



NEW HOLLAND

E 265 B VERSION J

NEW HOLLAND KOBELCO



NET FLYWHEEL POWER	STD 137 kW - 184 hp	LC
MAX OPERATING WEIGHT	24 900 kg	25 600 kg
BUCKET CAPACITY	0.81 - 1.60 m ³	



NEW HOLLAND

CONSTRUCTION

BUILT AROUND YOU

E265B VERSION J THE PE

TOP EFFICIENCY

Productivity (m³/l) + 15%

- NEW high torque, more powerful common rail engine
- NEW generation hydraulic pumps
- NEW hydraulic system
- NEW stronger undercarriage
- NEW heavy duty booms
- NEW flow & pressure set up system
- NEW operator compartment

C.P.B. (Continuous Power Boost)

Continuous Power Boost is a feature of excellence of the E265B. Continuous Power Boost means that, if the operator is facing a very tough application, he can select this function (hydraulic pressure raises to 37.8 Mpa) **with no time limit**. Continuous Power Boost allows him to work without problems in job-site productivity and machine reliability. **A unique feature only offered by New Holland.**

PERFORMANCE

NEW COMMON RAIL ENGINE

This new generation HINO **Common Rail** engine represents "state of the art" technology, designed to increase performance and production whilst reducing fuel consumption and pollution. The Common Rail system guarantees that fuel is injected in the cylinders at very high pressure, thus optimising its nebulization and its mix with an increased quantity of turbocharged and after cooled air. Moreover, the quantity of fuel introduced in the cylinders is electronically controlled so that the "right quantity" is injected at the "right moment" and combined with extra fresh air to provide peak efficiency output from the engine, whilst reducing fuel consumption and emissions of dangerous pollutants. At the same time, noise is also considerably lowered.

A new, durable, efficient, comfortable and economic engine which contributes to a reduction in operating costs, thereby increasing your profit.





NEW HYDRAULIC SYSTEM

EFFICIENCY AND CONTROLLABILITY

To obtain a Hydraulic System which is much more efficient, controllable, fast and powerful, and which consumes less fuel than previously, New Holland engineers have been working not only on pumps but also on a completely redesigned and refined Control Valve adding a second arm spool and new working mode selection functions. Movement speed has been increased and machine controllability improved, especially on operations that require combined movements.

This outstanding characteristic is further enhanced by the new **H.A.O.A. Control**.

H.A.O.A. (Hydrotronic Active Operation Aid)

Hydrotronic Active Operation Aid is the most effective available combination of an extremely advanced electronic technology that provides a “just in time” comprehensive control of all machine functions, and a deeply refined and sophisticated hydraulic system. H.A.O.A. continuously optimises hydraulic output according to operator and job demand, providing the best machine controllability, productivity, operator comfort and fuel savings.

ED HYDRAULIC SYSTEM

A.E.P. - (Advanced Electronic Processor)

A.E.P. is a new Electronic Processor that interacts with the operator for selecting and monitoring all main working parameters, maintenance notifications, self diagnosis and operating data storage.

All this information is displayed in the new monitor, which features a larger back-lit, easier to read digital display and analogic gauges.

Simply select the requested working mode and A.E.P. pre-sets the hydraulic system to accomplish the job in the easiest and most productive way:

- **S mode** for normal working operations

- **H mode** when maximum power is required

Two additional modes are available for special applications and to operate tools like breakers and crushers:

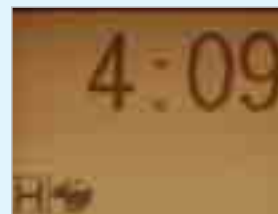
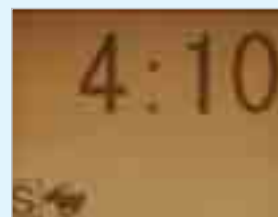
- **A mode** adjusts the attachment circuit for tools which require two way flow.

A dedicated switch on the dashboard, enables the operator to select two pumps oil flow

- **B mode** for attachments featuring one way flow only

Both in A and B working modes the operator, by using the buttons on the monitor, may adjust the flow by 10 l/min steps to perfectly match the parameters of the attachment being used.

In addition, the operator can save to memory 9 oil flow-steps in both A and B working modes.



D.O.C. (Dipperstick Optimised Control)

The newly redesigned Control Valve features a second spool dedicated to dipperstick operation. The movement “dipper out” is now achieved with a double flow, i.e., using the flow of the two pumps. The “dipper in” movement is even faster because of the double pump flow combined with the “Conflux”, or recirculation of unused oil which is diverted from return to tank.

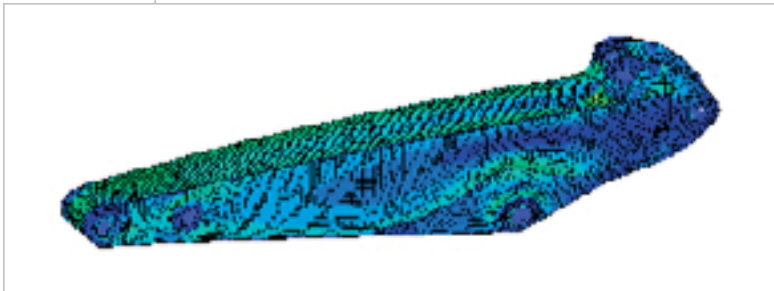
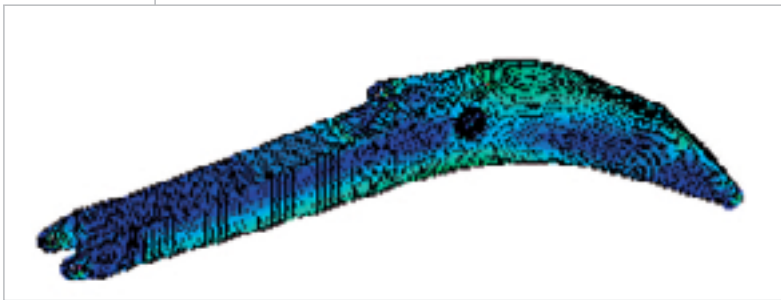
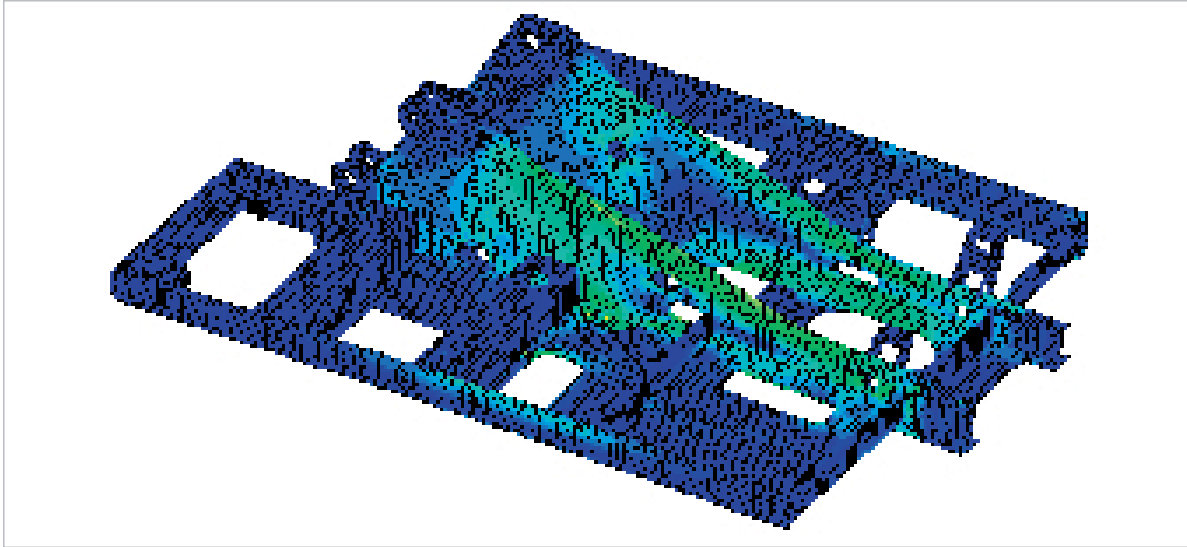
A perfect combination of speed, efficiency, precision and increased production.



LOW EFFORT & PRECISE JOYSTICKS

All machine movements can be smoothly controlled by **low effort joysticks...** a real, effective **Control of Power** allowing longer work times with less fatigue. The joystick illustrated is supplied as an option, together with rotating bucket circuit.

RELIABILITY & DURABILITY



NEW BOOM & ARM

Booms and Arms have been redesigned using advanced CAD (Computer Aided Design) and FEM (Finite Elements Methodology) Systems to get higher strength **only** in those areas where stresses are concentrated.

These sophisticated design methodologies are combined with the most advanced production technologies, providing high tensile steel plates that are cut, assembled and welded at the New Holland plant.

The same innovative guidelines, to achieve maximum strength together with outstanding torsional and flexional resistance, are applied in design and manufacture of upper structure and the undercarriage.

BUCKET LINKAGE WITH DOUBLE BUSHING

The arm/bucket long-life internal bushing now has extra protection from wear due to contact with the bucket linkage, thanks to new additional external bushings made from anti-wear steel material. When the radial surface is worn this new bushing can be easily changed, thus increasing pin and bushing durability while reducing ownership costs.



ABILITY AND COMFORT

NEW CAB INTERIOR

The interior of the cab has been completely re-designed to maximise operator comfort and to enable optimum operator performance. All switches and controls are now ergonomically positioned on the right side, easy to find and to reach.

The radio and the new, more powerful and effective automatic air-conditioning system are standard equipment, creating an agreeable working atmosphere regardless of external weather conditions. At the same time, new interior design and materials create an elegant feeling. Rigid cab construction, combined with silicon liquid filled viscous dampers, minimises vibrations.

Threaded holes, built into the cab structure, enable fast and easy attachment of optional FOPS structure and front guard, effectively contributing to operator safety.



NEW ONE-HAND WINDSCREEN OPENING

One-touch lock release simplifies opening and closing the front window, while a new mechanism makes it lighter.



NEW A.E.P. MONITOR

The newly designed A.E.P. Monitor, features analogical gauges which provide one sight advice, regardless of the operating environment. The digital Display Screen has been enlarged to further enhance visibility. Maintenance information is clearly displayed and the self-diagnostic function provides an early warning detection of malfunctions. Details of any previous breakdown or malfunction are also stored.

E265B SPECIFICATIONS

VERSION J



ENGINE

Flywheel power (ISO 14396 / ECE R120)137 kW / 184 hp
 Rated2100 rpm
 Make and modelHINO J05E
 TypeDiesel, Common Rail direct injection, turbocharged, intercooler
 Total Displacement5.1 l
 Number of cylinders4
 Bore x stroke112 x 130 mm
 Maximum torque at 1600 rpm654 Nm

Remote engine oil filter for easy replacement.

Engine rpm electronic control with knob selector.

Automatic Idling selector returns engine to minimum rpm when controls are in neutral



ELECTRICAL SYSTEM

Operating voltage24 V
 Alternator60 Amp
 Starter motor5 kW
 Standard maintenance-free batteries2
 Capacity112 Ah



HYDRAULIC SYSTEM

Higher capacity pumps, to supply higher flow at lower rpm;

Redesigned Main Control Valve, with added 2nd dipper spool and new Fail Safe Functions;

Bigger radius piping with SAE flange ports;

H.A.O.A. (Hydrotronic Active Operation Aid) to get the best hydraulic output according to operator/ application demand;

E.S.S.C. (Engine Speed Sensing Control) device, for total installed hydraulic power exploitation;

D.O.C. (Dipper Optimised Control) thanks to the 2nd dedicated spool in the Control Valve and to the Conflux system;

C.P.B. (Continuous Power Boost) to allow the operator to use extra power when and how long it is needed;

A.E.P. (Advanced Electronic Processor) interacting with the operator for selecting and monitoring main working parameters, maintenance programmes, self diagnosis and operating data storage thanks to the new monitor with a larger digital display and analogical gauges;

Two working modes:

- **S** = for normal digging operation;
- **H** = when maximum power is required;

Two Attachments modes:

- **A** = for attachments which require double pump flow;
- **B** = for attachments, such as breaker, featuring one way flow only.

Standard double pump flow device and Diverter Valve automatically actuated while selecting A;

Super Fine hydraulic filter (8 micron) to grant perfect oil filtration, contributing to increase oil change interval

Main pumps:

two variable delivery pumps with electronic delivery adjustment.

With controls on neutral, the pumps automatically move to displacement position "0".

Maximum delivery2 x 246 l/min

Piloting circuit gear type pump

Maximum delivery20 l/min

Maximum operating pressure:

Equipment / travel34.3 MPa

Swing29.0 MPa
 Power Boost37.8 MPa
 Hydraulic cylindersdouble effect
 - Lift (2) - bore x stroke135 x 1235 mm
 - Penetration (1) - bore x stroke145 x 1635 mm
 - Bucket (1) bore x stroke125 x 1200 mm



TRANSMISSION

Typetwo-speed hydrostatic
 Motorsaxial piston double displacement type
 Brakesautomatic discs type
 Final driveplanetary reduction, oil bath
 Maximum slope70% (35°) continuous
 Travel speeds:

slow0 to 3.6 km/h
 high0 to 5.8 km/h

Drawbar pull244 kN

'Automatic DownShift' device: with selector on "fast" in case of need for more traction force, adjusts travel motors to maximum displacement.



SWING

Swing motoraxial piston type
 Swing brakeautomatic, disc type
 Final driveplanetary reduction, oil bath
 Slew ringgrease bath type
 Swing speed11.0 rpm



CAB AND CONTROLS

Transparent upper canopy.

Standard automatic conditioning.

Controlspiloted

Two cross travel levers control all tool movements and superstructure swing.

Two non-removable lever pedals control all track movements, counter-rotation included.

A safety lever neutralises the piloting circuit completely.



UNDERCARRIAGE

X-design undercarriage.

Sealed bushing reinforced track HD chain.

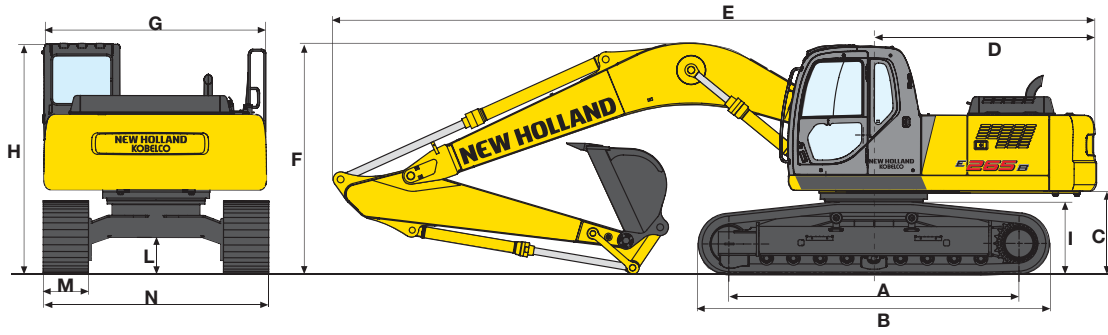
	E265BJ	E265BJ-LC
Track rollers (each side)	8	9
Carrier rollers (each side)	2	2
Length of track on ground (mm)	3470	3850
Gauge (mm)	2390	2590
Shoes available (mm)	600-700	600-700
	800	800



CAPACITIES

litres
 Lube oil21
 Coolant20
 Fuel tank460
 Hydraulic system280

DIMENSIONS (mm) - OPERATING WEIGHTS



VERSION	A	B	C	D	E(*)	F(*)	G	H	I	L
					(1) 10170	(1) 3380				
E265BJ	3470	4260	1090	2970	(2) 10120	(2) 3200	2950	3060	960	460
					(3) 10130	(3) 3360				
					(1) 10170	(1) 3380				
E265BJ-LC	3850	4640	1090	2970	(2) 10120	(2) 3200	2950	3060	960	460
					(3) 10130	(3) 3360				

(*) Dipperstick: (1) 2500 mm, (2) 2980 mm, (3) 3660 mm

		E265BJ			E265BJ-LC		
M - Shoe width	mm	600	700	800	600	700	800
N - maximum width	mm	2990	3090	3190	3190	3290	3390
Operating weight	kg	24400	24600	24900	25000	25300	25600
Specific ground pressure	bar	0.54	0.47	0.42	0.51	0.44	0.39

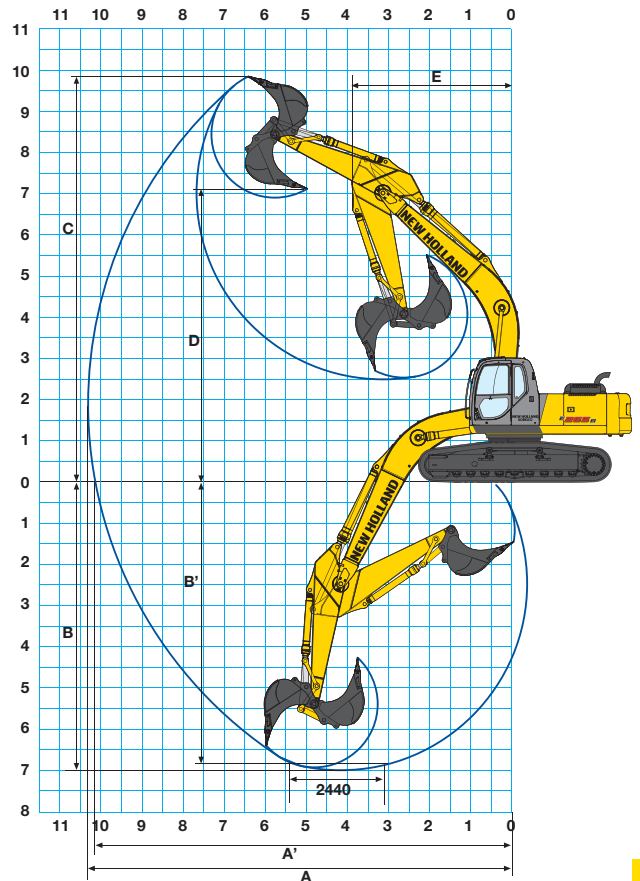
DIGGING PERFORMANCE

ONE - PIECE BOOM = 6020 mm

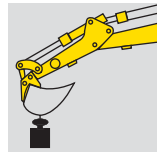
DIPPERSTICK	mm	2500	2980	3660
A	mm	9890	10310	10980
A'	mm	9720	10140	10820
B	mm	6520	7000	7680
B'	mm	6320	6820	7540
C	mm	9650	9800	10220
D	mm	6720	6880	7280
E	mm	3910	3910	3920

BREAKOUT FORCE:				
Bucket	daN	17000	17000	17000
Dipperstick	daN	14200	11900	10400

WITH POWER BOOST ON				
Bucket	daN	18700	18700	18700
Dipperstick	daN	15600	13100	11500



VALUES ARE EXPRESSED IN TONNES



RADIUS OF LOAD

1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX. REACH		REACH m
FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	

E265BJ DIPPERSTICK 2500 mm - 600 mm SHOES

HEIGHT															
+7.5 m													4.4*	4.4*	6.5
+6.0 m							4.6*	4.6*	4.3*	3.9			4.2*	3.9	7.5
+4.5 m							5.3*	5.3*	4.8*	3.8			4.3*	3.2	8.2
+3.0 m					8.4*	8.2	6.3*	5.3	5.3*	3.6			4.3	2.9	8.5
+1.5 m					10.3*	7.5	7.3*	4.9	5.2	3.4			4.2	2.7	8.6
0 m			6.3*	6.3*	11.3*	7.1	7.2	4.6	5.1	3.3			4.3	2.7	8.4
-1.5 m	7.7*	7.7*	11.4*	11.4*	11.3	7.0	7.1	4.5	5.0	3.2			4.6	3.0	7.9
-3.0 m	12.5*	12.5*	15.8*	14.3	10.9*	7.1	7.1	4.5					5.5	3.6	7.1
-4.5 m			13.3*	13.3*	9.4*	7.4							7.1*	5.1	5.7
-6.0 m															

E265BJ DIPPERSTICK 2980 mm - 600 mm SHOES

HEIGHT															
+7.5 m													3.0*	3.0*	7.0
+6.0 m									4.1*	4.0			2.9*	2.9*	8.0
+4.5 m							4.8*	4.8*	4.4*	3.9			3.0*	2.9	8.6
+3.0 m			12.6*	12.6*	7.6*	7.6*	5.8*	5.3	5.0*	3.7			3.1*	2.6	8.9
+1.5 m			5.8*	5.8*	9.6*	7.6	6.9*	4.9	5.2	3.4	3.6*	2.5	3.4*	2.5	9.0
0 m			7.4*	7.4*	10.9*	7.1	7.2	4.6	5.1	3.3			3.9	2.5	8.8
-1.5 m	7.1*	7.1*	10.9*	10.9*	11.3	6.9	7.0	4.5	5.0	3.2			4.2	2.7	8.4
-3.0 m	10.9*	10.9*	15.6*	14.1	11.1*	7.0	7.0	4.5	5.0	3.2			4.9	3.1	7.6
-4.5 m	15.4*	15.4*	14.4*	14.4*	10.0*	7.2	7.2	4.6					6.6	4.2	6.3
-6.0 m															

E265BJ DIPPERSTICK 3660 mm - 600 mm SHOES

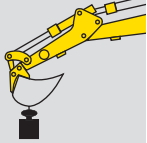
HEIGHT															
+7.5 m									3.0*	3.0*			2.2*	2.2*	7.9
+6.0 m									3.6*	3.6*			2.1*	2.1*	8.8
+4.5 m									3.9*	3.9*	3.1*	2.8	2.1*	2.1*	9.4
+3.0 m					6.4*	6.4*	5.2*	5.2*	4.5*	3.7	4.0	2.6	2.2*	2.2*	9.7
+1.5 m			9.2*	9.2*	8.7*	7.9	6.3*	5.0	5.2*	3.5	3.9	2.5	2.4*	2.2	9.7
0 m	3.1*	3.1*	7.9*	7.9*	10.3*	7.2	7.2	4.7	5.1	3.3	3.8	2.4	2.7*	2.1	9.5
-1.5 m	6.0*	6.0*	9.9*	9.9*	11.2*	6.9	7.0	4.4	4.9	3.1	3.7	2.3	3.2*	2.3	9.1
-3.0 m	9.0*	9.0*	13.3*	13.3*	11.2	6.8	6.9	4.4	4.9	3.1			4.1*	2.6	8.4
-4.5 m	12.5*	12.5*	15.6*	14.1	10.5*	7.0	7.0	4.4					5.2	3.3	7.3
-6.0 m			12.5*	12.5*	8.6*	7.3							6.5*	5.2	5.6

As per ISO 10567 with excavator equipped with bucket. The indicated load is no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Value marked with an asterisk are limited by the hydraulic system.

LIFTING CAPACITY

EL VERSION

VALUES ARE EXPRESSED IN TONNES

	RADIUS OF LOAD														
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX. REACH		REACH m
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	

E265BJ-LC DIPPERSTICK 2500 mm - 600 mm SHOES

HEIGHT															
+7.5 m													4.4*	4.4*	6.5
+6.0 m							4.6*	4.6*	4.3*	4.3*			4.2*	4.2*	7.5
+4.5 m							5.3*	5.3*	4.8*	4.3			4.3*	3.6	8.1
+3.0 m					8.4*	8.4*	6.3*	5.9	5.3*	4.1			4.5*	3.2	8.5
+1.5 m					10.3*	8.5	7.3*	5.5	5.9*	3.9			4.9	3.1	8.6
0 m			6.3*	6.3*	11.3*	8.1	8.0*	5.2	6.0	3.7			5.0	3.1	8.4
-1.5 m	7.7*	7.7*	11.4*	11.4*	11.5*	8.0	8.3*	5.1	5.9	3.7			5.5	3.4	7.9
-3.0 m	12.5*	12.5*	15.8*	15.8*	10.9*	8.1	8.0*	5.2					6.5*	4.1	7.1
-4.5 m			13.3*	13.3*	9.4*	8.4							7.1*	5.8	5.7
-6.0 m															

E265BJ-LC DIPPERSTICK 2980 mm - 600 mm SHOES

HEIGHT															
+7.5 m													3.0*	3.0*	7.0
+6.0 m									4.1*	4.1*			2.9*	2.9*	8.0
+4.5 m							4.8*	4.8*	4.4*	4.3			3.0*	3.0*	8.6
+3.0 m			12.6*	12.6*	7.6*	7.6*	5.8*	5.8*	5.0*	4.1			3.1*	3.0	8.9
+1.5 m			5.8*	5.8*	9.6*	8.6	6.9*	5.5	5.6*	3.9	3.6*	2.8	3.4*	2.8	9.0
0 m			7.4*	7.4*	10.9*	8.1	7.7*	5.2	6.0	3.7			4.0*	2.8	8.8
-1.5 m	7.1*	7.1*	10.9*	10.9*	11.4	7.9	8.2*	5.1	5.9	3.6			4.9*	3.0	8.4
-3.0 m	10.9*	10.9*	15.6*	15.6*	11.1*	7.9	8.1*	5.1	5.9	3.6			5.8	3.6	7.6
-4.5 m	15.4*	15.4*	14.4*	14.4*	10.0*	8.2	7.2*	5.2					6.6*	4.8	6.4
-6.0 m															

E265BJ-LC DIPPERSTICK 3660 mm - 600 mm SHOES

HEIGHT															
+7.5 m									3.0*	3.0*			2.2*	2.2*	7.9
+6.0 m									3.6*	3.6*			2.1*	2.1*	8.8
+4.5 m									3.9*	3.9*	3.1*	3.1	2.1*	2.1*	9.4
+3.0 m					6.4*	6.4*	5.2*	5.2*	4.5*	4.2	4.1*	3.0	2.2*	2.2*	9.6
+1.5 m			9.2*	9.2*	8.7*	8.7*	6.3*	5.6	5.2*	3.9	4.5*	2.8	2.4*	2.4*	9.7
0 m	3.1*	3.1*	7.9*	7.9*	10.3*	8.2	7.3*	5.3	5.8*	3.7	4.5	2.7	2.7*	2.5	9.5
-1.5 m	6.0*	6.0*	9.9*	9.9*	11.2*	7.9	8.0*	5.0	5.9	3.6	3.9*	2.7	3.2*	2.6	9.1
-3.0 m	9.0*	9.0*	13.3*	13.3*	11.2*	7.8	8.1*	5.0	5.8	3.5			4.1*	3.0	8.4
-4.5 m	12.5*	12.5*	15.6*	15.6*	10.5*	7.9	7.7*	5.0					5.9*	3.8	7.3
-6.0 m			12.5*	12.5*	8.6*	8.3							6.5*	5.8	5.6

As per ISO 10567 with excavator equipped with bucket. The indicated load is no more than 87% of hydraulic system lift capacity or 75% of static tipping load. Value marked with an asterisk are limited by the hydraulic system.

NEW HOLLAND. THE POWER OF A GLOBAL BRAND

New Holland is a global brand with a key position in the Construction Equipment business. It supplies a **complete range of 13 product lines and 80 basic models** split into **Compact line** and **Heavy line**. It operates in all the main markets, such as **Europe, North and Latin America, Africa, Asia and Middle East** with the same technology and under the same logo and brand. It manufactures **durable, safe and productive** machines aimed at supporting customers in developing their own business. **Dealers are company partners**. They play an important role to support the brand in their territories through intense professional relationship with Customers. New Holland is reinforced by its **global alliance with Kobelco**: world leader in hydraulic excavator technology.



AT YOUR OWN DEALERSHIP

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ELEMENTAL
CHLORINE
FREE
GUARANTEED

FIAT
GROUP



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