

1390



**WEIDEMANN**  
*designed for work*



## **Next Generation.**

The multi-functional Hoftrac® 1390.

# A model of success enters the next phase!

With the 13th series, Weidemann has been successful on the market for many years in the agricultural and equestrian, municipal and commercial/industrial sectors. The models were always being reworked by us, resulting most recently in the Model 1380 with a remarkably high variety of configurations, which we have expanded even further in the new model for the sake of versatility. Now, the successful model has undergone a relaunch due to the engine conversion to exhaust emission standard V and has been fundamentally reworked. With respect to, for example, motorization, axles and hydraulic output, the performance of the new Hoftrac® 1390 can be very well-tuned to its respective work tasks. With our new electronically regulated traction drive, ecDrive, you will experience new possibilities for application and a completely new feeling while driving. The excellent spaciousness of the driver's cab and cabin are now unique in this size class. You can look forward to a completely new model that will make you simply even more productive!

**Variety of equipment.** The Weidemann Hoftracs® come with comprehensive standard equipment. Moreover, you can individually configure e.g. engine, drive, hydraulics or tires depending on your purpose and preferences. Your Weidemann is always custom-made.

**Trailer operation.** With the optional trailer coupling, the 1390 can pull a trailer of up to 3.5 t gross weight. An automatic or ball head K50 trailer coupling is available. The option of pulling a trailer expands the machine's spectrum of application and offers more flexibility in application, as no additional towing vehicle is required.

**Choose a driver's cab.** A fixed overhead guard, the foldable overhead guard eps and a cabin are available. The selection of the right driver's cab allows maximum flexibility for different applications and boundary conditions.

**A multitool for many applications.** Whether it's loading, stacking, pushing material, sweeping, mowing or transporting: thanks to the enormous variety of different attachments, your Weidemann can be a multitool for universal application.

**High-performance hydraulics.** The 1390 can be optionally equipped with high-flow high- performance hydraulics. This allows operating front attachments with a high oil requirement (such as, e.g. a snow blower).

**Good service accessibility.** The driver's cab or cabin can be tipped to the side. This allows uncomplicated access to the engine, hydraulic system and electrics. This greatly simplifies the monitoring and maintenance of the machine. The arrangement of components in the inner machine has been further optimized.

## Electronically regulated traction drive – Weidemann ecDrive.

With the new electronically regulated traction drive ecDrive (Electronic Controlled Drive), the machine can be driven and used completely according to your needs. Four different drive modes were specially implemented for this by Weidemann. Both the following drive modes are included as standard:

- **Auto-Mode:** ensures the usual 100% performance of the machine.
- **Eco-Mode:** after reaching the required driving speed, the engine speed is lowered to 2,200 rpm to enable noise reduction as well as fuel savings.

Both other drive modes were specially conceived for the application of hydraulically operated attachments or the optimized design of the loading cycle. For this, one of the following drive modes can be optionally selected:

- **Attachment mode:** this mode perfectly supports the use of attachments. Here, the engine speed of the diesel engine is set with the hand throttle and the driving speed is regulated with the gas pedal or cruise control. Using this, speeds can be set very precisely in increments of 0.10 km/h via the display. This guarantees a constant feed for the attachment. If the load is too high on the attachment (e.g. cut material of various kinds in front of a mulcher), the machine automatically reduces the speed in order to make the highest possible performance available to the attachment. If the load is removed, the machine returns to the speed previously set. This involves a cruise control function. If, however, driving or reversing movements need to be performed more quickly, operating the foot pedal at any time will override this and the machine can be run at maximum speed.
- **M-Drive mode:** this mode is the right choice for the optimum performance of loading cycles. Here, the engine speed of the diesel engine is set with the hand throttle and the driving speed is controlled with the gas pedal or control pressure. This way, inching is unnecessary and performing quick loading cycles is supported.



With its very generous space, the new comfort cabin of the 1390 sets the trend in the Hoftrac® segment. It has been optimized for the needs of the operator, offers many new features and allows working safely and comfortably:

- 4-pillar design and panoramic rear window for the best all-round visibility.
- Optional one-piece doors or two-piece doors with adjustable window, gap ventilation possible.

- Cabin suspension with hydro mounts gives the operator ideal protection against vibrations and impacts.
- Optimized entry with anti-slip steps ensure safe entry and exit.
- “Coming-home” lighting increases safety in the dark.
- New interior: color-coded operating concept and ergonomically arranged display allow working safely and comfortably.

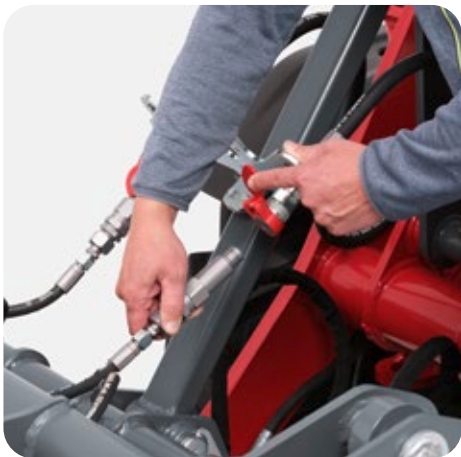
- Adjustable height and inclination on the steering wheel make it possible for every operator to work ergonomically.
- Multifunction joystick with many functions, familiar from larger wheel loaders.
- Heater and ventilation with optimized air-circulation. Optional: high-performance air-conditioning.
- Radio, USB connection, cellphone bracket, drink holder and various stowage compartments.







**Comprehensive lighting package.**  
The lighting can be adapted for different requirements: standard lighting (halogen), lighting in accordance with StVZO (halogen or LED), LED lighting package work lights (1,000 or 2,000 lumen) on the driver's cab or cabin. This allows working with the machine adjusted to the individual, even in the dark. A well-lit work area increases work safety and lets the operator work even longer with the machine, fatigue-free.



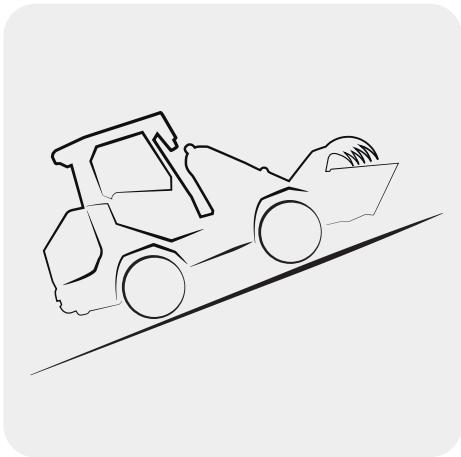
**Flat-face hydraulic couplings.**  
The flat-face hydraulic couplings installed as standard can be cleaned easily, ensuring less soiling in the entire hydraulic system. When the hydraulic hoses are coupled, hardly any leaking occurs, keeping hands, the machine, the attachment, and the ground clean. With the flat-face hydraulic couplings, attachments can be coupled even underpressure, which saves time. All coupling types are mounted on the same bulkhead and are thus easily accessible.



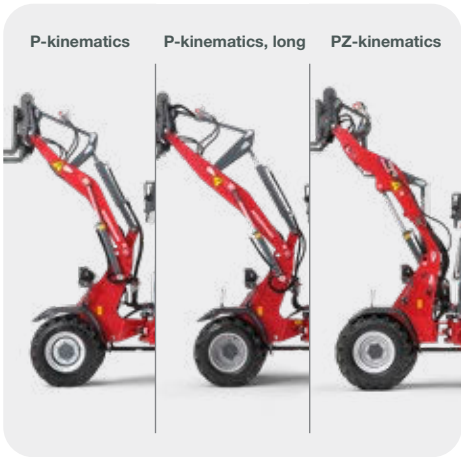
**The right engine for your purposes.**  
The 1390's basic engine has an output of 18.4 kW / 25 hp. The great advantage here is that it complies with exhaust emission standard V and thus manages completely without exhaust gas aftertreatment. This motorization is thus ideally suited for end users who require somewhat fewer operating hours from their machine. An engine with 33.3 kW / 45 hp or 40.1 kW / 54.5 hp is optionally available. Here, exhaust emission standard V is implemented by installing a diesel particulate filter (DPF) in combination with a diesel oxidation catalyst (DOC). With this technology, there is no need to add urea solution (DEF). The overall engine unit comes from Yanmar including the exhaust gas aftertreatment, ensuring that all components are tuned to each other perfectly. The machine regenerates automatically at the appropriate operating temperature.



**Pressure release, 3rd control circuit.**  
For coupling and decoupling hydraulically operated attachments, the Hoftrac® 1390 offers a special feature: the pressure-release button for the 3rd control circuit is easily accessible on the loader unit. This way, the various attachments can be changed more quickly and efficiently. This also works with the ignition switched on or the engine running.



**Electric parking brake.**  
The new electric parking brake offers an auto-hold as well as a hill-hold function. The brake is automatically applied when the machine is stationary, the travel direction is set to neutral, or the operator leaves the seat. Similarly, the parking brake is automatically released when the machine is set in motion via the gas pedal. The brake can of course also be activated or deactivated manually by actuating the switch.



**Perfectly tuned kinematics.**  
For all machines, Weidemann offers the kinematics suited to the machine size. P-kinematics are standard for the 1390, impressive with precise parallel guidance over the entire stroke range. Also, a version of the P-kinematics designed longer, which increases lifting height by 20 cm, is optionally available. P-Z kinematics, a combination of P-kinematics and Z-kinematics, is also optionally available. It allows considerable lifting and tearing forces and also has a fine-tuned parallel guidance.



Technical data and dimensions.	
<b>ENGINE DATA</b>	<b>1390</b>
Engine manufacturer	Yanmar
Engine type	3TNV80FT
Cylinder	3
Engine output max. kW/hp	18.4 / 25
At max. engine speed rpm	2,600
Capacity cm³	1,226
Exhaust emission standard	V
Exhaust gas aftertreatment	-
<b>ENGINE DATA OPTIONAL</b>	
Engine manufacturer	Yanmar
Engine type	3TNV86CHT
Cylinder	3
Engine output max. kW/hp	33.3 / 45.3 (40.1 / 54.5)
At max. engine speed rpm	2,600
Capacity cm³	1,568
Exhaust emission standard	V
Exhaust gas aftertreatment	DOC/DPF
<b>WEIGHTS</b>	
Operating weight (standard) kg	3,000
Tipping load with bucket - machine upright kg	1,610 - 2,100
Tipping load with bucket - machine angled kg	1,340 - 1,790
Tipping load with pallet fork - machine upright kg	1,560 - 1,950
Tipping load with pallet fork - machine angled kg	1,310 - 1,680
<b>VEHICLE DATA</b>	
Driving speed (optional) km/h	0 - 20 (30)
Tank capacity, fuel l	50
Tank capacity, hydraulic oil l	30
<b>HYDRAULIC SYSTEM</b>	
Hydraulic driving working pressure bar (optional)	380 (450)
Working hydraulics discharge volume l/min (optional)	41.6 (49.5 - 84)
Working hydraulics working pressure bar	210
<b>DIMENSIONS</b>	
Standard tyres	10.0/75-15.3 AS ET40
Overall length incl. bucket mm	4,470 - 4,820
Height mm	2,320 - 2,340
Max. height, pivot pin mm	3,004 - 3,200
Overall width mm	1,124
Inner radius mm	1,520 - 1,810



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## The Weidemann product range.



### The multi-function Hoftracs®.

Powerful helpers for every purpose.  
Our innovation: the fully electrically  
operated 1160 eHoftrac®.



### The powerful wheel loaders.

Optionally with loading arm or telescopic arm.



### The compact telehandlers.

Get to the top with optimum stability.



### Attachments and tyres.

Your Weidemann machine can be  
a multitool! For every task, the optimum  
attachment and the suitable tyres.



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