



## TH412 Telehandler

## Compact and powerful

All wheel steering, low centre of gravity and excellent stability distinguish the TH412 telehandler. The integrated driver assistance system VLS (Vertical Lift System) ensures safety, while also increases the operator comfort. The electronically regulated drive system with various operator modes enables an externally productive work operation with the machine. Thanks to its low operating weight and very compact dimensions, the TH412 can be transported on a car trailer without any problems. This makes its flexible for use in many different areas.

## Highlights

- Electronically controlled drive system
- Electric parking brake
- VLS (Vertical Lift System)
- Colour-oriented operating concept
- Compact and powerful

## Technical Data

Standard engine data		Cylinder capacity	1,568 cm <sup>3</sup>
Engine manufacturer	Yanmar	Type of coolant	Water
Motor type	3TNV80FT	Exhaust standard level	V
Cylinder	3	Exhaust aftertreatment	DOC/DPF
Drive output	18.4 kW	Average sound power level LwA (cabin)	101.2 dB(A)
Drive output	25 PS	Guaranteed sound power level LwA (cabin)	102 dB(A)
at max. rpm	2,600 U/min	Specified sound pressure level LpA (cabin)	84 dB(A)
Cylinder capacity	1,226 cm <sup>3</sup>	Electrical system	
Type of coolant	Water	Operating voltage	12 V
Exhaust standard level	V	Battery	77 Ah
Exhaust aftertreatment	-	Alternator	80 A
Average sound power level LwA (cabin)	99.5 dB(A)	Weights	
Guaranteed sound power level LwA (cabin)	101 dB(A)	Payload (max.)	1,250 kg
Specified sound pressure level LpA (cabin)	84 dB(A)	Operating weight	2,750 - 2,900 kg
Engine data Option 1		Driver's cab	
Engine manufacturer	Yanmar	Driver's cab	Cab
Motor type	3TNV86CHT	Filling levels	
Cylinder	3	Tank capacity for fuel	33
Drive output	33.3 kW	Tank capacity for hydraulic oil	36
Drive output	45.3 PS	Drive system	
at max. rpm	2,600 U/min	Type of drive	electronically controlled

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.

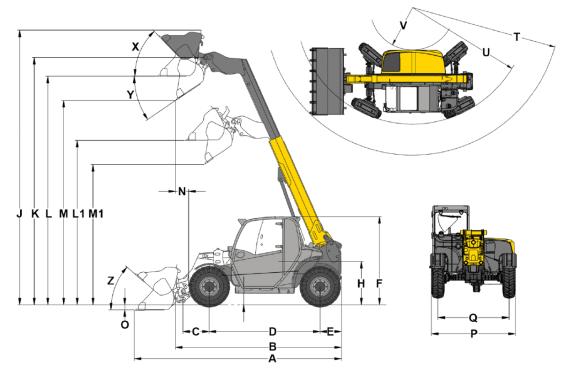
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drive unit	hydrostatic via the transfer box and the drive shaft
Speed levels	2
Axle	PAL 1155
Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h
Operating brake	Hydraulically operated disc brake on the front axle effective on the rear axle via the drive shaft
Parking brake	Electrical-hydraulic spring-loaded brake on the front axle, effective on the rear axle via the drive shaft
Differential lock	100 % front axle + rear axle
Hydraulic system	
Drive hydraulics working pressure (max.)	380 bar
Work hydraulics discharge volume (max.)	36,4 (41,6-70) l/min

Work hydraulics working pressure (max.)	220 bar
Kinematics	
Lifting cylinder	1
Tipping cylinder	1
Quick change system	hydraulic
Steering	
Steering type	Hydrostatic all-wheel steering with end position synchronization
Steering cylinder	2
Steering angle max.	2x38 degree
Oscillating angle of the rear axle	± 7 degree
Other information	
DPF = diesel particulate filter	

DOC = diesel oxidation catalyst SCR = selective catalytic reduction

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А	Total length	3,944 mm
В	Total length without bucket	2,991 mm
С	Bucket pivot point (to center of axle)	450 mm
D	Wheel base	1,922 mm
Е	Rear overhang	427 mm
F	Height with cab	1,995 mm
Н	Seat height	978 mm
J	Total working height	5,280 mm
К	Bucket pivot point (max. lift height)	4,537 mm
L1	Load-over height telescopic arm retracted	2,949 mm
L	Load-over height telescopic arm extended	4,163 mm
M1	Dumping height telescopic arm retracted	2,415 mm
Μ	Dumping height telescopic arm extended	3,630 mm
Ν	Reach (at M)	557 mm
0	Digging depth	96 mm
Р	Total width	1,564 mm
Q	Track width	1,235 mm
S	Ground clearance	294 mm
Т	Maximum radius	3,506 mm
U	Radius on the outer edge	2,695 mm
V	Inner radius	951 mm
Х	Rollback angle at max. lift height	52 °
Y	Dumping angle	31 °
Z	Rollback angle on ground	44 °

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