



T7042 Telehandlers

Technical Data

■ 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 cm ³
Type of coolant	Water
Exhaust standard level	V
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)

■ 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

■ Other information

DPF = diesel particulate filter
DOC = diesel oxidation catalyst
SCR = selective catalytic reduction

■ Electrical system

Operating voltage	12 V
Battery	185 Ah
Alternator	150 A

■ Kinematics

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

■ Weights

Payload (max.)	4,200 kg
Operating weight	7,650 kg

■ Kinematics

Steering cylinder	2
Steering angle max.	2x45 degree
Oscillating angle of the rear axle	± 10 degree

■ Driver's cab

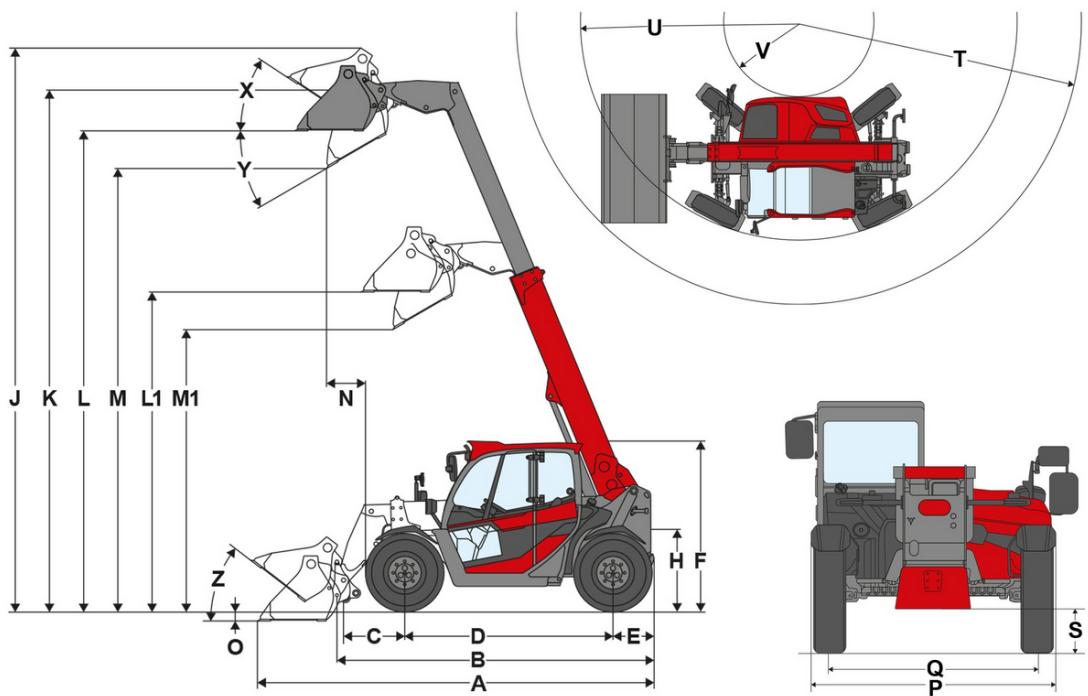
Driver's cab	Cab
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■ Steering

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

■ Filling levels

Dimensions



Standard components		Mitas 405/70 R24 MPT-01
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 lowered	
	Height with cab	2,425 mm
	Height with cab raised	
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
N	Reach (at M)	
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 °

Standard components

Engine

- Perkins 904J-E36T, 90 kW / 122 hp, stage V

Tires

- Mitas 405/70 24 MPT-01

Steering system

- Hydraulic all-wheel steering with end position synchronization
- Steering angle max. 2 x 45°
- Rear axle pendulum angle ±10
- Steering cylinder: 2

Operator's cab

- Cab with heating and ventilation ROPS / FOPS tested with VSG safety window on the right side
- Front, roof and rear wipers
- Adjustable steering column
- Spring-loaded armrest with joystick mounted on the seat
- 7" color display for all important machine information
- Cup holder
- Storage compartments

Operator's seat

- Comfort seat with safety belt

Lighting

- Lighting according to StVZO
- LED working lights, 1 front, 1 rear on cab roof

Drive system

- Drive: hydrostatic via PTO gear and driveshaft, electronically controlled.
- Speed: 20 km/h
- Driving stages: 2 | 7 km/h / 20 km/h (Optional 30 / 40)
- Service brake: Multi-disc brake on front axle acting on rear axle via driveshaft
- Parking brake: Electro-hydraulic multi-disc brake with spring brake in the front axle, acting on the rear axle via driveshaft.
- Steering modes: 3 steering modes, electrically adjustable

Loading system

- Telescopic arm lifting height (7305 mm)
- Quick change device (Manitou system) mechanical
- Lifting cylinder: 1
- Tilting cylinder: 1

Hydraulics

- Electrically pilot-controlled joystick with travel direction switch and telescopic function
- 3rd Control circuit; connections Flatface size 2
- vls (Vertical Lift System)

Other

- Reversing alarm (acoustic)

EquipCare (telematics)

- EquipCare 36 months (incl. App & Manager)

Options

Operator's cab

- Windscreen wiper right side
- Windshield heating right and rear
- Protective grille front windshield, removable
- Electrical mirror adjustment for right side
- Air conditioning system

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

- Automatic air conditioning
- Radio preparation DAB+ (antenna, loudspeaker)
- DAB+ Radio, Bluetooth / USB / AUX-IN
- 2 sockets: 12V / USB
- 3 sockets: 12V / USB / 3-pin
- 3 sockets: 12V / 12 V / 3-pin 40.0
- Cell phone holder

Operator's seat

- Fabric seat; air suspension
- Fabric seat; air suspension; heated seat

Lighting

Basic LED worklights (1000 lm)

- 2 basic additional front LED worklights
- 2 basic additional rear LED worklights
- 2 basic LED worklights on telescopic arm

Premium LED worklights (2000 lm)

- 2 premium additional front LED worklights
- 2 premium additional rear LED worklights
- 2 premium LED worklights on telescopic arm
- Rotating beacon LED (yellow), (The 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

- Diesel engine Perkins 100 kW / 136 hp torque 550 Nm
- Reversing fan
- Engine preheating (cooling water) 230 V
- Engine preheating (cooling water) + hydraulic oil preheating 230 V
- Maintenance access radiator

Axles

- Differential lock 100% in front axle

Driving mode

- Driving mode Auto / Eco mode

Driving speed

- Speed limiter proportional (slow speed device) incl. hand throttle
- 30 km/h (speed increase)
- 40 km/h Power Drive 255 (speed increase)

Tires

- Firestone 460/70 R24 Duraforce, tread MPT, width 2450 mm, height 2440 mm
- Michelin 460/70 R24 XMCL, tread AS, width 2450 mm, height 2440 mm
- Michelin 460/70 R24 Bibload, tread Bibload, width 2450 mm, height 2440 mm
- 460/70R24 Trelleborg TH500, tread MPT, width 2450 mm, height 2440 mm

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)
- Switching valve at the front of the 3rd Control circuit (3rd Control circuit with 4 couplings)

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- Pressure release, 3rd Control circuit on telescopic arm
- One hydraulic connection at the rear double-acting (two couplings) + tipper connection at the rear single-acting (one coupling)

Electrical connections in front

- Socket front 13-pin (2x electric functions E1/ E2 and lighting), (Operation: Via 2 buttons on the joystick; 1st Function push-button, 2nd Function latching)
- Socket front 13-pin (2x electric functions E1/ E2 and lighting), (Operation: Via 2 buttons on the joystick; 1st Function latching, 2nd Function push-button)
- Socket front 13-pin (2x electric functions E1/ E2 and lighting), (Operation: Via 2 buttons on the joystick; 1st Function push-button, 2nd Function push-button)
- Socket front 13-pin (2x electric functions E1/ E2 and lighting), (Operation: Via 2 buttons on the joystick; 1st Function latching, 2nd Function latching, 2nd

Electrical connections in rear

- Rear socket 7-pole for lighting of rear attachments

Safety options

- Immobilizer KAT, operation: Via coded ignition key
- Panoramic mirror inside
- Rear view camera
- Front camera incl. additional display

Other

- Tool box
- 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)

Trailer and recovery equipment

- Mirror for trailer hitch
- Railway coupling (not approved for trailer operation!)
- Auto hitch
- Bearing block for attachment coupling
- Automatic attachment coupling, 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
- Mechanical 32mm attachment coupling
- Attachment coupling 32mm mechanical, height-adjustable for bearing block
- Hydraulic attachment brake
- Dual-line, pressure air-brake system