

 **NEW HOLLAND**

W230



NET FLYWHEEL POWER 168 kW - 225 hp

OPERATING WEIGHT 21 490 kg

BUCKET CAPACITY 3.6 - 4.0 m³

 **NEW HOLLAND**

PROVEN PERFORMANCE

W230 SPECIFICATIONS



ENGINE "EMISSIONED"

Net flywheel rate power at	2200 rpm
(SAE J1349).....	225 hp / 168 kW
(ISO 9249)	168 kW
(EEC 80/1269).....	168 kW
<i>Net flywheel maximum power at 2000 rpm 242 hp / 181 kW</i>	
Make and model.....	CUMMINS 6CTAA 8.3
Type	Diesel, 4 Stroke, direct injection turbocharged aftercooled
Total displacement	8.3 l
N° of cylinders	6
Bore x stroke.....	114 x 135 mm
Rated engine speed.....	2200 rpm
Maximum torque at 1200 rpm99 daNm
Lubrication with gear pump	
<i>Engine complies with 97/68/CE standards STAGE 2, and with USA standard CAB & EPA TIER 2.</i>	



ELECTRICAL SYSTEM

Voltage	24 V
Batteries, in series.....	2
- total capacity.....	160 Ah
- type	maintenance-free
Starter motor	7.5 kW
Alternator capacity.....	50 A



TORQUE CONVERTER

Type	single stage / single phase
Torque multiplication ratio.....	3.0 : 1



TRANSMISSION

Type: Power-Shift countershaft design with four forward and four reverse speeds	
Control: single lever electric "fingertip" type.	
Forward speeds.....	km/h
1 ^a	8.6
2 ^a	15.0
3 ^a	24.2
4 ^a	40.0
Reverse speeds	
1 ^a	9.0
2 ^a	16.2
3 ^a	26.0
4 ^a	43.8
with 26.5-25 XHA tyres	

Safety device prevents engine starting in gear

Automatic Transmission Control (A.T.C.): allows the operator to dedicate attention on the work cycle.

The on-board computer automatically finds the right gear in relation to the type of work.

"HOLD" function to maintain selected speed.

"KICK-DOWN" function to shift from 2nd to 1st and vice versa with reverse engaged.

"DOWNSHIFT" function to select the most suitable speed and apply the

required engine braking when tackling down gradients.
Forward and reverse control switch.



AXLES

Rigid front axle, oscillating rear axle designed for heavy duty applications
Rear axle oscillation

22°
Rear wheel vertical travel.....
410 mm
"Torque Proportioning" differentials with automatic torque transfer or "Limited slip" differentials. Hermetically sealed final drives and wet disc brakes
Oil change interval.....
2000 h



BRAKES

Service brakes	self-adjusting
Type	wet disc brakes
	on all four wheels

Servo-assisted hydraulic brake circuit.

Independent circuit for each axle.

Control: pedal located to left of steering column.

Electrical transmission disengagement switch.

Parking brake: inboard oil immersed multiple disc design

Hydraulic control by means of lever in cab.

The brake circuit complies with the following international standards:.....ISO 3450, EEC 71/320, SAE J1473



TYRES

Type.....	Tubeless
Radial	23.5-25 GP-2B
	23.5-25 XHA
	26.5-25 GP-2B
	26.5-25 XHA
	750/65-25 XLD



HYDRAULIC SYSTEM

Type	sealed system with anticavitation and relief valves
Pump	two, gear type with steel case and automatic wear compensation. A sequencing valve cut off a pump when pressure is over 175 bar
- max. flow delivery.....	359 l/min up to 175 bar
	220 l/min from 175 to 210 bar
- max. working pressure	210 bar
Control valve	2 spool
	3 spool
Control.....	piloted dual lever
	piloted, single lever

Double-acting hydraulic cylinders

booms.....	2
bore x stroke	160 x 880 mm
bucket.....	1
bore x stroke	190 x 550 mm
Operating time	
lift.....	6.2 s
lower.....	3.5 s
dump.....	1.4 s

Hydraulic lines and connecting flanges are equipped with O-ring seals.

L.T.S. device

Load Travel Stabiliser. Invaluable for loading and transport on uneven terrain.

 **STEERING**

Typehydraulic **“load sensing”**
with priority valve
Pumputilise one of the hydraulic system pump
Max. flow rate220 l/min
Max. working pressure210 bar
Cylinders2, double acting
bore x stroke80 x 542 mm
Emergency steering circuit with bi-directional gear pump, ground driven

 **CAB**

ROPS/FOPS modular cab.
Excellent all-round visibility thanks to 4.6 m² glass area.
The ROPS/FOPS cab complies with the following standards:
ROPS - ISO3471/SAE 1040
FOPS - ISO 3449/SAE J 231

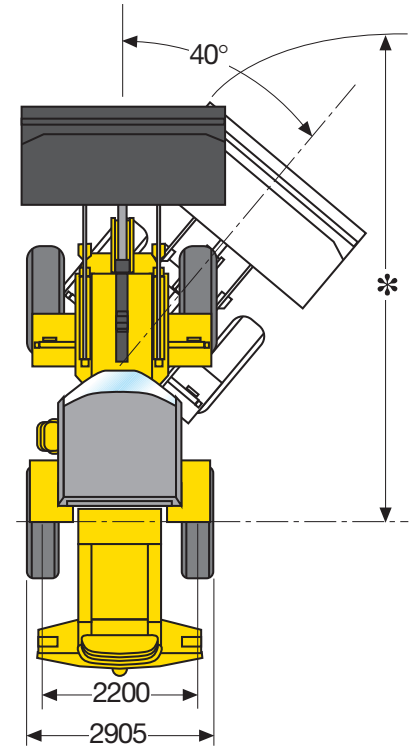
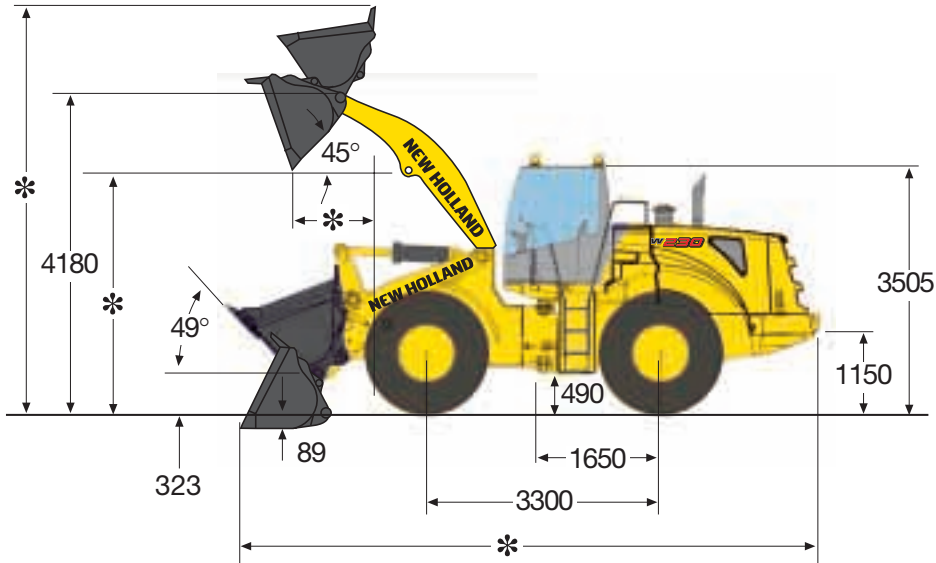
 **CAPACITIES**

ENGINE	Litres
lube oil24
coolant60
fuel tank325
TRANSMISSION	
Transmission40
hydraulic system130
AXLES.....	.38



W230

DIMENSIONS mm



* Refer to performance

PERFORMANCE

BUCKET TYPE

GENERAL PURPOSE

		WITH TEETH AND SEGMENTS		WITH CUTTING EDGE EXTENSION		WITH TEETH	
Bucket capacity	m ³	3.7	4.0	3.7	4.0	3.6	3.9
Bucket weight	kg	1850	1950	1750	1850	1670	1770
Bucket width	mm	3065	3065	3010	3010	3065	3065
Dump height at 45°	mm	2933	2863	3039	2969	3118*	3048*
Reach at 45°	mm	1175	1245	1105	1176	1045*	1100*
Overall length (bucket on ground)	mm	8395	8496	8272	8372	8395	8496
Overall height (bucket raised)	mm	5595	5663	5595	5663	5595	5663
Turning radius (bucket at carry position)	m	6.7	6.7	6.7	6.7	6.7	6.7
Breakout force	daN	18300	17300	17900	16900	19200	18200
Static tipping load:	kg						
0°		17210	17160	17370	17200	17500	17260
40°		15150	14900	15200	14970	15250	15010
Max operating weight	kg	21390	21490	21290	21390	21210	21310

* At bucket cutting edge

TIPPING LOAD AND WEIGHT VARIATIONS		WEIGHT	TIPPING LOAD	
			0°	40°
23.5-25	kg	-380	-300	-260

Note: All performance data and specifications based on a unit with 26.5-25 XHA radials tyres and ROPS cab.
All data is obtained in compliance with the latest applicable SAE Recommended Practices including J732c, J742b and ISO 6746/1, ISO 6746/2 and ISO 8313.

W230





PARTS & 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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Published by NEW HOLLAND KOBELCO CONSTRUCTION MACHINERY S.p.A. - www.newholland.com
Printed in Italy - LEADER Firenze - Cod. 73301761 - INB - Printed 02/05



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