

**L213 L215 L218 L220 L225 L230**  
**C227 C232 C238**

**200 SERIES SKID STEERS LOADERS/COMPACT TRACK LOADERS**



	<b>L213</b>	<b>L215</b>	<b>L218</b>	<b>L220</b>	<b>L225</b>	<b>L230</b>
<b>ENGINE POWER</b>	49 hp	60 hp	60 hp	60 hp	82 hp	90 hp
<b>OPERATING WEIGHT</b>	2300 kg	2430 kg	2690 kg	2930 kg	3580 kg	3765 kg
<b>RATED OPERATING CAPACITY (@50% OF TIPPING LOAD)</b>	590 kg	680 kg	818 kg	905 kg	1135 kg	1360 kg

	<b>C227</b>	<b>C232</b>	<b>C238</b>
<b>ENGINE POWER</b>	74 hp	82 hp	90 hp
<b>OPERATING WEIGHT</b>	3750 kg	4370 kg	4581 kg

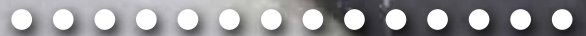


**BUILT AROUND YOU**

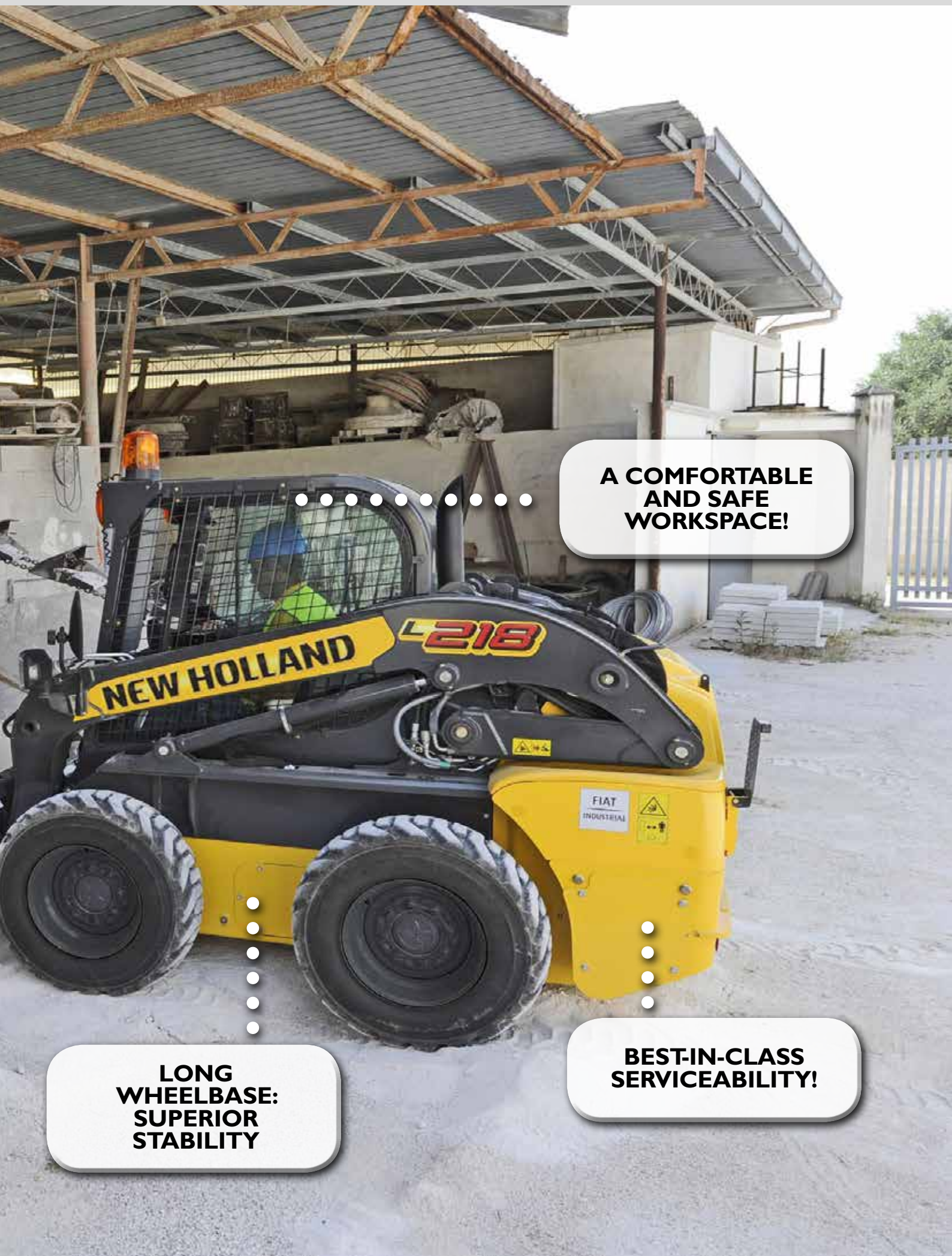
# 200 SERIES SKID STEER LOADERS &

**SERVICE PLUS FOR  
PEACE OF MIND**

**THE BEST BOOM  
ON THE MARKET!**



# COMPACT TRACK LOADERS



**A COMFORTABLE  
AND SAFE  
WORKSPACE!**

**LONG  
WHEELBASE:  
SUPERIOR  
STABILITY**

**BEST-IN-CLASS  
SERVICEABILITY!**

# THE BOOM



## VERTICAL BOOM GEOMETRY

### BEST-IN-CLASS DUMP HEIGHT AND REACH

The re-designed vertical lift geometry of the SUPER BOOM® enables operators to load material right in the centre of the truck bed. In addition, its pivot point is very close to the machine's centre of gravity, resulting in exceptional stability of the machine at work.

The patented New Holland SUPER BOOM® is standard on L218; L220; L225; C232 and C238.

## RADIAL BOOM GEOMETRY



## UNPARALLELED DIGGING EFFICIENCY

L213, L215 and C227 with their radial-lift boom geometry are ideal for digging and pushing. Productivity is boosted by their outstanding breakout force and the geometry of the arm, which ties it directly into the chassis ensuring more pushing power. Radial models are also suitable for applications where maximum reach is needed at medium height; for example at 720 mm height the reach is 1110 mm.

# SUPERIOR STABILITY

## ROCK-SOLID STABILITY

New Holland skid steer loaders have a long wheelbase, which combined with a low center of gravity and have correct front-to-rear weight distribution, resulting in a smooth and stable ride.



## NO BOUNCE WITH GLIDE RIDE

The glide ride optional feature allows the loader boom to move relative to the chassis and float on a pressurized accumulator when travelling on rough terrain, ensuring the bucket stays full with enhanced operator comfort.



## LOADING EFFICIENCY WITH SELF-LEVELLING

The glide ride optional feature allows the loader boom to move relative to the chassis and float on a pressurized accumulator when travelling on rough terrain, ensuring the bucket stays full with enhanced operator comfort.

# THE TRACK LOADERS



## MASTERS OF SLIPPERY TERRAINS

Our dozer-style undercarriage is engineered to hold fast on steep slopes and take command of muddy or sandy terrain. The undercarriage has a rigid track frame with fewer moving parts, so it is more durable and easier to maintain than suspension track systems.

## COMPACT TRACK LOADERS “GET THINNER”

Our new chassis is narrower, with all our compact track loaders less than 2 meters wide. This makes it easy to fit into tighter spaces and to load and unload the machine on trailers for hassle free transportation, and to easily into tighter spaces.

## SMART UNDERCARRIAGE TECHNOLOGY



### **Avoid de-tracking!**

Avoid de-tracking on inclines with the crawler-style rollers that have a larger inner diameter flange positioned between the track tabs.

### **Easy track clean-out!**

The elevated drive sprocket increases component life by keeping the motor assembly out of material and moisture.

### **A lifetime undercarriage!**

Sealed oil lubricated rollers and idlers grant an extended life of the undercarriage.

### **Reduce running Costs!**

The rigid undercarriage has up to 1/5 the number of moving parts to slash the running costs of the machine throughout its lifetime.

# THE HYDRAULICS

## HYDRAULIC POWER TO HANDLE ANY ATTACHMENT

200 Series offer many choices in terms of auxiliary hydraulics, providing great versatility by powering a wide variety of hydraulic attachments.



### STANDARD FLOW:

The standard flow package is included on every machine (standard feature) and is able to handle most common hydraulic attachments. It includes the "Connect Under Pressure" feature, along with a separate line to bleed trapped oil back to the tank.

### HIGH-FLOW:

up to 55% more oil flow to manage certain attachments that require more hydraulic power to work properly such as cold planers, rock wheels or small mulchers.

### ENHANCED HIGH-FLOW (EHF):

This optional feature (only available on L230 and C238) increases the pressure in the auxiliary hydraulic system to 275 bar (4000 psi) while flow remains constant. A powerful piston pump generates the high pressure required, so you can use large cold planers, mulchers and other rotating hydraulically driven attachments. The EHF option also includes a second auxiliary hydraulic circuit for applications requiring multiple movements simultaneously. Hydraulic power boost is activated just by pressing the HP (High Pressure) button on the left pillar of the machine.



The second auxiliary circuit can also be ordered as an after-market DIA Kit on L218 and larger models

# A DELUXE CAB



## BUILT FOR COMFORT

The new cab offers best-in-class comfort, with plenty of head and leg room and a radio as standard on all cab models. The good news is that the extra wide cab is standard on every model, big or small.



The flat floor gives more freedom to your feet. The mechanical suspension or heated air suspension seats add to the operator's comfort. On the models with the front door the cab is sealed and pressurised, this means that dust and water stay outside while the noise level is significantly reduced.



## CONTROLS BUILT AROUND YOU

Operators who are used to controlling directly the hydraulic pumps have the choice of hand- or footcontrolled mechanical controls.

Electro-hydraulic switchable controls are optional on all models. What's more, electro-hydraulic controls settings can be modified from the instrument cluster increasing or decreasing machine, boom and bucket speed, or simply making the joysticks more or less reactive. Even the driving pattern can be switched from ISO to H-pattern just by clicking one button, adapting to operator's preferences and habits.



# SUPERIOR VISIBILITY

## TWICE THE VISIBILITY AROUND THE WORKSITE MEANS... SAFETY!

**Front visibility:** Not only is the cab extra wide, also the threshold has been lowered to give excellent visibility on the cutting edge of the bucket.

**Side visibility:** the much larger side windows allow you to keep an eye on the wheels or tracks, and therefore have full control over the machine providing great visibility to the outside as well. Thinner side screen grids and front pillars also contribute to the outstanding visibility.

**Rear visibility:** the rear window is even bigger than before!

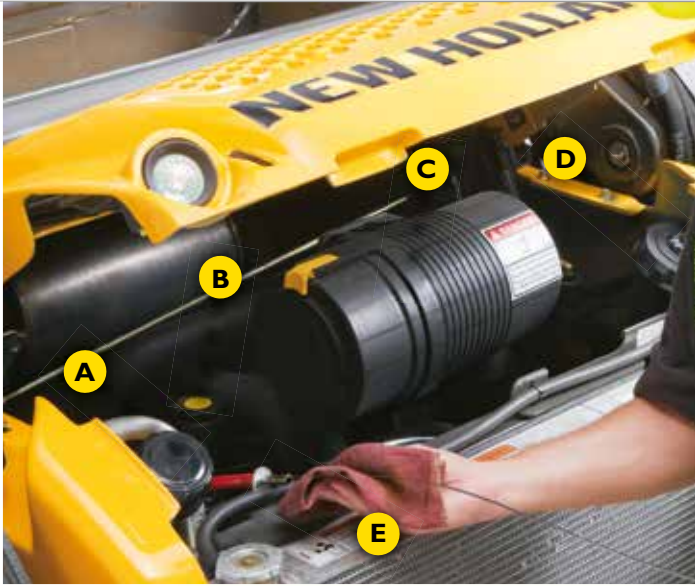
**Sky view:** the see-through area on the cab roof provides a clear view to the bucket, even when it is positioned at full height. Thanks to stability and visibility our machines are safer. Jump in, you will see it for yourself!



### INSTRUMENT DISPLAY AT EYE LEVEL

Our machines have been designed in a way that allows you to keep an eye on your bucket or attachment and check the machine display at the same time!

# EASY MAINTENANCE



- A - Hydraulic oil fill
- B - Engine oil fill
- C - Air filter
- D - Fuel fill
- E - Engine oil check

## EASY ACCESS

When routine maintenance is easy it gets done!  
The service points are grouped and easily accessible from the rear compartment door.

## TWO BOLTS AND THE CAB IS UP!

The cab tilting system is very simple and only requires the release of two bolts: the new fliptop cab tilts forward for complete component access.





## SAFETY IS OUR PRIORITY

On Superboom models, the boom can be locked in the raised position from inside the cab allowing maintenance to be carried out safely. New Holland introduced this feature with the original Super Boom, providing a giant leap forward in Skid Steer safety.



## CONVENIENT BATTERY ACCESS AND GREASING POINTS

The battery and engine oil are very easy to replace and are easily accessed by removing a cover on the left side of the rear quarter. Changing the engine and hydraulic oil has never been so easy with the lateral drain hoses!

# THE NEW HOLLAND DEALER: YOUR PROFESSIONAL PARTNER

Your success starts with world-class New Holland machinery and attachments. Your New Holland dealer will help you work smarter and faster by selecting equipment that delivers performance and operator comfort. Your dealer has the knowledge and experience necessary to help you choose the right attachments so you can...

- **Work faster and extend equipment life.**
- **Increase machine utilization.**
- **Increase your capabilities.**

Let your New Holland dealer service your machine on the jobsite. You'll be back on the job faster. Advantages include...

- **Responsive job site service to keep your equipment running.**
- **Increase machine uptime.**
- **Certified service staff and improved parts availability.**

## PARTS

When you're looking for superior parts options to maximize the performance and lower the operating costs of your New Holland machinery, turn to CNH Original Parts to keep you equipped for success. CNH Original Parts fit better, install faster and last longer and in an industry where "high impact" and "heavy lifting" are the norm, the smallest mechanical differences can lead to big problems. CNH Original Parts from New Holland are manufactured from superior materials and specifically designed for New Holland to continually and reliably withstand the punishment of everyday construction. So steer clear of mechanical problems and future breakdowns, by choosing CNH Original Parts from New Holland. They're the only parts that are field-tested and proven to keep your New Holland equipment performing its best.

## SERVICE. RELY ON NEW HOLLAND TO DELIVER FOR YOU

Your commitment to your operation is evident every day, but that doesn't minimize the enormous pressure you face to reduce operating costs and improve productivity. So when you're on the job, make sure you have top-notch service and support of New Holland behind you every step of the way. With our factory trained technicians, you can ensure that top-notch service professionals are working on your maintenance needs, so you can focus on your business and the big job challenges ahead, not on the tasks of servicing your equipment. With your New Holland Service, you get more than mere oil changes. A New Holland Service ensures your New Holland equipment receives a thorough service that meets all requirements of its service schedules and properly maintains it for the day-in, day-out punishment of construction work. Don't give another thought to time-consuming maintenance tasks. Simply rest easy and make certain that your service needs are taken care of by a New Holland factory trained technician.



When the unexpected occurs, you need to know your equipment is protected. At New Holland we understand the importance of your machinery being in good working order when it counts. Service Plus is designed to help keep your equipment working well beyond the manufacturer's base warranty period while taking away the concerns of the cost and inconvenience of mechanical failure.

### WHAT ARE THE ADVANTAGES OF SERVICE PLUS?

#### PEACE OF MIND

Provides protection beyond the Manufacturer's Base Warranty Period.

#### FLEXIBLE OPTIONS

Plans can be customised to meet individual needs.

#### DEPENDABLE SERVICE

Eligible repairs completed by an authorised New Holland Dealership and their trained service technician's using genuine OEM parts & lubricants.

#### TRANSFERABLE PROTECTION

New Equipment Plans may be transferred to a new owner at no charge

#### • STANDARD PROTECTION PLAN 3 Year / 3000 Hour

Additional years/hours can be purchased. Please contact your local New Holland dealer for further information.

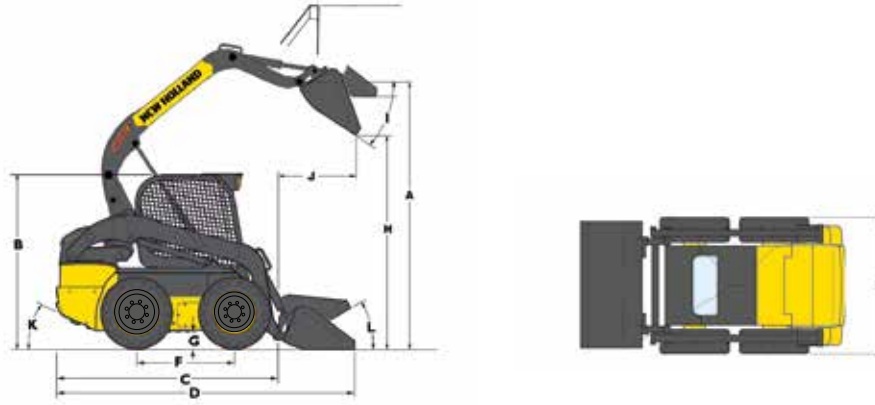
# STANDARD SERVICE PLUS PROTECTION PLAN CONSTRUCTION EQUIPMENT MASTER PARTS SCHEDULE

This plan provides coverage for the components listed below when a failure occurs due to a defect in material or workmanship, and may provide coverage for additional components not listed when the damage is caused by or resulting from a covered failure of a listed component.

## PREMIER COMPONENTS COVERED

ENGINE AND ALL INTERNAL LUBRICATED COMPONENTS WITHIN	TRANSMISSIONS/AXLES/HYDROSTATICS	ELECTRICAL	HYDRAULICS
Accessory Gears	Axle Housing	Alternator	Accumulator And Related Relief Valve
Air Intake Hose	Axle Shaft	Gauges	Brake Accumulator
Camshaft	Clutch Discs (Wet Only)	Horn	Brake Pressure Sensor
Camshaft Bearings	Clutch Plates (Wet Only)	Indicators	Brake Pump, Brake Valve
Camshaft Drive Gear	Control Rods	Instruments	Differential Lock Valve
Catalytic Converter	Counter Shaft Clutch	Electronic Joysticks	Fan Pumps And Motors
Charge Air Cooler	Differential Housing	Electric Motors	Hydraulic Cylinders
Cold Start Enrichment Systems	Differential Pinion Gear / Ring Gear	Factory Installed Telematics	Hydraulic Hoses and Piping
Connecting Rods & Bearings	Drive Axle Hub	Sensors	Hydraulic Motors
Crankshaft Bearings & Gear	Drive Shaft Support Bearing	Solenoid Valves	Hydraulic Oil Coolers
Crankshaft Including Front And Rear Crankshaft Seals	Drive Shaft with Universal Joints	Starter And Starter Solenoid	Hydraulic Pumps
Cylinder Heads/ Head Gaskets	Electronic Transmission Controller and Valve	Switches	Hydraulic Reservoir
Cylinder Liners	Enclosed Oil Immersed Chains and Sprockets	Traction Control System	Hydraulic Valves
Diesel Exhaust Fluid Tank and Dispensing System	External Oil Lines	Voltage Regulator	Internal O-Rings and Bonded Washers
Diesel Particulate Filter	Filler Tubes (Transmission)	Wiring Harnesses	Pilot Control
EGR System Manifold	Final Drive Pinion	Wiring Harnesses Exclusions	Pressure Reducing Valves
Electronic Engine Control Module	Final Drive Planetary Gears	Rubbing, Chafing, Loose Or Corroded Connections	Unloading Valves
Engine Block	Front Wheel Drive Sensors	<b>FACTORY INSTALLED HEAT AND AIR CONDITIONING</b>	<b>STRUCTURAL</b>
Engine Mounts And Supports	Hydraulic Drive / Travel Motor	Accumulator	Backhoe Booms
Engine Oil Cooler	Hydraulic Drive Pump	Clutch	Backhoe/Excavator Dipper Sticks
Engine Speed Controls, Linkages, and Cables	Hydraulic Transmission-Control Valve	Compressor	C Frame
Exhaust Manifold and Muffler	Hydrostatic Motor	Condenser	Car Body
Fan And Fan Drive	Hydrostatic Transmission Charge Pump	Dryer	Chassis
Filter Mount	Hydrostatic Transmission Pump	Evaporator	Circle Frame
Flywheel, Ring Gear	Hydrostatic/Hydraulic Pump Drives	Expansion Valve	Engine Frame
Front And Rear Engine Covers And Seals	Internal Lubricated Clutch Housings	Heater Core	Equipment Frame
Front Damper	Internal Transmission Control Linkage	Hoses	Excavator Booms
Fuel Lines	Internal Wet Service Brakes	Pulley	Falling Object Protection Structure (FOPS)
Fuel Tank	MFWD Axle/Differential Assembly including Driveshaft and U Joint	Seals & Gaskets	Forklift Masts
Fuel Transfer Pump & Gasket	Planetary Gear Carrier	Temperature Control Programmers and Valves	Inner and Outer Dipper Arms of the Extendable Boom (Backhoe Loader)
Injection Pump	Pneumatic Valves	<b>OPERATOR AREA</b>	Main Frame
Injectors	Rotary Hydraulic Manifold	Covers and Panels	Rollover Protection Structure (ROPS)
Intake and Exhaust Manifold And Gaskets	Splitter Drive/Drop Box	Exterior/Interior Door/Panel Latches, Hinges & Struts	Swing Frame
Oil Filler Tube	Steering Clutches (Wet)	Exterior/Interior Moldings	Swing Tower Castings (Backhoe Loader)
Oil Lines	Swing Motor And Swing Gear Box	Knobs for Switches and Handles	Track Frame
Oil Pan And Gasket	Torque Converter	Mirrors	Wheel Loader/Skid steer Loader Arms
Oil Pump	Torque Converter Pump	Seat Frame & Suspension	
Pistons & Rings	Transfer Drive		
Pre-Cleaner/Air Cleaner Housing	Transmission Case		
Pressure/Temperature Sensors & Sending Units	Transmission Gears, Bearings, & Shafts		
Pulleys	Transmission Pump		
Radiator	Travel & Swing Sections (only) Of Main Control Valve		
Rocker Arm Assembly	Travel Control Valve		
Selective Catalytic Reduction System	Turntable Bearing		
Thermostats	Undercarriage Roller And Idler Seals And Bearings		
Timing Gears	Undercarriage Tensioners		
Turbocharger And Gasket	<b>UNDERCARRIAGE EXCLUSIONS:</b>		
Valve Cover And Gasket	Sprocket, Tracks, Pads, Bolts, Chains, Or Any Failure Due To Wear, Or Breakage Caused By Wear		
Water Piping			
Water Pumps			

# L213/L215/L218/L220/L225



## DIMENSIONS

		L213	L215	L218	L220
<b>A</b> - Height to Bucket Hinge Pin	mm	2.845	2.845	3.048	3.073
<b>B</b> - Height to Top of ROPS	mm	1.919	1.919	1.974	1.998
<b>C</b> - Length without attachment	mm	2.435	2.435	2.685	2.685
<b>D</b> - Length with bucket *	mm	3.028	3.028	3.352	3.338
<b>E</b> - Overall Width	mm	1.518	1.518	1.678	1.755
<b>F</b> - Wheelbase	mm	941	941	1.128	1.128
<b>G</b> - Ground Clearance	mm	178	178	178	203
<b>H</b> - Dump height *	mm	2.246	2.246	2.377	2.402
<b>I</b> - Dump Angle	°	40°	40°	52°	52°
<b>J</b> - Dump Reach @ Max Height	mm	469	469	783	758
Dump Reach @ Max Height with LPE Bucket	mm	675	675	946	921
<b>K</b> - Angle of Departure	°	22	22	23	25
<b>L</b> - Rollback Angle (Bucket on Ground)	°	26	26	35	34

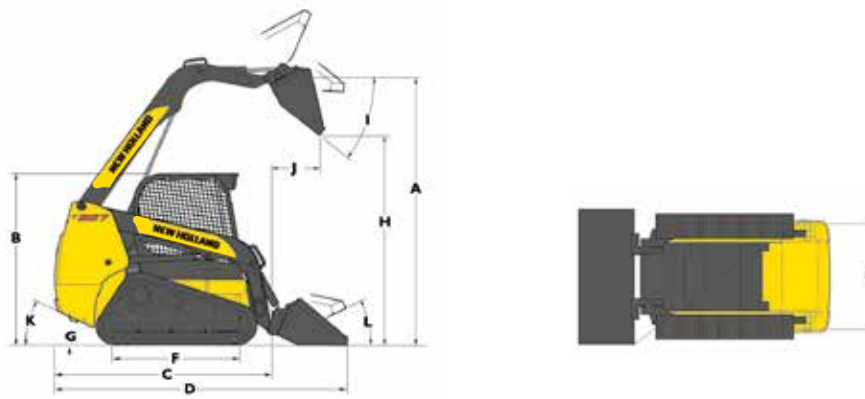
\*With D&F Bucket L230 equipped with 10x16.5 tyres

## SPECIFICATIONS

		L213	L215	L218	L220
<b>BOOM GEOMETRY</b>		Radial	Radial	Vertical	Vertical
<b>PERFORMANCE SPECS</b>					
Rated Operating Capacity 50%	kg	590	680	818	905
ROC with counterweights 50%	kg	635	725	863	950
Tipping Load	kg	1.179	1.361	1.633	1.814
Lift Cylinder Breakout Force*	kN	13.0	14.0	11.7	15.3
Bucket Cylinder Breakout Force*	kN	18.6	18.6	24.7	32.5
<b>ENGINE</b>					
Engine Brand		ISM	ISM	ISM	ISM
Displacement	l	2.2	2.2	2.2	2.2
Horsepower	hp	49 hp @ 2.800 rpm	60 hp @ 2.800 rpm	60 hp @ 2.800 rpm	60 hp @ 2.800 rpm
Peak torque	Nm	143 Nm @ 1.750 rpm	171 Nm @ 1.750 rpm	171 Nm @ 1.750 rpm	171 Nm @ 1.750 rpm
<b>TRAVEL SPEED</b>					
Low Range	km/h	12.7	12.7	12.7	12.7
High Range (Optional)	km/h	NA	NA	18.0	18.0
<b>HYDRAULIC SYSTEM</b>					
Pump flow	LMP	59	59	72	72
Optional high flow	LMP	NA	NA	109	109
Relief Pressure	bar	210	210	210	210
<b>WEIGHTS</b>					
Operating Weight (with GP bucket)	kg	2.300	2.430	2.690	2.930
Shipping Weight	kg	2.160	2.300	2.550	2.795
<b>SERVICE CAPACITY</b>					
Fuel Tank	l	60.5	60.5	75.5	75.5

\*Breakout forces estimated considering both tip and hydraulic limits.

# /L230/C227/C232/C238



## DIMENSIONS

		L225	L230	C227	C232	C238
<b>A</b> - Height to Bucket Hinge Pin	mm	3.290	3.330	3.124	3.330	3.330
<b>B</b> - Height to Top of ROPS	mm	2.002	2.042	1.998	2.043	2.043
<b>C</b> - Length without attachment	mm	2.986	2.986	2.669	2.993	2.986
<b>D</b> - Length with bucket *	mm	3.624	3.624	3.292	3.631	3.624
<b>E</b> - Overall Width	mm	1.768	1.930	1.676	1.930	1.930
<b>F</b> - Wheelbase	mm	1.322	1.322	NA	NA	NA
<b>G</b> - Ground Clearance	mm	203	243	203	243	243
<b>H</b> - Dump height *	mm	2.615	2.655	2.495	2.655	2.655
<b>I</b> - Dump Angle	°	55°	55°	40°	55°	55°
<b>J</b> - Dump Reach @ Max Height	mm	820	780	568	864	864
Dump Reach @ Max Height with LPE Bucket	mm	985	944	747	1.039	1.039
<b>K</b> - Angle of Departure	°	24°	27°	32°	32°	32°
<b>L</b> - Rollback Angle (Bucket on Ground)	°	34°	33°	31°	33°	33°

\*With D&F Bucket L230 equipped with 10x16.5 tyres

## SPECIFICATIONS

		L225	L230	C227	C232	C238
<b>BOOM GEOMETRY</b>		Vertical	Vertical	Radial	Vertical	Vertical
<b>PERFORMANCE SPECS</b>						
Rated Operating Capacity (ROC)	kg	1.135	1.360	50% 1.225/35% 859	50% 1.451/35% 1.1018	50% 1.723/35% 1.209
ROC with counterweights	kg	1.225	1.450	50% 1.280/35% 914	50% 1.711/35% 1.1278	50% 1.983/35% 1.469
Tipping Load	kg	2.268	2.722	2.449	2.902	3.447
Lift Cylinder Breakout Force*	kN	22.6	28.2	27.0	21.5	27.2
Bucket Cylinder Breakout Force*	kN	38.3	38.3	32.3	33.4	32.7
<b>ENGINE</b>						
Engine Brand		FPT	FPT	FPT	FPT	FPT
Displacement	l	3.2	3.2	3.2	3.2	3.2
Horsepower	hp	82 hp @ 2.500 rpm	90 hp @ 2.500 rpm	74 hp @ 2.500 rpm	82 hp @ 2.500 rpm	90 hp @ 2.500 rpm
Peak torque	Nm	305 Nm @ 1.400 rpm	340 Nm @ 1.400 rpm	275 Nm @ 1.400 rpm	305 Nm @ 1.400 rpm	305 Nm @ 1.400 rpm
<b>TRAVEL SPEED</b>						
Low Range	km/h	11.3	12.4	8.2	8.2	8.2
High Range (Optional)	km/h	16.9	18.5	12.2	12.2	12.2
<b>HYDRAULIC SYSTEM</b>						
Pump flow	LMP	85	87	85	85	85
Optional high flow	LMP	131	131	117	131	131
Relief Pressure	bar	210	210	210	210	210
<b>WEIGHTS</b>						
Operating Weight (with GP bucket)	kg	3.580	3.765	3.3750	4.370	4.581
Shipping Weight	kg	3.430	3.610	3.615	4.220	4.430
<b>SERVICE CAPACITY</b>						
Fuel Tank	l	96.5	96.5	75.5	96.5	96.5

\*Breakout forces estimated considering both tip and hydraulic limits.

# PARTS AND SERVICE

The New Holland dealer network is, in itself, the best guarantee of continued productivity for the machines it delivers to its customers. New Holland service technicians are fully equipped to resolve all maintenance and repair issues, with each and every service point providing the high standards they are obliged to observe under New Holland's stringent quality guidelines. The New Holland global parts network ensures fast, reliable, replacement parts for less downtime, increased productivity and, of course, profitable operation for its customers.



## AT YOUR OWN DEALERSHIP

The information contained in this brochure is intended to be of general nature only. 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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