



Machines

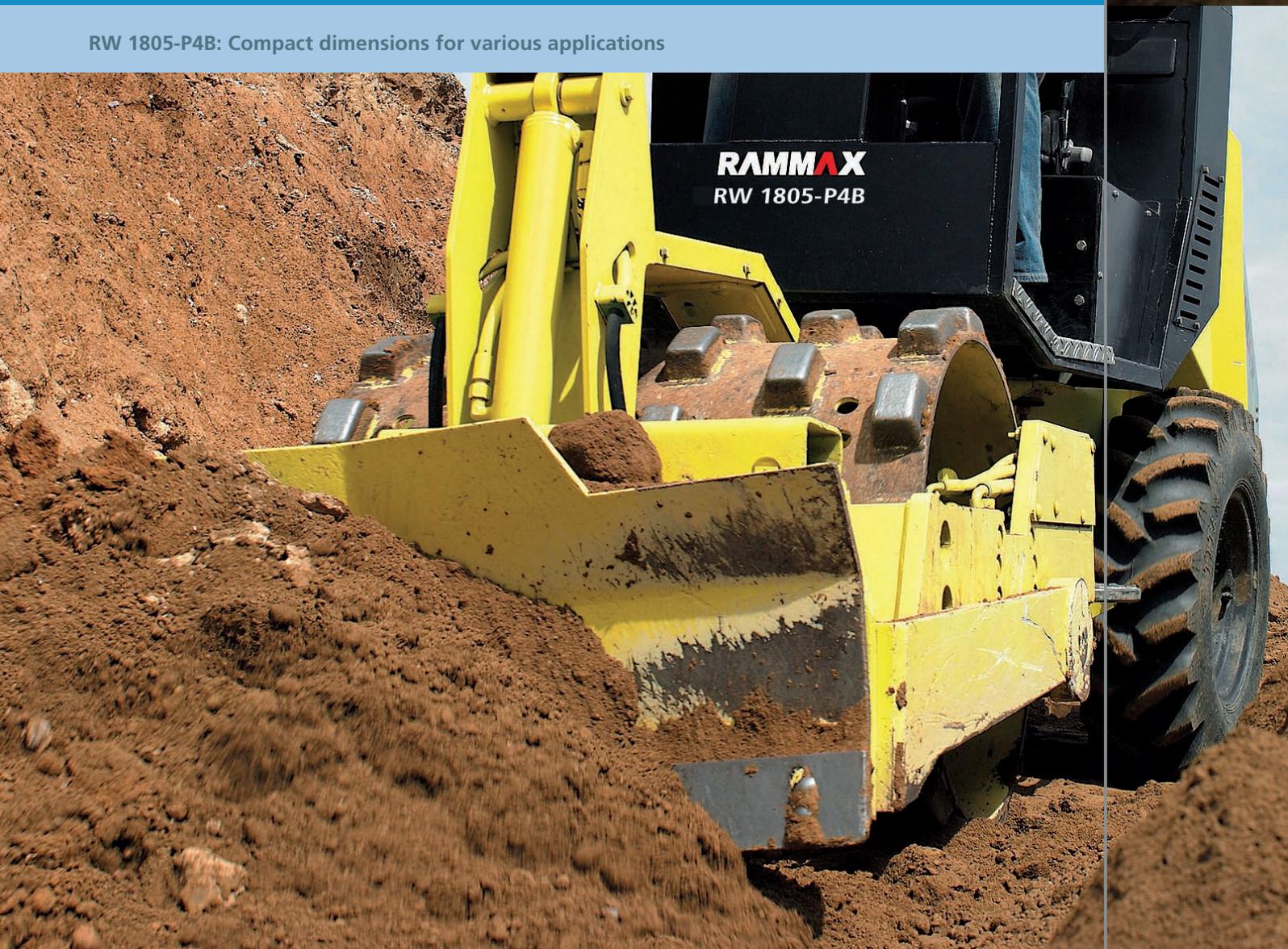
## Single Drum Rollers RW 1805 / 1815 / 3005 / 5005

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## RW 1805 and RW 1815

RW 1805-P4B: Compact dimensions for various applications





## Universal Compaction Applications

### The basic concept

- An articulated roller has to fulfil very different applications. Ideal compaction results need to be achieved in short time while considering different soil types, varying civil works and permanent changing labor. Therefore the demands of the customer on the equipment are enormous and very different.
- The objective during the development of our rollers was to take into consideration as many of the requirements as possible and to implement them in the series.
- Therefore these machines are available in different sizes and versions. This enables the customer to assemble a machine in accordance with his special requirements.
- With smooth or padfoot drum, with dozer blade or with the optional smooth drum segments, whereby the padfoot drum can be converted into a smooth drum.

### Dozer Blade

- Equipped with a hydraulic dozer blade, the roller can be used for backfilling and compaction work without additional earth moving equipment.
- In combination with the tilt function on the blade the machine is capable of preparing a perfect plane surface followed by compaction with the same machine.

### Individual

A roller, specially designed according to the wishes of the customer? This is not a great dream, this is reality with Rammax. The modular structure of our rollers allows the customer to arrange his machine individually according to his needs.

### Comfort

- Generously dimensioned drivers platform mounted on completely vibration-free bearings. This effectively eliminates the transmission of vibration and stress to the driver.
- One-hand operation of all blade and vibration functions.
- Clearly arranged cockpit and simple operation ensures effective utilization.



Modern, clearly arranged cockpit



Control lever



## RW 3005 and RW 5005

RW 3005: Universal machine for various applications  
RW 5005: Compact machine with high performance





## Overview of the machines

### RW 1805 / RW 1815

- The RW 1805 / RW 1815 uses enormous hydraulic power. Two separate pumps supply the hydraulic motors in the drum and the two wheel drives.
- The serial flow divider for the two rear wheels acts as a differential lock and it prevents the wheels from spinning.
- The compact dimensions of this machine allows its use for almost unlimited applications; such as in trenches, development areas or road construction.

### RW 3005 / 5005

- New hydraulic concept by the use of the „Twin-Lock“-system. This is a fully automatic traction management system with a completely mechanical mode of operation. In case of slip in one of the drive components, the torque is automatically and steplessly forwarded to the remaining drive systems.
- The machine only stops when both drive wheels and the drum are without traction. As a result a maximum gradeability is reached on any type of ground.
- The RW 5005 was developed on the basis of the RW 3005. Therefore we were able to realize an extremely compact roller compared to the weight class of the machine. Due to the small dimensions and the resulting agility the machine outstands also on smaller civil works with its maximum performance.

### Cabin

- Both RW 3005 and RW 5005 have ROPS driver platform as basic version. Optionally a closed cabin with heating, heatable rear window and front and rear working lights are available.

### Variable

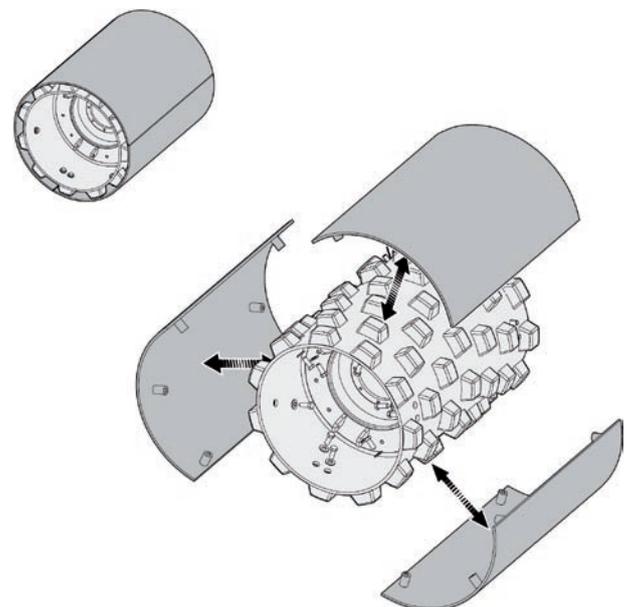
- The RW 3005-HD and RW 5005-HD are serially equipped with a variable compaction output. Hereby the machines can be used on any type of terrain, allows compaction above pipes and leaves an even surface

On the RW 5005-HD it is additionally possible to switch between the following two options:

- 1) Combination of low frequency with high amplitude and compaction force
- 2) Combination of high frequency with lower amplitude and compaction force

This enables the roller to be adapted to various soil types and fields of application.

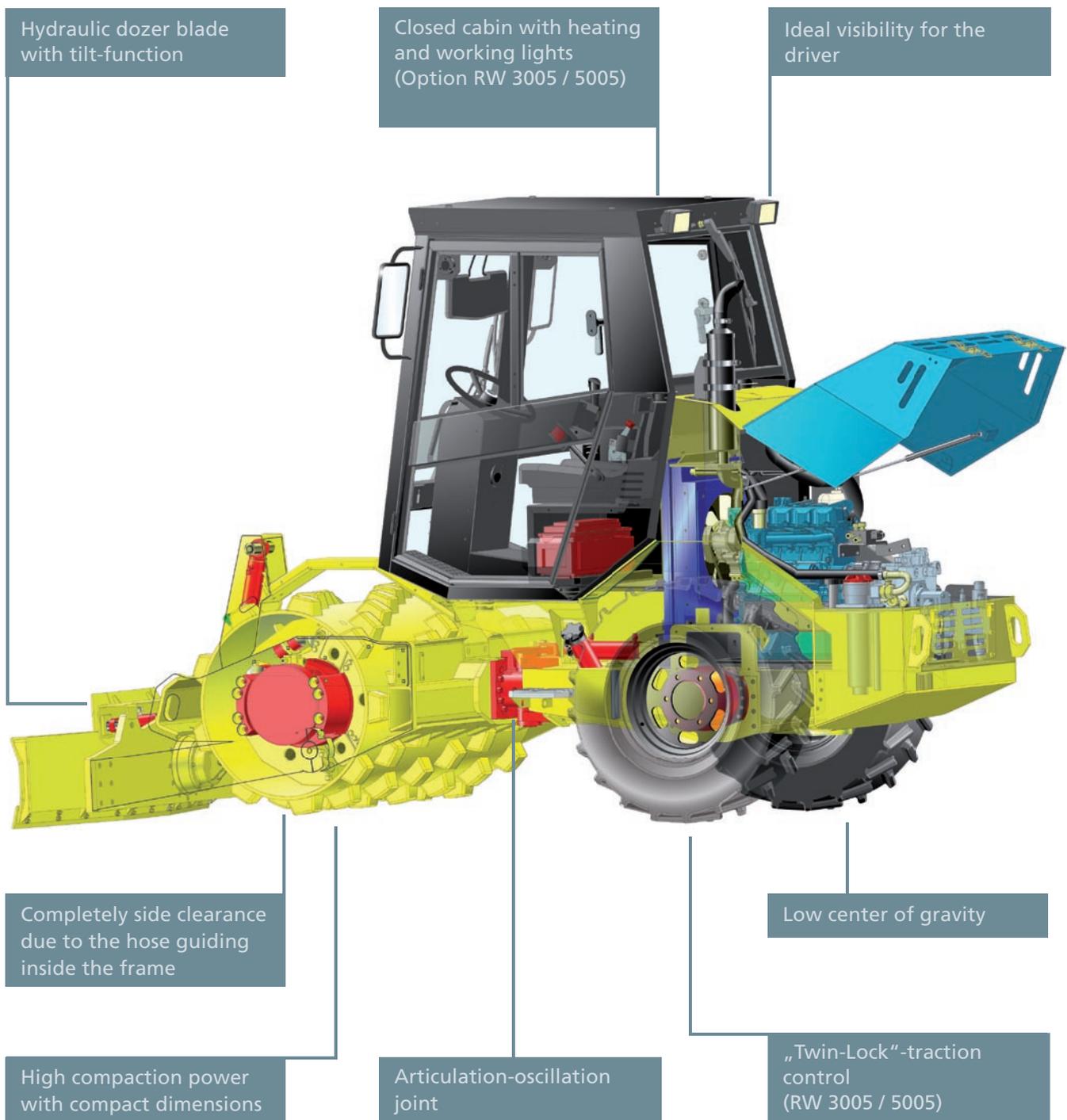
- On the RW 3005-HDP and RW 5005-HDP the setting of the rotating direction of the eccentric shaft can be switched. The gradeability and compaction output on slopes can be optimized with this function.



Optional smooth drum segments



## All Advantages at a Glance



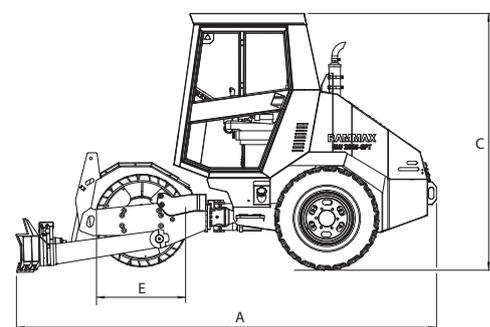
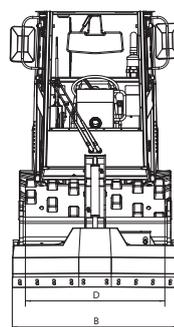


## Technical Data

		RW 1805 / 1815	RW 1805/1815 **P / P2B / P4B	RW 3005 *HD	RW 3005 *HDP / HDP4B	RW 5005	RW 5005 *HD / HDP
<b>Version</b>		Smooth drum	Pad-foot drum	Smooth drum	Pad-foot drum	Smooth drum	Smooth-/Pad-foot drum
<b>Working width</b>	mm	900/1200	900 /1200	1200	1200	1400	1400
<b>Weight</b>							
<b>Operating weight</b>	kg	2150/2250	2450/2550	3350	3900	4800	4800
<b>Front axle load</b>	kg	1010/1100	1310/1400	1750	2150	2600	2600
<b>Rear axle load</b>	kg	1140/1150	1140/1150	1600	1750	2200	2200
<b>Static line load</b>	kg/cm	11,2 (1805)	14,5 (1805)	14,6	17,9	18,6	18,6
<b>Dynamic line load</b>	kg/cm	72 (1805)	72 (1805)	70,8/24,2	70,8	60,7	71,4
<b>Engine</b>							
<b>Manufacturer / Type</b>		Lombardini LDW 1603	Lombardini LDW 1603	Kubota V 2203	Kubota V 2203	Kubota V 2203	Kubota V 3600
<b>Power</b>	kW/PS	30/41	30/41	36,4/50	36,4/50	36,4/50	52,6/72
<b>At rpm</b>		3000	3000	3000	3000	3000	2650
<b>Number of cylinders / cooling</b>		3/water cooled	3/water cooled	4/water cooled	4/water cooled	4/water cooled	4/water cooled
<b>Drive system</b>		hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic
<b>Vibration system</b>							
<b>Centrifugal force</b>	kN	65	65	85 / 29	85	85	100/50 - 100 (HDS)
<b>Amplitude</b>	mm	1,8	1,8	1,6 / 0,9	1,8	1,8	1,8/0,8 - 1,8 (HDS)
<b>Frequency</b>	Hz	42	42	34	34	34	34/41 - 34 (HDS)
<b>Drive system</b>		hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic
<b>Filling capacities</b>							
<b>Fuel</b>	l	54	54	64	64	64	64
<b>Hydraulic oil</b>	l	90	90	140	140	140	140
<b>Driving qualities</b>							
<b>Speed (continuous variable)</b>		0 - 7	0 - 7	0 - 7	0 - 7	0-9	0-9
<b>Steering</b>		articulation	articulation	articulation	articulation	articulation	articulation
<b>Articulation angle</b>	+/- °	30	30	30	30	30	30
<b>Gradeability w / w/o vibration</b>	%	55	55	45	55	30	45/50
<b>Dimensions</b>							
<b>A (total length)</b>	mm	3140	3660	3500	3500 / 4010	4030	4030
<b>B (total width)</b>	mm	1100/1310	1160/1450	1300	1420	1540	1540
<b>C (total height)</b>	mm	2370	2370	2470	2470	2480	2480
<b>D (Drum width)</b>	mm	900/1200	900/1200	1200	1200	1400	1400
<b>E (Drum diameter)</b>	mm	790	790	890	890	1150	1150

Changes are subject to technical improvements.

- \*\* P Pad-foot drum  
 P2B Pad-foot drum and 2-way dozer blade  
 P4B Pad-foot drum und 4-way dozer blade
- \* HD Smooth drum with HD-Drive  
 HDP Pad-foot drum with HD-Drive  
 HDP4B Pad-foot drum with HD-Drive and 4-way dozer blade



**Ammann distribution companies:**

**Germany:**

Ammann Verdichtung GmbH  
D-53773 Hennef  
Tel +49 22 42 880 20  
Fax +49 22 42 88 02 59  
ammann@ammann-hennef.de

**RAMMAX Maschinenbau GmbH**

D-72555 Metzingen  
Tel +49 71 23 922 30  
Fax +49 71 23 92 23 50  
rammax@ammann-group.com

**France:**

Ammann France SA  
F-94046 Créteil/Cedex  
Tel +33 1 45 17 08 88  
Fax +33 1 45 17 08 90  
contact@ammann.fr

**United Kingdom:**

Ammann Equipment Ltd.  
Bearley Stratford-upon-Avon  
GB-Warwickshire, CV37 OTY  
Tel +44 1789 414 525  
Fax +44 1789 414 495  
sales@ammann.co.uk

**USA:**

Ammann America Inc.  
Ponte Vedra, Florida 32082, USA  
Tel +1 904 543 1691  
Fax +1 904 543 1781  
info@ammann-america.com

**Poland:**

Ammann Polska sp.zo.o.  
02-230 Warszawa  
Tel +48 22 33 77 900  
Fax +48 22 33 77 929  
ammann@ammann.com.pl

**Ammann manufacturing companies:**

**Switzerland:**

Ammann Schweiz AG  
CH-4901 Langenthal  
Tel +41 62 916 63 56  
Fax +41 62 916 64 03  
info@ammann-group.com

**Germany:**

Ammann Verdichtung GmbH  
D-53773 Hennef  
Tel +49 22 42 880 20  
Fax +49 22 42 88 02 59  
ammann@ammann-hennef.de

**RAMMAX Maschinenbau GmbH**

D-72555 Metzingen  
Tel +49 71 23 922 30  
Fax +49 71 23 92 23 50  
rammax@ammann-group.com

**Czech Republic:**

Ammann Czech Republic a.s.  
CZ-54901 Nové Město nad Metují  
Tel +420 491 476 111  
Fax +420 491 470 405  
info@ammann-group.cz