1880

WEIDEMANN

The flexible powerhouse.

Optional with operator's canopy or cab.

Our most powerful Hoftrac®.

The new 1880 is the link between the small, multifunctional Hoftracs® and powerful wheel loaders.
It marries manoeuvrability, dependability and flexibility with enormous lifting and shearing forces. Combined with the latest engine technology, which meets the requirements of the level IIIB emission standard (tier IV interim), this machine is ideally equipped for the future.

Air-conditioning system: Working in the summer is now even more pleasant. Using the optional air-conditioning system, you won't break into a sweat even at high temperatures.

Change tools without dismounting.
The optional hydraulically activated lock makes your job easier and your Weidemann exceptionally versatile and flexible. It can be modified to meet new tasks in a matter of seconds.

Spacious cab. The spacious cab offers plenty of headroom and mobility. This frees the driver to concentrate fully on essentials and also work comfortably and safely under the toughest conditions.

Standard rear window.
With the rear window made of safety glass, you're better protected against rain, wind and exhaust fumes.

Optional windscreen. Additional protection in front against the effects of weather and dust contamination.

Laterally tiltable driver's cabin or cab. Easy access to the engine, hydraulic and electrical systems facilitate inspection and maintenance for you.

New engine technology

Since 1990, there are specific emission regulations in Europe for non-road and mobile work machines whose five-part phased plan provides for a gradual reduction of engine emissions for each different performance range or category. The steps to reduce emissions are referred to in Europe as stages (I, II, IIIA, IIIB, IV) and in the U.S. as tiers (1, 2, 3, 4 interim and 4 final). Each level has a maximum permissible limit for pollutants: The engine in the 1880 complies with level IIIA. The optionally available level IIIB engine has the following features:

- Exhaust after-treatment in the form of a particulate filter

- Additional optimisation of the cooling capacity

- Reduction in fuel consumption by around 5 %

Everything in one hand.

The joystick here becomes an all-rounder and the machine is even more operator-friendly. In addition to the function of the 3rd control circuit, which can be activated on the multifunction lever, even more functionalities have newly been added. For one, the 3rd control circuit now can also be operated proportionally. The function of the 4th control circuit can also be operated from the joystick.

Track down errors with wedias.

On the new 1880, with the help of the Weidemann Diagnosis and Analysis System wedias, many functions, including the drive function, the 3rd and 4th control circuit, the engine data and electrical functions, can be analysed quickly and clearly.

The Weidemann Diagnosis and Analysis System

wedias

The backbone of the Weidemann design.
The legendary articulated pendulum joint.

Weidemann wheel loaders always stand with all four wheels planted firmly on the ground – in every situation, on any terrain. And because the front and rear carriage can oscillate independently of each other, they react sensitively to every unevenness. The benefits: You always drive with maximum traction and no power is wasted.

TECHNICAL DATA	1880 operator's canopy	1880 cab
ENGINE DATA		
Standard		
Engine type	404D-22	404D-22
Engine output max. kW / hp	36.3 / 50	36.3 / 50
Optional		
Engine type	404F-22T	404F-22T
Engine output max. kW / hp	44.7 / 60	44.7 / 60
WEIGHTS		
Operating weight (standard) kg	3,400	3,400
Tipping load with bucket – machine straight (according to ISO 14397) kg	2,086	2,289
Tipping load with pallet fork – machine straight (according to ISO 14397) kg	1,731	1,907
VEHICLE DATA		
Fuel tank capacity l	65	65
Hydraulic oil tank capacity l	35	35
HYDRAULIC SYSTEM		
Traction hydraulics – working pressure bar	450	450
Work hydraulics – discharge volume (optional) l/min	56 (63-100)	56 (63-100)
Work hydraulics – working pressure bar	210	210
DIMENSIONS		
Height mm	2,336	2,346
Total width mm	1,214	1,214
Total length mm	4,715	4,715
Max. height of bucket pivotal point mm	3,203	3,203
Internal radius mm	1,831	1,831
Articulation angle °	45	45
Standard tyres	10.0/75-15AS ET- 5	10.0/75-15AS ET- 5

More information at: www.weidemann.de

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