/16 A 10 A 4 kW
Cycle time	15 s	33 s	33 s	13 s
Noise level	54 dB (A)	62.3 dB (A)	57 dB (A)	62.4 dB (A)
Bin size				
Straps/Bags Type	290 liter bags	Cardboard/plastic VG9	Cardboard/plastic VG9 alt. VG13	Cardboard/plastic VG13/13HD
Number	1	2	2	2

**Removal from
delivery truck**

Requirement

Tail lift
+ hand pallet truck

Tail lift
+ hand pallet truck

Tail lift
+ hand pallet truck

Tail lift
+ hand pallet truck

■ = Perfect choice

■ = OK to use

Blank = Should not be used

¹ Can be ordered (stripped version)



ORWAK POWER 3320

ORWAK POWER 3325

ORWAK POWER 3420

ORWAK POWER 3620

ORWAK POWER 3820

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					

Recommended amount
cardboard: tons/year

Up to 60

Up to 60

Up to 70

Up to 80

Up to 120

Loading aperture
WxH mm

1200x510

1200x520

1200x520

1200x600

1500x630

Bale size
WxDxH mm (in machine)

1200x800x1150

1200x800x1150

1200x800x1150

1200x800x1140

1500x800x1140

Bale weight
cardboard (kg)
plastic (kg)

Up to 200 kg

Up to 300 kg
Up to 350 kg

Up to 400 kg
Up to 450 kg

Up to 450 kg

Up to 500 kg

Compaction ratio (up to)
cardboard
plastic

5:1

5:1

7:1

10:1

5:1

10:1

10:1

10:1

Press force (HP)

ton
kg/cm²

18.5 (185 kN)
2.25

18.5 (185 kN)
2.25

26 (260 kN)
2.04

52 (520 kN)
4.86

26 (260 kN)
2.04

Machine dim./in use

Transport H (mm)
HxWxD (mm)
Emptying H (mm)

1980²

1980²

1980²

1980²

1980²

1980x1775x998

2380x1775x995

2380x1775x995

2481x1900x1030

2576x2075x996

Weight (machine)

985 kg

1080 kg

1080 kg

1520 kg

1220 kg

Operating power

Connection
Fuse
Motor capacity

3x400 V

3x400 V

3x400 V

3x400 V

3x400 V

5-pin CEE/plug/16 A

5-pin CEE/plug/16 A

5-pin CEE/plug/16 A

5-pin CEE/plug/16 A

5-pin CEE/plug/16 A

10 A

10 A

10 A

10 A

10 A

4.6 kW

4.6 kW

4.6 kW

4.6 kW

4.6 kW

Cycle time

26 s

24 s

24 s

46 s

24 s

Noise level

≤65 dB (A)

≤65 dB (A)

≤65 dB (A)

≤65 dB (A)

≤65 dB (A)

Bin size

Straps/Bags
Type

Cardboard/plastic
VG13/13HD or wire

Cardboard/plastic
VG13/13HD or wire

Cardboard/plastic
VG13HD or wire

Cardboard
VG19HD or wire

Cardboard
VG13HD/VG19HD or
wire

Number

4

4

4

4

**Removal from
delivery truck**
Requirement

Loading dock
+ hand pallet truck
alt. forklift

Loading dock
+ hand pallet truck
alt. forklift

Loading dock
+ hand pallet truck
alt. forklift

Loading dock
+ hand pallet truck
alt. forklift

Loading dock
+ hand pallet truck
alt. forklift

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² Transport feet add 70 mm
but can be removed after unloading

³ For double chamber
depth incl. strap holders



	ORWAK MULTI 5070	ORWAK MULTI 5070-COMBI	ORWAK MULTI 5070- HDC	ORWAK MULTI 9020
Waste material	Top loaded	Top loaded	Top loaded	Top loaded
Cardboard				
Plastic foil				
Print trimmings				
Aluminum shavings				
Dry and combustible				
Metal cans				
Mixed waste				
Aluminum cans				
PET				
Recommended amount cardboard: tons/year	Up to 20	Up to 20	Up to 30	Up to 60
Loading aperture WxH mm	700(w)x500(d)	700(w)x500(d)	700(w)x500(d)	1100(w)x700(d)
Bale size WxDxH mm (in machine)	700x500x700	700x500x700	700x500x700	1100x700x800
Bale weight cardboard (kg) plastic (kg)	Up to 50 kg Up to 80 kg	Up to 50 kg Up to 80 kg	Up to 80 kg Up to 100 kg	Up to 200 kg Up to 300 kg
Compaction ratio (up to) cardboard plastic	4:1 10:1	4:1 10:1	5:1 10:1	7:1 10:1
Press force (HP) ton kg/cm ²	3 (30 kN) 1.0	3 (30 kN) 1.0	10 (100 kN) 2.86	20 (200 kN) 2.6
Machine dim./in use Transport H (mm) HxWxD (mm) Emptying H (mm)	2160 2160x1740x880 ³ -	2265 2265x2550x920 ⁴ -	2220 2220x1740x830 ³ -	1900 ¹ 2470x2480x1135 ³ -
Weight (machine)	522 kg ³	803 kg ⁴	850 kg ³	1580 kg ³
Operating power Connection Fuse Motor capacity	230/240 V Plug 10 A 1.1 kW	230/240 V Plug 10 A 1.1 kW	3x400 V CEE/plug/16 A 10 A 3 kW	3x400 V CEE/plug/16 A 10 A 3 kW
Cycle time	36 s	36 s	20 s	35 s
Noise level	<70 dB (A)	<70 dB (A)	<72 dB (A)	<72 dB (A)
Bin size		660 liter		
Straps/Bags Type Number	Cardboard/plastic VG13 4	Cardboard/plastic VG13 2	Cardboard/plastic VG13/13HD 6	Cardboard/plastic VG13/13HD 8
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

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³ For double chamber depth incl. strap holders

⁴ For Combi model 1+1



ORWAK FLEX 4110



ORWAK FLEX 5010-E



ORWAK FLEX 5030



ORWAK FLEX 5031

	ORWAK FLEX 4110	ORWAK FLEX 5010-E	ORWAK FLEX 5030	ORWAK FLEX 5031
Waste material	Top loaded	Top loaded	Top loaded	Top loaded
Cardboard				
Plastic foil				
Print trimmings				
Aluminum shavings				
Dry and combustible				
Metal cans				
Mixed waste				
Aluminum cans				
PET				
Recommended amount cardboard: tons/year		Up to 15		Up to 10
Loading aperture WxH mm	683xapprox.500	500(w)x700(d)	ø500	500(w)x500(d)
Bale size WxDxH mm (in machine)		700x500x700		500x500x700
Bale weight cardboard (kg) plastic (kg)		Up to 60 kg Up to 80 kg		Up to 40 kg Up to 60 kg
Compaction ratio (up to) cardboard plastic	4:1-8:1	4:1 10:1	10:1	4:1 10:1
Press force (HP) ton kg/cm ²	3 (30 kN) 0.9 (660 L)/ 0.5 (1100 L)	3 (30 kN) 1.0	3 (30 kN) 1.5	3 (30 kN) 1.5
Machine dim./in use Transport H (mm) HxWxD (mm) Emptying H (mm)	1900 2479 ⁵ x1396x1730 1900	2140 2140x910x1110 2140	1940 1940x760x1045 2660	1940 1940x785x1033 2660
Weight (machine)	approx. 550 kg	370 kg	262 kg	285 kg
Operating power Connection Fuse Motor capacity	230/240 V Plug 10 A 1.1 kW	230/240 V Plug 10 A 1.1 kW	230/240 V Plug 10 A 1.1 kW	230/240 V Plug 10 A 1.1 kW
Cycle time	32 s	36 s	36 s	36 s
Noise level	62.4 dB (A)	<70 dB (A)	<62 dB (A)	62 dB (A)
Bin size	660 alt 1100 liter			
Straps/Bags Type		Cardboard/plastic VG13	200 liter bags	Cardboard/plastic VG9/VG13/410 liter bags
Number		2	1	1/2
Removal from delivery truck Requirement	Loading dock + hand pallet truck	Tail lift + hand pallet truck	Tail lift + hand pallet truck	Tail lift + hand pallet truck

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⁵ 1100 L (2459 mm for 660 L)

All machine dimensions are specified with the front door open



BRICKMAN 300

BRICKMAN 900K

BRICKMAN 1200K

BRICKMAN 2000K

Waste material

	Top loaded	Top loaded	Top loaded	Top loaded
Cardboard				
Plastic foil				
Print trimmings				
Aluminum shavings				
Dry and combustible				
Metal cans				
Mixed waste				
Aluminum cans				
PET				

**Recommended amount
cardboard: tons/year**

Capacity:
up to 250 kg/h

Capacity:
up to 750 kg/h

Capacity:
up to 1100 kg/h

Capacity:
up to 1500 kg/h

**Loading aperture
WxH mm**

600(w)x900(d)

1300(w)x1900(d)

1300(w)x1900(d)

1300(w)x1900(d)

**Bale size
WxDxH mm (in machine)**

Briquette
80x80x100-300

Briquette
200x200x100-300

Briquette
200x200x100-300

Briquette
200x200x100-300

**Bale weight
cardboard (kg)
plastic (kg)**

Up to 20:1

Up to 20:1

Up to 20:1

Up to 20:1

**Compaction ratio (up to)
cardboard
plastic**

25 (250 kN)
500

25 (250 kN)
62

25 (250 kN)
62

25 (250 kN)
62

**Press force (HP)
ton
kg/cm²**

Machine dim./in use
Transport H (mm)
HxWxD (mm)
Emptying H (mm)

2000
2270x3040x1440

2000
2470x5710x2430

2000
2470x5710x2430

2000
2470x6300x2430

Weight (machine)

1600 kg

3700 kg

3800 kg

4000 kg

Operating power

Connection
Fuse
Motor capacity

3x400V
CEE/plug/32 A
25 A
7.5 kW

3x400V
CEE/plug/32 A
25 A
7.5 kW

3x400V
CEE/plug/63 A
40 A
11 kW

3x400V
CEE/plug/63 A
40 A
18.5 kW

Cycle time

16s

28 s

28 s

20 s

Noise level

68 dB

68 dB

68 dB

80 dB

Bin size

Straps/Bags

Type
Number

**Removal from
delivery truck**

Requirement

2-ton counterweight
forklift

3-ton counterweight
forklift

3-ton counterweight
forklift

3-ton counterweight
forklift

For more info, contact us or visit our website www.orwak.com. We reserve the right to make changes to specifications without prior notice. Bale/bag/bin weights are dependent upon material type.



MORE PROFITABLE
WASTE MANAGEMENT



COMPACTION SOLUTIONS FOR MOST TYPES OF WASTE

ORWAK develops solutions for sorting and recycling waste materials that improve business efficiency, contribute to a cleaner working and natural environment to provide the best total waste handling economy.

We offer an innovative range of products that promotes sorting at source and make waste management more profitable.

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 **ORWAK®**