# Zettelmeyer
# ZL 802 i / ZL 802 Si


***Universal Machine with Outstanding Performance Values***

- ***Newly developed TP-loader linkage,*** *perfect for loading fork applications: high breakout and lift forces combine with optimum parallelity of the attachment.*
- *High-performance* ***low environmental impact diesel engine:*** *quiet, low emissions, economical fuel consumption.*
- ***Hydrostatic drive*** *with significant advantages:*
  - *Easy to operate due to automatic drive facility.*
  - *Maintains high drawbar pull even when working hydraulics are engaged.*
  - *Advantageous hydrostatic brake, wear-free and safe.*
- ***Operator-selected 100% differential lock*** *on both axles to give optimum traction*
- ***Standard hydraulic quick-change coupling:***
  *Various tried-and-tested attachments for a wide range of applications.*
- ***Purpose-designed cab comfort*** *for extra performance.*
  *Audio-visual warning system for monitoring operations.*

- ***Gross Power SAE J1995***
  ***ZL 802 i: 58 kW /78 hp***
  ***ZL 802 Si: 62 kW / 84 hp***
  ***Net Power SAE J1349***
  ***ZL802i: 56 kW/ 75 hp***
  ***ZL802Si: 60 kW/ 80 hp***
- ***Operating Weight***
  ***Volvo QC 7,3 t (16100 lb)***
  ***ZM QC 7,2 t (15900 lb)***
- ***Bucket Capacities***
  ***1,0 - 2,0 m3 (1,3-2,6 yd3)***

Zettelmeyer

## ENGINE

**Engine:** in-line 4-cylinder, 4-stroke, direct injection diesel engine, with turbocharging, water cooled.

**Three-stage air cleaning:**
1. Pre-cleaner with ejector
2. Dry type air filter with indicator in cab
3. Safety filter

| | | | | |
|---|---|---|---|---|
| Make | KHD | | KHD | |
| Type | BF 4M 1012 E | | BF 4M 1012 E | |
| Gross power @ | 2100 | r/min | (35 | r/s) |
| SAE J1995 | 58 | kW | (78 | hp) |
| Net power @ | 2100 | r/min | (35 | r/s) |
| SAE J1349 | 56 | kW | (75 | hp) |
| DIN 70020 / 6271 | 56 | kW | (75 | hp) |
| Max. torque | 1500 | r/min | (25 | r/s) |
| SAE J1349 netto | 300 | Nm | (221 | lbf ft) |
| DIN 70020 / 6271 | 300 | Nm | (221 | lbf ft) |
| No. cylinders | 4 | | 4 | |
| Cubic capacity | 3,2 | l | (195 | $in^3$) |
| Bore | 94 | mm | (3,7 | in) |
| Stroke | 115 | mm | (4,5 | in) |

### Electrical System

| | | | | |
|---|---|---|---|---|
| Rated voltage | 24 | V | | |
| Battery voltage | 2 x 12 | V | | |
| Battery capacity | 2 x 74 | Ah | | |
| Alternator rating | 1540/55 | W/A | | |
| Starter motor output | 4,0 | kW | (5,4 | hp) |

## DRIVETRAIN

**Transmission:** hydrostatic transmission, full power shift under load, both when changing direction (forward and reverse) and between ranges. Maximum pushing force can be achieved in each range. Inch/brake pedal for variable machine speed control and power transfer to bucket hydraulics at constant engine rpm.

**Axles:** all-wheel drive by two rigid portal axles.

**Differential lock:** hydraulically actuated, 100% differential locks in both axles.

**Frame:** solid front and rear frame, robot-welded. Articulating oscillating joint for optimum manoeuvrability and traction.

| | | | | |
|---|---|---|---|---|
| Oscillation at wheel, max. | 290 | mm | (11,4" | in) |
| Track | 1584 | mm | (62,4" | in) |
| Angle of oscillation | ± 10 | ° | | |
| Tires: - Size | 15.5-25 | | | |
| - Rim | 12 x 25 | | | |
| Speed, max. | | | | |
| 1st range, forward/reverse | 6,5 | km/h | (4,0 | mile/h) |
| 2nd range, forward/reverse | 20,0 | km/h | (12,4 | mile/h) |

## SERVICE FILL CAPACITIES

| | | | | |
|---|---|---|---|---|
| Engine | 9,0 | l | (2,4 | US gal) |
| Fuel tank | 100,0 | l | (26,5 | US gal) |
| Front axle, total | 8,7 | l | (2,3 | US gal) |
| Rear axle, incl. drop-box | 11,5 | l | (3,0 | US gal) |
| Hydraulic tank, incl. hydraulic system | 110,0 | l | (29,1 | US gal) |

## BRAKING SYSTEM

**Service brake:** reliable dual braking system, acting upon all four wheels.

1. Wear-free, hydrostatic brake
2. Central disc brake, actuated via "inch/brake pedal". First stage of pedal applicaton actuates the inching facility, the last third of pedal application applies the central disc brake.

**Parking brake:** wet inboard mounted multi-disc brakes.

## HYDRAULIC SYSTEM

Thermostatically controlled oil circuit with integrated cooling system.

**Hydraulic control valve:** servo-assisted three spool system, with primary and secondary pressure valves.

1. Lifting function
2. Tilting function
3. Additional function for hydraulic QC
   Unlock, neutral, lock
   Preparation for operating hydraulic attachments with this function is available as an option.

**Hydraulic oil filter:** main stream filter cartridge with 10 µm filtration in the return-line. Suction filter for the drive assembly with a 10 µm filtration.
The filters can be replaced without emptying the tank.

Lifting frame: TP linkage
2 Lift cylinders
1 Tilt cylinder

| | | | | |
|---|---|---|---|---|
| Hydraulic pump | | | | |
| Flow | 82 | l/min | (21,7 US gal/min) | |
| @ engine rpm | 2100 | r/min | (35 | r/s) |
| Relief valve pressure | 21 | MPa | (3045 | psi) |
| Lift time (loaded) | 6,5 | s | | |
| Lowering time (empty) | 6,0 | s | | |
| Dump time | 2,0 | s | | |
| Crowd time | 2,0 | s | | |

## STEERING

Hydrostatic steering. Central articulating joint with damping effect.

**Steering pump:** gear-type pump

**Steering cylinder:** 2 double acting steering cylinders

| | | | | |
|---|---|---|---|---|
| Steering | | | | |
| Angle of articulation | ± 40 | ° | | |
| Steering pump | | | | |
| Flow | 40 | l/min | (10,6 US gal/min) | |
| @ engine rpm | 2100 | r/min | (35 | r/s) |
| Relief valve pressure | 15 | MPa | (2176 | psi) |

## ENGINE

**Engine:** in-line 4-cylinder, 4-stroke, direct injection diesel engine, with turbocharging, water cooled.

**Three-stage air cleaning:**
1. Pre-cleaner with ejector
2. Dry type air filter with indicator in cab
3. Safety filter

| | | | | |
|---|---|---|---|---|
| Make | KHD | | KHD | |
| Type | BF 4M 1012 E | | BF 4M 1012 E | |
| Gross power @ | 2300 | r/min | (38 | r/s) |
| SAE J1995 | 62 | kW | (83 | hp) |
| Net power @ | 2300 | r/min | (38 | r/s) |
| SAE J1349 | 60 | kW | (80 | hp) |
| DIN 70020 / 6271 | 60 | kW | (80 | hp) |
| Max. torque | 1500 | r/min | (25 | r/s) |
| SAE J1349 netto | 300 | Nm | (221 | lbf ft) |
| DIN 70020 / 6271 | 300 | Nm | (221 | lbf ft) |
| No. cylinders | 4 | | 4 | |
| Cubic capacity | 3,2 | l | (195 | $in^3$) |
| Bore | 94 | mm | (3,75 | in) |
| Stroke | 115 | mm | (4,5 | in) |

### Electrical System

| | | | | |
|---|---|---|---|---|
| Rated voltage | 24 | V | | |
| Battery voltage | 2 x 12 | V | | |
| Battery capacity | 2 x 74 | Ah | | |
| Alternator rating | 1540/55 | W/A | | |
| Starter motor output | 4,0 | kW | (5,4 | hp) |

## DRIVETRAIN

**Transmission:** hydrostatic transmission, full power shift under load, both when changing direction (forward and reverse) and between ranges. Maximum pushing force can be achieved in each range. Inch/brake pedal for variable machine speed control and power transfer to bucket hydraulics at constant engine rpm.

**Axles:** all-wheel drive by two rigid portal axles.

**Differential lock:** hydraulically actuated, 100% differential locks in both axles.

**Frame:** solid front and rear frame, robot-welded. Articulating oscillating joint for optimum manoeuvrability and traction.

| | | | | |
|---|---|---|---|---|
| Oscillation at wheel, max. | 290 | mm | (11,4" | in) |
| Track | 1584 | mm | (62,4" | in) |
| Angle of oscillation | ± 10 | ° | | |

| | | |
|---|---|---|
| Tires: | - Size | 15.5-25 |
| | - Rim | 12 x 25 |

| | | | | |
|---|---|---|---|---|
| Speed, max. | | | | |
| 1st range, forward/reverse | 6,5 | km/h | (4,0 | mile/h) |
| 2nd range, forward/reverse | 14,5 | km/h | (9,0 | mile/h) |
| 3rd range, forward/--- | 35,0 | km/h | (22,0 | mile/h) |

## SERVICE FILL CAPACITIES

| | | | | |
|---|---|---|---|---|
| Engine | 9,0 | l | (2,4 | US gal) |
| Fuel tank | 100,0 | l | (26,5 | US gal) |
| Front axle, total | 8,7 | l | (2,3 | US gal) |
| Rear axle, incl. drop-box | 11,5 | l | (3,0 | US gal) |
| Hydraulic tank, incl. hydraulic system | 110,0 | l | (29,0 | US gal) |

## BRAKING SYSTEM

**Service brake:** reliable triple braking system, acting upon all four wheels.

1. Wear-free, hydrostatic brake
2. Central disc brake, actuated via "inch brake pedal". First stage of pedal applicaton actuates the inching facility, the last third of pedal application applies the central disc brake.
3. Wet inboard mounted multi-disc brake with accumulator

**Parking brake:** wet inboard mounted multi-disc brakes.

## HYDRAULIC SYSTEM

Thermostatically controlled oil circuit with integrated cooling system.

**Hydraulic control valve:** servo-assisted three spool system, with primary and secondary pressure valves.

1. Lifting function
2. Tilting function
3. Additional function for hydraulic QC
   Unlock, neutral, lock
   Preparation for operating hydraulic attachments with this function is available as an option.

**Hydraulic oil filter:** main stream filter cartridge with 10 µm filtration in the return-line. Suction filter for the drive assembly with a 10 µm filtration.
The filters can be replaced without emptying the tank.

| | |
|---|---|
| Lifting frame: | TP linkage |
| | 2 Lift cylinders |
| | 1 Tilt cylinder |

| | | | | |
|---|---|---|---|---|
| Hydraulic pump | | | | |
| Flow | 90 | l/min | (23 | US gal/min) |
| @ engine rpm | 2300 | r/min | (38 | r/s) |
| Relief valve pressure | 21 | MPa | (3045 | psi) |
| Lift time (loaded) | 6,0 | s | | |
| Lowering time (empty) | 5,5 | s | | |
| Dump time | 2,0 | s | | |
| Crowd time | 2,0 | s | | |

## STEERING

Hydrostatic steering. Central articulating joint with damping effect.

**Steering pump:** gear-type pump

**Steering cylinder:** 2 double acting steering cylinders

| | | | | |
|---|---|---|---|---|
| Steering | | | | |
| Angle of articulation | ± 40 | ° | | |
| Steering pump | | | | |
| Flow | 44 | l/min | (11 | US gal/min) |
| @ engine rpm | 2300 | r/min | (38 | r/s) |
| Relief valve pressure | 15 | MPa | (2176 | psi) |


## Multi-Talent with Maximum Performance!

A ZL 802 i/Si achieves maximum performance whether working with a bucket or with another attachment. The newly developed TP-loader linkage makes this possible, unifying the exact parallelity of a parallel loader linkage with the strength of our Z-bar version.The ideal machine for universal applications!

Select from a wide range of attachments! With quick change coupling the machine is equipped for your job within seconds - all controlled from the operator's seat.
Expensive idle times are eliminated on construction sites, farms, gardening, landscaping or municipal jobs maximising use of your investment, and, irrespective of summer or winter -

## It's always Zettelmeyer Season!


**with Zettelmeyer QC**

## ZL 802 i/Si - Traction in Abundance

The strong portal axles make the machine highly manoeuvrable and mobile even in extremely difficult terrain. For their size the ZL 802 i/Si offer a ground clearance unmatched by others. With standard 100% differential locks in both axles, the ZL 802 i/Si make light work of heavy ground conditions. The design of the ZL 802 i/Si provides additional advantages: the slanted engine cover gives superb visibility, and this, together with the low maintenance articulating-oscillating joint and overall compact dimensions, makes manoeuvering in tight quarters easy.
On long hauls, or when frequent and quick site changes are required, the ZL 802 Si with its additional speed is just the right machine for the job.

## The Master of Universal Applications

The TP-loader linkage is ideal for mixed applications. Parallelity in lifting actions is a particular advantage when handling palletized goods with a loading fork or with hook and tackle, as it makes continuous unloading and the precise positioning of the load possible.
Strong restraining forces at higher lifting levels ensure controlled emptying when working with a bucket. Grapple attachments eg, log grapple or 4-in-1 bucket can be opened very wide due to the loader linkage's special design.

**Problematic operation is over! The new multi-functional lever for servo-assisted control makes this possible. Simply by the touch of a button, you can select travel direction (forward/reverse), neutral position or differential lock without taking your hand from the lever.**

**The conventional control lever - should you prefer it - remains part of the standard equipment.**

## Additional Comfort for Increased Operator Performance

A suitable ergonomic environment is of paramount importance for good operator performance. The ZL 802 i/Si has a clearly designed cab interior with allround soundproofing for additional comfort. The low front windscreen, without disturbing side frames, guarantees a panoramic view over the working area.

**Operator Comfort...**

- Spacious detachable cab
- Reliable heating and ventilation system
- 4-way adjustable operator's seat

**... for smooth Working Cycles**

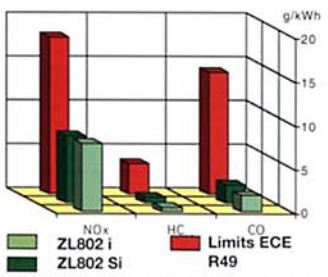
- Clearly designed dashboard
- Audio-visual warning system
- Simple operation thanks to multi-functional lever
- Single pedal for inching and braking


**with Volvo QC**

## Hydrostatic Drive - Power you can rely on!

Hydrostatic drive maintains constant drawbar pull even when working hydraulics are at maximum pressure. The automatic drive allows the operator to concentrate fully on the job. Gears can be shifted under full load, working cycles remain smooth and productivity constantly high.
The hydrostatic drive serves as the main braking system - a further advantage as this brake is virtually wear-free.

**Exhaust Emissions ZL 802 i/Si**



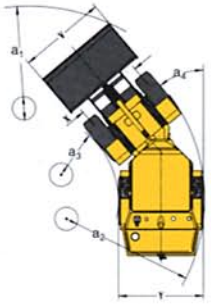

**Exhaust emissions of the ZL 802i/802 Si are far lower than those required by ECE R49.**

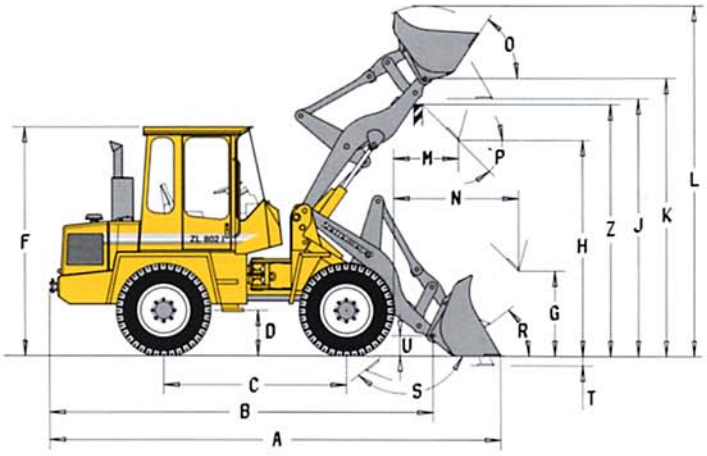
## The Power Source: Economic, Low Emission

The ZL 802 i/Si is equipped with the latest series Deutz 1012 engine. The result: high performance and economical fuel consumption, along with low acoustic and low exhaust emissions.
Transverse engine allows easy access to major components. Daily maintenance and servicing are made simple by eye level check points. Reduced maintenance time leaves you with cash-in-hand.

## DIMENSIONS *

| | | | |
|---|---|---|---|
| B | 4660 mm | (15' 3" | ft in) |
| C | 2250 mm | (7' 5" | ft in) |
| D | 570 mm | (1' 10" | ft in) |
| F | 2860 mm | (9' 5" | ft in) |
| G | 1040 mm | (3' 5" | ft in) |
| J | 3220 mm | (10' 7" | ft in) |
| K | 3470 mm | (11' 5" | ft in) |
| O | 57 ° | | |
| P | 45 ° | | |
| R | 46 ° | | |
| S | 68 ° | | |
| U | 245 mm | (0' 10" | ft in) |
| X | 1584 mm | (5' 2" | ft in) |
| Y | 1990 mm | (6' 6" | ft in) |
| Z | 3235 mm | (10' 7" | ft in) |
| $a_2$ | 4125 mm | (13' 6" | ft in) |
| $a_3$ | 2100 mm | ( 6' 11" | ft in) |
| $a_4$ | ± 40 ° | | |



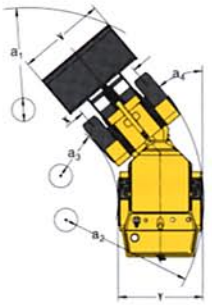

* measured with bucket 1,0 m³ (1,3 yd³), Volvo quick-change mounting and 15.5-25 tires

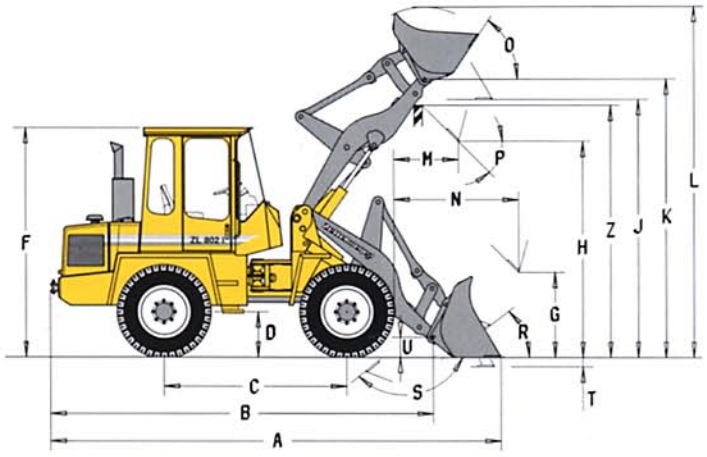
## OPERATING DATA

| **Bucket Type** (quick-change mounting standard equipment) | | **General Purpose Bucket** | | **Light Material Bucket** | | **4-in-1 Bucket** | **High-Tip-Bucket** |
|---|---|---|---|---|---|---|---|
| Edge: straight (G) with/without (+/-) teeth | | G + / - | | G - | | G + | G - |
| Capacity, heaped | m³ (yd³) | 1,0 (1,3) | 1,2 (1,6) | 1,5 (2,0) | 2,0 (2,6) | 0,95 (1,2) | 1,5 (2,0) |
| Material density | kg/m³ (lb/m³) | 1800 (3030) | 1400 (2430) | 1100 (1850) | 800 (1350) | 1700 (2860) | 1000 (1690) |
| Static tipping load, straight (ISO) | kg (lb) | 4400 (9700) | 4350 (9590) | 4200 (9260) | 4050 (8930) | 4100 (9040) | 3900 (8600) |
| Static tipping load, full turn (40°ISO) | kg (lb) | 3600 (7940) | 3510 (7740) | 3400 (7500) | 3270 (7200) | 3300 (7380) | 3050 (6020) |
| Hydraulic lifting capacity, max. | kN (lbf) | 67,0 (15060) | 65,5 (14730) | 63,5 (14280) | 61,3 (13780) | 63,0 (14160) | 61,0 (13710) |
| Breakout force | kN (lbf) | 55,5 (12480) | 49,0 (11020) | 43,5 (9780) | 38,3 (8610) | 53,5 (12030) | - (-) |
| A Total length | mm (ft in) | 5600 (18' 4") | 5710 (18' 9") | 5830 (19' 2") | 5970 (19' 7") | 5640 (18' 6") | 6020 (19' 9") |
| L Lift height, max. | mm (ft in) | 4430 (14' 6") | 4530 (14' 10") | 4630 (15' 2") | 4730 (15' 6") | 4490 (14' 9") | 5410 (17' 9") |
| V Bucket width | mm (ft in) | 2050 (6' 9") | 2050 (6' 9") | 2050 (6' 9") | 2250 (7' 5") | 2050 (6' 9") | 2050 (6' 9") |
| $a_1$ Clearance circle | mm (ft in) | 9050 (29' 8") | 9100 (29' 10") | 9200 (30' 2") | 9460 (31' 0") | 9070 (29' 9") | 9330 (30' 7") |
| T Digging depth, max. | mm (ft in) | 60 (2") | 60 (2") | 60 (2") | 60 (2") | 60 (2") | 60 (2") |
| H Dump height | mm (ft in) | 2680 (8' 10") | 2590 (8' 6") | 2510 (8' 3") | 2390 (7' 10") | 2630 (8' 8") | 4140 (13' 7") |
| M Reach at max. height | mm (ft in) | 870 (2' 10") | 930 (3' 1") | 1020 (3' 4") | 1110 (3' 8") | 880 (2' 11") | 1200 (3' 11") |
| N Reach, max. | mm (ft in) | 1600 (5' 3") | 1680 (5' 6") | 1770 (5' 10") | 1860 (6' 1") | 1625 (5' 4") | 2320 (7' 7") |
| Operating weight | kg (lb) | 7300 (16100) | 7320 (16150) | 7360 (16250) | 7430 (16400) | 7460 (16450) | 7580 (16700) |
| **Loading Fork, centre of gravity 500 mm (1' 6")** | | | | | | | |
| Tipping load, full turn acc. to ISO 8313 | kg (lb) | 3010 (6640) | | | | | |
| Payload acc. to EN 474-3, 80% | kg (lb) | 2400 (5290) | | | | | |
| Payload acc. to EN 474-3, 60% | kg (lb) | 1800 (3970) | | | | | |

## DIMENSIONS *

| | | | |
|---|---|---|---|
| B | 4645 | mm | (15' 3" ft in) |
| C | 2250 | mm | (7' 5" ft in) |
| D | 570 | mm | (1' 10" ft in) |
| F | 2860 | mm | (9' 5" ft in) |
| G | 1100 | mm | (3' 7" ft in) |
| J | 3220 | mm | (10' 7" ft in) |
| K | 3470 | mm | (11'4,5" ft in) |
| O | 57 | ° | |
| P | 45 | ° | |
| R | 46 | ° | |
| S | 68 | ° | |
| U | 250 | mm | (0' 10" ft in) |
| X | 1584 | mm | (5' 2" ft in) |
| Y | 1990 | mm | (6' 6" ft in) |
| Z | 3160 | mm | (10' 4" ft in) |
| $a_2$ | 4125 | mm | (13' 6" ft in) |
| $a_3$ | 2100 | mm | ( 6' 11" ft in) |
| $a_4$ | ± 40 | ° | |




* measured with bucket 1,0 m³ (1,3 yd³), Zettelmeyer quick-change mounting and 15.5-25 tires

## OPERATING DATA

| **Bucket Type** (quick-change mounting standard equipment) | | **General Purpose Bucket** | | **Light Material Bucket** | | **4-in-1 Bucket** | **High-Tip-Bucket** |
|---|---|---|---|---|---|---|---|
| Edge: straight (G) with/without (+/-) teeth | | G + / - | | G - | | G + | G - |
| Capacity, heaped | $m^3$ ($yd^3$) | 1,0 (1,3) | 1,2 (1,6) | 1,5 (2,0) | 2,0 (2,6) | 0,95 (1,2) | 1,5 (2,0) |
| Material density | $kg/m^3$ ($lb/m^3$) | 1800 (3030) | 1400 (2360) | 1100 (1850) | 800 (1350) | 1700 (2860) | 1000 (1690) |
| Static tipping load, straight (ISO) | kg (lb) | 4370 (9630) | 4280 (9440) | 4180 (9210) | 4030 (8890) | 4090 (9020) | 3750 (8270) |
| Static tipping load, full turn (40° ISO) | kg (lb) | 3600 (7940) | 3500 (7720) | 3400 (7500) | 3280 (7230) | 3340 ( 7360) | 3050 (6720) |
| Hydraulic lifting capacity, max. | kN (lb) | 70,0 (15730) | 68,0 (15290) | 66,5 (14950) | 64,0 (14390) | 65,0 (14610) | 53,5 (12030) |
| Breakout force | kN (lbf) | 63,0 (14160) | 54,5 (12250) | 48,0 (10790) | 43,0 (9670) | 60,5 (13600) | - (-) |
| A Total length | mm (ft in) | 5475 (18' 0") | 5585 (18' 4") | 5705 (18' 9") | 5845 (19' 2") | 5480 (18' 0") | 5865 (19' 3") |
| L Lift height, max. | mm (ft in) | 4375 (14' 4") | 4410 (14' 6") | 4545 (14' 11") | 4640 (15' 3") | 4410 (14' 6") | 5290 (17' 4") |
| V Bucket width | mm (ft in) | 2050 (6' 9") | 2050 (6' 9") | 2050 (6' 9") | 2250 (7' 5") | 2050 (6' 9") | 2050 (6' 9") |
| $a_1$ Clearance circle | mm (ft in) | 8960 (29' 5") | 9020 (29' 7") | 9100 (29' 10") | 9370 (30' 9") | 9050 (29' 8") | 9200 (30' 2") |
| T Digging depth, max. | mm (ft in) | 60 (2") | 60 (2") | 60 (2") | 60 (2") | 50 (1,9") | 60 (2") |
| H Dump height | mm (ft in) | 2740 (9' 0") | 2660 (8' 9") | 2570 (8' 5") | 2470 (8' 1") | 2730 (8' 11") | 4030 (13' 3") |
| M Reach at max. height | mm (ft in) | 775 (2' 7") | 840 (2' 9") | 920 (3' 0") | 1015 (3' 4") | 755 (2' 6") | 1130 (3' 8") |
| N Reach, max. | mm (ft in) | 1520 (5' 0") | 1580 (5' 2") | 1660 (5' 5") | 1755 (5' 9") | 1500 (4' 11") | 2190 (7' 2") |
| Operating weight | kg (lb) | 7200 (15900) | 7240 (16000) | 7270 (16000) | 7340 (16200) | 7370 (16250) | 7490 (16500) |
| **Loading Fork, centre of gravity 500 mm (1' 6")** | | | | | | | |
| Tipping load, full turn acc. to ISO 8313 | kg (lb) | 3085 (6800) | | | | | |
| Payload acc. to EN 474-3, 80% | kg (lb) | 2450 (5400) | | | | | |
| Payload acc. to EN 474-3, 60% | kg (lb) | 1850 (4080) | | | | | |

# STANDARD EQUIPMENT

### Cab, Exterior
Removable ROPS/FOPS cab with flexible mountings

Walk-through cab
Lockable doors

Tinted safety glass, windscreen
Windscreen wiper, front and rear
Windscreen washer, front and rear
Sliding windows in the left door
Door stops
External rear view mirrors, right and left

### Cab, Interior
4-way adjustable driver's seat
Seat belt

Sunblind
Heater with air filter and defroster
Cab ventilation
Cab lighting
Storage box in the cab
Tool box in the cab

### Instrument Panel
with symbols:
- Instrument lighting
- 24 V power socket
- Horn
- Safety start

Gauges:
- Engine temperature
- Fuel gauge
- Hour meter
- Drive system oil temperature
- **802 Si:** Tachometer

Indicator lamps for:
- Direction indicator
- Parking brake
- Main beam
- Pre-heater
- Battery charging
- Differential locks
- Hazard warning flashers
- **802 Si:** Brake fluid pressure

Central audio-visual alarm for:
- Engine temperature
- Engine oil pressure
- Drive system oil temperature
- Air filter restriction
- Parking brake

### Exterior Lighting
Main head lights: (Halogen) full/dipped/asymmetrical
Parking lights
Rear lights
Brake lights
Direction indicators
Hazard warning lights

### Powertrain
Diesel engine with direct fuel injection
Cold start aid
Dry-type three-stage air filter
Pre-cleaner with ejector

Alternator 55 A

Hydrostatic drive
Operator-selected 100% differential lock

Tires 15.5-25

**Hydraulic System**
Gear-type pumps
Control valve three spool system
Third hydraulic circuit

### Service and Maintenance
Tool kit

### Working Equipment
Working lights (front)
Multi-functional lever
Automatic bucket leveller
Hydraulic quick-change attachment carrier

### Carriage Body
Fenders and mudguards, front/rear
Lockable engine hood
Lockable fuel-tank cap
Vertical exhaust
Towing device

Complete system in accordance with German road traffic regulations
Sound insulation acc. to EU-guidelines

Safety standards according to EU-directive 89/392/EEC

CE Certification

# OPTIONAL EQUIPMENT

### Cab
ROPS-Bar
ROPS-Canopy

Handthrottle
Hand control inch valve
Heating independent of engine
Radio

Sliding window in the right door

### Safety
Protective guards for
- Main head lights
- Working lights
- Rear lights

Rotating beacon
Audible reverse alarm

### Powertrain
Pre-heater
Catalytic converter
Extra fuel filter
Two-stage air filter (oil bath)

### Service and Maintenance
Wheel nut wrench

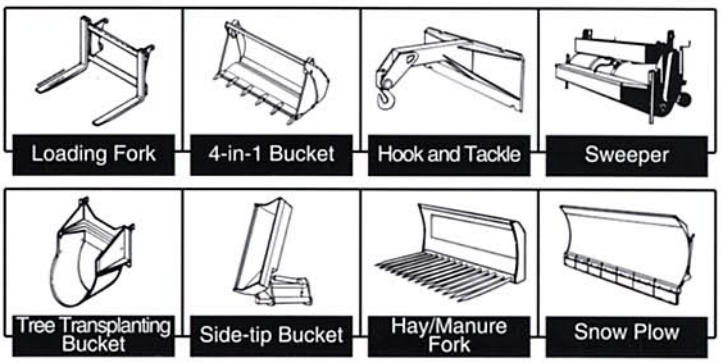
### Working Equipment
Working lights (rear)
ZLS-Load Stabilizer
Extended lift arms

Extra hydraulics, rear
Additional hydraulics for attachment carrier
4th hydraulic circuit

# ATTACHMENTS

**Buckets**
of various sizes
1,0 - 2,0 m³ (1,3 - 2,6 yd³)
with or without teeth.

Wide range of buckets, eg
Light material bucket (w/wo teeth)
High-tip bucket (without teeth)
4 in 1 bucket (with teeth)
Side-tip bucket (without teeth)
Brick bucket (with teeth)
Horticultural bucket
Bolt-on cutting edge




Further buckets and attachments available on request.

**Selection of Attachments, eg for**
Timber industry:
- Log grapple
- Loading fork with log grapple

Road building/industry:
- Loading fork
- Hook and tackle

Municipal application:
- Sweeper
- Angle dozer blade
- Snow plow

Horticulture and agriculture:
- Hay/Manure fork
- Front scarifier

*Under our policy of continuous product improvement, we reserve the right to change specifications and design without prior notice.The illustrations do not necessarily show the standard version of the machine.*

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