



HORIZONTAL BALER TYPE AVOS 88/108

High compaction degree and low energy consumption



TIP:
Watch the
video!



■ AVOS 88 P-7,5/30

Standard
RAL-colours

	RAL 1003
	RAL 2000
	RAL 3001
	RAL 3020
	RAL 5005
	RAL 5007
	RAL 5010
	RAL 5015
	RAL 5017
	RAL 6002
	RAL 6018
	RAL 6024
	RAL 7016
	RAL 7032
	RAL 7038
	RAL 9002

Go for flexibility

You will get your horizontal
baler type AVOS 88/108 optionally...

- ... with fully automatic channel adjustment
- ... with AVERMANN special press ram for pressing bulky materials (suitable for AVOS 108 only)
- ... with oil/air cooling unit
- ... with oil heating
- ... with touch-screen display

Your advantages:

- ✓ Low energy consumption
- ✓ Individual optional equipment
- ✓ Optimal use with little space availability

Further RAL-colours on
demand at extra charge.



■ AVOS 88 with manual feeding



■ AVOS 108 with sliding belt conveyor



Reliability you will appreciate!

Continuous compaction of recyclable and waste materials: Regardless of pressing paper, cardboard, film or residual waste – the AVERMANN horizontal baler type AVOS 88/108 satisfies due to high efficiency and economic feasibility. The highly compacted and

fully automatically bound bales enable a space saving storage and cost-effective transport. Convince yourself of the longevity and the low energy consumption of this quality product!

Technical data

	AVOS 88-7.5/30	AVOS 88-11/30	AVOS 108-7.5/30	AVOS 108-11/40
Machine length	4000 mm	4000 mm	6300 mm	6300 mm
Machine width	1670 mm	1670 mm	1700 mm	1700 mm
Machine height	2480 mm	2480 mm	2520 mm	2520 mm
Feeding hopper cross section	800 x 800 mm	800 x 800 mm	1000 x 800 mm	1000 x 800 mm
Dead weight approx.	3600 kg	3700 kg	6800 kg	6900 kg
Bale size (W x H)	800 x 550 mm	800 x 550 mm	800 x 550 mm	800 x 550 mm
Bale weight* up to	250 kg	250 kg	250 kg	300 kg
Channel adjustment	manually	manually	3-sided automatically	3-sided automatically
Cycle time (empty)	22 sec	14 sec	26 sec	17 sec
Idle speed capacity (theoretical)	60 m³/h	94 m³/h	60 m³/h	95 m³/h
Throughput** 35 kg/m³ (cardboard)	1.6 t/h	2.6 t/h	1.6 t/h	2.6 t/h
Throughput** 60 kg/m³ (cardboard, paper)	2.8 t/h	4.5 t/h	2.8 t/h	4.5 t/h
Throughput** 100 kg/m³ (newspapers)	4.7 t/h	7.5 t/h	4.8 t/h	7.5 t/h
Specific press force	68.2 N/cm²	68.2 N/cm²	68.2 N/cm²	90.9 N/cm²
Press force	300 kN	300 kN	300 kN	400 kN
Drive capacity	7.5 kW	11 kW	7.5 kW	11 kW

* depending on bale length and material, ** relating to apparent weight

Valid for all machine types

Adjustable bale length; Binding: 3-fold vertically; Electricity: 3 x 400 V, N, PE/50 Hz

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HORIZONTAL BALER TYPE AVOS 1211

High efficiency in compact design



■ AVOS 1211-15/50

Standard
RAL-colours

	RAL 1003
	RAL 2000
	RAL 3001
	RAL 3020
	RAL 5005
	RAL 5007
	RAL 5010
	RAL 5015
	RAL 5017
	RAL 6002
	RAL 6018
	RAL 6024
	RAL 7016
	RAL 7032
	RAL 7038
	RAL 9002

TIP:
Watch the
video!



Go for flexibility

You will get your horizontal
baler type AVOS 1211 optionally...

- ... with oil heating element
- ... with 400 kg wire coil holders
- ... with feeding conveyor to fill the baler evenly
and continuously
- ... with large display to indicate the bale length
- ... with hook base frame
- ... with touch-screen display

Your advantages:

- ✓ Solid, torsion-resistant
construction
- ✓ Individual equipment
options
- ✓ Vertical 4-fold binding
- ✓ Compact design

Further RAL-colours on
demand at extra charge.

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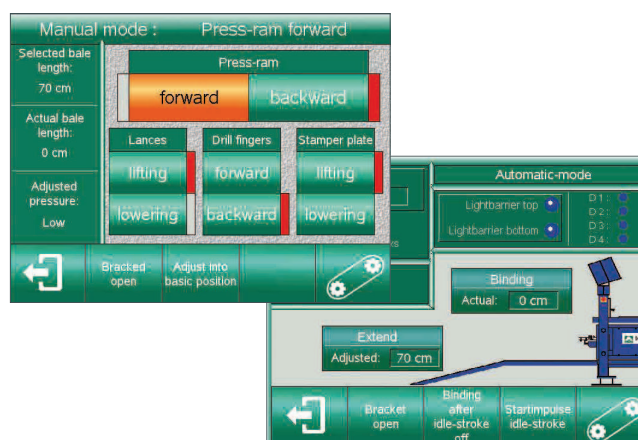


MIX
Papier aus verantwortungsvollen
Quellen
FSC® C074455

■ AVOS 1211 with hook base frame



■ Touchscreen-Display incl. a wide range of functions



The starter model with proven technique

Space saving with full efficiency: Deciding on the AVERMANN horizontal baler type AVOS 1211, you get the latest state-of-the-art technology in solid design. Thanks to the compact design only little space is needed.

Thus you profit from a 'slim' design with all advantages regarding functionality and required quality. Moreover, the horizontal baler type AVOS 1211 offers a fully automatic operation as well as the proven 4-fold binding.

Technical data

	AVOS 1211-15/50	AVOS 1211-22/60
Machine length	5800 mm	5800 mm
Machine width	1800 mm	1800 mm
Machine height	3000 mm	3000 mm
Feeding hopper cross section	1200 x 1100 mm	1200 x 1100 mm
Dead weight approx.	8500 kg	8500 kg
Bale size (W x H)	1100 x 700 mm	1100 x 700 mm
Bale length	adjustable	adjustable
Bale weight* up to	450 kg	500 kg
Binding	4-fold vertically	4-fold vertically
Channel adjustment**	semi-automatically	semi-automatically
Electricity	3 x 400 V, N, PE/50 Hz	3 x 400 V, N, PE/50 Hz
Cycle time (empty)	30 sec	20 sec
Idle speed capacity (theoretical)	99 m³/h	148 m³/h
Throughput*** 35 kg/m³ (cardboard)	2.7 t/h	3.3 t/h
Throughput*** 60 kg/m³ (cardboard, paper)	4.7 t/h	5.6 t/h
Throughput*** 100 kg/m³ (newspapers)	6.5 t/h	7.8 t/h
Specific press force	64.9 N/cm²	77.9 N/cm²
Press force	500 kN	600 kN
Drive capacity	15 kW	22 kW

* depending on bale length and material, ** top channel plate fully automatic, side channel plates manually,

*** relating to apparent weight



HORIZONTAL BALER TYPE AVOS 1410 RH

Reliable technology for a variety of applications



■ AVOS 1410 RH-22/50

Standard RAL-colours

	RAL 1003
	RAL 2000
	RAL 3001
	RAL 3020
	RAL 5005
	RAL 5007
	RAL 5010
	RAL 5015
	RAL 5017
	RAL 6002
	RAL 6018
	RAL 6024
	RAL 7016
	RAL 7032
	RAL 7038
	RAL 9002

Further RAL-colours on demand at extra charge.

Go for flexibility

You will get your horizontal baler type AVOS 1410 RH optionally...

- ... with touch-screen display
- ... with feeding conveyor belt to fill the baler continuously
- ... with large display to indicate the bale length
- ... with wire end control unit to change the wires easily
- ... with 400 kg wire coil holders

Your advantages:

- ✓ Press ram guiding on steel rollers
- ✓ Vertical 4-fold binding
- ✓ Individual equipment options
- ✓ Well-proven technology thanks to more than 30 years of experience



Hydraulic unit of the AVOS 1410 RH



Large-sized maintenance doors for easy accessibility



AVERMANN's neo-classic

Don't compromise when pressing waste and recyclable materials: The horizontal baler type AVOS 1410 RH with 22 kW and 500 kN offers premium quality and performance. Special features are the large feeding chute, the approved binding technique and the press ram guiding with hardened steel rollers on HARDOX rails.

Due to the built-in heating and cooling elements for the hydraulic oil, the horizontal baler can be operated trouble-free, also in the case of extreme temperatures. The press ram is driven by an energy-saving, power-controlled axial piston pump. The operating pressure of the machine can be controlled by means of a selector switch which allows the optimal compaction of different materials.

Technical data

	AVOS 1410 RH-22/50
Machine length	8400 mm
Machine width	2400 mm
Machine height	3770 mm
Feeding hopper cross section	1400 x 1000 mm
Dead weight approx.	15000 kg
Bale size (W x H)	1100 x 700 mm
Bale weight* up to	500 kg
Channel adjustment	3-sided automatically
Cycle time (empty)	20 sec
Idle speed capacity (theoretical)	180 m³/h
Throughput** 35 kg/m³ (cardboard)	3.8 t/h
Throughput** 60 kg/m³ (cardboard, paper)	5.1 t/h
Throughput** 100 kg/m³ (newspapers)	6.5 t/h
Specific press force	64.9 N/cm²
Press force	500 kN
Drive capacity	22 kW

* depending on bale length and material, ** relating to apparent weight

Valid for all machine types

Adjustable bale length; Binding: 4-fold vertically; Electricity: 3 x 400 V, N, PE/50 Hz

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HORIZONTAL BALER TYPE AVOS 1410

Well-proven technology for special demands



TIP:
Watch the
video!



Standard RAL-colours

	RAL 1003
	RAL 2000
	RAL 3001
	RAL 3020
	RAL 5005
	RAL 5007
	RAL 5010
	RAL 5015
	RAL 5017
	RAL 6002
	RAL 6018
	RAL 6024
	RAL 7016
	RAL 7032
	RAL 7038
	RAL 9002

Go for flexibility

You will get your horizontal
baler type AVOS 1410 optionally...

- ... with AVERMANN special press ram to bale bulk material
- ... with feeding conveyor belt to fill the baler continuously
- ... with wire end control unit to change the wires easily
- ... with press ram guiding either on plastic rails or steel rollers
- ... with touch-screen display

■ AVOS 1410-37/70

Your advantages:

- ✓ Separate heating, cooling and filter cycle for the hydraulic oil
- ✓ Different drives depending on requirement
- ✓ Well-proven technology thanks to more than 30 years of experience

Further RAL-colours on demand at extra charge.

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■ Horizontal baler type AVOS 1410-37/70



■ AVERMANN special press-ram (optional)



AVERMANN's classic

Go for efficiency for capacious waste and recyclable fractions: The horizontal baler type AVOS 1410 convinces by first-class quality and high productivity. Special features are the large feeding chute, the proven binding technique and the high press force. Due to the integrated heating and cooling cycle for the hydraulic

oil the horizontal baler can be operated trouble-free, also in the case of extreme temperatures. The electro-hydraulic drive up to 45 kW is designed for high throughput so that the machine is perfectly suited for being operated on central waste disposal sites, too.

Technical data

	AVOS 1410-22/50	AVOS 1410-30/60	AVOS 1410-37/70	AVOS 1410-45/80
Machine length	8400 mm	8400 mm	8400 mm	8400 mm
Machine width	2400 mm	2400 mm	2400 mm	2400 mm
Machine height	3770 mm	3770 mm	3770 mm	3770 mm
Feeding hopper cross section	1400 x 1000 mm	1400 x 1000mm	1400 x 1000 mm	1400 x 1000 mm
Dead weight approx.	15000 kg	15000 kg	16000 kg	16500 kg
Bale size (W x H)	1100 x 700 mm	1100 x 700 mm	1100 x 700 mm	1100 x 700 mm
Bale weight* up to	500 kg	530 kg	550 kg	600 kg
Channel adjustment	3-sided automatically	3-sided automatically	3-sided automatically	3-sided automatically
Cycle time (empty)	13.3 sec	12 sec	12 sec	16 sec
Idle speed capacity (theoretical)	266 m³/h	304 m³/h	304 m³/h	227 m³/h
Throughput** 35 kg/m³ (cardboard)	5.5 t/h	6.3 t/h	6.3 t/h	6.0 t/h
Throughput** 60 kg/m³ (cardboard, paper)	7.5 t/h	8.0 t/h	10.9 t/h	10.5 t/h
Throughput** 100 kg/m³ (newspapers)	9.7 t/h	14.0 t/h	18.2 t/h	17.5 t/h
Specific press force	64.9 N/cm²	77.9 N/cm²	90.9 N/cm²	103.9 N/cm²
Press force	500 kN	600 kN	700 kN	800 kN
Drive capacity	22 kW	30 kW	37 kW	45 kW

* depending on bale length and material, ** relating to apparent weight

Valid for all machine types

Adjustable bale length; Binding: 4-fold vertically; Electricity: 3 x 400 V, N, PE/50 Hz



HORIZONTAL BALER TYPE AVOS 1410 B5

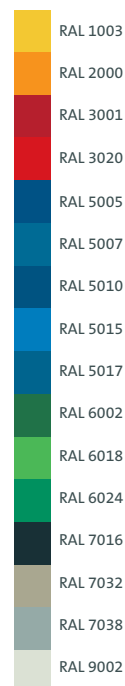
Flexible solutions for high demands



Standard
RAL-colours

■ AVOS 1410 B5-37/70

TIP:
Watch the
video!



Further RAL-colours on
demand at extra charge.

Go for flexibility

You will get your horizontal
baler type AVOS 1410 B5 optionally...

- ... with touch-screen display
- ... with feeding conveyor to fill the baler
evenly and continuously
- ... with AVERMANN special press ram for pressing
bulky materials
- ... with press ram guiding either on plastic rails
or steel rollers
- ... with cross-binding

Your advantages:

- ✓ Inherently stable bales
thanks to vertical 5-fold
binding
- ✓ Low default risk due to
two separate drive units
- ✓ Well-proven technology
thanks to more than
30 years of experience

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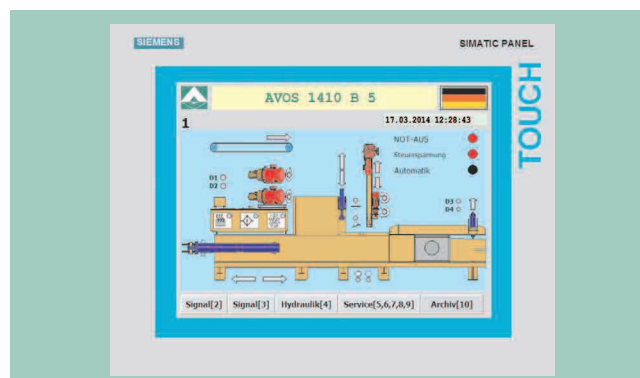




■ Automated vertical 5-fold binding



■ Touch-screen display



Flexible and tailor-made

Optimum compaction of expansive goods and saleable recyclable materials: This baler is outstanding due to its various options. The press ram guiding is done either on plastic rails or steel rollers. In addition the drive of this baler can be effected via one or two energy saving, powerful hydraulic pumps. Depending on application and requirement this machine

can be used flexibly. On the one hand, a power-saving mode is guaranteed by using only one pump and on the other hand a high throughput can be reached by activating the second pump. The 5-fold binding system guarantees inherently stable bales – even with bulky materials.

Technical data

	AVOS 1410 B5-37/70	AVOS 1410 B5-45/80	AVOS 1410 B5-60/80	AVOS 1410 B5-90/100
Machine length	10160 mm	10160 mm	10160 mm	10160 mm
Machine width	2400 mm	2400 mm	2400 mm	2400 mm
Machine height	3900 mm	3900 mm	3900 mm	3900 mm
Feeding hopper cross section	1400 x 1000 mm	1400 x 1000 mm	1400 x 1000 mm	1400 x 1000 mm
Dead weight approx.	23000 kg	24000 kg	25500 kg	26000 kg
Bale size (W x H)	1100 x 750 mm	1100 x 750 mm	1100 x 750 mm	1100 x 750 mm
Bale weight* up to	550 kg	650 kg	650 kg	700 kg
Channel adjustment	3-sided automatically	3-sided automatically	3-sided automatically	3-sided automatically
Cycle time (empty)	16.7 sec	16.7 sec	8.4 sec	10.3 sec
Idle speed capacity (theoretical)	226 m³/h	226 m³/h	452 m³/h	368 m³/h
Throughput** 35 kg/m³ (cardboard)	6.5 t/h	7.0 t/h	9.4 t/h	9.4 t/h
Throughput** 60 kg/m³ (cardboard, paper)	8.1 t/h	8.5 t/h	13.2 t/h	16.2 t/h
Throughput** 100 kg/m³ (newspapers)	15.5 t/h	16.0 t/h	22.0 t/h	24.0 t/h
Specific press force	84.8 N/cm²	97.0 N/cm²	97.0 N/cm²	121.2 N/cm²
Press force	700 kN	800 kN	800 kN	1000 kN
Drive capacity	37 kW	45 kW	2 x 30 kW	2 x 45 kW

* depending on bale length and material, ** relating to apparent weight

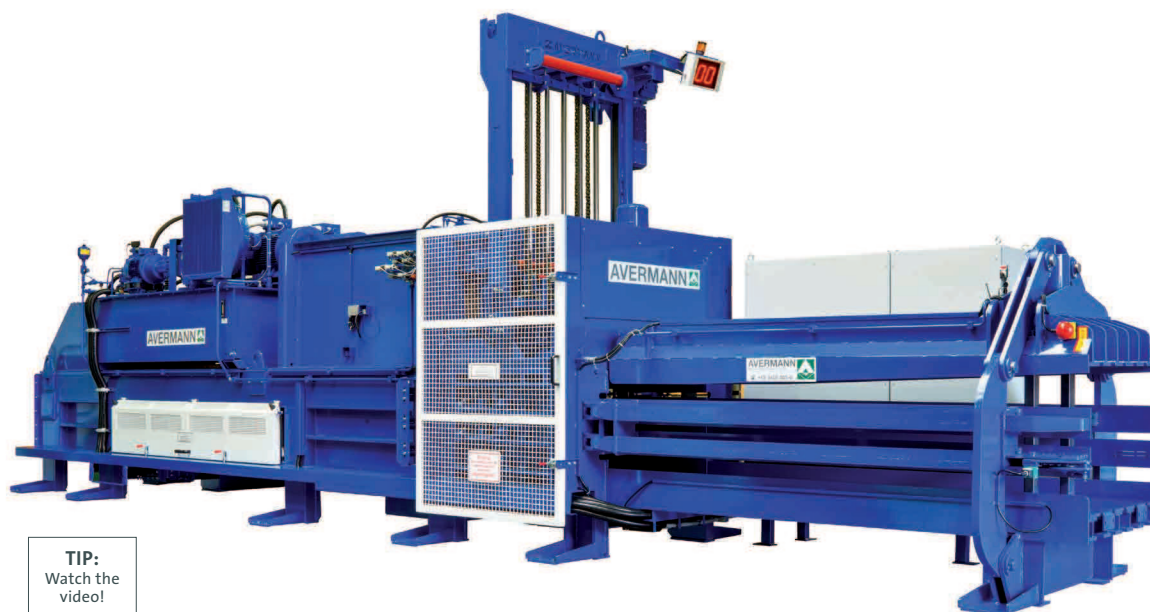
Valid for all machine types

Adjustable bale length; Binding: 5-fold vertically; optional with cross-binding: 5-fold vertically, 3-fold horizontally; Electricity: 3 x 400 V, N, PE/50 Hz

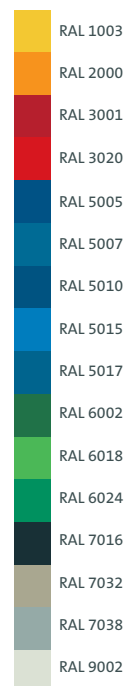


HORIZONTAL BALER TYPE AVOS 1810 B5

Superior technology for continuous operation



Standard
RAL-colours



TIP:
Watch the
video!



■ AVOS 1810 B5-110/100

Go for flexibility

You will get your horizontal
baler type AVOS 1810 B5 optionally...

- ... with touch-screen display
- ... with feeding conveyor to fill the baler evenly and continuously
- ... with AVERMANN special press ram to compact bulky materials
- ... with press ram guiding either on plastic rails or steel rollers
- ... with cross-binding

Your advantages:

- ✓ Large-scale feeding chute
- ✓ Compaction of extremely high quantities of waste or recyclable materials
- ✓ Well-proven technology thanks to more than 30 years of experience

Further RAL-colours on
demand at extra charge.

■ AVOS 1810 B5 with cross-binding



■ AVOS 1810 B5 at quality check



Effective, economical and powerful

By using the horizontal baler type AVOS 1810 B5 you can compact large waste quantities quickly and safely. The press ram guiding is done either on plastic rails or steel rollers. To compact fine-grained and highly expansive materials the AVOS 1810 B5 can be equipped with a cross-binding unit. The high throughput via either one

or two energy saving, high-performance hydraulic pumps allows an extensive range of applications. Furthermore, the state-of-the-art key transfer system guarantees highest safety standards for exemplary operating safety. Profit from these advantages and our know-how!

Technical data

	AVOS 1810 B5-55/80	AVOS 1810 B5-90/80	AVOS 1810 B5-90/100	AVOS 1810 B5-110/100
Machine length	11200 mm	11200 mm	11200 mm	11200 mm
Machine width	2400 mm	2400 mm	2400 mm	2400 mm
Machine height	3900 mm	3900 mm	3900 mm	3900 mm
Feeding hopper cross section	1800 x 1000 mm	1800 x 1000 mm	1800 x 1000 mm	1800 x 1000 mm
Dead weight approx.	26000 kg	27000 kg	28000 kg	28000 kg
Bale size (W x H)	1100 x 750 mm	1100 x 750 mm	1100 x 750 mm	1100 x 750 mm
Bale weight* up to	650 kg	650 kg	700 kg	700 kg
Channel adjustment	3-sided automatically	3-sided automatically	3-sided automatically	3-sided automatically
Cycle time (empty)	20.4 sec	10.2 sec	12.5 sec	12.5 sec
Idle speed capacity (theoretical)	238 m³/h	476 m³/h	388 m³/h	388 m³/h
Throughput** 35 kg/m³ (cardboard)	5.0 t/h	12.5 t/h	12.1 t/h	12.5 t/h
Throughput** 60 kg/m³ (cardboard, paper)	8.5 t/h	20.0 t/h	16.0 t/h	17.5 t/h
Throughput** 100 kg/m³ (newspapers)	14.2 t/h	28.5 t/h	23.2 t/h	26.2 t/h
Specific press force	97.0 N/cm²	97.0 N/cm²	121.2 N/cm²	121.2 N/cm²
Press force	800 kN	800 kN	1000 kN	1000 kN
Drive capacity	55 kW	2 x 45 kW	2 x 45 kW	2 x 55 kW

* depending on bale length and material, ** relating to apparent weight

Valid for all machine types

Adjustable bale length; Binding: 5-fold vertically; optional with cross-binding: 5-fold vertically, 3-fold horizontally;
Electricity: 3 x 400 V, N, PE/50 Hz



HORIZONTAL BALER TYPE AVOS 2010 B5

Modern technology for substantial waste quantities



■ AVOS 2010 B5-150/170

Standard
RAL-colours

	RAL 1003
	RAL 2000
	RAL 3001
	RAL 3020
	RAL 5005
	RAL 5007
	RAL 5010
	RAL 5015
	RAL 5017
	RAL 6002
	RAL 6018
	RAL 6024
	RAL 7016
	RAL 7032
	RAL 7038
	RAL 9002

Go for flexibility

You will get your horizontal baler type AVOS 2010 B5 optionally...

- ... with vertical binding
- ... with horizontal binding
- ... with cross-binding
- ... with industrial router for remote access
- ... with feeding conveyor to fill the baler evenly and continuously

Your advantages:

- ✓ Extremely large feeding hopper cross section
- ✓ Bale size 1.1 x 1.1 m
- ✓ Two separate drive units
- ✓ Pressing force up to 1700 kN

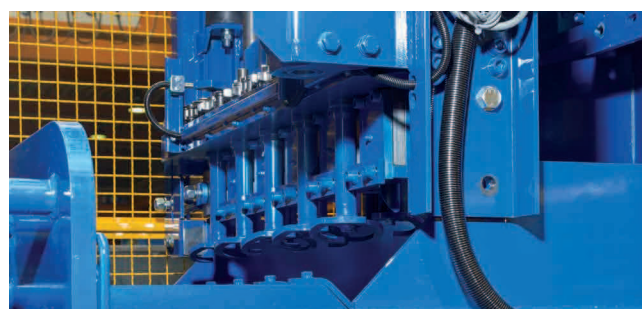
Further RAL-colours on demand at extra charge.



■ AVOS 2010 B5 with chain conveyor



■ Automated vertical 5-fold binding



High throughput and press force

By choosing the horizontal baler type AVOS 2010 B5 you get a top class level machine. The state-of-the-art development leaves no room for further demands. The interaction of the intelligent control with the powerful and energy saving hydraulic pumps ensures perfect

bales with a bale size of 1.1 x 1.1 m (length adjustable). A major advantage is the variety of options for the binding units (vertical, horizontal or cross-binding). The durable, reliable and economical AVOS 2010 B5 works under extreme conditions – and of course worldwide.

Technical data

	AVOS 2010 B5-110/130	AVOS 2010 B5-110/150	AVOS 2010 B5-150/170
Machine length	15782 mm	15782 mm	15782 mm
Machine width (vertical binding)	2692 mm	2692 mm	2692 mm
Machine width (horizontal binding)	4858 mm	4858 mm	4858 mm
Machine height (vertical binding)	4550 mm	4550 mm	4550 mm
Machine height (horizontal binding)	3920 mm	3920 mm	3920 mm
Feeding hopper cross section	2000 x 1000 mm	2000 x 1000 mm	2000 x 1000 mm
Dead weight approx.	45000 kg	45000 kg	46000 kg
Bale size (W x H)	1100 x 1100 mm	1100 x 1100 mm	1100 x 1100 mm
Bale weight* up to	800 kg	1000 kg	1200 kg
Binding**	5-fold vertically or 5-fold horizontally	5-fold vertically or 5-fold horizontally	5-fold vertically or 5-fold horizontally
Cycle time (empty)	16 sec	16 sec	16 sec
Idle speed capacity (theoretical)	680 m ³ /h	680 m ³ /h	680 m ³ /h
Throughput*** 35 kg/m ³ (cardboard)	15 t/h	17 t/h	19 t/h
Throughput*** 60 kg/m ³ (cardboard, paper)	25 t/h	28 t/h	32 t/h
Throughput*** 100 kg/m ³ (newspapers)	35 t/h	38 t/h	40 t/h
Specific press force	107.4 N/cm ²	124 N/cm ²	140.5 N/cm ²
Press force	1300 kN	1500 kN	1700 kN
Drive capacity	2 x 55 kW	2 x 55 kW	2 x 75 kW

* depending on bale length and material; ** optional with cross-binding: 5-fold vertically and 4-fold horizontally;

*** relating to apparent weight

Valid for all machine types

Adjustable bale length; Electricity: 3 x 400 V, N, PE/50 Hz

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