

L213 L216 L218 L220 L223 L230 C227 C238
200 SERIES SKID STEERS LOADERS/COMPACT TRACK LOADERS



	L213	L216	L218	L220	L223	L230
ENGINE POWER	49 hp	60 hp	60 hp	67 hp	74 hp	90 hp
OPERATING WEIGHT	2300 kg	2505 kg	2832 kg	2980 kg	3350 kg	3765 kg
RATED OPERATING CAPACITY (@50% OF TIPPING LOAD)	590 kg	725 kg	818 kg	905 kg	1020 kg	1360 kg

	C227	C238
ENGINE POWER	74 hp	90 hp
OPERATING WEIGHT	3720 kg	4581 kg
RATED OPERATING CAPACITY (@50% OF TIPPING LOAD)	1225 kg	1723 kg



200 SERIES SKID STEER LOADERS & COMPACT TRACK LOADERS



**THE BEST BOOM
ON THE MARKET!**

**A COMFORTABLE
AND SAFE
WORKSPACE!**

**ENVIRONMENT-
FRIENDLY
TECHNOLOGY**

**BEST-IN-CLASS
SERVICEABILITY!**

**MANY
ATTACHMENTS
TO EXPAND
YOUR BUSINESS
OPPORTUNITIES!**

**LONG WHEELBASE:
SUPERIOR
STABILITY**

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; L223 and C238.

RADIAL BOOM GEOMETRY



UNPARALLELED DIGGING EFFICIENCY

L213, L216 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 719 mm height the reach is 1.109 mm!

SUPERIOR STABILITY



ROCK-SOLID STABILITY

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



NO BOUNCE WITH GLIDE RIDE

The Glide Ride optional feature prevents the arm from bouncing when travelling on rough terrain, ensuring the bucket stays full and enhancing operator comfort.



LOADING EFFICIENCY WITH SELF-LEVELLING

The optional self-levelling system provides increased attachment control since the bucket stays parallel to the ground during loader raise operations, preventing material spillage and increasing precision on load handling operations.

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; our compact track loaders C227 and C238 are less than 2 meters wide. This makes it easy to load and unload the machine on trailers for easy transportation.



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.

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.



HIGH-FLOW:

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



ENHANCED HIGH-FLOW (EHF):

This optional feature (only available on L230 and C238) increases the pressure in the auxiliary hydraulic system by 70 bar, while flow remains constant. Powerful piston pumps required to generate such high pressure, allow you to use large cold planers, mulchers and other rotating motorized implements. The EHF option (Option Package 7) includes also 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.



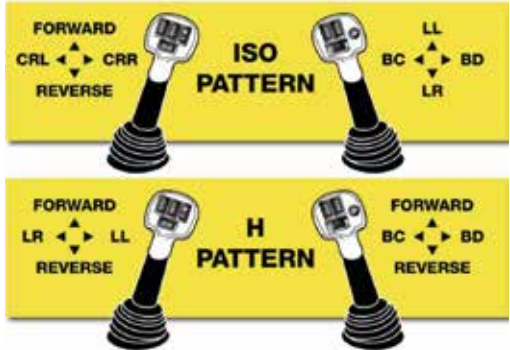
The second auxiliary circuit can also be ordered as an after-market DIA Kit on L218 and larger models

A DELUXE CAB



COMFORT CAB

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



CONTROLS BUILT AROUND YOU

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.

- CRL** = Counter Rotate Left
- CRR** = Counter Rotate Right
- LR** = Lift Arm Raise
- LL** = Lift Arm Lower
- BC** = Bucket Curl
- BD** = Bucket Dump



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 and the noise level is significantly reduced.

SUPERIOR VISIBILITY



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

FRONT VISIBILITY:

Not only is the cab very 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!



ENVIRONMENT-FRIENDLY TECHNOLOGY

TIER 4 TECHNOLOGY BOOSTS PRODUCTIVITY

New Holland upgraded Tier 4 machines deliver more performance in an environmentally friendly way. New technological solutions, such as the electronic engine control, the High Pressure Common Rail (HPCR) or the DOC-only after-treatment systems, deliver more power, more precision and an optimised usage of fuel.

MODEL	EMISSION LEVEL	ENGINE	HP	ENGINE CONTROL	AFTER TREATMENT
L213	Tier 4i / Stage 3A	ISM N844L-D (Nat. asp.)	49 hp	Mechanical Pump & Mechanical Throttle	Internal CEGR
L216	Tier 4 Final / Stage 3B	ISM N844LT-F (Turbo)	60 hp	Mechanical Pump & Electronic Throttle	DPF & DOC
L218	Tier 4 Final / Stage 3B	ISM N844LTA-DI-F (Turbo)	60 hp	Electronic Pump & Throttle (HPCR Injection)	DOC only
L220	Tier 4 Final / Stage 3B	ISM N844LTA-DI-F (Turbo)	67 hp	Electronic Pump & Throttle (HPCR Injection)	DOC only
L223	Tier 4i / Stage 3A	FPT F5C (Turbo)	74 hp	Mechanical Pump & Mechanical Throttle	Internal CEGR
L230	Tier 4i / Stage 3B	FPT F5H (Turbo)	90 hp	Electronic Pump & Throttle (HPCR Injection)	DPF & DOC
C227	Tier 4i / Stage 3A	FPT F5C (Turbo)	74 hp	Mechanical Pump & Mechanical Throttle	Internal CEGR
C238	Tier 4i / Stage 3B	FPT F5H (Turbo)	90 hp	Electronic Pump & Throttle (HPCR Injection)	DPF & DOC



New 3.4 liter FPT engine. Advanced Electronic Engine Control with multiple injection high pressure common rail system that delivers higher torque and transforms every drop of fuel into useful power.

CHARGE AIR COOLER



DIESEL PARTICULATE FILTER



EASY MAINTENANCE



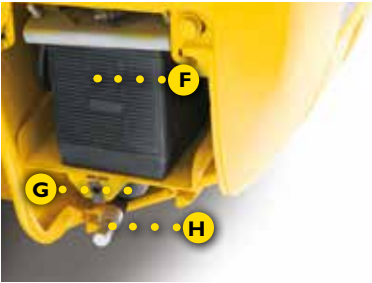
CONVENIENT BATTERY ACCESS AND GREASING POINTS

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!



SAFETY IS A PRIORITY

The boom can be locked in the upper position from inside the cab allowing maintenance to be carried out safely. When the cab is tilted an automatic system locks it granting operator's safety.



- A - Hydraulic oil fill
- B - Engine oil fill
- C - Air filter
- D - Fuel fill
- E - Engine oil check
- F - Battery
- G - Engine oil filter
- H - Engine oil drain

EASY ACCESS

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



THE ATTACHMENTS

200 SERIES GIVE YOU MANY BUSINESS OPPORTUNITIES

New Holland skid steer loaders and compact track loaders are masters of versatility, since they can tackle with ease an astonishing variety of tasks thanks to the wide range of attachments available



CONNECT UNDER PRESSURE

The attachments are easy and fast to change with the standard Connect Under Pressure feature. Pressure is automatically released when the auxiliary line is disconnected. No wrenches are needed. In addition, the optional hydraulic attachments coupler increases uptime and productivity on the jobsite by allowing operators to exchange attachment quickly and safely without getting off the cab.

WHEEL EXCAVATOR



WHEEL WIDTH (mm)	DEPTH (mm)	WEIGHT (kg)	FLOW	COMPATIBLE NH MOD.
130	150-450	1155	High	L223 and bigger
130	200-600	1260	High	L223 and bigger

APPLICATION: Trenching jobs on hard, compact materials like asphalt and concrete, digging trenches on roads or in areas where movement is restricted.

PLANER



WIDTH (mm)	DEPTH (mm)	WEIGHT (kg)	FLOW	COMPATIBLE NH MOD.
350	0 - 110	590	Std	L218 and bigger
450	0 - 150	790	High	L218/L220/C227
600	0 - 170	950	High	L223 and bigger
1.000	0 - 130	1.090	High	L223 and bigger

APPLICATION: Planing on asphalt or concrete. Overlaying road, industrial and courtyard surfaces. Maintenance of stretches of road. Restoration of damaged, bumpy or worn surfaces.

BROOM BUCKET



WIDTH (mm)	WEIGHT (kg)	COMPATIBLE NH MOD.
1525	225	L213 L216
1680	278	L218 L220
1850	460	L218 and bigger
2080	522	L223 and bigger

APPLICATION: Clearing yards, roads, footpaths, etc. Also efficient for snow clearance.

CEMENT MIXER



WIDTH (mm)	DEPTH (mm)	WEIGHT (kg)	FLOW	COMPATIBLE NH MOD.
1250	200	280	Std	L213-L216
1500	300	300	Std	L218 and bigger
1660	350	380	Std	L223 and bigger
1700	400	450	Std	C232-C238

APPLICATION: Production of cement for civil construction in isolated or difficult-to-access areas, or with limited availability of electric energy.

FARM FORK



WIDTH (mm)	WEIGHT (kg)	COMPATIBLE NH MOD.
1525	153	L213-L216
1680	170	L218-L220
1850	185	L218 and bigger
2080	242	L223 and bigger

APPLICATION: General farm yard applications.

THE ATTACHMENTS



FORK AND GRAPPLE



WIDTH (mm)	WEIGHT (kg)	COMPATIBLE NH MOD.
1525	250	L213-L216
1680	260	L218-L220
1850	310	L218 and bigger
2080	380	L223 and bigger

APPLICATION: "Mucking out" bale and silage handling. Also suitable for industrial applications.

BALE SPIKE



FORK LENGTH (mm)	WEIGHT (kg)	COMPATIBLE NH MOD.
980	79	All

APPLICATION: Handling of round bales.

WIDE RANGE OF BUCKETS



WIDTH (mm)	COMPATIBLE NH MOD.
1525	L218-L220
1680	L218-L220
1830	L223-L225
1850	L223-L225-C227
2080	L223 and bigger

APPLICATION: Digging, excavating, grading, material handling.

DIRT & FOUNDRY
LOW PROFILE EXTENDED
HEAVY DUTY
MANURE/SLURRY
LIGHT MATERIAL

4X1 MULTIPURPOSE BUCKET



WIDTH (mm)	WEIGHT (kg)	COMPATIBLE NH MOD.
1525	253	L213-L216
1680	283	L218-L220
1850	340	L218 and bigger
2080	435	L223 and bigger

APPLICATION: Applications as conventional bucket, grab for back filling or as a dozer.

HIGH TIP BUCKET



WIDTH (mm)	WEIGHT (kg)	COMPATIBLE NH MOD.
1525	364	L213-L216
1680	285	L218-L220
1850	352	L218 and bigger
2080	496	L223 and bigger

APPLICATION: Increase dump height by 800 to 1.200 mm.

PALLET FORK



FORK LENGTH (mm)	WEIGHT (kg)	COMPATIBLE NH MOD.
1000	160	C227 and smaller
1100	164	C227 and smaller
1200	168	All

APPLICATION: Handling of palletized loads.

THE ATTACHMENTS



Not all the attachment range is listed in this brochure, for complete list check P&S attachment catalogue.

HAMMERS

WIDTH (mm)	DEPTH (mm)	WEIGHT (kg)	FLOW	COMPATIBLE NH MOD.
N.A.	N.A.	160	Std	L213 L216
N.A.	N.A.	210	Std	L213 L216
N.A.	N.A.	275	Std	L218 and bigger
N.A.	N.A.	370	Std	L223 and bigger
N.A.	N.A.	505	High	L223 and bigger

APPLICATION: Concrete demolition jobs, trenching and general excavation work.

AUGER (STD FLOW) / AUGER (HIGH FLOW)

AUGER MAX DIAM. (mm)	DEPTH (mm)	WEIGHT (kg)	FLOW	COMPATIBLE NH MOD.
760	1200	20-175	Std	All
900	1200	30-225	High	L218 and bigger with High Flow

APPLICATION: Boring of holes in the ground such as telegraph poles, electricity pylons, signposts, metallic frame pillars, tree and shrub planting.

TELEMATICS INSIDE



HOW IT WORKS

FLEETFORCE™

LOWER MAINTENANCE AND OPERATING COSTS

You can access the maintenance information of every unit in your fleet from your desk and receive alerts when a machine is due for service. The maintenance plans can be synchronised automatically with your dealer, so that they run smoothly and the good health of the entire fleet is maintained at all times.

HEALTH CHECK AND BREAKDOWN PREVENTION

New Holland's telematics system will provide you with detailed performance information, such as engine load, fuel consumption and Can-Bus based reports, so that you will be able to detect immediately if any of your units is not operating as it should. You and your dealer will also be able to monitor up to 12 key health parameters for each unit, such as engine, coolant and hydraulic oil temperatures, and other Can-Bus based data. This will enable you to detect any anomalies before they become a problem and prevent equipment failures.

EFFECTIVE FLEET MANAGEMENT

New Holland's telematics system puts you in direct contact with each machine in your fleet, collects the performance and maintenance information from the units and their location data from GPS satellites and transmits it all through the mobile networks to the New Holland Telematics Web Portal: you can manage your fleet efficiently without leaving your desk.

MAXIMISE YOUR FLEET'S PRODUCTIVITY

You can map the location of every unit and monitor when it is working, idle or travelling between jobsites. By identifying under- or over-used machines, you will be able to optimise the utilisation of the equipment through effective job assignment and preventing machines being left idling when not working.

SECURITY AND CONTROL

You can also geo-fence your machines so that an e-mail alert is sent if one is taken out of the jobsite. You can also prevent the unauthorised use of the units setting up a working curfew and motion detection service to alert you if a machine is moved out of hours. By improving your fleet's security, you will also benefit from lower insurance premiums.



1

GPS POSITIONING

Your machine receives its GPS positioning from the satellite.



2

INFORMATION GATHERING

Your machine collects its working condition, engine and Can-Bus information, and sends it to the New Holland Fleetforce Web Portal through the mobile networks.



3

INFORMATION STORAGE AND PROCESSING

The New Holland Fleetforce Web Portal stores all your machine's information throughout its life cycle and makes it accessible to you in a user-friendly format.

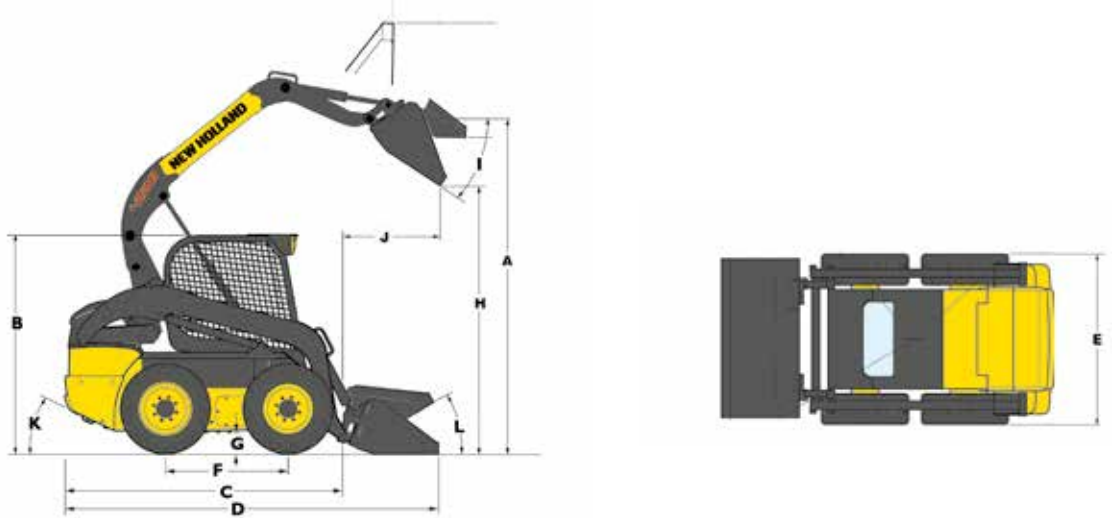


4

MANAGING YOUR FLEET

You can access your machine's reports on your computer, through the New Holland Fleetforce Web Portal, and manage your fleet without leaving your desk.

DIMENSIONS

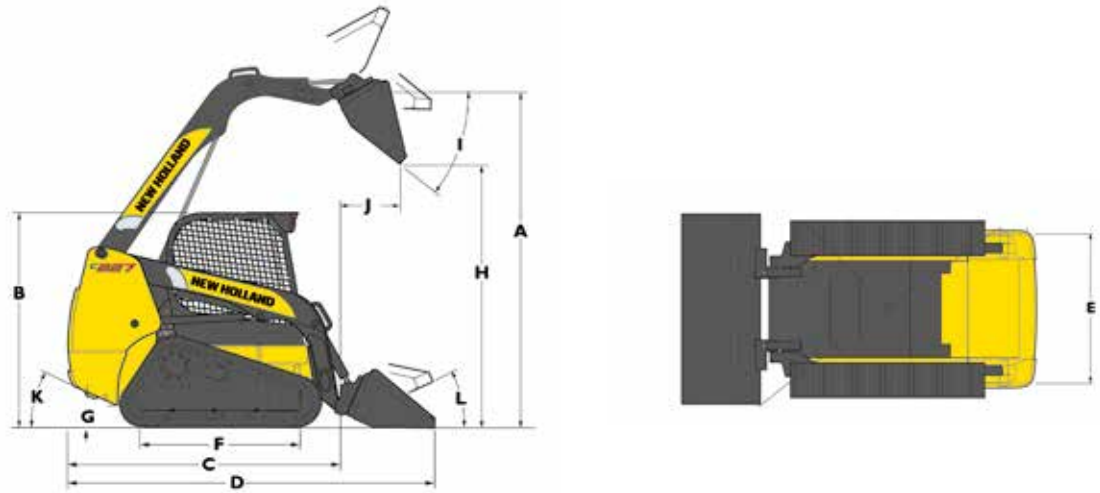


		L213	L216	L218	L220
A - Height to Bucket Hinge Pin	mm	2.845	2.845	3.048	3.073
B - Height to Top of ROPS	mm	1.919	1.919	1.974	1.998
C - Length without attachment	mm	2.435	2.435	2.685	2.685
D - Length with bucket *	mm	3.028	3.028	3.352	3.338
E - Overall Width	mm	1.518	1.518	1.678	1.755
F - Wheelbase	mm	941	941	1.128	1.128
G - Ground Clearance	mm	178	178	178	203
H - Dump height *	mm	2.246	2.246	2.377	2.402
I - Dump Angle	°	40	40°	52°	52°
J - Dump Reach @ Max Height	mm	469	469	783	758
K - Angle of Departure	°	22	22	23	25
L - Rollback Angle (Bucket on Ground)	°	26	26	35	34

*With D&F Bucket L230 equipped with 14x17,5 tyres

SPECIFICATIONS

		L213	L216	L218	L220
FRAME SIZE		Small Frame	Small Frame	Medium Frame	Medium Frame
EMISSIONS LEVEL					
Emissions Level		Tier 4i / Stage 3A	Tier 4F / Stage 3B	Tier 4F / Stage 3B	Tier 4F / Stage 3B
PERFORMANCE SPECS					
Rated Operating Capacity 50%	kg	590	725	818	905
ROC with counterweights 50%	kg	635	770	863	950
Tipping Load	kg	1.179	1.455	1.633	1.814
Lift Cylinder Breakout Force	KN	13,0	15,0	12,0	15,3
Bucket Cylinder Breakout Force	KN	19,0	23,4	24,7	32,5
ENGINE					
Engine Make - Model		ISM N844L-D (Nat.Asp.)	ISM N844LT-F (Turbo)	ISM N844LTA-DI-F	ISM N844LTA-DI-F
Displacement	l	2,2	2,2	2,2	2,2
Horsepower	hp	49 hp @ 2.800 rpm	60 hp @ 2.800 rpm	60 hp @ 2.900 rpm	67 hp @ 2.800 rpm
Peak torque	Nm	143 Nm @1.800 rpm	188 Nm @ 1.800 rpm	183 Nm @ 1.800 rpm	208 Nm @ 1.800 rpm
TRAVEL SPEED					
Low Range	km/h	12,7	11,9	11,9	11,9
High Range (Optional)	km/h	NA	NA	18,5	18,5
HYDRAULIC SYSTEM					
Pump flow	LPM	59	70	78	78
Optional high flow	LPM	N/A	N/A	116	116
Relief Pressure	bar	210	210	210	210
WEIGHTS					
Operating Weight	kg	2.300	2.505	2.832	2.980
Shipping Weight	kg	2.160	2.370	2.695	2.840
SERVICE CAPACITY					
Fuel Tank	l	60,5	60,5	75,5	75,5



		L223	L230	C227	C238
A - Height to Bucket Hinge Pin	mm	3.290	3.330	3.124	3.330
B - Height to Top of ROPS	mm	2.002	2.042	1.998	2.043
C - Length without attachment	mm	2.993	2.986	2.669	2.986
D - Length with bucket *	mm	3.631	3.624	3.292	3.624
E - Overall Width	mm	1.758	1.930	1.676	1.930
F - Wheelbase	mm	1.322	1.322	NA	NA
G - Ground Clearance	mm	203	243	203	243
H - Dump height *	mm	2.615	2.655	2.495	2.655
I - Dump Angle	°	55°	55	40°	55°
J - Dump Reach @ Max Height	mm	820	780	568	864
K - Angle of Departure	°	24	27	32	32°
L - Rollback Angle (Bucket on Ground)	°	34	33	31	33°

*With D&F Bucket L230 equipped with 14x17,5 tyres

		L223	L230	C227	C238
FRAME SIZE		Large Frame	Large Frame	Medium Frame	Large Frame
EMISSIONS LEVEL					
Emissions Level		Tier 4i / Stage 3A	Tier 4i / Stage 3B	Tier 4i / Stage 3A	Tier 4i / Stage 3B
PERFORMANCE SPECS					
Rated Operating Capacity 50%	kg	1.020	1.360	50%: 1.225 35%: 859	50%: 1.723 35%: 1.209
ROC with counterweights 50%	kg	1.110	1.450	50%: 1280 35%: 914	50%: 1.948 35%: 1.394
Tipping Load	kg	2.041	2.722	2.449	3.447
Lift Cylinder Breakout Force	KN	20,3	28,2	27,0	27,2
Bucket Cylinder Breakout Force	KN	32,3	38,3	32,3	32,7
ENGINE					
Engine Make - Model		FPT F5C (Turbo)	FPT F5H (Turbo)	FPT F5C (Turbo)	FPT F5C (Turbo)
Displacement	l	3,2	3,4	3,2	3,4
Horsepower	hp	74 hp @ 2.500rpm	90 hp @ 2.500 rpm	74 hp @ 2.500rpm	90 hp @ 2.500 rpm
Peak torque	Nm	275 Nm @ 1.400 rpm	383 Nm @ 1.400 rpm	275 Nm @ 1.400 rpm	383 Nm @ 1.400 rpm
TRAVEL SPEED					
Low Range	km/h	12,1	12,1	9,3	8,2
High Range (Optional)	km/h	19,8	19,8	13,4	12,2
HYDRAULIC SYSTEM					
Pump flow	LPM	85	92	85	92
Optional high flow	LPM	131	143	116	143
Relief Pressure	bar	210	210	210	210
WEIGHTS					
Operating Weight	kg	3.350	3.765	3.720	4.581
Shipping Weight	kg	3.200	3.610	3.585	4.430
SERVICE CAPACITY					
Fuel Tank	l	96,5	96,5	75,5	96,5

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.

Published by NEW HOLLAND CONSTRUCTION MACHINERY S.p.A.
Printed in Italy - MediaCross Firenze - Cod 30702GB - Printed 04/14

Printed on recycled paper
CoC-FSC 000010 CQ Mixed sources



ELEMENTAL
CHLORINE
FREE
GUARANTEED



www.newholland.com

