



# 1160 Hoftrac

## Technical data

### ■ Electrical system

|                   |       |
|-------------------|-------|
| Operating voltage | 12 V  |
| Battery           | 77 Ah |
| Alternator        | 40 A  |

### ■ Weights

|                                                                               |                   |
|-------------------------------------------------------------------------------|-------------------|
| Operating weight                                                              | 1,910 - 2,250 kg  |
| Thrust force (max.)                                                           | 1,778 - 1,824 daN |
| Lift capacity (max.)                                                          | 1,777 - 1,811 daN |
| Tipping load with bucket – machine straight, loading frame horizontal         | 1,070 - 1,440 kg  |
| Tipping load with bucket – machine pivoted, loading frame horizontal          | 650 - 1,210 kg    |
| Tipping load with bucket - machine straight, loading frame in lowest position | 1,400 - 2,510 kg  |
| Tipping load with bucket - machine pivoted, loading frame in lowest position  | 1,070 - 2,130 kg  |
| Tipping load with pallet fork – machine straight, loading frame horizontal    | 730 - 970 kg      |
| Tipping load with pallet fork – machine pivoted, loading frame horizontal     | 550 - 870 kg      |
| Tipping load with pallet fork - machine straight, transport position          | 1,070 - 1,420 kg  |
| Tipping load with pallet fork - machine pivoted, transport position           | 820 - 1,160 kg    |

### ■ Driver's cab

|              |                  |
|--------------|------------------|
| Driver's cab | FSD (eps, cabin) |
|--------------|------------------|

### ■ Filling levels

|                                 |      |
|---------------------------------|------|
| Tank capacity for fuel          | 20 l |
| Tank capacity for hydraulic oil | 20 l |

### ■ Drive system

|               |                       |
|---------------|-----------------------|
| Type of drive | Hydrostatic           |
| drive unit    | universal joint shaft |
| Speed levels  | 2                     |

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Axle                  | T80 (T94)                                                   |
| Travel speed Standard | 0-20 km/h                                                   |
| Operating brake       | Hydrostatic drive system acting on all 4 wheels (wear-free) |
| Parking brake         | Service and parking brake in the drive train                |
| Differential lock     | 100% VA + HA (option)                                       |

### ■ Hydraulic system

|                                          |            |
|------------------------------------------|------------|
| Drive hydraulics working pressure (max.) | 330 bar    |
| Work hydraulics discharge volume (max.)  | 30,8 l/min |
| Work hydraulics working pressure (max.)  | 225 bar    |

### ■ Kinematics

|                     |                                      |
|---------------------|--------------------------------------|
| Kinematics type     | P                                    |
| Lifting cylinder    | 2                                    |
| Tipping cylinder    | 1                                    |
| Quick change system | Mechanical (hydraulically activated) |

### ■ Steering

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Steering type     | hydraulically activated articulated pendulum steering |
| Steering cylinder | 1                                                     |
| Oscillating angle | ± 12 degree                                           |

### ■ Noise characteristic values

|                                                                    |            |
|--------------------------------------------------------------------|------------|
| Average sound power level L <sub>WA</sub> (operator's canopy)      | 99.0 dB(A) |
| Guaranteed sound power level L <sub>WA</sub> (operator's canopy)   | 101 dB(A)  |
| Specified sound pressure level L <sub>pA</sub> (operator's canopy) | 84 dB(A)   |

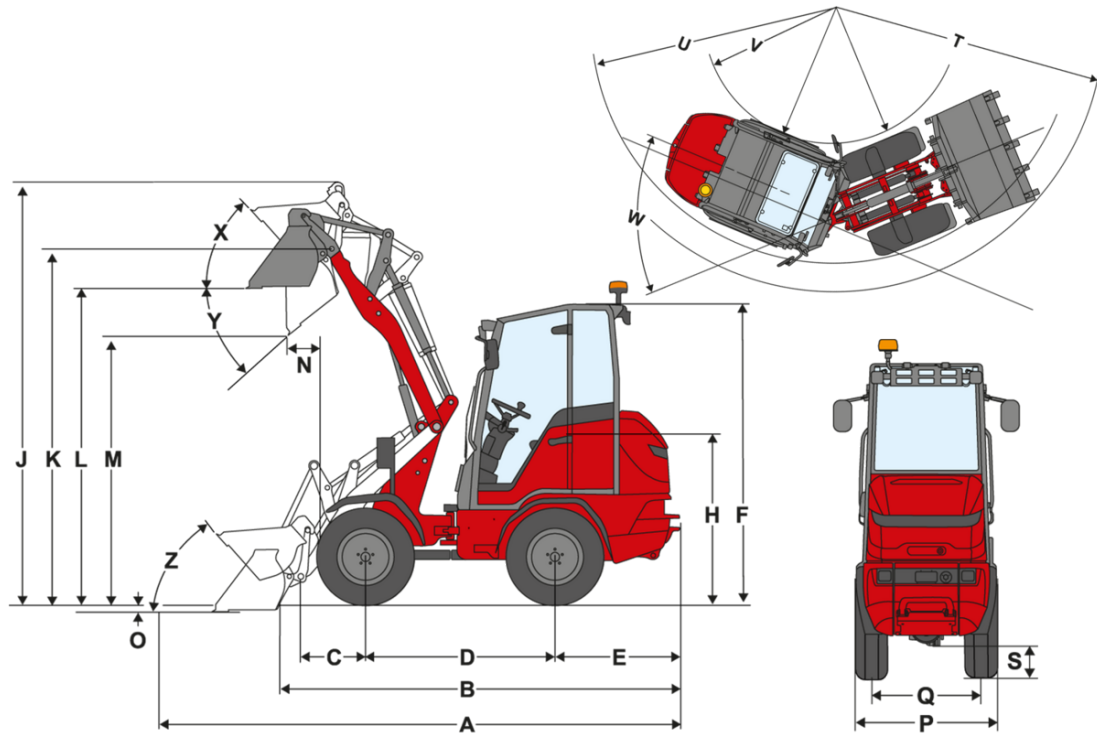
### ■ Standard engine data

|                     |          |
|---------------------|----------|
| Engine manufacturer | Perkins  |
| Motor type          | 403 J-11 |
| Cylinder            | 3        |

|                   |                       |
|-------------------|-----------------------|
| Drive output      | 18.4 kW               |
| Drive output      | 25 PS                 |
| at max. rpm       | 2,800 U/min           |
| Cylinder capacity | 1,131 cm <sup>3</sup> |

|                        |       |
|------------------------|-------|
| Type of coolant        | Water |
| Exhaust standard level | V     |
| Exhaust aftertreatment | -     |

## Dimensions



|   |                                                            | P-kinematics (Standard) | P-kinematics (long) |
|---|------------------------------------------------------------|-------------------------|---------------------|
| A | Total length                                               | 3,983 mm                | 4,182 mm            |
| B | Total length without bucket                                | 3,005 mm                | 3,206 mm            |
| C | Bucket pivot point (to center of axle)                     | 508 mm                  | 707 mm              |
| D | Wheel base                                                 | 1,468 mm                | 1,468 mm            |
| E | Rear overhang                                              | 917 mm                  | 917 mm              |
| F | Height with operator's canopy fixed                        | 2,237 mm                | 2,237 mm            |
|   | Height with fold-down operator's canopy (eps)              | 2,341 mm                | 2,341 mm            |
| F | Height with fold-down operator's canopy, folded down (eps) | 1,928 mm                | 1,928 mm            |
|   | Height with cab                                            | 2,302 mm                | 2,302 mm            |
| H | Seat height                                                | 1,273 mm                | 1,273 mm            |
| J | Total working height                                       | 3,423 mm                | 3,634 mm            |
| K | Bucket pivot point (max. lift height)                      | 2,740 mm                | 2,948 mm            |
| L | Load-over height                                           | 2,421 mm                | 2,629 mm            |
| M | Dumping height                                             | 1,799 mm                | 1,998 mm            |
| N | Reach (at M)                                               | 498 mm                  | 498 mm              |
| O | Digging depth                                              | 97 mm                   | 124 mm              |
| P | Total width                                                | 1,044 mm                | 1,044 mm            |
| Q | Track width                                                | 780 mm                  | 780 mm              |
| T | Maximum radius                                             | 2,592 mm                | 2,706 mm            |
| U | Radius on the outer edge                                   | 2,138 mm                | 2,138 mm            |
| V | Inner radius                                               | 1,017 mm                | 1,017 mm            |
| W | Articulation angle                                         | 50 °                    | 50 °                |
| X | Rollback angle at max. lift height                         | 50 °                    | 47 °                |
| Y | Dumping angle                                              | 40 °                    | 40 °                |
| Z | Rollback angle on ground                                   | 49 °                    | 49 °                |

## Standard components

### Engine

- Perkins 403 J-11, 18,4 kW / 25 PS, EU Stage V

### Tires

- 10.0/75–15.3 BKT AS 504 ET10, tread AS, width 1840 mm

### Steering system

- Hydraulically activated articulated pendulum steering,  $\pm 12^\circ$  oscillating angle
- Steering cylinder: 1

### Drive system

- Axle: T80
- Drive system: Hydrostatic all-wheel drive system, travel direction can be selected via joystick
- Speed: 20 km/h
- Travel speeds: 2
- Operating brake: Hydrostatic drive system acting on all 4 wheels (wear-free)
- Parking brake: Central service and parking brake in the drive train acts on all 4 wheels

### Hydraulics

- Mechanical pilot-operated joystick with travel direction switch
- 3rd front control circuit via lever
- Hydraulic oil cooler

### Operator's cab

- Overhead guard with ROPS/FOPS tested restraint system
- Driver's cab tilts to the side
- Engine-hour indicator
- Fuel gauge

### Operator's seat

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

### Lighting

- LED Basic work lights (1000 lm) on the roof, 2 front, 2 rear

### Loading system

- Loader unit LS945
- Mechanical quick coupler system (Weidemann)
- Kinematics: P
- Lifting cylinder: 2
- Tipping cylinder: 1
- Floating position for lifting and tipping cylinders

## Options

### Operator's cab

- Overhead guard, fold-down eps ROPS/FOPS tested (work lights: 1 front on load arm and 1 rear)
- 2-door cabin, incl. heater and fan, work lights: 2 front and 2 rear
- Front and rear windshield
- Front and rear windshield with front windshield wiper
- Adjustable steering column (tilt)
- Radio DAB+ ready (antenna, speaker)
- Radio DAB+ complete
- Right armrest

### Operator's seat

- Leatherette seat (MSG20)
- Seat; leatherette; heated seats (MSG20)
- Seat; leatherette; air suspension (MSG75)
- Seat; leatherette; air suspension; heated seats (MSG75)
- Seat; fabric (MSG20)
- Seat; fabric; heated seats (MSG20)
- Seat; fabric; air suspension (MSG75)
- Seat; fabric; air suspension; heated seats (MSG75)

### Lighting

- Lighting according to StVZO
- One additional working light on the loading swing arm
- Additional LED working light on the loading swing arm
- Rotating beacon (yellow), The national regulations must be observed!
- Rotating beacon (yellow) with magnetic base

### StVZO – equipment

- Individual operating permit < 25 km/h
- License plate holder

### Engine

- Engine preheating (cooling water) 230 V

### Drive system & Axles

- T80 axle, hydraulic medium pressure all-wheel drive, 20 km/h
- T94 axle, hydrostatic high-pressure all-wheel drive, 20 km/h

### Tires

Tires and options for: Axle T80

- 27x10.0-15.3 AS504 ET0, profile AS, width 1050mm
- 26.0x12.00-12 AS ET0, profile AS, width 1010 mm
- 31x15.50-15 AS ET-50, profile AS, width 1280 mm
- 31x15.50-15 AS ET-50 Starco, profile AS, width 1280 mm
- 27x 8.50-15 EM ET30, profile EM, width 960 mm, width turned 1090 mm
- 27x10.50-15 EM ET-5, profile EM, width 1080 mm
- 26.0x12.00-12 RP ET0, profile RP, width 1110 mm
- Wheel spacer (2x 15 mm)
- Turned

Tires and options for: Axle T94

- 31x15.50-15 AS ET0, profile AS, width 1320 mm
- 31x15.50-15 AS ET0 Starco, profile AS, 1294 mm
- Twin tires 10.0/75-15.3 AS front
- 27x 8.50-15 EM ET80, profile EM, width 1000 mm, width turned 1340 mm
- 27x10.50-15 EM ET60, profile EM, width 1100 mm, width turned 1340 mm
- 10-16.5 EM ET40, profile EM, width 1114 mm, width turned 1300 mm
- Twin tires 27x8.50-15 EM front, profile EM, width 16550 mm
- 10.0/75-15.3 ET40 Mitas M159, profile RP, width 1124 mm
- 31x15.50-15 RP ET0, profile RP, width 1313 mm
- Turned

### Loading system

- High lift height (2948 mm)
- Lowering brake valve (pipe breakage protection lifting and tipping cylinder)

### Quick change plates

- Weidemann hydraulic
- Weidemann HV/HT - C - ECS
- Euro hydraulic
- Skid Steer hydraulic
- SMS hydraulic

### Hydraulics in front

- Pressureless return in front
- 3rd Control circuit, front DN12
- 3rd Control circuit, incl. single detent on lever for 3rd control circuit (additional operation via two buttons on joystick)
- 3rd Control circuit comfort, incl. single detent on lever for 3rd Control circuit (operation: Via button on joystick + tilt in and tilt out)
- 4th Control circuit comfort, incl. single detent for 3rd Control circuit (operation: Via button on joystick + tilt in and tilt out), (3rd Control circuit, front, can not be operated simultaneously)
- 4th Control circuit additionally via 4-way valve, incl. double detent (operation: Via separate lever)
- Additional hydraulic oil cooler
- Quick coupling Faster 4-fold - machine side
- Quick coupling Faster 4-fold - attachment side
- Single detent for control lever
- Double detent for control lever
- Lowering brake valve (pipe breakage protection lifting and tipping cylinder)

### Hydraulics in rear

- Additional single-acting rear hydraulic connection (operation: Via lever for 3rd control circuit)
- One additional double-acting hydraulic connection at the rear (operation: Via lever for 3rd control circuit)

### Bio-hydraulic oil

- Shell PANOLIN S4 HLP Synth 46 (bio hydraulic oil)

### Electrical connections in front

- Socket at front 3-pin for simple function (Operation: Via switch (0 - 1) in the steering column)
- Front socket 3-pin for double function (operation: Via switch (1 - 0 - 2) in the steering column)
- Front socket 3-pin for double function (operation: Via 2 buttons on the joystick; 1st Function push-button, 2nd Function latching)
- Front socket 7-pin for lighting front attachments

### Electrical connections in rear

- Rear 7-pin socket for lighting rear attachments

### Additional weight

- Ballast weight base plate (97 kg)
- Cast rear weight (110 kg)

### Safety options

- Reversing warning device (acoustic)
- Lockable fuel tank cap

### Other

- Hand lever grease press
- Combination box (for combination bag)
- Combination bag (warning triangle / first aid kit)
- Bucket level indicator
- Tool box
- Set of tools
- Fully automatic central lubrication unit

### Warranty extension

- Economy 24 months (2500 h)
- Economy 36 months (3000 h)
- Economy 48 months (3500 h)
- Economy 60 months (4000 h)
- Premium 24 months (3000 h)
- Premium 36 months (4000 h)
- Premium 48 months (5000 h)
- Premium 60 months (6000 h)

### Custom-made paint finish

- Single color RAL custom paint finish – instead of Weidemann red
- Custom paint finish RAL multi-color

### Trailer and recovery equipment

- Bolt for self-recovery device (not approved for trailer operation!)
- Self-recovery coupling (not approved for trailer operation!)

**EquipCare (telematics)**

- EquipCare 36 months (incl. app & manager)