



T7042 Telehandlers

Technical Data

Standard	engine	data

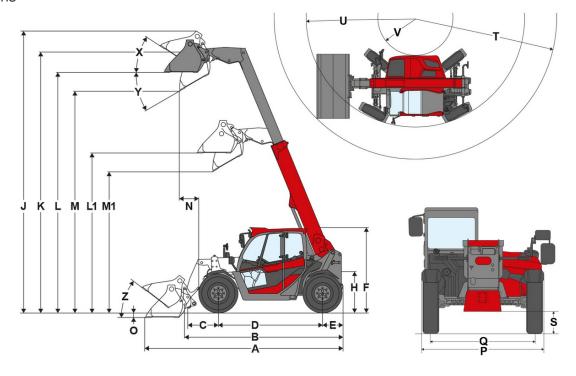
Engine manufacturer	Perkins			
Motor type	904J-E36TA			
Cylinder	4			
Drive output	100 kW			
Drive output	136 PS			
at max. rpm	2,200 U/min			
Cylinder capacity	3,621 cm ³			
Type of coolant	Water			
Exhaust standard level	V			
Exhaust aftertreatment	DOC/DPF/SCR			
Average sound power level LwA (cabin)	105 dB(A)			
Guaranteed sound power level LwA (cabin)	106 dB(A)			
Specified sound pressure level LpA (cabin)	76 dB(A)			
■ Electrical system				
Operating voltage	12 V			
Battery	185 Ah			
Alternator	150 A			
■ Weights				
Payload (max.)	4,200 kg			
Operating weight	7,650 kg			
■ Driver's cab				
Driver's cab	Cab			
■ Filling levels				
Tank capacity for fuel	142 l			
Tank capacity for hydraulic oil	90 I			
Tank capacity for urea solution	19			

■ 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				

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Dimensions



	Standard components	Mitas 405/70 R24 MPT-01
Α	Total length	6,035 mm
В	Total length without bucket	4,950 mm
С	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	
Н	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)	
0	Digging depth	185 mm
Р	Total width	2,450 mm
Q	Track width	1,930 mm
S	Ground clearance	370 mm
Т	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 °
Υ	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

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- · 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
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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)
- 1 1611116111 00 1110111113 (4000 11
- 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