

sigma 4



The perfection of the detail A winning choice

"When a company is fully committed to ensure the highest quality to all single components, quality is fully perceived as real by customers"

The passion of the worker, the care for the detail and a constant update of manufacturing technologies make **SIGMA 4** one of the leading companies in the field of front end loader manufacturers and an ideal partner for those customers who want to go hand in hand with a modern, innovative, constantly updated and market oriented company.

SIGMA 4 for everybody The right answer to meet all demands

SIGMA 4, thanks to the long experience and *know-how*, is able to meet all demands in terms of front end loaders. We have individual solutions to cover all tractors and tractor sizes produced by the Major Manufacturers.

A fully qualified "*R&D*" department is constantly working to ensure the update of the range and the development of solutions meeting demands coming from the most professional users.

These are our key concepts: **Adaptability, Reliability, Ease of Fitting.**



visual design: www.marebentand.com
photo: Nazario Spadoni

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Design and/or specifications are subject to change without notification.

Front loaders

PC 830 - PC 910





Single lever Joystick

Hydraulics

Single lever Joystick

The single lever Joystick allows the operator to control, in an easy and precise way, all functions of the front loader. The lever is also provided with a safety system meant to prevent accidental movements.



Single lever Joystick (with optional selector 3rd services)

Optional electric push-buttons allow the operator to control electro-hydraulic selectors for the operation of implements with additional hydraulic services.



3rd services

It allows the use of implements with additional hydraulic requirements.



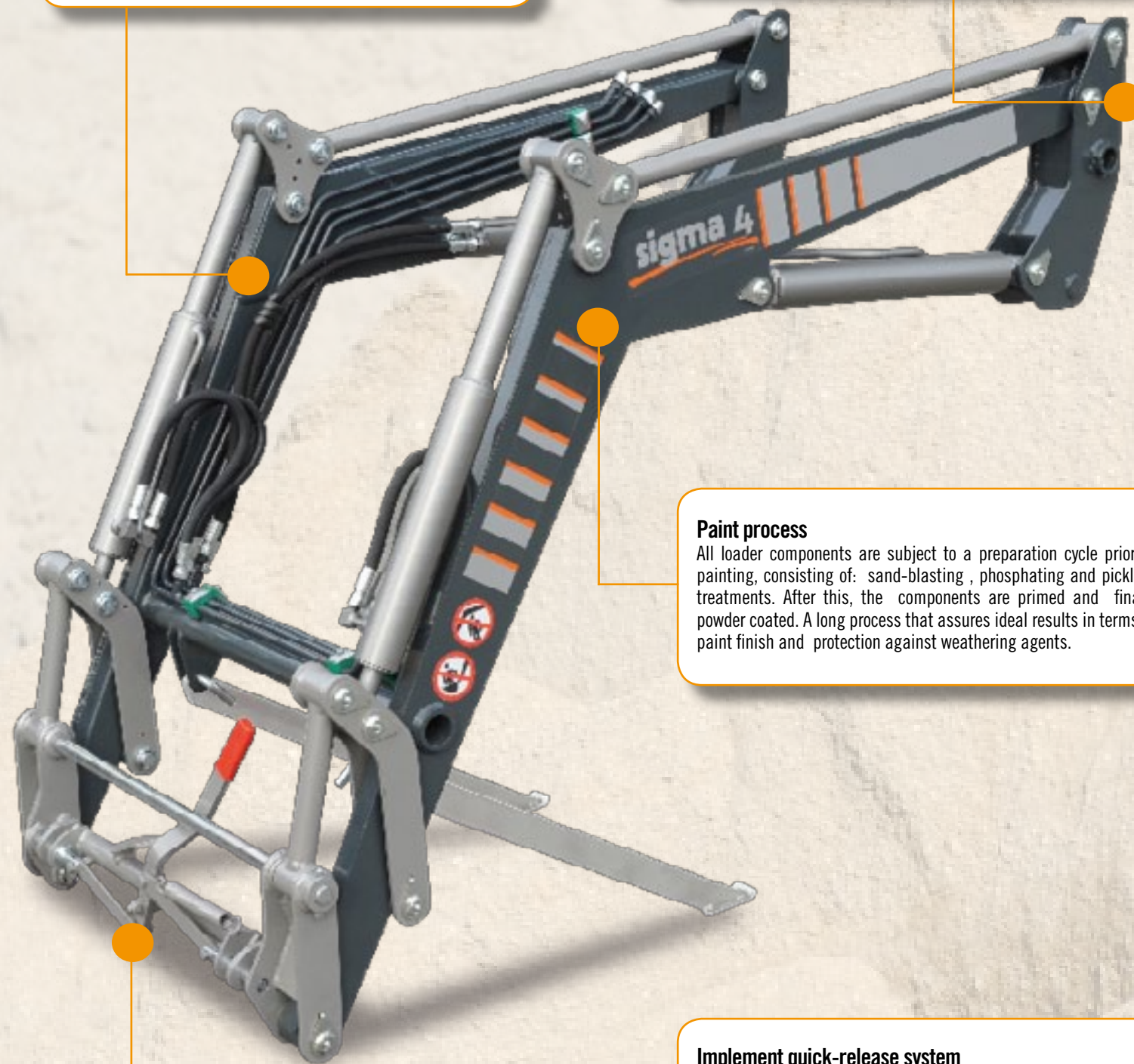
Boom section

For the PC series, the section of the boom is formed by an integral metal sheet in the outer area and a C profile in the inner area, an ideal solution in terms of great strength and overall lightness.



Loader quick-release system

Innovative loader/tractor quick-release system allowing the fitting/unfitting operation of the loader in few seconds. The hitching/unhitching is easily performed by means of 4 quick pins.



Paint process

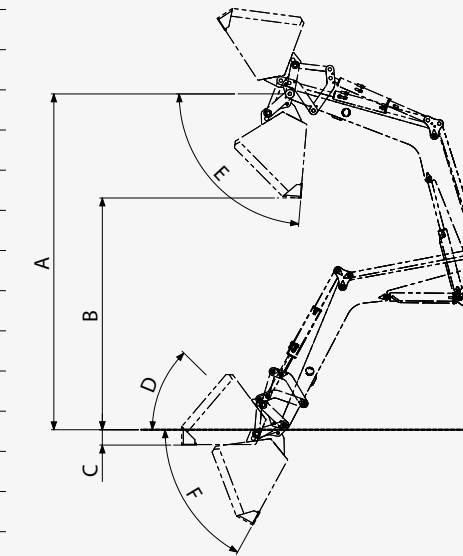
All loader components are subject to a preparation cycle prior to painting, consisting of: sand-blasting, phosphating and pickling treatments. After this, the components are primed and finally powder coated. A long process that assures ideal results in terms of paint finish and protection against weathering agents.

Implement quick-release system

This system is designed to allow the easy and quick change of implements.

TECHNICAL DATA

		PC 830	PC 910
Lifting force at 180 bar			
with bucket on ground	Kg	650	650
tear out force at bucket tooth	Kg	700	700
Max. lifting height			
at pivoting point	A mm	2550	2200
with tilted bucket	B mm	1800	1500
Angles			
tilting bucket on ground	D °	45°	45°
Bucket dump angle at full height	E °	85°	85°
bucket unloading	F °	60°	60°
Digging depth	C mm	80°	80°
Working duration L / 1' = 40			
Lifting at max. height	"	5	5
Bucket tilting	"	4	4
Weights			
Without implement and fitting brackets	Kg	180	170



IMPLEMENTS

for
PC 830 - PC 910

Earth bucket

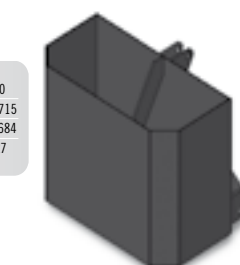


	1300	1500*
Width (mm)	1300	1500*
Length x height (mm)	735x30	95
Weight (Kg)	84	95
Capacity SAE (m³)	0,26	0,30

*only for PC 910

Counter weight box

Width (mm)	900
Length x height (mm)	604x715
Weight (Kg)	137/684
Capacity SAE (m³)	0,27



Round bale fork

Length x height (mm)	1050x1200
Length with tines in work. pos. (mm)	1450
Length with tines in folded pos. (mm)	220
Weight (Kg)	90
Max. loading capacity (Kg)	850



Manure fork

Width (mm)	1300	1500*
Length x height (mm)	930 x 565	
Weight (Kg)	91	99
No of tines	6	7



*only for PC 910

Pallet fork

Width x height x Length (mm)	1200x400x1140
Max. loading capacity (Kg)	1000
Weight (Kg)	150



Subframes

Subframes are a significant achievement for SIGMA 4 and a reference for everybody in the industry. They are connected to the tractor main frame in 3 points (front axle, bell-housing/gearbox area, rear axle) for an ideal distribution of loads, a solution that offers the best in terms of rigidity and ruggedness of the unit, for unsurpassed performance. Every tractor has a proper mounting subframe. Particular care is also put in the design of mounting solutions for full accessibility to tractor for standard service operations, without having to remove any parts. Steering angles are not impaired and full compatibility is assured with mudguards, front linkages, different types of pick-up hitches and cabs.

