

**1140**

Hoftrac



Technical specifications

	Standard	Outfitting example
Engine data		
Manufacturer	Perkins	Perkins
Engine type	403 D-11	403 D-11
Cylinders	3	3
Engine performance (max.) kW (hp)	17.9 (24)	17.9 (24)
at rpm (max.) rpm	2,800	2,800
Cubic capacity cm ³	1,131	1,131
Cooling system	Water	Water
Engine data		
Electric motor		
Battery Standard		



	Standard	Outfitting example
Battery Optional		
Electrical system		
Operating voltage V	12	12
Battery Ah	77	77
Alternator A	40	40
Weights		
Operating weight (standard) kg	1,630	1,630
Lift force (max.) daN	1,981	1,981
Tipping load with bucket - machine straight kg	664	688 / 846*
Tipping load with bucket - machine articulated kg	490	509 / 621*
Tipping load with pallet fork - machine straight kg	532	556 / 679*
Tipping load with pallet fork - machine articulated kg	391	407 / 497*
Vehicle data		
Axle (optional)	K75 (K90)	K75 (K90)
Cab (optional)	FSD (eps)	FSD (eps)
Ground speed km/h	0 - 12	0 - 13
Speed stages	1	1
Fuel tank capacity l	21	21
Hydraulic oil tank capacity l	18	18
Hydraulic system		
External services - Operating pressure bar	215	305
Steering hydraulics - Oil flow l/min	30.8	30.8
Steering hydraulics - Operating pressure bar	205	205
Drive		
Type of drive	hydraulic	Hydrostatic
Traction drive	Oil engine	Oil engine

*Tipping load with counterweight

Tipping load calculation according to ISO 14397

FSD = canopy

eps = Easy Protection System (fold-down canopy)



Vibrations (weighted average effective value)

Hand-arm vibrations:

The hand-arm vibrations are no more than 2.5 m/s²

Whole body vibrations:

This machine is equipped with a driver's seat that meets the requirements of EN ISO 7096:2000.

When the loader is properly used, the whole body vibrations vary from below 0.5 m/s² 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.

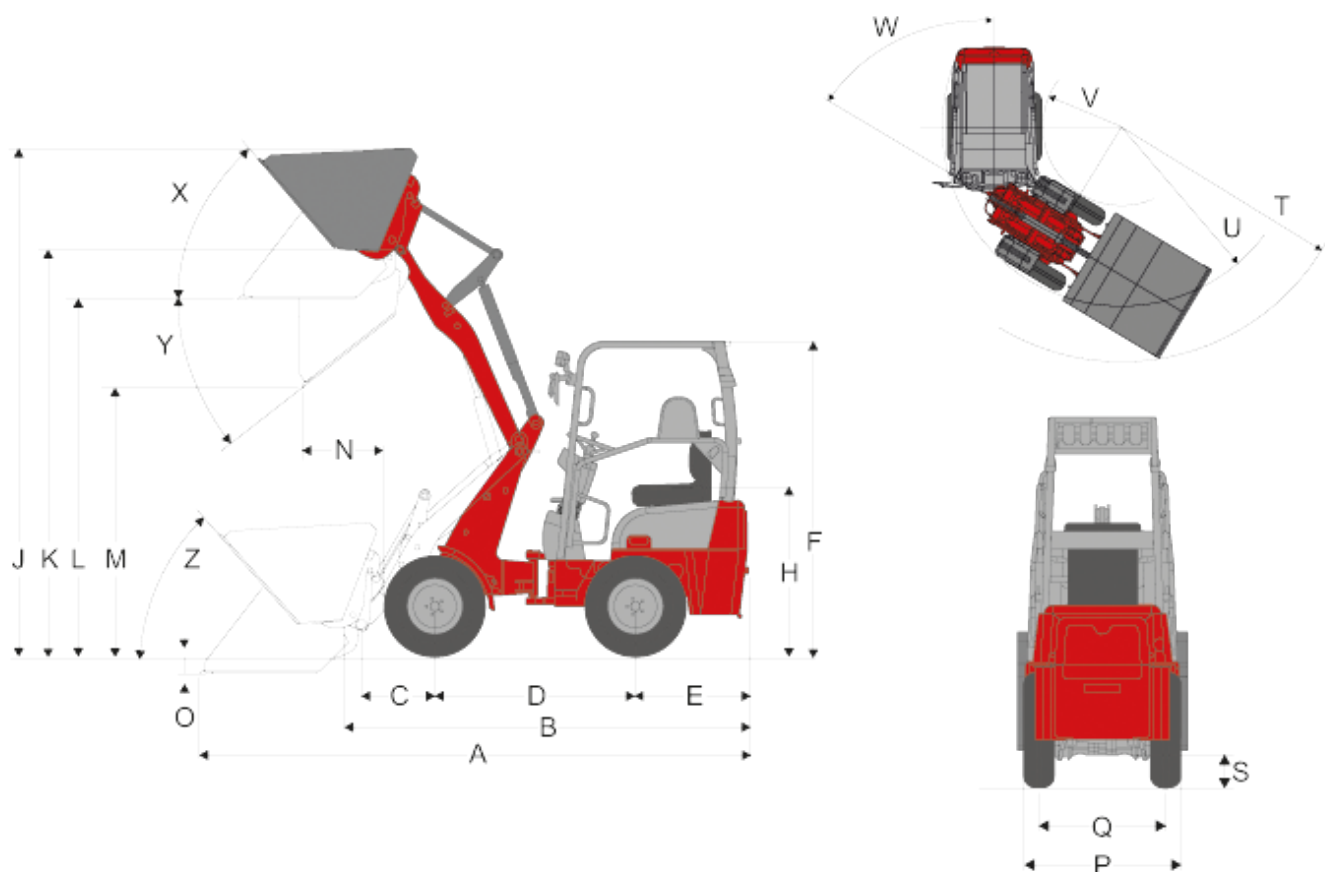
Telescopic loaders, like wheel loaders, are to be classified by operating weight.

Type of loader	Typical operating conditions	Average value			Standard deviation (s)		
		$1.4 \cdot a_{w,eqx}$ [m/s ²]	$1.4 \cdot a_{w,eqy}$ [m/s ²]	$a_{w,eqz}$ [m/s ²]	$1.4 \cdot s_x$ [m/s ²]	$1.4 \cdot s_y$ [m/s ²]	s_z [m/s ²]
Compact wheel loader (operating weight < 4,500 kg)	Load & carry (loading and transport work)	0.94	0.86	0.65	0.27	0.29	0.13
Wheel loader (operating weight > 4,500 kg)	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
	Transfer 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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Dimensions



Standard tyres 7.00 - 12 AS ET40

A	Total length	3,706 mm
B	Total length (without bucket)	2,733 mm
C	Axle middle to bucket pivot pin	496 mm
D	Wheelbase	1,345 mm
E	Rear overhang	779 mm
F	Height to top of overhead guard fixed	2,124 mm
	Height to top of overhead guard foldable (eps)	2,227 mm
	Height to top of overhead guard foldable, folded (eps)	1,937 mm



H	Seat top height	1,142 mm
J	Total working height	3,415 mm
K	Height of bucket pivot (max.)	2,734 mm
L	Load-over height	2,405 mm
M	Dumping height	1,807 mm
N	Operating distance for M	550 mm
O	Digging depth	113 mm
P	Total width	850 mm
Q	Track width	660 mm
S	Ground clearance	190 mm
T	Maximum radius external	2,140 mm
U	Radius at the outer edge	1,570 mm
V	Inside turning radius	600 mm
W	Inclination angle	55 °
X	Rollback angle at max. lifting height	50 °
Y	Dumping angle (max.) (max.)	39 °
Z	Rollback angle (on the ground)	48 °

eps (Easy Protection System) = fold-down canopy

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Standard features**Engine**

- Perkins 403 D-11 (17.9 kW / 24 hp)

Drive

- Compact axle K75
- Oil engines on the axles, travel direction can be selected via drive pedal
- Service brake: Gear drum brake acting on rear axle
- Central service and parking brake in the drive train acting on all 4 wheels
- Tyres 7.00 - 12 AS ET40

Steering

- Hydraulic articulated pendulum steering, 12° oscillating angle

Hydraulics

- 3rd Control circuit front DN10
- Hydraulic oil cooler
- Lock for steering valve
- Floating position for lift and tilting cylinders

Driver's cab

- Canopy with retaining system ROPS / FOPS tested
- Comfort seat with safety belt, fully suspended, weight, back and horizontal adjustment, 60 mm spring deflection

Other

- Working lights (2 front, 1 rear)
- Operating hour meter
- Battery circuit breaker
- Fuel display
- Mechanical quick-change system for attachments

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Options**Driver's cab**

- eps (Easy Protection System) - fold-down canopy
- Adjustable steering column

Lighting

- Working light on loading arm
- Lighting according to Road Traffic Regulations
- Rotary beacon

Axles

- Hydrostatic all-wheel drive, automatic drive via oil engines on the axles (axle K75)
- K90 (automatic drive via oil engines on the axles)
- Wheel spacer (30 mm)

Hydraulics

- Unpressurised reflux (front)
- 3rd control circuit front DN12
- 3rd comfort control circuit
- 4th comfort control circuit
- Faster plug-in connector (machine or attachment side)
- Notch for joystick (single / double)
- Hydraulic connection in rear (single acting)

Electrical connections

- Plug receptacle in front, triple-pole (single or double)

Other

- Engine pre-heating
- Hydraulic quick-change system for attachments
- Counterweight
- Back-up alarm
- Load-lowering valve
- Combination case with warning triangle and first-aid kit
- Switch position indicator
- Self-recovery coupling
- Tool box
- Technical Inspection Authority expert's report
- Fully automatic central lubrication unit
- Custom made paint finish

**Please note**

that product availability can vary from country to country. It is possible that information / products may not be available in your country. Photos may depict options. Subject to change without notice. Errors and omissions are reserved. The contractual agreement is expressly decisive. 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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