T7035

Telehandlers

Technical data

Electrical system

Operating voltage	12 V
Battery	185 Ah
Alternator	150 A

Weights

Payload (max.)	3,500 kg
Operating weight	7,250 kg

Driver's cab

Driver's cab	Cab

Filling levels

Tank capacity for fuel	142 l
Tank capacity for hydraulic oil	90 l
Tank capacity for urea solution	19 l

Drive system

Type of drive	Hydrostatic (electronically regulated)
drive unit	universal joint shaft
Speed levels	3
Axle	PAL 1930
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-40 km/h
Operating brake	Multi-disc brake on front axle acting on rear axle via universal joint shaft
Parking brake	Electro-hydraulic multi-disc brake with spring suspension on the front axle, acting on rear axle via universal joint shaft
Differential lock	100 % front axle (option)

Hydraulic system

Drive hydraulics working pressure (max.)	500 bar
Work hydraulics discharge volume (max.)	138,6 (187) l/min
Work hydraulics working pressure (max.)	261 bar

Kinematics

Lifting cylinder	1
Tipping cylinder	1
Quick change system	Mechanical (hydraulically activated)

Steering

Steering type	Hydrostatic all-wheel steering with fully automatic synchronization
Steering cylinder	2
Steering angle max.	2x45 degree
Oscillating angle of the rear axle	± 10 degree

Standard engine data

Engine manufacturer	Perkins
Motor type	904J-E36TA
Cylinder	4
Drive output	100 kW
Drive output	136 PS
at max. rpm	2,200 U/min
Cylinder capacity	3,621 cm³
Type of coolant	Water
Exhaust aftertreatment	DOC/DPF/SCR
Average sound power level LwA (cabin)	105 dB(A)
Guaranteed sound power level LwA (cabin)	106 dB(A)
Specified sound pressure level LpA (cabin)	76 dB(A)

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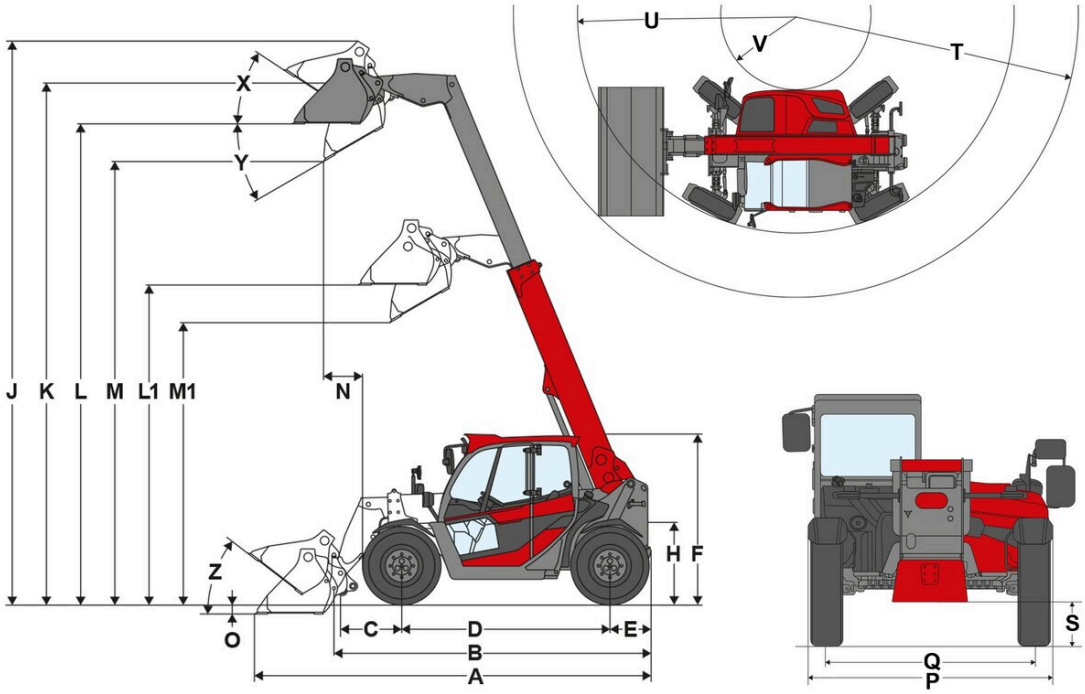
Dimensions



A	Total length	6,035 mm
B	Total length without bucket	4,950 mm
C	Bucket pivot point (to center of axle)	871 mm
D	Wheel base	2,950 mm
E	Rear overhang	700 mm
F	Height with cab	2,425 mm
H	Seat height	1,370 mm
J	Total working height	7,895 mm
K	Bucket pivot point (max. lift height)	7,305 mm
L1	Load-over height telescopic arm retracted	4,470 mm
L	Load-over height telescopic arm extended	6,770 mm
M1	Dumping height telescopic arm retracted	3,930 mm
M	Dumping height telescopic arm extended	6,230 mm
O	Digging depth	185 mm
P	Total width	2,450 mm
Q	Track width	1,930 mm
S	Ground clearance	370 mm
T	Maximum radius	5,155 mm
U	Radius on the outer edge	3,700 mm
V	Inner radius	1,640 mm
X	Rollback angle at max. lift height	45 °
Y	Dumping angle	44 °
Z	Rollback angle on ground	46 °

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Standard components

Engine

- Perkins 904J-E36TA, 100 kW (136 PS), (DOC/DPF/SCR), EU Stage V

Tires

- 405/70–24 Alliance 152B A323, tread AS

Steering system

- Hydrostatic all-wheel steering with fully automatic synchronization
- Steering lock max. 2 x 45°
- Oscillating angle of the rear axle ±10°
- 2 steering cylinders

Operator's cab

- Cab with heating and ventilation ROPS / FOPS tested with VSG safety window on the right side
- Front, roof, and rear windshield wipers
- Heated rear windshield
- Adjustable steering column (tilt and height)
- Tilt display
- Sun shade
- Bottle holder
- Co-sprung armrest with joystick console mounted on seat
- 7” color display for all important machine information

Operator's seat

- Fully damped comfort seat with safety belt, weight, back and height adjustment

Lighting

- Lighting according to StVZO road regulations
- LED Basic work lights (1000 lm) on the roof, 1 front, 1 rear

Drive system

- Axles: Planetary steering axles
- Drive system: Hydrostatic all-wheel drive Power Drive 255, electronically controlled
- Speed: 20 km/h
- Travel speeds: 2 | 7 km/h / 20 km/h (Optional 40)
- Operating brake: Disc brake in front axle acting on rear axle via universal joint shaft
- Parking brake: Electro-hydraulic disc brakes with spring suspension in the front axle, also acting on the rear axle via the universal joint shaft
- steering modes: 3 steering modes, electrically adjustable

Loading system

- Telescopic arm lift height 7305 mm
- Mechanical quick coupler system (Manitou System)
- Lifting cylinder: 1
- Tipping cylinder: 1

Hydraulics

- Electric pilot-controlled joystick with travel direction switch and telescopic function
- 3rd front control circuit operated via joystick; connections Flatface size 2
- vls (Vertical Lift System)
- Hydraulic oil cooler

Other

- Reverse alarm (acoustic)
- Document box

EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

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Options

Operator's cab

- Windshield wipers on right side
- Heated windshield right and rear
- Protective grate on front windshield, removable
- Electrical mirror adjustment for right side
- Air-conditioning system
- Automatic air conditioning
- Radio DAB+ ready (antenna, speaker)
- Radio DAB+ complete
- 2 sockets: 12V / USB
- 3 sockets: 12V / USB / 3-pole
- 3 sockets: 12V / 12 V / 3-pole
- Cellphone mount

Operator's seat

- Fabric seat; air-sprung MSG95
- Fabric seat; air-sprung, heated; MSG95/722

Lighting

LED basic work lights (1000 lm)
- 2 additional LED basic front work lights
- 2 additional LED basic rear work lights
- 2 LED basic work lights on the telescopic arm front

LED premium work lights (2000 lm)
- 2 LED Performance work lights additional front
- 2 LED Performance work lights additional rear
- 2 LED Performance work lights on the telescopic arm front
- LED rotating beacon (yellow) (National regulations must be observed!)

Approval & Road traffic

- EC Tractor Approval (CoC) (International)
- EC Tractor Approval (CoC) + Data Confirmation for Germany
- License plate holder front and rear

Drive system & Axles

Drive
- Reversible fan
- Engine pre-heating (coolant) 230 V
- Engine pre-heating (coolant) + hydraulic oil pre-heating 230 V
- Radiator maintenance access

Axles
- 100 % differential lock in front axle

Drive mode
- Auto/Eco mode drive mode

Travel speed
- Speed restrictor, proportional (slow speed facility) incl. hand throttle
- 40 km/h Power Drive 255 (speed increase)
- Closed underbody protection

Tires

- 460/70 R 24 Michelin XMCL, tread AS, width 2450 mm, height 2440 mm
- 460/70 R 24 Trelleborg TH400, tread AS
- 460/70 R 24 Trelleborg TH500, tread MPT, width 2450 mm,2440 mm
- 460/70 R 24 Firestone Duraforce, tread MPT, width 2450 mm, height 2440 mm
- 460/70 R 24 Michelin Bibload, tread Bibload, width 2450 mm, height 2440 mm

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Loading system

Quick change plates
- Manitou hydraulic
- Kramer mechanical
- Kramer hydraulic
- JCB (Q-Fit) hydraulic
- Matbro hydraulic
- Dirt scraper telescopic arm
- Loading swing arm damping & tipping cylinder lock
- Loading swing arm damping, floating position & tipping cylinder lock

Bio-hydraulic oil

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

Hydraulics in front

- Large pump (187 L/min)
- Unpressurized front return line (1 x Flatface size 4A, plug) incl. leakage oil line (1 x Flatface size 2, plug)
- Front switching valve on 3rd control circuit (3rd control circuit with 4 connections)
- Pressure release of 3rd control circuit in front on telescopic arm

Hydraulics in rear

- One rear hydraulic connection, double-acting (two couplings), (Operation: via touch button on side console)

Electrical connections in front

- Front 13-pin socket (2x electric functions E1/ E2 and lighting) Operation: via 2 buttons on the joystick; 1st momentary, 2nd latching
- Front 13-pin socket (2x electric functions E1/ E2 and lighting) Operation: via 2 buttons on the joystick; 1st latching, 2nd momentary
- Front 13-pin socket (2x electric functions E1/ E2 and lighting) Operation: via 2 buttons on the joystick; 1st momentary, 2nd momentary
- Front 13-pin socket (2x electric functions E1/ E2 and lighting) Operation: via 2 buttons on the joystick; 1st latching, 2nd latching

Hydraulics in rear

- Rear socket 7-pole for lighting of rear attachments

Safety options

- Ignition key immobilizer (Operation: via a coded ignition key)
- Internal panoramic mirror
- Rear-view camera

Other

- Toolbox, including tool set and hand lever grease press
- Fully automatic central lubrication unit
- Service valve engine-oil change
- Center tunnel cover

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)

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Trailer and recovery equipment

- Mirror for trailer coupling
- Railway coupling (not approved for trailer operation!)
- Trailer hitch 38 mm, automatic
- Trailer coupling 32 mm mechanical
- Auto Hitch trailer hitch
- CUNA D3 trailer hitch
- Bearing block for attachment coupling
- Trailer hitch 38 mm, automatic, height-adjustable for bearing block
- Trailer coupling 32 mm mechanical, height-adjustable for bearing block
- Ball hitch attachment coupling K80, height-adjustable for bearing block
- Ball hitch attachment coupling K50, height-adjustable for bearing block
- Ball hitch attachment coupling K50 long, height-adjustable for bearing block
- Piton-Fix attachment coupling, height-adjustable for bearing block
- Hydraulic attachment brake
- Dual-line, pressure air-brake system

Approval as tractor

- EC tractor approval (CoC) (International)
- EC tractor approval (CoC) + data confirmation for Germany

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