



# NEW HOLLAND

## W130c



### W130C

STANDARD BUCKET PAYLOAD	4.4 ton
BUCKET VOLUME	2,0 - 2,4 m <sup>3</sup>
MAXIMUM OPERATIONAL WEIGHT	12,688 kg
MAXIMUM NET POWER	162 hp

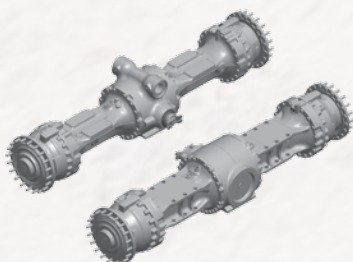


**BUILT AROUND YOU**

# THE MAIN COMPONENTS OF OUR W



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



\*optional in alternative to Limited slip differentials

## 2 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.

# HEEL LOADER



3

## 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.

## 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



## 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.

## 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.

## 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

**LTS - Loading Travel System:** reduces loader arm bounce during travel, maintaining maximum material retention on all surfaces.

It's activated from 7 km/h

## SPECIFICATIONS



### ENGINE

Compliant with EPA tier 2  
 FPT engine F4HFE613Z  
 6 cylinders - 6.7 litres - common rail  
 Net Power (SAEJ1349)  
 Maximum.....162 hp (121kW) @ 1,800 rpm  
 Standard.....146 hp (109kW) @ 1,800 rpm  
 Economic.....125 hp (93kW) @ 1,500 rpm  
 Torque (SAEJ1349)  
 Maximum.....692 Nm @ 1,600 rpm  
 Standard.....689 Nm @ 1,000 rpm  
 Economic.....689 Nm @ 1,200 rpm



### TRANSMISSION

ZF transmission model 4WG160 Powershift, 4x3 speeds, automatic  
 Kick down function

Speeds	Forward	Backward
1 <sup>a</sup> .....	6.9 km/h.....	7.3 km/h
2 <sup>a</sup> .....	13.5 km/h.....	14.2 km/h
3 <sup>a</sup> .....	23.9 km/h.....	25.0 km/h
4 <sup>a</sup> .....	38.6 km/h	



### AXLES AND DIFFERENTIAL

Standard axles: Front ZF HD type MT-L3075-II with dynamic load of 12.700 kg and back axle rocking ZF type MT-3065-II with dynamic load of 10.700 kg. Both axles have Limited Slip o 29%.

Optional axles: HD ZF axles type MT-L3075-II with dynamic load of 12.700 kg, front axles with automatic block 100% and front axle is open for great traction and maintenance breaks of 50% and 30% less deterioration of the tires.



### TYRES

Tyres ..... 20.5x25 Radial L3



### BRAKES

Service brake.....Maintenance free, self-adjusting wet 4-wheel disc brakes  
 Area.....0.31 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.....Two pumps of axial pistons of variable flow in tanden, for direction and implement

Total flow .....171 l/min

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.....246 litres  
 Cooling system.....26.8 litres  
 Engine oil.....13.2 litres  
 Hydraulic oil..... Tank: 90.8 litres, total system: 147.6 litres  
 Transmission oil.....26.7 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



### ELECTRICAL SYSTEM

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



### LOADER SPEED

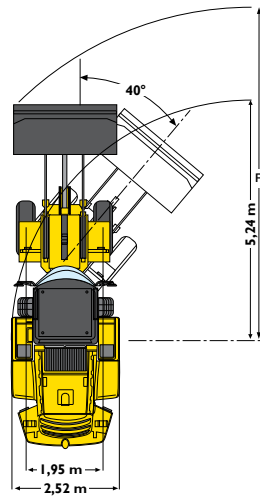
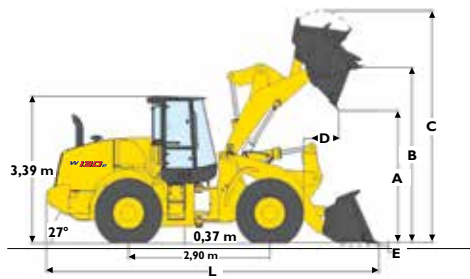
	ZBar y LR	TC
Raising time (loaded) .....	6,3s.....	6,5s
Dump time (loaded) .....	1,2s.....	2,4s
Lowering time (empty, power down).....	4,4s.....	4,2s
Lowering time (empty, float down) .....	4,8s.....	4,2s



## PERFORMANCE DATA

### WI30C Zbar

WI30C Zbar - Loader Specifications	Unid	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with bolt-on edge	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with teeth	Bucket GP 2.75yd <sup>3</sup> (2.1m <sup>3</sup> ) with bolt-on edge	Bucket GP 2.75yd <sup>3</sup> (2.1m <sup>3</sup> ) with teeth
Bucket Capacity - Struck	m <sup>3</sup> (yd <sup>3</sup> )	1,64 (2,15)	1,57 (2,05)	1,77 (2,32)	1,70 (2,22)
Bucket Capacity - Heaped	m <sup>3</sup> (yd <sup>3</sup> )	1,91 (2,50)	1,83 (2,39)	2,05 (2,68)	1,98 (2,59)
Bucket Width	mm	2.602	2.602	2.602	2.602
Bucket Weight	kg	870	831	902	863
<b>C</b> Overall Height-Operating	mm	4.928	4.928	4.956	4.956
<b>B</b> Hinge Pin Height	mm	3.831	3.831	3.831	3.831
<b>L</b> Overall Length - Bucket level on Ground	mm	7.239	7.386	7.315	7.461
Dump Angle @ Full Height	°	52	52	52	52
<b>A</b> Dump Height - Full Height - 45°	mm	2.896	2.801	2.847	2.751
<b>D</b> Bucket Reach - Full Height - 45°	mm	919	1.923	969	1.072
Bucket Reach - 7 Ft Height - 45°	mm	1.468	1.524	1.493	1.547
Operating Load - ISO	kg	4.493	4.554	4.436	4.496
Maximum Material Density - ISO	kg/m <sup>3</sup>	2.351	2.489	2.164	2.271
<b>Tipping Load - ISO</b>					
Straight	kg	10.232	10.362	10.107	10.236
40° Turn	kg	8.986	9.107	8.872	8.992
<b>Hydraulic Lift Capacity</b>					
Full Height	kg	7.401	7.444	7.365	7.408
Maximum Reach	kg	10.443	10.489	10.403	10.449
Ground	kg	11.865	12.526	11.224	11.830
Breakout Force	kg	12.348	10.907	11.533	10.267
<b>Máximo Rollback Bucket</b>					
Ground	°	40	40	40	40
Carry Position	°	43	43	43	43
Arms at Max Reach	°	52	52	52	52
Full Height	°	55	55	55	55
<b>E</b> Digging Depth - Edge	mm	74	80	80	86
Maximum Grading Angle with Bucket - Back Dragging	°	58	59	59	60
<b>R</b> Loader Clearance Circle - To Front Corner of Bucket	mm	11.469	11.554	11.512	11.599
Unit Operating Mass	kg	12.084	12.045	12.116	12.077

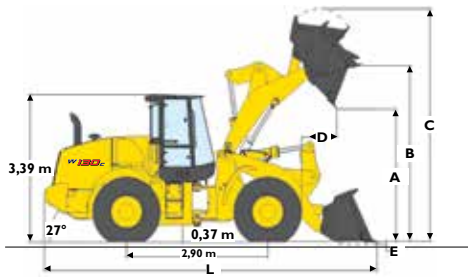


\*Neumáticos 20,5R25 XTLA Michelin

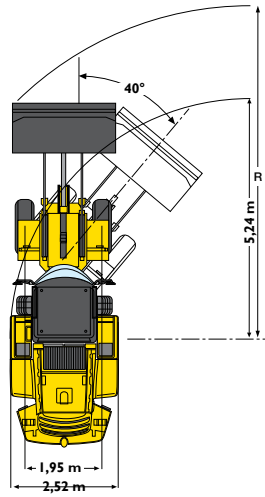
Bucket LM 3.0yd <sup>3</sup> (2.3m <sup>3</sup> ) with bolt-on edge	Bucket 3.0yd <sup>3</sup> (2.29m <sup>3</sup> ) with Grapple	Bucket LM 4.5yd <sup>3</sup> (3.44m <sup>3</sup> ) with bolt- on edge	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with bolt-on edge. CNH Coupler (JRB Compatible)	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with teeth CNH Coupler (JRB Compatible)	Bucket 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with bolt-on edge. Coupler (ACS Compatible)	Bucket 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with teeth. Coupler (ACS Compatible)
2,29 (3,00)	1,96 (2,56)	3,44 (4,50)	1,62 (2,12)	1,57 (2,05)	1,64 (2,15)	1,57 (2,05)
1,96 (2,56)	2,29 (3,00)	3,44 (4,50)	1,90 (2,49)	1,83 (2,39)	1,91 (2,50)	1,83 (2,39)
2.602	2.602	2.602	2.602	2.605	2.602	2.605
948	1.612	989	1.277	1.237	1.364	1.329
5.033	5.031	5.407	5.087	5.088	5.059	5.060
3.831	3.829	3.831	3.830	3.830	3.829	3.830
7.383	7.385	7.691	7.462	7.609	7.419	7.563
52	51	51	52	52	52	52
2.802	2.799	2.597	2.752	2.657	2.781	2.687
1.013	1.013	1.216	1.089	1.193	1.059	1.162
1.515	1.514	1.599	1.564	1.613	1.550	1.600
4.377	4.026	4.181	4.016	4.071	4.032	4.084
1.909	1.756	1.216	2.114	2.225	2.110	2.232
9.979	9.273	9.540	9.198	9.316	9.245	9.359
8.754	8.052	8.362	8.031	8.141	8.063	8.169
7.316	6.672	7.285	6.973	7.016	6.892	6.930
10.350	9.724	10.327	9.995	10.041	9.919	9.960
10.535	8.640	8.033	8.006	8.363	8.475	8.861
10.871	9.797	8.399	9.898	10.476	10.218	10.834
40	41	41	40	40	40	40
43	44	44	43	43	43	43
52	53	53	52	52	52	52
55	55	55	55	55	55	55
86	88	112	75	82	73	79
59	61	64	60	62	60	61
11.552	12.671	11.737	11.599	11.692	11.573	11.663
12162	12.826	2.203	12.491	12.451	12.578	12.543

## WI30C LR

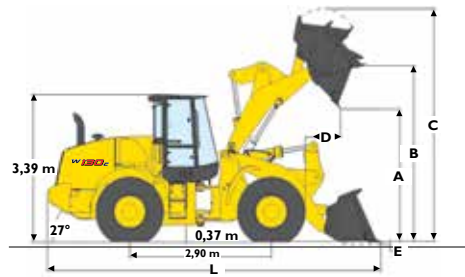
WI30C LR - Loader Specifications	Unid	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with bolt-on edge	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with teeth	Bucket GP 2.75yd <sup>3</sup> (2.1m <sup>3</sup> ) with bolt-on edge	Bucket GP 2.75yd <sup>3</sup> (2.1m <sup>3</sup> ) with teeth	Bucket LM 3.0yd <sup>3</sup> (2.3m <sup>3</sup> ) with bolt-on edge
Bucket Capacity - Struck	m <sup>3</sup> (yd <sup>3</sup> )	1,64 (2,15)	1,57 (2,05)	1,77 (2,32)	1,70 (2,22)	1,96 (2,56)
Bucket Capacity - Heaped	m <sup>3</sup> (yd <sup>3</sup> )	1,91 (2,50)	1,83 (2,39)	2,05 (2,68)	1,98 (2,59)	2,29 (3,00)
Bucket Width	mm	2.602	2.602	2.602	2.602	2.602
Bucket Weight	kg	870	831	902	863	948
<b>C</b> Overall Height-Operating	mm	5.341	5.341	5.369	5.369	5.446
<b>B</b> Hinge Pin Height	mm	4.244	4.244	4.244	4.244	4.244
<b>L</b> Overall Length - Bucket level on Ground	mm	7.650	7.796	7.725	7.870	7.791
Dump Angle @ Full Height	°	46	46	46	46	46
<b>A</b> Dump Height - Full Height - 45°	mm	3.309	3.214	3.259	3.164	3.215
<b>D</b> Bucket Reach - Full Height - 45°	mm	934	1.038	984	1.088	1.029
Bucket Reach - 7 Ft Height - 45°	mm	1.820	1.882	1.848	1.909	1.873
Operating Load - ISO	kg	3.729	3.778	3.684	3.733	3.635
Maximum Material Density - ISO	kg/m <sup>3</sup>	1.951	2.065	1.797	1.885	1.585
<b>Tipping Load - ISO</b>						
Straight	kg	8.536	8.642	8.438	8.543	8.335
40° Turn	kg	7.458	7.557	7.367	7.465	7.271
<b>Hydraulic Lift Capacity</b>						
Full Height	kg	7.185	7.227	7.151	7.192	7.104
Maximum Reach	kg	9.282	9.333	9.238	9.289	9.181
Ground	kg	11.533	11.635	11.427	11.528	11.296
Breakout Force	kg	12.732	11.237	11.885	10.572	11.197
<b>Máximo Rollback Bucket</b>						
Ground	°	40	40	40	40	40
Carry Position	°	45	45	45	45	45
Arms at Max Reach	°	54	54	54	54	54
Full Height	°	59	59	59	59	59
<b>E</b> Digging Depth - Edge	mm	85	92	92	98	97
Maximum Grading Angle with Bucket - Back Dragging	°	58	59	59	59	59
<b>R</b> Loader Clearance Circle - To Front Corner of Bucket	mm	11.844	11.939	11.893	11.990	11.938
Unit Operating Mass	kg	12.280	12.241	12.312	12.273	12.358



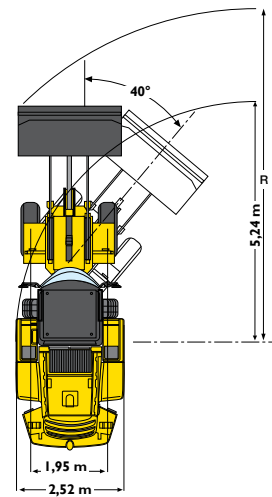
\*Neumáticos 20,5R25 XTLA Michelin



Bucket 3.0yd <sup>3</sup> (2.29m <sup>3</sup> ) with Grapple	Bucket LM 4.5yd <sup>3</sup> (3.44m <sup>3</sup> ) with bolt-on edge	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with bolt-on edge. CNH Coupler (JRB Compatible)	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with teeth CNH Coupler (JRB Compatible)	Bucket 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with bolt-on edge. Coupler (ACS Compatible)	Bucket 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with teeth. Coupler (ACS Compatible)
1,96 (2,56)	3,44 (4,50)	1,62 (2,12)	1,57 (2,05)	1,64 (2,15)	1,57 (2,05)
2,29 (3,00)	3,44 (4,50)	1,90 (2,49)	1,83 (2,39)	1,91 (2,50)	1,84 (2,39)
2.602	2.602	2.605	2.605	2.602	2.605
1.612	989	1.277	1.237	1.364	1.329
5.031	5.820	5.500	5.500	5.472	5.473
3.829	4.244	4.243	4.243	4.242	4.243
7.385	8.096	7.873	8.018	7.829	7.973
51	46	46	46	46	46
2.799	3.010	3.165	3.070	3.194	3.100
1.013	1.232	1.104	1.208	1.074	1.177
1.514	1.974	1.926	1.982	1.909	1.966
4.026	3.494	3.333	3.379	3.333	3.376
1.756	1.016	1.755	1.847	1.744	1.845
9.273	8.019	7.686	7.784	7.697	7.791
8.052	6.989	6.667	6.758	6.666	6.753
6.672	7.075	6.767	6.809	6.683	6.721
9.724	9.120	8.798	8.849	8.730	8.776
8.640	10.903	10.615	10.716	10.633	10.728
9.797	8.623	10.216	10.803	10.550	11.177
41	41	40	40	40	40
47	46	45	45	45	45
53	55	54	54	54	54
55	59	59	59	59	59
88	123	87	93	84	90
61	63	60	61	59	60
11.585	12.140	11.987	12.089	11.958	12.058
12.826	12.399	12.687	12.647	12.774	12.739



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## WI30C TC

WI30C TC - Loader Specifications	Unid	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with bolt-on edge. CNH Coupler (JRB Compatible)	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with teeth CNH Coupler (JRB Compatible)	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with bolt-on edge. Coupler (ACS Compatible)	Bucket GP 2.5yd <sup>3</sup> (1.9m <sup>3</sup> ) with teeth. Coupler (ACS Compatible)
Bucket Capacity - Struck	m <sup>3</sup> (yd <sup>3</sup> )	1,62 (2,12)	1,57 (2,05)	1,64 (2,15)	1,57 (2,05)
Bucket Capacity - Heaped	m <sup>3</sup> (yd <sup>3</sup> )	1,90 (2,49)	1,83 (2,39)	1,91 (2,50)	1,83 (2,39)
Bucket Width	mm	2.602	2.605	2.602	2.605
Bucket Weight	kg	1.265	1.227	1.419	1.384
<b>C</b> Overall Height-Operating	mm	5.353	5.384	5.274	5.274
<b>B</b> Hinge Pin Height	mm	3.948	3.958	3.957	3.958
<b>L</b> Overall Length - Bucket level on Ground	mm	7.679	7.826	7.534	7.679
Dump Angle @ Full Height	°	55	55	55	55
<b>A</b> Dump Height - Full Height - 45°	mm	2.737	2.642	2.831	2.737
<b>D</b> Bucket Reach - Full Height - 45°	mm	1.304	1.408	1.196	1.299
Bucket Reach - 7 Ft Height - 45°	mm	1.782	1.828	1.726	1.777
Operating Load - ISO	kg	3.747	3.755	3.805	3.854
Maximum Material Density - ISO	kg/m <sup>3</sup>	1.972	2.052	1.991	2.106
<b>Tipping Load - ISO</b>					
Straight	kg	8.590	8.604	8.739	8.844
40° Turn	kg	7.493	7.510	7.610	7.707
<b>Hydraulic Lift Capacity</b>					
Full Height	kg	6.406	6.437	6.370	6.434
Maximum Reach	kg	9.261	9.295	9.157	9.203
Ground	kg	13.633	13.563	15.740	16.292
Breakout Force	kg	10.339	10.836	11.482	12.110
<b>Máximo Rollback Bucket</b>					
Ground	°	57	58	57	57
Carry Position	°	58	58	58	58
Arms at Max Reach	°	54	54	54	54
Full Height	°	59	59	59	59
<b>E</b> Digging Depth - Edge	mm	64	61	61	67
Maximum Grading Angle with Bucket - Back Dragging	°	62	60	60	62
<b>R</b> Loader Clearance Circle - To Front Corner of Bucket	mm	11.523	11.462	11.462	11.527
Unit Operating Mass	kg	12.562	12.716	12.716	12.626

# 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 KOBELCO 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.*

NC-W30-I02 - 12/2012

### Factory:

Contagem – Minas Gerais – Brasil  
Av. General David Sarnoff, 2.237  
Inconfidentes – CEP 32210-900  
Teléfono: 31 2104-3111

### Comercial Office:

Nova Lima – Minas Gerais – Brasil  
Rua Senador Milton Campos, 175 / 4º andar  
Vila da Serra – CEP 34000-000  
Teléfonos: 31 2123-4902 / 31 2123-4904

### Comercial Office:

Weston - Florida - 33331- USA  
3265 Meridian Parkway, Suite 124  
Teléfonos: (954) 659-2990  
(954) 659 - 2774 (FAX)



BUILT AROUND YOU