

# Technical data LR 626



## Diesel engine

|                                                     |                                                                                                         |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Liebherr diesel engine</b>                       | D 924-A7<br>Emissions limits in accordance with 97/68/EG, 2016/1628/EU Stage V, EPA/CARB Tier 4 Final   |
| <b>Nominal power (net)</b><br>ISO 9249<br>SAE J1349 | 110 kW / 150 hp<br>110 kW / 147 hp                                                                      |
| <b>Maximum power (net)</b><br>ISO 9249<br>SAE J1349 | 125 kW / 170 hp<br>125 kW / 167 hp                                                                      |
| <b>Rated engine speed</b>                           | 2,100 1/min.                                                                                            |
| <b>Displacement</b>                                 | 4.5 l / 1.19 gal                                                                                        |
| <b>Bore / stroke</b>                                | 104 mm (4.1 in) / 132 mm (5.2 in)                                                                       |
| <b>Model</b>                                        | 4 cylinder in-line engine, water-cooled, turbocharger, air-to-air intercooler                           |
| <b>Fuel injection system</b>                        | Direct injection, Common Rail, electronic control                                                       |
| <b>Engine lubrication</b>                           | Pressurised lube system, for inclinations up to 40°                                                     |
| <b>Operating voltage</b>                            | 24 V                                                                                                    |
| <b>Alternator</b>                                   | 140 A                                                                                                   |
| <b>Starter</b>                                      | 5.5 kW / 7.37 hp                                                                                        |
| <b>Batteries</b>                                    | 2x180 Ah / 12 V                                                                                         |
| <b>Air filter</b>                                   | Dry-type air cleaner with under pressure indicator and automatic dust ejector, main and safety elements |
| <b>Cooling system</b>                               | Combination cooler, with single cooling units for water, hydraulic fluid and intake charge air          |
| <b>Cooling fan</b>                                  | Hydrostatically driven fan with thermostatic control                                                    |



## Hydraulics

|                         |                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hydraulic system</b> | Load-sensing demand control                                                                                                                          |
| <b>Pump type</b>        | Variable displacement pump in swashplate design                                                                                                      |
| <b>Flow max.</b>        | 189 l/min. / 49.9 gpm / 41.6 Imp. gpm                                                                                                                |
| <b>Pressure relief</b>  | 250 bar / 3.625 psi                                                                                                                                  |
| <b>Filter system</b>    | Return filter with magnetic rod in hydraulic tank                                                                                                    |
| <b>Control</b>          | Single joystick for all movements of the loading bucket and 4 in 1 bucket; control of the floating position lift and lower shutoff and bucket return |



## Travel drive, control

|                                                         |                                                                                                                                                                                                                         |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Transmission system</b>                              | Infinitely variable hydrostatic travel drive, consisting of 2 axial piston variable displacement pumps and 2 axial piston variable displacement motors in swashplate design, independent drive for left and right track |
| <b>Travel speed</b>                                     | Infinitely variable electronic speed control, V-max adjustable via step switch on the throttle (V1, V2, V3)<br>2.5– 6.0 km/h (1.6–3.7 mph)<br>4.0– 8.0 km/h (2.5–5.0 mph)<br>6.5–10.0 km/h (4.0–6.2 mph)                |
| forwards and backwards<br>V1-max:<br>V2-max:<br>V3-max: |                                                                                                                                                                                                                         |
| <b>Load limit control</b>                               | The load limit control electronically monitors the speed of the diesel engine and regulates the diesel engine torque according to the required driving force                                                            |
| <b>Steering</b>                                         | Hydrostatic, manoeuvrability up to turning on the spot (counterrotation of the tracks)                                                                                                                                  |
| <b>Service brake</b>                                    | Hydrostatic, dynamic self-locking effect                                                                                                                                                                                |
| <b>Parking / emergency brake</b>                        | Multi-disc brake, wear-free, automatically applied with neutral joystick position                                                                                                                                       |
| <b>Cooling system</b>                                   | Hydraulic fluid cooler in combination cooler                                                                                                                                                                            |
| <b>Filter system</b>                                    | Micro cartridge filter in replenishing circuit                                                                                                                                                                          |
| <b>Final drive</b>                                      | Spur gear in combination with planetary gear                                                                                                                                                                            |
| <b>Control</b>                                          | Single joystick for all travel and steering functions, as well as turning on the spot<br>Optional: Throttle with steering pedals                                                                                        |



## Operator's cab

|                                     |                                                                                                                                                                                                                                              |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cab</b>                          | Closed cab with positive pressure ventilation, can be tilted 40° using hand pump, integrated ROPS roll-over protection (EN ISO 3471) and FOPS stone chip protection (EN ISO 3449)                                                            |
| <b>Heating and air conditioning</b> | Air conditioning meets requirements according to ISO 10263, air is distributed over 12 air vents and 10 blower levels, 6 air routing modes can be set on the control panel                                                                   |
| <b>Driver's seat</b>                | Air-sprung comfort seat or premium seat, fully adjustable, drive and operating hydraulics control mounted on armrest<br>Optional: Air conditioned seat cushion                                                                               |
| <b>Glazing</b>                      | Windscreen: Laminated safety glass<br>Optional: Polycarbonate<br>Side window: Tempered safety glass<br>Optional: with sliding window (individually selectable on each side)<br>Rear window: Tempered safety glass<br>Optional: Polycarbonate |
| <b>Monitoring</b>                   | Touch display: Display of current machine information, automatic monitoring of operating conditions and individual setting of machine parameters                                                                                             |
| <b>Work lights</b>                  | LED standard (1,200 lm each)<br>4 on the front, 2 on the rear<br>Optional: 4 on the front, 4 on the rear<br>LED-HD (4,200 lm each)<br>4 on the front, 2 on the rear<br>Optional: 4 on the front, 4 on the rear                               |
| <b>Vibration emission</b>           |                                                                                                                                                                                                                                              |
| Hand and arm vibrations             | < 2.5 m/s², in accordance with ISO 5349-1:2001                                                                                                                                                                                               |
| Whole-body vibrations               | 0.26–1.18 m/s², complies with technical report ISO/TR 25398:2006                                                                                                                                                                             |
| Measuring inaccuracy                | In accordance with EN 12096:1997                                                                                                                                                                                                             |

## Undercarriage

|                                     |                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mounting</b>                     | Cushion mounted via pivot shafts and equalizer bar                                                                                                                     |
| <b>Track chains</b>                 | Sealed and oil-lubricated, chain tension through compression spring and grease clamping cylinder, optional oil-lubricated sleeve chain with FTB available              |
| <b>Chain links on each side</b>     | 38                                                                                                                                                                     |
| <b>Sprocket segments, each side</b> | 5                                                                                                                                                                      |
| <b>Track rollers, each side</b>     | 6                                                                                                                                                                      |
| <b>Carrier rollers, each side</b>   | 1                                                                                                                                                                      |
| <b>Track shoes, standard</b>        | 508 mm / 20", double grouser                                                                                                                                           |
| <b>Track shoes, optional</b>        | 457 mm / 18", double grouser<br>560 mm / 22", double grouser<br>610 mm / 24", double grouser<br>660 mm / 26", double grouser<br>Wider track shoes available on request |
| <b>Grouser height</b>               | 35 mm / 1.3"                                                                                                                                                           |

## Sound levels

|                                                 |           |
|-------------------------------------------------|-----------|
| <b>Operator sound exposure to ISO 6396</b>      |           |
| L <sub>PA</sub> (in the cab)                    | 78 dB(A)  |
| <b>External sound power level to 2000/14/EG</b> |           |
| L <sub>WA</sub> (to surroundings)               | 109 dB(A) |

## Refill capacities

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| <b>Fuel tank</b>                       | 320 l / 84.53 gal / 70.4 Imp. gal |
| <b>Diesel Exhaust Fluid (DEF) tank</b> | 49 l / 12.94 gal / 10.8 Imp. gal  |
| <b>Cooling system</b>                  | 31 l / 8.19 gal / 6.8 Imp. gal    |
| <b>Engine oil with filter</b>          | 19 l / 5.01 gal / 4.2 Imp. gal    |
| <b>Hydraulic tank</b>                  | 93 l / 24.56 gal / 20.5 Imp. gal  |
| <b>Pivot shaft, each side</b>          | 4.3 l / 1.14 gal                  |
| <b>Final drive, each side</b>          | 8.5 l / 2.25 gal / 1.9 Imp. gal   |

## Cycle times

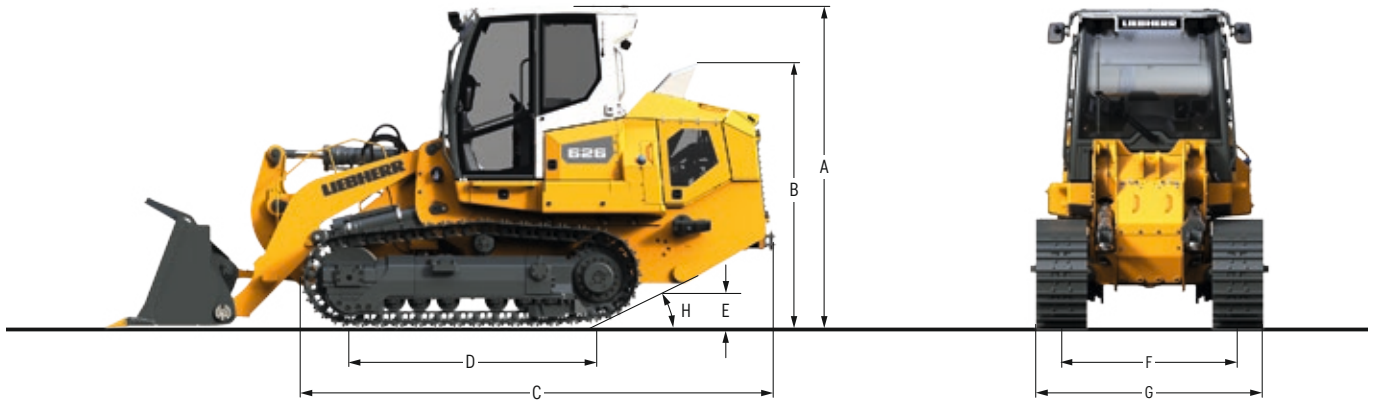
|                                               |       |
|-----------------------------------------------|-------|
| <b>Lifting</b>                                | 5.6 s |
| <b>Dumping (maximum cylinder stroke)</b>      | 1.6 s |
| <b>Dumping (at maximum height)</b>            | 1.0 s |
| <b>Tilting back (maximum cylinder stroke)</b> | 2.3 s |
| <b>Tilting back (at maximum height)</b>       | 1.5 s |
| <b>Lowering<sup>1)</sup></b>                  | 3.3 s |

<sup>1)</sup> Float position and empty bucket

## Drawbar pull

|                              |        |
|------------------------------|--------|
| <b>Maximum</b>               | 195 kN |
| <b>at 1.5 km/h (0.9 mph)</b> | 193 kN |
| <b>at 3.0 km/h (1.8 mph)</b> | 114 kN |
| <b>at 6.0 km/h (3.7 mph)</b> | 56 kN  |
| <b>at 9.0 km/h (5.6 mph)</b> | 37 kN  |

# Dimensions LR 626



## Dimensions

|                                         |       |                      |
|-----------------------------------------|-------|----------------------|
| <b>A</b> Height over cab                | mm    | 3,160                |
|                                         | ft in | 10'4.4"              |
| <b>B</b> Height over exhaust pipe       | mm    | 2,590                |
|                                         | ft in | 8'6"                 |
| <b>C</b> Length to front track          | mm    | 4,610                |
|                                         | ft in | 15'1.5"              |
| <b>D</b> Distance idler/sprocket centre | mm    | 2,450                |
|                                         | ft in | 8'0.5"               |
| <b>E</b> Ground clearance               | mm    | 420                  |
|                                         | ft in | 1'4.5"               |
| <b>F</b> Track gauge                    | mm    | 1,740 <sup>1)</sup>  |
|                                         | ft in | 5'8.5"               |
| <b>G</b> Track shoes 457 mm             | mm    | 2,197                |
| Machine width                           | ft in | 7'2.5"               |
| <b>G</b> Track shoes 508 mm             | mm    | 2,248                |
| Machine width                           | ft in | 7'4.5"               |
| <b>G</b> Track shoes 560 mm             | mm    | 2,300                |
| Machine width                           | ft in | 7'6.5"               |
| <b>G</b> Track shoes 610 mm             | mm    | 2,452 <sup>2)</sup>  |
| Machine width                           | ft in | 8'0.5" <sup>2)</sup> |
| <b>G</b> Track shoes 660 mm             | mm    | 2,502 <sup>2)</sup>  |
| Machine width                           | ft in | 8'2.5" <sup>2)</sup> |
| <b>H</b> Approach angle                 |       | 30°                  |

<sup>1)</sup> Track gauge at 610 mm and 660 mm track shoes: 1,842 mm

<sup>2)</sup> minimum bucket width 2,650 mm required

# Front attachments LR 626



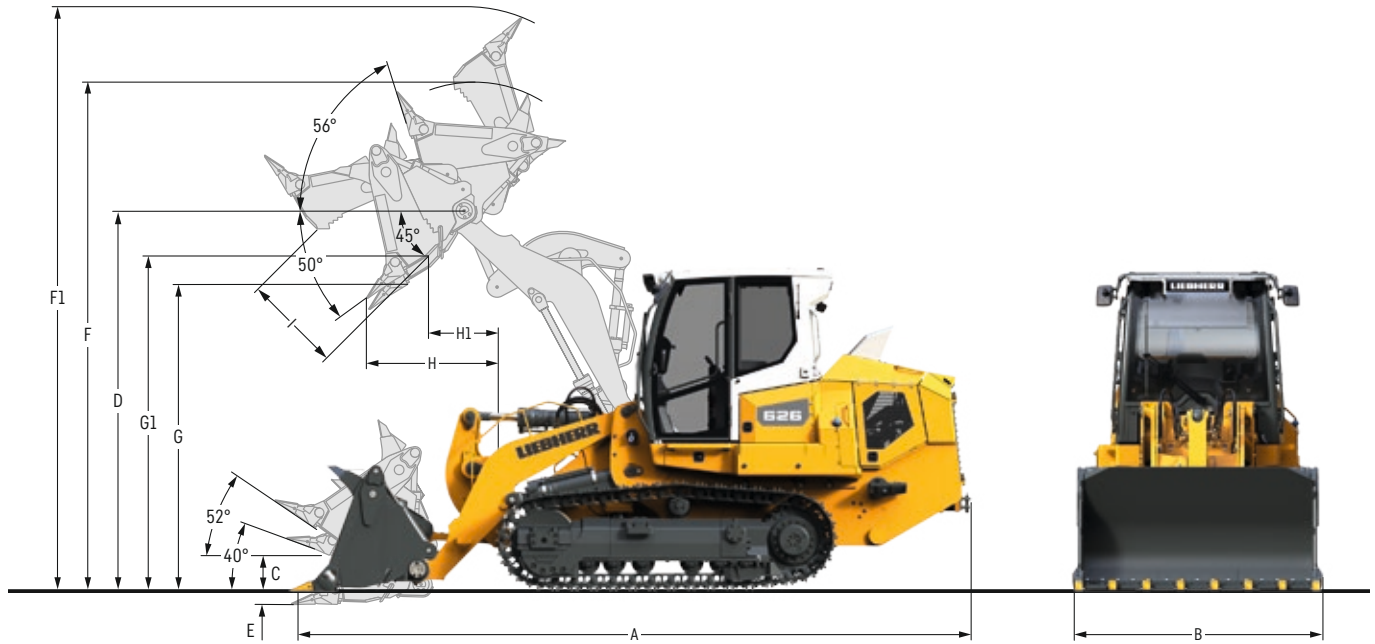
## Standard bucket

| Version with                                                     |                    | Bolt-on adapters,<br>shanks and segments | Flush weld-on adapters,<br>shanks | Bolt-on cutting edge |
|------------------------------------------------------------------|--------------------|------------------------------------------|-----------------------------------|----------------------|
| Nominal rated bucket capacity, heaped, ISO 7546                  | m <sup>3</sup>     | 1.8                                      | 1.7                               | 1.8                  |
|                                                                  | yd <sup>3</sup>    | 2.35                                     | 2.22                              | 2.35                 |
| Nominal rated bucket capacity, heaped, SAE J742                  | m <sup>3</sup>     | 1.8                                      | 1.7                               | 1.8                  |
|                                                                  | yd <sup>3</sup>    | 2.35                                     | 2.22                              | 2.35                 |
| Breakout force, ISO 14397                                        | kN                 | 127                                      | 138                               | 127                  |
|                                                                  | lb                 | 28,550                                   | 31,023                            | 28,550               |
| Static tipping load, ISO 14397                                   | kg                 | 11,519                                   | 11,752                            | 11,619               |
|                                                                  | lb                 | 25,395                                   | 25,908                            | 25,615               |
| A Overall length bucket on ground with rear bumper               | mm                 | 6,523                                    | 6,545                             | 6,362                |
|                                                                  | ft in              | 21'4.8"                                  | 21'5.7"                           | 20'10.5"             |
| B Bucket width <sup>2)</sup>                                     | mm                 | 2,482                                    | 2,450                             | 2,420                |
|                                                                  | ft in              | 8'1.7"                                   | 8'0.5"                            | 7'11.3"              |
| C Height, hinge pin transport position                           | mm                 | 541                                      | 541                               | 541                  |
|                                                                  | ft in              | 1'9.3"                                   | 1'9.3"                            | 1'9.3"               |
| D Height, hinge pin max.                                         | mm                 | 3,663                                    | 3,663                             | 3,663                |
|                                                                  | ft in              | 12'0.2"                                  | 12'0.2"                           | 12'0.2"              |
| E Digging depth max.                                             | mm                 | 136                                      | 111                               | 136                  |
|                                                                  | ft in              | 5.4"                                     | 4.4"                              | 5.4"                 |
| F Overall height with bucket at full lift                        | mm                 | 5,007                                    | 5,007                             | 5,007                |
|                                                                  | ft in              | 16'5.1"                                  | 12'0.2"                           | 12'0.2"              |
| G Dumping clearance at full lift and 45° tipping angle, ISO 7131 | mm                 | 2,849                                    | 2,917                             | 2,849                |
|                                                                  | ft in              | 9'4.2"                                   | 9'6.8"                            | 9'4.2"               |
| H Reach at full lift and 45° tipping angle, ISO 7131             | mm                 | 1,051                                    | 1,018                             | 1,051                |
|                                                                  | ft in              | 3'5.4"                                   | 3'4.1"                            | 3'5.4"               |
| Bucket weight                                                    | kg                 | 1,219                                    | 1,090                             | 1,119                |
|                                                                  | lb                 | 2,687                                    | 2,403                             | 2,467                |
| Operating weight <sup>1)</sup>                                   | kg                 | 16,589                                   | 16,458                            | 16,487               |
|                                                                  | lb                 | 36,572                                   | 36,283                            | 36,347               |
| Ground pressure, ISO 16754 <sup>1)</sup>                         | kg/cm <sup>2</sup> | 0.59                                     | 0.59                              | 0.59                 |
|                                                                  | psi                | 8.56                                     | 8.56                              | 8.56                 |

<sup>1)</sup> Incl. coolant and lubricants, full fuel tank, ROPS/FOPS cab, operator, bucket, and track shoes with 508 mm.

<sup>2)</sup> With 508 mm track shoes. With alternative track shoes on request.

# Front attachments LR 626



## 4-in-1 Multi-purpose bucket

| Version with                                                              |                                 | Bolt-on adapters,<br>shanks and segments | Bolt-on adapters,<br>shanks |
|---------------------------------------------------------------------------|---------------------------------|------------------------------------------|-----------------------------|
| Nominal rated bucket capacity, heaped, ISO 7546                           | m <sup>3</sup> /yd <sup>3</sup> | 1.6/2.1                                  | 1.5/1.96                    |
| Nominal rated bucket capacity, heaped, SAE J742                           | m <sup>3</sup> /yd <sup>3</sup> | 1.6/2.1                                  | 1.5/1.96                    |
| Breakout force, ISO 14397                                                 | kN/lb                           | 113/25,403                               | 123/27,651                  |
| Static tipping load, ISO 14397                                            | kg/lb                           | 10,199/22,485                            | 10,410/22,950               |
| A Overall length bucket on ground                                         | mm<br>ft in                     | 6,623<br>21'8.7"                         | 6,623<br>21'8.7"            |
| B Bucket width <sup>2)</sup>                                              | mm<br>ft in                     | 2,482<br>8'1.7"                          | 2,482<br>8'1.7"             |
| C Height, hinge pin transport position                                    | mm<br>ft in                     | 541<br>1'9.3"                            | 541<br>1'9.3"               |
| D Height, hinge pin max.                                                  | mm<br>ft in                     | 3,663<br>12'0.2"                         | 3,663<br>12'0.2"            |
| E Digging depth max.                                                      | mm<br>ft in                     | 186<br>7.3"                              | 186<br>7.3"                 |
| F Overall height with bucket at full lift (bucket closed)                 | mm<br>ft in                     | 5,015<br>16'5.4"                         | 5,015<br>16'5.4"            |
| F1 Overall height with bucket at full lift (bucket open)                  | mm<br>ft in                     | 5,591<br>18'4.11"                        | 5,591<br>18'4.11"           |
| G Dumping clearance at full lift and 45° tipping angle (bucket), ISO 7131 | mm<br>ft in                     | 2,743<br>9'12"                           | 2,811<br>9'2.7"             |
| G1 Dumping clearance at full lift and 45° tipping angle (blade), ISO 7131 | mm<br>ft in                     | 3,253<br>10'8"                           | 3,253<br>10'8"              |
| H Reach at full lift and 45° tipping angle (bucket), ISO 7131             | mm<br>ft in                     | 1,086<br>3'6.8"                          | 1,053<br>3'5.5"             |
| H1 Reach at full lift and 45° tipping angle (blade), ISO 7131             | mm<br>ft in                     | 625<br>2'0.6"                            | 625<br>2'0.6"               |
| I Width of opening                                                        | mm<br>ft in                     | 1,201<br>3'11.3"                         | 1,201<br>3'11.3"            |
| Bucket weight                                                             | kg/lb                           | 1,820/4,012                              | 1,731/3,816                 |
| Operating weight <sup>1)</sup>                                            | kg/lb                           | 17,239/38,005                            | 17,150/37,809               |
| Ground pressure, ISO 16754 <sup>1)</sup>                                  | kg/cm <sup>2</sup><br>psi       | 0.62<br>8.99                             | 0.61<br>8.85                |

<sup>1)</sup> Incl. coolant and lubricants, full fuel tank, ROPS/FOPS cab, operator, bucket, and track shoes with 508 mm.

<sup>2)</sup> With 508 mm track shoes. With alternative track shoes on request.

# Rear attachments LR 626



## 3-Shank ripper radial

|                                            |                    |                     |
|--------------------------------------------|--------------------|---------------------|
| A Beam width                               | mm                 | 2,096               |
|                                            | ft in              | 6'10.5"             |
| B Ripping width                            | mm                 | 1,800               |
|                                            | ft in              | 5'10.9"             |
| C Distance between shanks                  | mm                 | 870                 |
|                                            | ft in              | 2'10.3"             |
| D Penetration max.                         | mm                 | 348                 |
|                                            | ft in              | 1'1.7"              |
| E Ground clearance max. below shanks       | mm                 | 715                 |
|                                            | ft in              | 2'4.1"              |
| F Reach, rear ripper raised                | mm                 | 638                 |
|                                            | ft in              | 2'1.1"              |
| G Reach, rear ripper in transport position | mm                 | 769                 |
|                                            | ft in              | 2'6.3"              |
| H Approach angle, rear ripper raised       |                    | 21°                 |
| Weight of rear ripper                      | kg                 | 867                 |
|                                            | lb                 | 1,911               |
| Change in operating weight                 | kg                 | 830                 |
|                                            | lb                 | 1,830               |
| Change in ground pressure                  | kg/cm <sup>2</sup> | 0.03                |
|                                            | psi                | 0.42                |
| Change in static tipping load              | kg                 | 1,806 <sup>1)</sup> |
|                                            | lb                 | 3,981 <sup>1)</sup> |

<sup>1)</sup> Change in static tipping load for standard bucket 1.8m<sup>3</sup>: 1,787 kg; for 4-in-1 bucket: 1,682 kg