



## 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<br>(cabin)   | 102 dB(A)                 |
| at max. rpm                                | 2,600 U/min           | Specified sound pressure level LpA<br>(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.

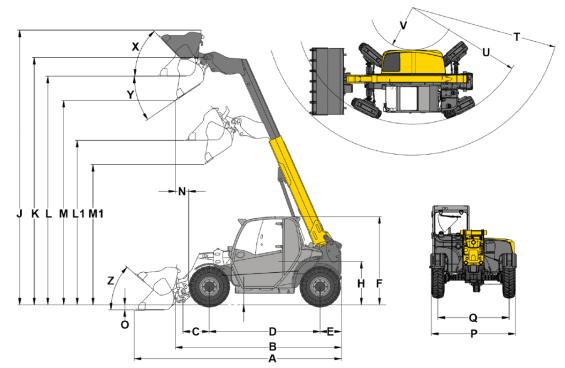
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| drive unit                               | hydrostatic via the transfer box and the drive shaft   |
|--|--|
| Speed levels                             | 2  |
| Axle                                     | PAL 1155   |
| Travel speed Standard                    | 0-20 km/h  |
| Travel speed Option 1                    | 0-30 km/h  |
| Operating brake                          | Hydraulically operated disc brake on<br>the front axle effective on the rear<br>axle via the drive shaft         |
| Parking brake                            | Electrical-hydraulic spring-loaded<br>brake on the front axle, effective on<br>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<br>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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