

# 1190e Hoftrac



**WEIDEMANN**  
*designed for work*



## 1190e Technical specifications

### Engine data

#### Electric motor

Motor Travel hydraulics	6.5 kW
Engine working hydraulics	8.5 kW

#### Battery Standard

Battery manufacturer	Wamtechnik
Battery type	Lithium-ion
Battery voltage	48 V
Battery capacity (gross)	14.1 kWh
Battery weight	132 kg
Emissions standard level	emission-free

Charging time	4 - 6* h
Best possible charging time (from 20% to 90%)	4* h
Running time (uninterrupted)	up to 3.27** h
<b>Battery Optional</b>	
Battery manufacturer	Wamtechnik
Battery type	Lithium-ion
Battery voltage	48 V
Battery capacity (gross)	18.7 kWh
Battery weight	148 kg
Emissions standard level	emission-free
Charging time	3 - 8* h
Best possible charging time (from 20% to 90%)	2.5* h
Running time (uninterrupted)	up to 5.07** h
<b>Battery Optional</b>	
Battery manufacturer	Wamtechnik
Battery type	Lithium-ion
Battery voltage	48 V
Battery capacity (gross)	23.4 kWh
Battery weight	165 kg
Emissions standard level	emission-free
Charging time	4 - 10* h
Best possible charging time (from 20% to 90%)	3.5* h
Running time (uninterrupted)	up to 7.30** h
<b>Electrical system</b>	
Operating voltage	12 V
<b>Weights</b>	
Operating weight (standard)	2170 - 2350 kg
Tipping load with bucket - machine straight	1550-1620 kg
Tipping load with bucket - machine articulated	1210-1320 kg
Tipping load with pallet fork - machine straight	1110-1160 kg
Tipping load with pallet fork - machine articulated	860-940 kg
<b>Vehicle data</b>	
Axle	T80
Cab (optional)	FSD (eps, cabin)
Ground speed	15 km/h
Speed stages	1
Hydraulic oil tank capacity	20 l
<b>Hydraulic system</b>	
Steering hydraulics - Oil flow	32 l/min
Steering hydraulics - Operating pressure	225 bar
<b>Drive</b>	

Type of drive	electric
Traction drive	Universal joint shaft
<b>Noise values</b>	
Average sound power level LwA	85 dB(A)
Guaranteed sound power level LwA	87 dB(A)
Specified sound pressure level LpA	75 dB(A)

\*The charging time is dependent on the different charging options. On-board charger 3 kW (standard) with additional on-board charger, total 6 kW (option). The following charging plugs are available: 230 V / 10 A earth, 230 V / 16 A CEE (blue, 3-pin), 400 V / 16 A CEE (red, three-phase, 5-pin), 400 V / 16 A (type 2 plug wall box, IEC 62196) and other adapter plugs.

\*\*The running times of the battery are dependent on the respective application conditions, the work task and the manner of driving. This can also mean that a longer running time can also be achieved. The specified running times can also be fallen short of in extreme cases. The specified running times relate to uninterrupted operation and work with the machine.

Tipping load calculation according to ISO 14397

FSD = overhead guard

eps = Easy Protection System (fold-down operator's canopy)

Vibrations (weighted average effective value)

**Hand-arm vibrations:** The hand-arm vibrations are no more than 2.5 m/s<sup>2</sup>

**Whole-body vibrations:** This machine is equipped with an operator's seat that meets the requirements of EN ISO 7096:2000.

When the loader is used in accordance with the intended purpose, the whole-body vibrations vary from below 0.5 m/s<sup>2</sup> up to a short-term maximum value.

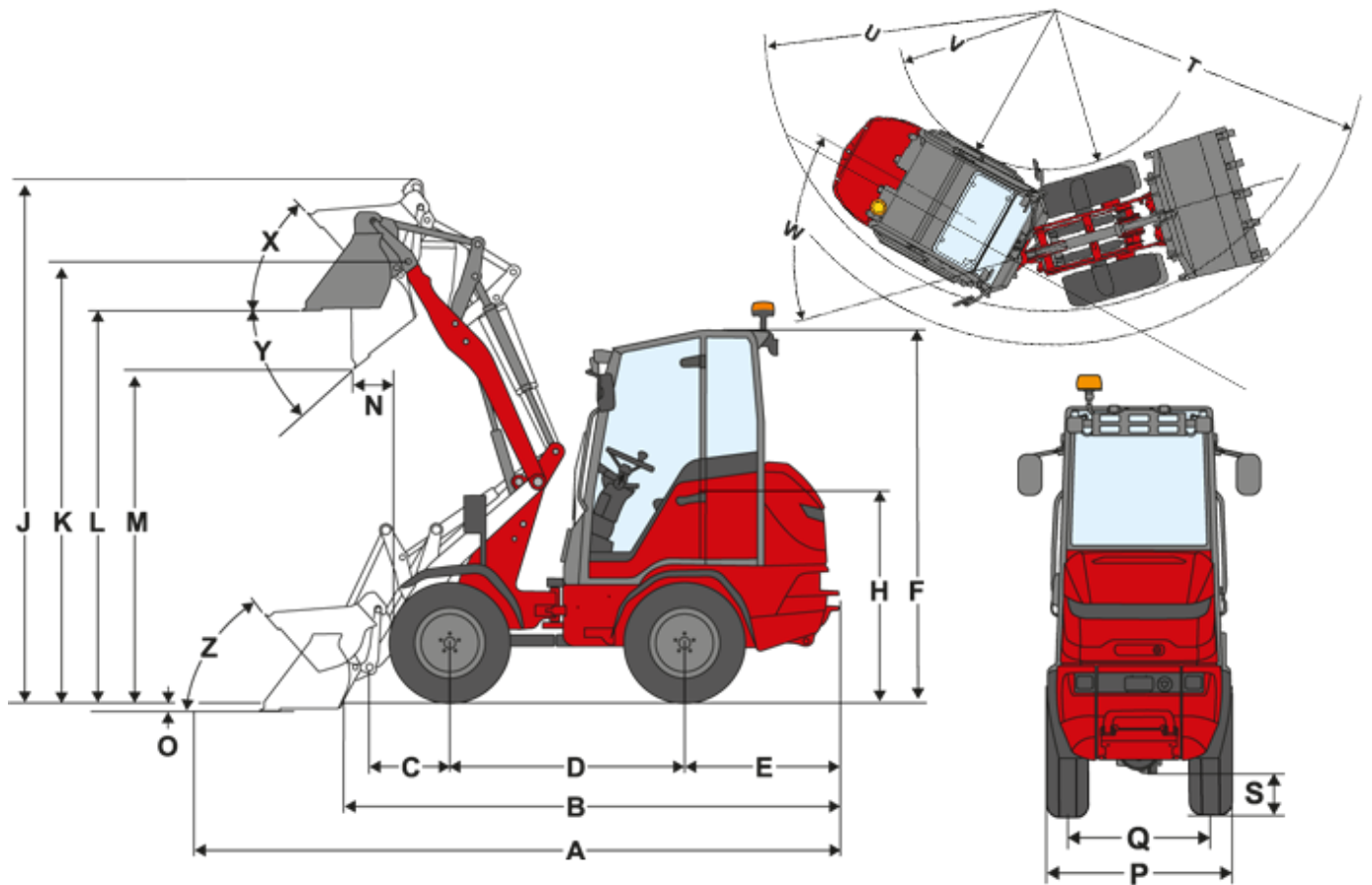
It is recommended to use the values specified in the table when calculating the vibration values according to ISO/TR 25398:2006. At the same time, the actual use conditions have to be taken into consideration.

Telehandlers, like wheel loaders, are to be classified by operating weight.

Type of loader	Typical operating conditions	Mean value			Standard deviation (s)		
		1.4*a <sub>w,eqx</sub> [m/s <sup>2</sup> ]	1.4*a <sub>w,eqy</sub> [m/s <sup>2</sup> ]	a <sub>w,eqz</sub> [m/s <sup>2</sup> ]	1.4*s <sub>x</sub> [m/s <sup>2</sup> ]	1.4*s <sub>y</sub> [m/s <sup>2</sup> ]	s <sub>z</sub> [m/s <sup>2</sup> ]
Compact wheel loader (Operating weight < 4500kg)	Load & carry (loading and transport work)	0.94	0.86	0.65	0.27	0.29	0.13
Wheel loader (Operating weight > 4500kg)	Load & carry (loading and transport work)	0.84	0.81	0.52	0.23	0.2	0.14
	Application in extraction (harsh application conditions)	1.27	0.97	0.81	0.47	0.31	0.47
	Delivery drive	0.76	0.91	0.49	0.33	0.35	0.17
	V-operation	0.99	0.84	0.54	0.29	0.32	0.14

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1190e Dimensions



Variant	Loading unit standard	Loading unit high lift height	
Standard tyres	255/75-15.3 StarcoAS-Du. ET-10	255/75-15.3 StarcoAS-Du. ET-10	
A	Total length	3,697 mm	3,897 mm
B	Total length (without bucket)	3,061 mm	3,256 mm
C	Axle middle to bucket pivot pin	509 mm	709 mm
D	Wheelbase	1,468 mm	1,468 mm
E	Rear overhang	971 mm	971 mm
F	Height to top of overhead guard fixed	2,289 mm	2,289 mm
	Height to top of overhead guard foldable (eps)	2,366 mm	2,366 mm
	Height to top of overhead guard foldable, folded (eps)	1,970 mm	1,970 mm
	Height to top of cabin	2,331 mm	2,331 mm
H	Seat top height	1,322 mm	1,322 mm
J	Total working height	3,278 mm	3,487 mm
K	Height of bucket pivot (max.)	2,740 mm	2,947 mm
L	Load-over height	2,466 mm	2,674 mm
M	Dumping height	2,047 mm	2,257 mm
N	Operating distance for M	265 mm	216 mm

O	Digging depth	53 mm	79 mm
P	Total width	1,080 mm	1,080 mm
Q	Track width	824 mm	824 mm
S	Ground clearance	249 mm	249 mm
T	Maximum radius external	2,645 mm	2,735 mm
U	Radius at the outer edge	2,379 mm	2,379 mm
V	Inside turning radius	1,205 mm	1,205 mm
W	Inclination angle	45 °	45 °
X	Rollback angle at max. lifting height	50 °	47 °
Y	Dumping angle (max.)	40 °	40 °
Z	Rollback angle (on the ground)	49 °	49 °

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### 1190e Standard components

#### Drive/battery

- Battery Li-ion 14.1 kWh 48V
- On-board charger up to 3 kW (AC)
- Shock-proof mains plug (earth) 230 V / 10 A
- Charge release switch

#### Electric motor drive

- 6.5 kW

#### Electric motor working hydraulics

- 8.5 kW

#### Steering system

- Hydraulic articulated pendulum steering
- 1 steering cylinder
- 12° oscillating angle

#### Drive/axles

- Axle: T80
- Electric drive, energy recovery with deceleration, travel direction selectable via joystick, auto/eco mode
- incl. battery pre-heating, charging time 20% to 90% SOC 4 hrs, charge release switch
- 15 km/h
- Speed stages: 1
- drum brake on all four wheels effective
- Electric parking brake with hill-hold function (in the event of a standstill on a hill, the electric motor holds the machine)

#### Driver's cab

- Overhead guard with retaining system ROPS/FOPS tested
- Generous space provision in all drivers' cabs
- Adjustable steering column
- Modern, ergonomically shaped joystick
- Generous entry
- Rear-view mirror, inside

#### Driver's seat

- Comfort seat with safety belt, fully suspended, weight, back and horizontal adjustment

#### Lighting

- LED work lights, 2 front, 1 rear on the overhead guard

#### Tyres

- 255/75 - 15.3 Starco AS Dumper II

#### Loader unit

- Load arm lift height 2740 mm; quickhitch facility (Weidemann HV/ HT - C ) hydraulic
- P-kinematics
- 2 lift cylinders
- 1 tipping cylinder

- Floating position for lift and tipping cylinders

#### Hydraulics

- Mechanical pilot-operated joystick with forward-reverse control switch
- 3rd control circuit, front, via level incl. latch

#### Other

- EquipCare 36 months (incl. App & Manager)
- Rear mounting plate standard

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### 1190e Options

#### Operator's cab/cab

- Fold-down overhead guard eps ROPS/FOPS tested
- Cab 2 one-piece doors, incl. heating
- Front windscreen incl. front windscreen wipers
- Faux-leather seat
- Faux-leather seat; air cushioned
- Faux leather seat; air cushioning; heated seat
- Fabric seat (standard for cab)
- Fabric seat
- Fabric seat; air cushioning
- Fabric seat; air cushioning; heated
- Rear-view mirror (left and right)
- Cab heating comfort
- Roof heating panel
- Radio-ready DAB+ (aerial, speaker)
- Radio DAB+ complete
- Output 3-pin 12V

#### Lighting

- Lighting according to Road Traffic Regulations (StVZO)
- LED lighting according to Road Traffic Regulations (StVZO) (width of the exterior lighting: 1050 mm)
- LED Performance working lights (2000 lm) on overhead guard, 2 at the front, 2 at the rear
- Rotating LED beacon (yellow)
- Rotating beacon (yellow) with magnetic foot

#### Approval for road use

- Individual operating permit < 25 km/h
- Front and rear licence plate bracket
- Triangular warning plate

#### Tyres

- 400/50-15 StarcoAS-Dump. ET-50
- 240/70R16 Petlas TA110 ET22
- 31x15.5-15 BKT SkidPower ET-60
- 400/50-15 StarcoTurf Tech ET-50
- 260/70R16.5 Michelin BibSteel ET-60
- 315/55 R16 Continental MPT81 ET-30
- Tyres turned

#### Loader unit

- High lifting height (2947 mm)
- Weidemann HV/HT - C - ECS (hydraulic - Easy Coupler System)
- Euro (hydraulic - ISO23206 EURO HV) (incl. two couplings SVK Gr. 3)
- SkidSteer (hydraulic - SAEJ2513 SSL HV)
- SMS HV (hydraulic)
- Lowering brake valve (hose burst valve for lift and tipping cylinders)
- Bucket status display



## Hydraulics

- Oil volume adjustment 3rd control circuit
- Panolin HLP Synt46 (bio-hydraulic fluid (oil))

## Hydraulics in front

- 3rd comfort control circuit, including single latch on lever for 3rd control circuit (operation: via joystick touch buttons + tip in and tip out)
- Unpressurised return line (1 x flat face Gr.3, plug) including overflow oil line (1 x flat face Gr. 2, plug)

## Hydraulics at rear

- Hydraulic connection at rear (dual acting) via reversing valve (two SVK couplings Gr. 3), 3rd control unit front or rear, operation: via switch (0 - 1) + 3rd control circuit
- Unpressurised rear return line (1x SVK Gr. 3, plug)

## Electrical system

- Battery Li-ion 18.7 kWh 48V
- Battery Li-ion 23.4 kWh 48V
- On-board charger up to 6 kW (AC)
- CEE, 3-pin 230V/16A (blue)
- CEE, 5-pin 400V/16A (red)
- Type 2 (IEC 62196)
- Adapter set EU
- Mains plug type G - UK
- Charge release lockable

## Electrics front

- Socket front 13-pole (2x electrical functions E1/E2 and lighting), operation: Via 2 touch buttons on joystick; 1st function momentary, 2nd function latching
- Socket front 13-pole (2x electrical functions E1/E2 and lighting), operation: Via 2 touch buttons on joystick; 1st function latching, 2nd function momentary
- Socket front 13-pole (2x electrical functions E1/E2 and lighting), operation: Via 2 touch buttons on joystick; 1st function momentary, 2nd function momentary
- Socket front 13-pole (2x electrical functions E1/E2 and lighting), operation: Via 2 touch buttons on joystick; 1st function latching, 2nd function latching
- Additional control in 13-pin socket front (2x electrical functions E3/E4), operation: via 1 switch in console; 1st function latching, 2nd function latching

## Electric rear

- Rear outlet, 7-pole for lighting rear attachments

## Safety options

- Reversing warning (audible)
- Blue safety light rear

## Custom-made paint finish

- Single colour RAL custom paint finish - instead of Weidemann red
- Multicolour RAL custom paint finish

## Warranty extension

- Economy 24 months (2500 hr)
- Economy 36 months (3000 hr)
- Economy 48 months (3500 hr)
- Economy 60 months (4000 hr)

- Premium 24 months (3000 hr)
- Premium 36 months (4000 hr)
- Premium 48 months (5000 hr)
- Premium 60 months (6000 hr)

#### Other

- Rear mounting plate, multi-function (for use with salt spreader, small)
- Toolbox incl. tool set and hand lever grease gun
- Combination bag (warning triangle / first aid kit)
- Combination box (for combination bag)

Please note: that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions. Subject to alterations and errors excepted. Applicable also to illustrations.

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