

L213 L215 L218 L220 L223 L225 L230
200 SERIES SKID STEER LOADERS



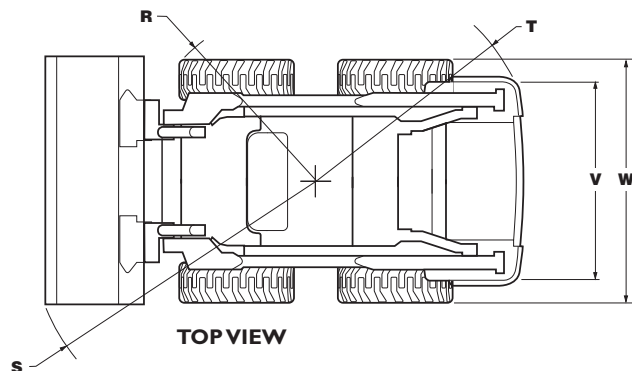
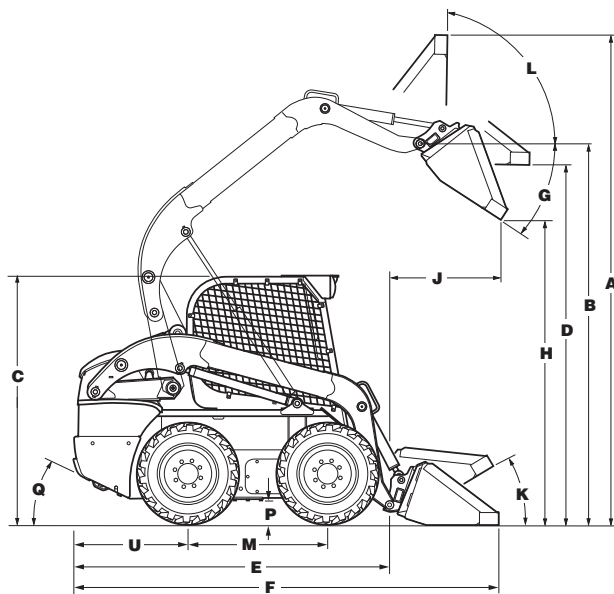
200
SERIES



BUILT AROUND YOU

Super Boom® Skid Steer Specifications

DIMENSIONS



| DIMENSIONS | L218 | L220 | L223 | L225 | L230 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| Overall operating height | | | | | |
| A. with foundry/excavating bucket short lip | 3820 mm | 3845 mm | 4056 mm | 4056 mm | 4096 mm |
| A. with low profile/standard lip bucket | 3927 mm | 3952 mm | 4159 mm | 4159 mm | 4199 mm |
| A. with low profile extended/long lip bucket | 4055 mm | 4080 mm | 4287 mm | 4287 mm | 4327 mm |
| Height to | | | | | |
| B. Bucket hinge pin | 3048 mm | 3073 mm | 3290 mm | 3290 mm | 3330 mm |
| C. Top of ROPS | 1974 mm | 1998 mm | 2002 mm | 2002 mm | 2042 mm |
| D. Bottom of level bucket, fully raised | 2877 mm | 2902 mm | 3115 mm | 3115 mm | 3155 mm |
| Overall length | | | | | |
| E. without attachment with coupler | 2685 mm | 2685 mm | 2993 mm | 2986 mm | 2986 mm |
| F. with foundry excavation bucket on ground | 3352 mm | 3338 mm | 3631 mm | 3624 mm | 3624 mm |
| F. with low profile bucket | 3456 mm | 3440 mm | 3727 mm | 3727 mm | 3727 mm |
| F. with low profile extended bucket | 3585 mm | 3569 mm | 3863 mm | 3856 mm | 3856 mm |
| Dump | | | | | |
| G. Dump angle, | 52° | 52° | 55° | 55° | 55° |
| H. Dump height | | | | | |
| with foundry/excavating bucket short lip | 2377 mm | 2402 mm | 2615 mm | 2615 mm | 2655 mm |
| with low profile/standard lip bucket | 2251 mm | 2276 mm | 2556 mm | 2556 mm | 2596 mm |
| J. Dump reach (max height) | 783 mm | 758 mm | 820 mm | 820 mm | 780 mm |
| Maximum attachment rollback | | | | | |
| K. Bucket on ground | 35° | 34° | 34° | 34° | 33° |
| L. Bucket at full height | 88° | 88° | 85° | 85° | 85° |
| Wheelbase and Clearance | | | | | |
| M. Wheelbase | 1128 mm | 1128 mm | 1322 mm | 1322 mm | 1322 mm |
| P. Ground clearance (bottom of belly pan) | 178 mm | 203 mm | 203 mm | 203 mm | 243 mm |
| Q. Angle of departure | 23° | 25° | 24° | 24° | 27° |
| Clearance circle | | | | | |
| R. without bucket, | 1289 mm | 1289 mm | 1428 mm | 1428 mm | 1428 mm |
| S. with foundry bucket in carry position | 2021 mm | 2055 mm | 2039 mm | 2039 mm | 2155 mm |
| | w/66" bucket | w/72" bucket | w/72" bucket | w/72" bucket | w/78" bucket |
| S. with low profile bucket on ground | 2132 mm | 2150 mm | 2210 mm | 2210 mm | 2246 mm |
| | w/66" bucket | w/72" bucket | w/72" bucket | w/72" bucket | w/78" bucket |
| S. with extended low profile on ground, in (mm) | 2250 mm | 2268 mm | 2323 mm | 2323 mm | 2352 mm |
| | w/66" bucket | w/72" bucket | w/72" bucket | w/72" bucket | w/78" bucket |
| T. Clearance circle rear | 1606 mm | 1599 mm | 1796 mm | 1789 mm | 1789 mm |
| U. Rear axle to bumper | 924 mm | 924 mm | 1034 mm | 1034 mm | 1034 mm |
| V. Tread width | 1371 mm | 1448 mm | 1448 mm | 1465 mm | 1465 mm |
| | w/10" x 16.5" tires | w/12" x 16.5" tires | w/12" x 16.5" tires | w/12" x 16.5" tires | w/12" x 16.5" tires |
| W. Overall width | 1678 mm | 1755 mm | 1758 mm | 1758 mm | 1930 mm |

Super Boom® Skid Steer Specifications

| ENGINE | L218 | L220 | L223 | L225 | L230 |
|---------------------------------|--------------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|
| Manufacturer/model | ISM / N844LT | ISM / N844LT | FPT / F5C E9454 | FPT / F5C E9454 | FPT / F5C E9454 |
| Type | Diesel 4-stroke, Turbo, I.D.I. | Diesel 4-stroke, Turbo, I.D.I. | Diesel 4-stroke, Turbo, D.I. | Diesel 4-stroke, Turbo, D.I. | Diesel 4-stroke, Turbo, D.I. |
| Cylinder | 4 | 4 | 4 | 4 | 4 |
| Bore/stroke | 84 x 100 mm | 84 x 100 mm | 99 x 104 mm | 99 x 104 mm | 99 x 104 mm |
| Displacement | 2.2 l | 2.2 l | 3.2 l | 3.2 l | 3.2 l |
| Fuel injection | Indirect | Indirect | Direct | Direct | Direct |
| Fuel | #2 diesel | #2 diesel | #2 diesel | #2 diesel | #2 diesel |
| Fuel filter | In-line w/water separator | In-line w/water separator | In-line w/water separator | In-line w/water separator | In-line w/water separator |
| Air intake | Turbocharged w/ internal EGR | Turbocharged w/ internal EGR | Turbocharged w/ external EGR | Turbocharged w/ external EGR | Turbocharged w/ external EGR |
| Cooling | Liquid | Liquid | Liquid | Liquid | Liquid |
| Engine speeds | | | | | |
| High idle - no load | 3080 +/- 50 rpm | 3080 +/- 50 rpm | 2675 +/- 75 rpm | 2675 +/- 75 rpm | 2675 +/- 75 rpm |
| Rated - full load | 2900 rpm | 2900 rpm | 2500 rpm | 2500 rpm | 2500 rpm |
| Low idle | 1200 +/-50 rpm | 1200 +/-50 rpm | 1075 +/- 75 rpm | 1075 +/- 75 rpm | 1075 +/- 75 rpm |
| Horsepower per SAE J1349 | | | | | |
| Gross hp (kW) | 60 (45) @ 2900 rpm | 60 (45) @ 2900 rpm | 74 (55) @ 2500 rpm | 82 (61) @ 2500 rpm | 90 (67) @ 2500 rpm |
| Net hp (kW) | 57 (42) @ 2900 rpm | 57 (42) @ 2900 rpm | 68 (51) @ 2500 rpm | 76 (57) @ 2500 rpm | 84 (63) @ 2500 rpm |
| Peak torque | 171 Nm @ 1800 rpm | 171 Nm @ 1800 rpm | 275 Nm @ 1400 rpm | 305 Nm @ 1400 rpm | 340 Nm @ 1400 rpm |

| POWER TRAIN | L218 | L220 | L223 | L225 | L230 |
|---|---|-------------------|-------------------|-------------------|-------------------|
| Drive pump mechanical | | | | | |
| Pump to engine ratio | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| Displacement | 35 cc | 35 cc | 2.81 cc | 2.81 cc | 2.81 cc |
| Flow at rated engine rpm @100% eff., | 102 Lpm | 102 Lpm | 115 Lpm | 115 Lpm | 115 Lpm |
| Charge pressure | 24.5 bar | 24.5 bar | 24.5 bar | 24.5 bar | 24.5 bar |
| System relief | 345 bar | 345 bar | 345 bar | 345 bar | 345 bar |
| Control | Direct mechanical | Direct mechanical | Mechanical servo | Mechanical servo | Mechanical servo |
| Drive pump electro hydraulic | | | | | |
| Pump to engine ratio | 1:1 | 1:1 | 1:1 | 1:1 | 1:1 |
| Displacement | 35 cc | 35 cc | 46 cc | 46 cc | 46 cc |
| Flow | 102 Lpm | 102 Lpm | 115 Lpm | 115 Lpm | 115 Lpm |
| Charge pressure | 25 bar | 25 bar | 25 bar | 25 bar | 25 bar |
| System relief | 360 bar | 360 bar | 360 bar | 360 bar | 360 bar |
| Control | Electro hydraulic | Electro hydraulic | Electro hydraulic | Electro hydraulic | Electro hydraulic |
| Drive motors | | | | | |
| Max displacement | 325 cc | 325 cc | 470 cc | 470 cc | 470 cc |
| Displacement opt high speed | 200 cc | 200 cc | 282 cc | 282 cc | 282 cc |
| Speed @ high idle engine | 313 rpm | 313 rpm | 244 rpm | 244 rpm | 244 rpm |
| Speed @ optional high speed | 509 rpm | 509 rpm | 408 rpm | 408 rpm | 408 rpm |
| Torque @ max displ. and relief pressure | 1784 Nm | 1784 Nm | 2694 Nm | 2694 Nm | 2694 Nm |
| Travel speed | | | | | |
| Low range | 11.9 km/h | 12.1 km/h | 11.6 km/h | 11.6 km/h | 12.1 km/h |
| High range (optional) | 18.5 km/h | 19 km/h | 19.2 km/h | 19.2 km/h | 19.6 km/h |
| Final drive | Single-reduction chain drive | | | | |
| Drive chain | | | | | |
| Size | ASA #80 | ASA #80 | ASA #100 | ASA #100 | ASA #100 |
| Axles | | | | | |
| Diameter | 50.8 mm | 50.8 mm | 61.94 mm | 61.94 mm | 61.94 mm |
| Length | 384 mm | 384 mm | 398.7 mm | 398.7 mm | 398.7 mm |
| Parking brake | | | | | |
| Type | Spring applied, hydraulic release disc | | | | |
| Engagement | Depress on/off brake button on instrument panel, disconnect lapbelt, get off seat, or stop engine | | | | |

Super Boom® Skid Steer Specifications

| HYDRAULIC SYSTEM | L218 | L220 | L223 | L225 | L230 |
|-----------------------------|--------------------------------|--------------------|--------------------|--------------------|--------------------|
| Pumps | | | | | |
| Type | Gear | Gear | Gear | Gear | Gear |
| Displacement standard aux. | 24.9 cc | 24.9 cc | 34.1 cc | 34.1 cc | 34.1 cc |
| Displacement high flow aux. | 12.5 cc | 12.5 cc | 18.3 cc | 18.3 cc | 18.3 cc |
| Pump flow | 72 Lpm | 72 Lpm | 85 Lpm | 85 Lpm | 85 Lpm |
| Optional high flow | 108 Lpm | 108 Lpm | 131 Lpm | 131 Lpm | 131 Lpm |
| Loader control valve | | | | | |
| Type | 3 spool / open center / series | | | | |
| Relief pressure | 207 bar | 207 bar | 207 bar | 207 bar | 207 bar |
| Hydraulic filter | 6 micron / spin on | 6 micron / spin on | 6 micron / spin on | 6 micron / spin on | 6 micron / spin on |

| CYLINDERS | L218 | L220 | L223 | L225 | L230 |
|-------------------------|--------|--------|---------|---------|---------|
| Lift cylinder | | | | | |
| Bore diameter | 57 mm | 57 mm | 64 mm | 64 mm | 64 mm |
| Rod diameter | 35 mm | 35 mm | 45 mm | 45 mm | 45 mm |
| Stroke in | 681mm | 681mm | 852 mm | 852 mm | 852 mm |
| Closed length | 982 mm | 982 mm | 1192 mm | 1192 mm | 1192 mm |
| Bucket cylinders | | | | | |
| Bore diameter | 64 mm | 70 mm | 76 mm | 76 mm | 76 mm |
| Rod diameter | 35 mm | 35 mm | 38 mm | 38 mm | 38 mm |
| Stroke | 410 mm | 410 mm | 410 mm | 410 mm | 410 mm |
| Closed length | 610 mm | 610 mm | 610 mm | 610 mm | 610 mm |

| WEIGHTS | L218 | L220 | L223 | L225 | L230 |
|------------------------------|---------|---------|---------|---------|---------|
| Operating weight | 2660 kg | 2900 kg | 3350 kg | 3580 kg | 3765 kg |
| Shipping weight, with bucket | 2520 kg | 2765 kg | 3200 kg | 3430 kg | 3610 kg |

| SERVICE CAPACITIES | L218 | L220 | L223 | L225 | L230 |
|-------------------------|--------|--------|---------|---------|---------|
| Fuel tank | 75.5 l | 75.5 l | 96.5 l | 96.5 l | 96.5 l |
| Engine oil with filter | 8.5 l | 8.5 l | 10 l | 10 l | 10 l |
| Hydraulic system | | | | | |
| Reservoir | 16.2 l | 16.2 l | 22.75 l | 22.75 l | 22.75 l |
| Chain tanks (per side) | 6.7 l | 6.7 l | 7.4 l | 7.4 l | 7.4 l |

| PERFORMANCE SPECS | L218 | L220 | L223 | L225 | L230 |
|-----------------------------|---------|---------|---------|---------|---------|
| Rated operating load | | | | | |
| 50% tip | 818 kg | 905 kg | 1020 kg | 1135kg | 1360 kg |
| Tipping load | 1632 kg | 1814 kg | 2041kg | 2268 kg | 2722 kg |
| Breakout forces | | | | | |
| Lift cylinder | 12.2 kN | 11.6 kN | 22.6 kN | 22.6 kN | 22 kN |
| Bucket cylinder | 24.2 kN | 31.8 kN | 38.2 kN | 38.2 kN | 38.2 kN |
| Cycle times | | | | | |
| Raise | 3.0 sec | 3.0 sec | 3.9 sec | 3.9 sec | 3.9 sec |
| Lower | 2.4 sec | 2.4 sec | 2.5 sec | 2.5 sec | 2.5 sec |
| Dump | 2.2 sec | 2.6 sec | 2.7 sec | 2.7 sec | 2.7 sec |
| Roll back | 1.5 sec | 1.8 sec | 2.0 sec | 2.0 sec | 2.0 sec |

For all Dimensions and Performance Metrics, unless otherwise specified:

L218 -Equipped with 79 kg operator, 66" Dirt & Foundry Bucket with 10 x 16.5 tires

L220 - Equipped with 79 kg operator, 66" Dirt & Foundry Bucket with 12 x 16.5 tires

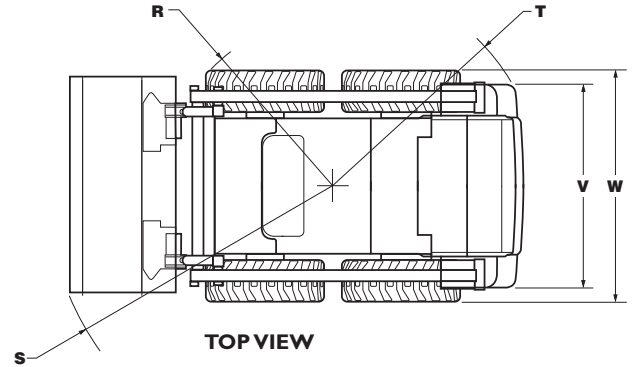
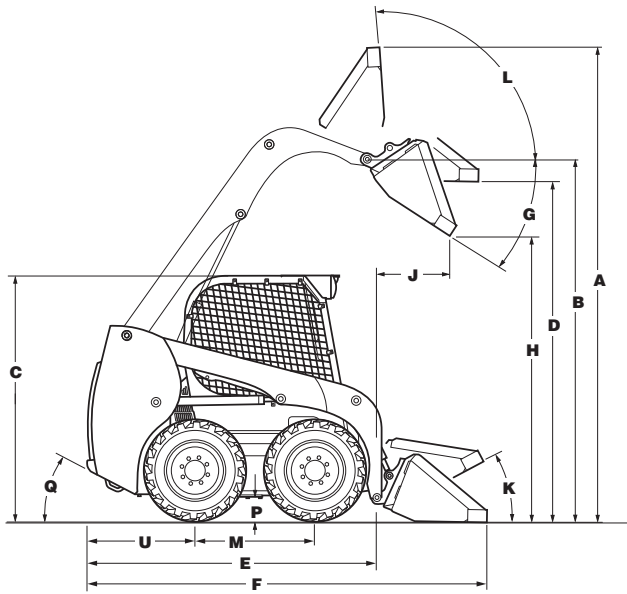
L223 - Equipped with 79 kg operator, 72" Dirt & Foundry Bucket with 12 x 16.5 tires

L225 - Equipped with 79 kg operator, 72" Dirt & Foundry Bucket with 12 x 16.5 tires

L230 - Equipped with 79 kg operator, 78" Dirt & Foundry Bucket with 14 x 17.5 tires

Skid Steer Specifications (Radial Lift)

DIMENSIONS



| DIMENSIONS | L213 | L215 |
|---|-----------------------------|-----------------------------|
| Overall operating height | | |
| A. with foundry/excavating bucket short lip | 3591 mm | 3591 mm |
| A. with low profile/standard lip bucket | 3732 mm | 3732 mm |
| A. with low profile extended/long lip bucket | 3859 mm | 3859 mm |
| Height to | | |
| B. Bucket hinge pin | 2845 mm | 2845 mm |
| C. Top of ROPS | 1919 mm | 1919 mm |
| D. Bottom of level bucket, fully raised | 2682 mm | 2682 mm |
| Overall length | | |
| E. without attachment with coupler | 2435 mm | 2435 mm |
| F. with foundry excavation bucket on ground | 3028 mm | 3028 mm |
| F. with low profile bucket | 3175 mm | 3175 mm |
| F. with low profile extended bucket | 3297 mm | 3297 mm |
| Dump | | |
| G. Dump angle | 40° | 40° |
| H. Dump height | | |
| with foundry/excavating bucket short lip | 2246 mm | 2246 mm |
| with low profile/standard lip bucket | 2154 mm | 2154 mm |
| J. Dump reach (max height) | 469 mm | 469 mm |
| Maximum attachment rollback | | |
| K. Bucket on ground | 26° | 26° |
| L. Bucket at full height | 95° | 95° |
| Wheelbase and Clearance | | |
| M. Wheelbase | 941 mm | 941 mm |
| P. Ground clearance (bottom of belly pan) | 178 mm | 178 mm |
| Q. Angle of departure | 22° | 22° |
| Clearance circle | | |
| R. without bucket | 1237 mm | 1237 mm |
| S. with 1.52 m foundry bucket in carry position | 1920 mm | 1920 mm |
| S. with 1.52 m low profile bucket on ground | 1994 mm | 1994 mm |
| S. with 1.52 m extended low profile on ground | 2112 mm | 2112 mm |
| T. Clearance circle rear | 1433 mm | 1433 mm |
| U. Rear axle to bumper | 858 mm | 858 mm |
| V. Tread width | 1248 mm w/10" x 16.5" tires | 1248 mm w/10" x 16.5" tires |
| W. Overall width | 1518 mm | 1518 mm |

Skid Steer Specifications (Radial Lift)

| ENGINE | L213 | L215 |
|---------------------------------|-------------------------------------|------------------------------|
| Manufacturer/model | ISM / N844 | ISM / N844T |
| Type | Diesel 4-stroke, I.D.I. | Diesel 4-stroke, T, I.D.I. |
| Cylinder | 4 | 4 |
| Bore/stroke | 84 x 90 mm | 84 x 90 mm |
| Displacement | 2.0 l | 2.0 l |
| Fuel injection | Indirect | Indirect |
| Fuel | #2 diesel | #2 diesel |
| Fuel filter | In-line strainer | In-line strainer |
| Air intake | Naturally aspirated w/ internal EGR | Turbocharged w/ internal EGR |
| Cooling | Liquid | Liquid |
| Engine speeds | | |
| High idle - no load | 3140 +/- 50 rpm | 3140 +/- 50 rpm |
| Rated - full load | 2900 rpm | 2900 rpm |
| Low idle | 1080+/-50 rpm | 1080+/-50 rpm |
| Horsepower per SAE J1349 | | |
| Gross hp (kW) | 46 (34.3) @ 2900 rpm | 52 (38.8) @ 2900 rpm |
| Net hp (kW) | 43 (31.8) @ 2900 rpm | 49 (36.3) @ 2900 rpm |
| Peak torque | 130.5 Nm @ 1750 rpm | 148 Nm @ 1750 rpm |

| POWERTRAIN | L213 | L215 |
|---|---|---|
| Drive pump mechanical | | |
| Pump to engine ratio | 1:1 | 1:1 |
| Displacement | 35 cc | 35 cc |
| Flow, gpm | 102 Lpm | 102 Lpm |
| Charge pressure | 25 bar | 25 bar |
| System relief | 345 bar | 345 bar |
| Control | Direct mechanical | Direct mechanical |
| Drive motors | | |
| Max displacement | 325 cc | 325 cc |
| Displacement opt high speed | NA | NA |
| Speed @ high idle engine | 313 rpm | 313 rpm |
| Speed @ optional high speed | NA | NA |
| Torque @ max displ. and relief pressure | 1784 Nm | 1784 Nm |
| Travel speed | | |
| Low range | 10.8 km/h | 10.8 km/h |
| High range (optional), mph (km/h) | NA | NA |
| Final drive | Single-reduction chain drive | Single-reduction chain drive |
| Drive chain | | |
| Size | ASA #80 | ASA #80 |
| Axles | | |
| Diameter | 50.8 mm | 50.8 mm |
| Length | 346 mm | 346 mm |
| Parking brake | | |
| Type | Spring applied, hydraulic release disc | Spring applied, hydraulic release disc |
| Engagement | Depress on/off brake button on instrument panel, disconnect lapbelt, get off seat, or stop engine | Depress on/off brake button on instrument panel, disconnect lapbelt, get off seat, or stop engine |

Skid Steer Specifications (Radial Lift)

| HYDRAULIC SYSTEM | L213 | L215 |
|-----------------------------|--------------------------------|--------------------------------|
| Pumps | | |
| Type | Gear | Gear |
| Displacement standard aux. | 20.4 cc | 20.4 cc |
| Displacement high flow aux. | N/A | N/A |
| Pump flow | 59 Lpm | 59 Lpm |
| Optional high flow | N/A | N/A |
| Loader control valve | | |
| Type | 3 Spool / open center / series | 3 Spool / open center / series |
| Relief pressure | 207 bar | 207 bar |
| Hydraulic filter | 6 micron / spin on | 6 micron / spin on |

| CYLINDERS | L213 | L215 |
|-------------------------|--------|--------|
| Lift cylinder | | |
| Bore diameter | 57 mm | 57 mm |
| Rod diameter | 35 mm | 35 mm |
| Stroke in | 645 mm | 645 mm |
| Closed length | 989 mm | 989 mm |
| Bucket cylinders | | |
| Bore diameter | 57 mm | 57 mm |
| Rod diameter | 32 mm | 32 mm |
| Stroke | 370 mm | 370 mm |
| Closed length | 594 mm | 594 mm |

| WEIGHTS | L213 | L215 |
|------------------|---------|---------|
| Operating weight | 2270 kg | 2400 kg |
| Shipping weight | 2130 kg | 2270 kg |

| SERVICE CAPACITIES | L213 | L215 |
|-------------------------|---------|---------|
| Fuel tank | 60.5 l | 60.5 l |
| Engine oil with filter | 7.5 l | 7.5 l |
| Hydraulic system | | |
| Reservoir | 15.13 l | 15.13 l |
| Chain tanks (per side) | 6.3 l | 6.3 l |

| PERFORMANCE SPECS | L213 | L215 |
|-----------------------------|---------|---------|
| Rated operating load | | |
| 50% tip | 590 kg | 680 kg |
| Tipping load | 1179 kg | 1361 kg |
| Breakout forces | | |
| Lift cylinder | 19 kN | 19 kN |
| Bucket cylinder | 18.5 kN | 18.5 kN |
| Cycle times | | |
| Raise | 3.4 sec | 3.4 sec |
| Lower | 2.1 sec | 2.1 sec |
| Dump | 1.9 sec | 1.9 sec |
| Roll back | 1.3 sec | 1.3 sec |

For all Dimensions and Performance Metrics, unless otherwise specified:

L213 – Equipped with 175 lb operator, 60" Dirt & Foundry Bucket and 10 x 16.5 tires

L215 – Equipped with 175 lb operator, 60" Dirt & Foundry Bucket and 10 x 16.5 tires

L213 L215 L218 L220 L223 L225 L230 200 SERIES SKID STEER LOADERS

Built Around You

Introducing the new 200 Series skid steer loaders. **With five years in the making, they're bigger, badder and better!**

New Holland engineers used input from hundreds of customers to design our new line of skid steers. Designed from the ground up, these machines were built around you. No matter what your line of work - agriculture, landscaping or construction – you'll work faster, smarter and more profitably with our new skid steers.

- New Holland's patented vertical lift Super Boom® design has best-in-class forward dump height and reach. It's more efficient to load materials to the center of the truck.
- Our industry leading bucket breakout force and dump angle provide fast cycle times and improve productivity.
- With the longest wheelbase in the industry and a low center of gravity, New Holland skid steers are the most stable machines on the market. Confident operators get more work done.
- Need more room? The widest, most comfortable cab in the industry gives you more head and foot room, and offers twice the visibility in critical zones. Better visibility allows efficient movement around the worksite.
- Comfortable operators get more work done. Just a few new convenience features include: keyless start, a Glide Ride option, available heated or air-ride seat and a self-leveling bucket feature.
- Daily maintenance just got easier. Our ground-level service checkpoints are easy to access and grouped together. Plus, the new flip-top cab tilts forward for complete component access.



With over 55 attachments available for the new 200 Series skid steers, these machines are multi-task masters! Whether you work in agriculture, landscaping or construction, New Holland delivers the equipment to get the job done right.

AT YOUR OWN DEALERSHIP

The information contained in this brochure is intended to be of general nature. The NEW HOLLAND CONSTRUCTION MACHINERY S.p.A. company may at any time and from time to time, for technical or other necessary reasons, modify any of the details or specifications of the product described in this brochure. Illustrations do not necessarily show products in standard conditions. The dimensions, weights and capacities shown herein, as well as any conversion data used, are approximate only and are subject to variations within normal manufacturing techniques.



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