

# W130c

## TIER 2



	<b>W130C</b>
<b>STANDARD BUCKET PAYLOAD</b>	4.4 ton
<b>BUCKET VOLUME</b>	2.1 - 5 m <sup>3</sup>
<b>PRODUCTIVITY (50 m DISTANCE)</b>	227 t/h
<b>OPERATING WEIGHT</b>	12.5 ton
<b>MAX GROSS POWER</b>	172 hp



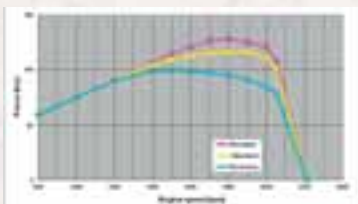
**BUILT AROUND YOU**

# THE MAIN COMPONENTS OF OUR W



1

## MULTIPLE WORK MODES



FPT NEF Engines with the well-proven and reliable technology developed for construction equipment offers also MULTIPLE WORK MODES. The operator can dependent on his needs select one of the following electronically pre-set power modes: MAX, STANDARD or ECONOMY Power mode.

2

## THE HEAVY DUTY AXLES WITH 100% FRONT LOCK\*



\*optional in alternative to Limited slip differentials



# HEEL LOADER



4

3

## THE COOLING BOX



Most wheel loaders mount their radiators back to back. At New Holland we have mounted them to form a cooling module like a box. The benefit is better cooling, in the harshest of environments. In addition, with a programmable reversing fan as standard, cleaning radiators will become a thing of the past.

4

## MORE PAYLOAD WITH REAR MOUNTED ENGINE



Rear mounted engine result for you is more material in your bucket. In addition, it allows to use less counterweight. Less dead weight results in less stress on the axles, the brakes and the tyres.

# PRODUCTIVITY



## LESS FUEL WITH BETTER COMBUSTION

Engine combustion is optimised for efficiency: it only uses fresh air and occurs at optimum temperature, guaranteeing the best engine output for power and fuel efficiency.

## LESS FUEL WITH AN AUTOMATIC POWER MODER

Thanks to the EEMS (Engine Electronic Management System) the operator can select manually between Maximum, Standard, Economy or Automatic Power Mode. In the Automatic Power Mode, the electronic will constantly adapt and match the engine power curve to the machine application.

## CUT FUEL WASTE WITH ECOSTOP

ECOSTOP automatically shuts down the engine and the electric system after 5 minutes of idling, so there is no waste of fuel.





## **MORE MATERIAL IN THE BUCKET WITH REAR MOUNTED ENGINE**

Rear mounted engine result for you is more payload in your bucket.

In addition, it allows to use less counterweight. Less dead weight results in less stress on the axles, the brakes and the tyres.

## **LESS MAINTENANCE WITH OPEN DIFFERENTIAL**

The optional open differentials and front auto-lock reduce tire wear because of no wheel slippage.

The absence of friction in the differentials increases oil life by 50%.

More effective lubrication with longer lasting effect increases reliability.

For a limited investment you can choose the limited slip differentials mounted on heavy duty front axle and rear standard axle.

## **LESS MAINTENANCE WITH THE COOLING BOX**

We designed our cooling system to maximise its efficiency, making a box of the radiators rather than following the traditional approach of having them overlap. Our design significantly improves the cooling performance, lengthening the life of the oil 50%. The better quality of the oil also means a longer life for your wheel loader.

# WELCOME ON BOARD



## OUTSTANDING VISIBILITY

You can work fast and confidently with excellent all-round visibility, further enhanced by the curved shape of the rear hood, which is very low due to the small cooling package.





## EXTRA WIDE ACCESS

The 4 wide steps and 2 handles make it easy for you to reach the cab; the wide door with no obstacles makes it easy to gain access.

## SUPERIOR AIR VENTILATION

You can work in comfort with the efficient ventilation ensured by 16 air vents and the optional air conditioning system. In addition, the doors open 180° and can be easily locked in open position or unlocked from the driver's seat



## **OPERATOR SAFETY AND LOW VIBRATIONS**

You will enjoy the protection of our reinforced cab, which guarantees protection against roll over (ROPS) and falling objects (FOPS). We placed the engine at the back of the machine, far from the cab, so that you will feel lower vibrations in the cab.

## **SITTING COMFORTABLY WITH CONTROLS AT YOUR FINGERTIPS**

You will enjoy the comfort of the heated seat with high vibration absorption. You can focus entirely on the job at hand and work comfortably with the ergonomic positioning of the control panel under your right hand. The overhead radio positioning and ample storage add up to great convenience for you.





## EASY OPERATING

For more comfort and productivity during repetitive activities the following functions, which can be activated or de-activated according to your preferences, will free your right hand for steering:

**Auto-lift:** automatically lifts the boom to the max height or to the height you have set

**Reverse button:** allows you to use your left hand for steering and activate reverse speed from the joystick with your right hand

**Return to dig:** automatically brings back the bucket in the right position for loading again

**Return to travel:** automatically lowers the boom to carry position; it can be adjusted according to your tyres and bucket

**Auto-shift:** ensures the machine always operates in the most suitable gear according to speed, kick down and engine braking

**Auto-Glide Ride:** reduces loader arm bounce during travel, maintaining maximum material retention on all surfaces.

It's activated from 7 km/h

# W130C

## SPECIFICATIONS

### PRODUCTIVITY

#### ( 50-METER DISTANCE CYCLE )

Considering: density: 1,8 t/m<sup>3</sup>, fill factor: 100%, 52 cycles/hour and each hour includes a 5-minute break..... 125 m<sup>3</sup>/h or 227 t/h of material  
52 loading cycles/h with standard bucket 2.4 m<sup>3</sup> or 4.37 ton

### ENGINE

Compliant with EPA Tier2 or EU Stage II regulations  
FPT engine F4HFA613F  
6 cylinders - 6,7 litres - common rail  
Max power SAE J1995 ..... 128 kW / 172 hp @1800 rpm  
Maximum torque SAE J1995 ..... 730 Nm @1600 rpm

### TRANSMISSION

All-wheel drive with planetary axles  
4-speed auto Powershift ZF type 4WG160, switchable to manual shifting  
Adjustable transmission declutch  
forward speeds ..... 7-13-24-39 Km/h  
reverse speeds ..... 7-14-25 Km/h  
kick-down function

### AXLES AND DIFFERENTIAL

**- for outstanding traction with 50% longer maintenance intervals and 30% less tire wear:**  
100% auto-lock differential on front axle and open rear axles  
Front and rear ZF heavy duty axles (options) with open differential  
Type MT-L3075-II - dynamic load: 12.700kg  
**- Excellent traction:**  
29% Limited slip differential on front and rear axles  
Front heavy duty axle type MT-L3075-II - dynamic load: 12.700kg  
Rear oscillating axle ..... ZF type MT-3065-II rear - dynamic load 10.700kg

### TYRES

Tyres ..... 20,5R25

### BRAKES

Service brake ..... Maintenance free, self-adjusting wet 4-wheel disc brakes  
Area ..... 0,39 m<sup>2</sup>/hub  
Parking brake ..... Disc brake on transmission activated from the cab cluster  
Area ..... 58 cm<sup>2</sup>

### HYDRAULICS

Valves ..... Rexroth Closed-center, Load sensing hydraulic system.  
Main valve with 3 sections  
Steering ..... The steering orbitrol hydraulically is actuated with priority valve  
Type of pump ..... Tandem Variable displacement pump (171 l/min @250 bar)  
Automatic hydraulic functions  
- Bucket Return-to-dig  
- Boom Return-to-travel  
- Auto.lift (to adjustable height)  
Control type ..... Pilot control with single joystick or two levers

### CAPACITIES

Fuel tank ..... 248 usable litres  
Cooling system ..... 26.8 litres  
Engine oil ..... 15 litres  
Hydraulic oil ..... Tank: 91 litres, total system: 148 litres  
Transmission oil ..... 27 litres

### CAB AND CONTROLS

For you safety the cab complies to:  
protection against falling objects (FOPS) ..... ISO EN3449  
protection against roll over (ROPS) ..... ISO EN13510

### NOISE AND VIBRATION

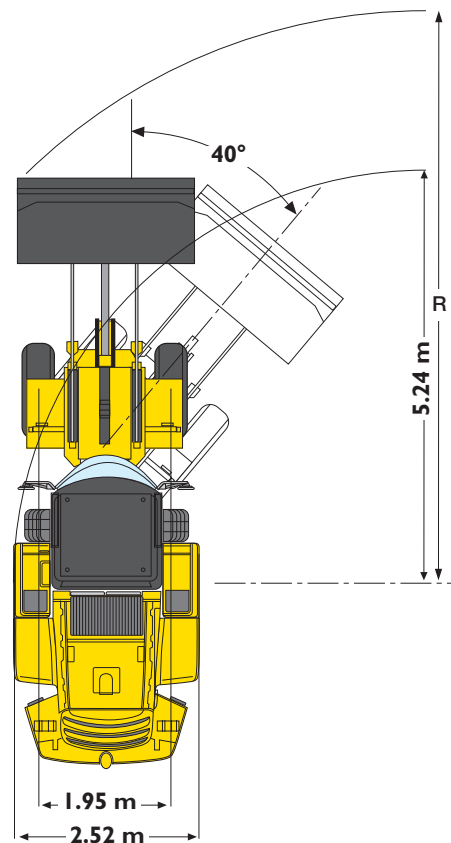
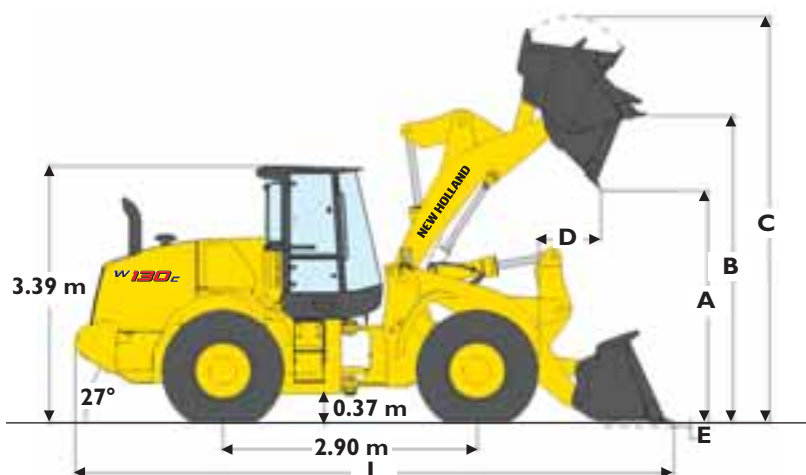
Driving noise in dB (A) 82 to SAE J88 @ 15 meters  
Interior noise ..... 71 dB(A) as per ISO 6595/6396/3744  
Exterior noise ..... 72 dB(A) at 15 meters as per SAE J88 SEP80  
105 LwA according to ISO6395/6396/3744  
Switchable reverse gear alarm  
Vibrations ..... air-cushioned seat MSG 95A/732  
average 1,4 m/s 2 as per ISO/TR 25398:2006

### ELECTRICAL SYSTEM

24V. Batteries 2 x 12V.  
Alternator ..... 65 A



# PERFORMANCE DATA



W130C	Bucket with bolt on:	Z-BAR buckets				LONG REACH buckets				TC buckets	
		2.3 m <sup>3</sup>	2.1 m <sup>3</sup>	1.9 m <sup>3</sup> w/QC		3.4 m <sup>3</sup>	2.1 m <sup>3</sup>	1.9 m <sup>3</sup> w/QC		1.9 m <sup>3</sup> w/QC	
		edge light duty	teeth general purpose	edge general purpose	teeth general purpose	edge light material	teeth general purpose	edge general purpose	teeth general purpose	edge general purpose	teeth general purpose
Bucket volume (heaped)	m <sup>3</sup>	2.3	2.1	1.9	1.9	3.4	2.1	1.9	1.9	1.9	1.9
Bucket Payload	kg	4377	4496	4016	4071	3494	3733	3747	3755	3747	3755
Maximum material density	ton/m <sup>3</sup>	1.9	2	2.1	2.2	1	1.9	2	2	2	2
Bucket outside width	mm	2602	2602	2602	2605	2602	2602	2605	2605	2605	2605
Bucket weight	kg	948	863	1277	1237	989	863	1265	1227	1265	1227
Tipping load - straight	kg	9979	9562	9198	9316	8019	8543	8590	8604	8590	8604
Tipping load - Articulated at 40°	kg	8754	8992	8031	8141	6989	7465	7493	7510	7493	7510
Breakout force	kg	10871	10267	9898	10476	8623	10572	10339	10836	10339	10836
Lift capacity from ground	kg	10535	11830	8006	8363	10903	11528	13633	13563	13633	13563
<b>A</b> - Dump height at 45° at full height	mm	2802	2751	2752	2657	3010	3164	2737	2642	2737	2642
<b>B</b> - Hinge pin height	mm	3831	3831	3830	3830	4244	4244	3958	3958	3958	3958
<b>C</b> - Overall height	mm	5033	4956	5087	5088	5820	5369	5353	5384	5353	5384
<b>D</b> - Bucket reach at full height	mm	1013	1072	1089	1193	1232	1088	1304	1408	1304	1408
<b>E</b> - Dig depth	mm	86	86	75	82	123	98	64	70	64	70
<b>L</b> - Overall length with bucket on the ground	mm	7383	7461	7462	7609	8096	7870	7679	7826	7679	7826
<b>R</b> - Turning radius to front corner of the bucket	mm	11552	11599	11599	11692	12140	11990	11523	11590	11523	11590
Bucket rollback in carry position	°	43	43	43	43	46	45	58	58	58	58
Dump angle at full height	°	52	52	52	52	46	46	55	55	55	55
Machine operating weight	kg	12162	12077	12491	12451	12399	12273	12562	12524	12562	12524

Note: bucket specification can slightly differ according to plant source. More bucket choice is available, please contact your local dealer.

## LOADER SPEED

Raising time (loaded)	sec	6.3
Dump time (loaded)	sec	1.2
Lowering time (empty, power down)	sec	4.4
Lowering time (empty, float down)	sec	4.8

# 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

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