





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	Stand	lard	engin	ıe d	lata
----------------------	-------------------------	------	-------	------	------

Engine manufacturer	Yanmar
Motor type	3TNV80FT
Cylinder	3
Drive output	18.4 kW
Drive output	25 PS
at max. rpm	2,600 U/min
Cylinder capacity	1,226 cm ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	-
Average sound power level LwA (cabin)	93.5 dB(A)
Guaranteed sound power level LwA (cabin)	94 dB(A)
Specified sound pressure level LpA (cabin)	78 dB(A)
Engine data Option 1	
Engine manufacturer	Yanmar
Motor type	3TNV86CHT
Cylinder	3
Drive output	33.3 kW
Drive output	45.3 PS
at max. rpm	2,600 U/min

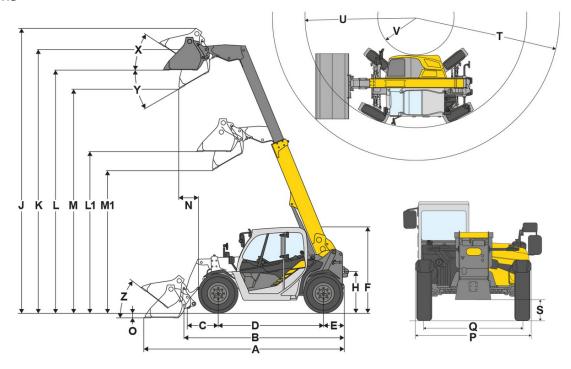
Cylinder capacity	1,568 cm ³
Type of coolant	Water
Exhaust standard level	V
Exhaust aftertreatment	DOC/DPF
Average sound power level LwA (cabin)	94.1 dB(A)
Guaranteed sound power level LwA (cabin)	95 dB(A)
Specified sound pressure level LpA (cabin)	78 dB(A)
Electrical system	
Operating voltage	12 V
Battery	77 Ah
Alternator	80 A
Weights	
Payload (max.)	1,250 kg
Operating weight	2,750 - 2,900 kg
■ Driver's cab	
Driver's cab	Cab
Filling levels	
Tank capacity for fuel	33
Tank capacity for hydraulic oil	36 I
Drive system	
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.

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	

Dimensions



Α	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
K	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
M	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
Χ	Rollback angle at max. lift height	52 °
Υ	Dumping angle	31 °
Z	Rollback angle on ground	44 °