

E265C E305C

TIER 3



	E265C	E305C
ENGINE POWER	142 kW - 191 hp	152 kW - 204 hp
MAX OPERATING WEIGHT	27940 kg	31870 kg
BUCKET CAPACITY	0.58 - 1.40 m ³	0.60 - 1.65 m ³



BUILT AROUND YOU

AS LONG AS MAN SHAPES MATERIALS, W

**10% MORE
PRODUCTIVITY**

**10% MORE
FUEL SAVINGS**



E WILL PROVIDE THE TOOLS

**EVOLUTION
IN COMFORT
AND SAFETY**

**BUILT-IN
SERVICEABILITY
AND RELIABILITY**



THE MAIN COMPONENTS OF OUR CRA

1 HEAVY-DUTY DESIGN

The C Series excavators are designed and built to deliver the ultimate reliability and durability that customers expect.

The long undercarriage provides dynamic stability and performance.

2 INTELLIGENT HYDRAULICS

New Holland's Hydrotronic combines highly advanced electronic technology with a sophisticated hydraulic system, and has been designed to maximise the machines' performance according to the job at hand. The new ECO working mode optimizes fuel consumption while maintaining good performance.



WLER EXCAVATOR

3

NEW EVO CAB

The ROPS/FOPS compliant EVO cab provides the ultimate comfortable and safe work environment with exceptional all-round visibility and remarkably low noise and vibration levels.



3

2

1

MORE PRODUCTIVITY



DYNAMIC STABILITY

The heavy-duty design is a perfect match with the machine's powerful performance. The two versions (EL and LC) all feature a long, heavy-duty undercarriage that provides exceptional dynamic stability, ensuring a safe and productive performance on all terrains.

SUPERIOR PERFORMANCE

The exceptional stability and optimal weight distribution enable the operator to make the most of the C Series superior breakout force and lifting capacity. The Continuous Power Boost delivers extra power as and when needed, raising hydraulic pressure from 34.3 to 37.8 Mpa. Travelling on inclines and difficult terrain is easy with the excellent drawbar pull.



FLEXIBILITY AND VERSATILITY

The new generation Advanced Electronic Processor (A.E.P.) provides highly responsive controls and delivers extra power when needed. The operator can easily monitor and select the main working parameters, maintenance notifications, self diagnosis and operating data storage. Attachment management is extremely versatile, as the operator can set flow and pressure with up to 20 attachment pre-settings.

SMOOTH OPERATIONS

The high-efficiency hydraulics and new joysticks result in smooth operation and outstanding control, especially during simultaneous operation, leveling and other tasks requiring high precision. The optional Hydraulic Proportional Controls (HPC) further increase productivity and reduce operator fatigue.

+10%
PRODUCTIVITY



TOP PERFORMANCE IN ALL WORKING CONDITIONS

INTELLIGENT HYDRAULIC SYSTEM

The Hydrotronic combines advanced electronic technology that provides full just-in-time control of all machine functions with a sophisticated high-efficiency hydraulic system. It continuously optimizes hydraulic output according to the operator's demands for the job at hand.

A PERFECT COMBINATION OF SPEED, EFFICIENCY AND CONTROL

SPEED AND CONTROL WITH D.O.C.

With the Dipperstick Optimized Control (D.O.C.), the excavator always works with two pumps to ensure the operator always has the flow and speed he needs. The Hydrotronic continuously adjusts the flow and speed to match the requirements, ensuring a smooth transition when switching from lighter work to heavy digging.

SPEED AND EFFICIENCY WITH CONFLUX

The Conflux is an automatic hydraulic regeneration feature that diverts unused oil to feed the cylinder that needs it. This process is faster and more energy efficient than re-pumping oil, resulting in faster "dipper in" movement and greater efficiency.

FAST CYCLE TIME

The integrated swing priority ensures a seamless transition of additional pump power to the swing function when needed.

EFFICIENCY



HIGH-EFFICIENCY HYDRAULICS

The new improved hydraulic system minimizes friction losses and pressure drops, while the Hydrotronic advanced electronic technology ensures 100 per cent pump utilization in all applications. The result: maximum controllability, speed and power combined with minimum fuel consumption.



OPTIMIZE EFFICIENCY WITH WORKING MODES

- H Heavy-duty working mode for maximum speed and productivity
- S Standard mode for performance and fuel savings
- E Eco mode which optimizes fuel consumption

TAKE CONTROL OF YOUR MACHINE'S EFFICIENCY

The new multifunctional monitor puts the operator in full control of the machines' efficiency.

**-10%
FUEL**



THE MOST FUEL EFFICIENT CRAWLER EXCAVATOR WE HAVE EVER BUILT

New Holland excavators have a reputation for industry leading fuel efficiency; The C Series takes it to a whole new level.



ENGINE AND HYDRAULIC POWER: THE PERFECT MATCH

The high-efficiency hydraulics supply high flow at low rpm, maximizing fuel efficiency. In addition, the Hydrotonic optimizes the performance and efficiency of the machine: it maintains engine speed at the required level, preventing it from dropping. It reduces pump displacement in case of overload and continuously adjusts oil flow to avoid overloading the engine or the pumps.

A COMMITTED PARTNER



DESIGNED WITH ENVIRONMENTAL CARE

New Holland has a long history of designing products with emissions levels well below regulatory levels.

Yes to the biodiesel!

All New Holland Tier3 interim compliant products which use our FPT technology can use blends of 20% biodiesel.

LEADER IN SUSTAINABILITY

New Holland's extensive offering of low emission products, our continued focus on reducing our environmental footprint throughout our products' entire life cycle and our involvement in the community have contributed to our parent company, CNH Industrial, being recognised as Industry Leader by the Dow Jones Sustainability Index (DJSI) World and DJSI Europe. These prestigious equity indexes only admit companies that are best-in-class in managing their businesses, from an economic as well as social and environmental perspective. CNH Industrial received a score of 88/100 compared to an average of 49/100 for all companies in its sector, and was awarded first place.

SAFE OBJECT HANDLING

C Series excavators are equipped with all the safety devices required by European Standards EN 474-5: 1996 for object handling operations. The optional Object Handling Kit is available, for maximum operator confidence. The Heavy Lift function provides additional lifting capacity and more precision during load placement, which add up to safer operation.



EVOLUTION IN SAFETY

The optional available reinforced structure of the cab complies with ROPS and FOPS standards.

Together with the optional front guard it contributes to providing a safe working environment for the operator.

ROPS certified cab - ISO 12117-2

FOPS protection - ISO 10262 level 2



EXCELLENT ALL-ROUND VISIBILITY

The EVO cab is designed to maximize visibility, with a full size right window and standard rear-view camera.

WELCOME ON BOARD



EVOLUTION IN COMFORT

The spacious EVO cab is designed to maximize the operator's comfort and performance. All switches and controls are ergonomically positioned on the right side, easy to find and to reach; opening and closing the front window is easy with the one-touch lock release; and the extra wide door provides easy access.

A FULLY ADJUSTABLE WORKSTATION

The seat is adjustable in all directions, independently or with the side consoles. The armrests, integrated in the side consoles, can be placed in four different positions and inclined, enabling the operator to tailor the workstation for maximum convenience and comfort. The optional air-suspension seat with heated cushion can add further to the operator's comfort.

SUPERIOR OPERATOR ENVIRONMENT

Long working days will feel shorter with the new radio with Bluetooth and USB, and the automatic air-conditioning system.



LOW VIBRATION AND NOISE LEVEL

Six silicon liquid filled viscous dampers and enhanced soundproofing of the EVO cab result in remarkably low noise and vibration levels, adding to the operator's comfort and reducing fatigue.

OUTSTANDING VISIBILITY

The EVO cab provides excellent all-round visibility, with a full size right window and optional rear-view camera. The new standard skylight with sunshade provides a clear view to overhead obstacles.

EASY TO OPERATE

The new multifunctional monitor is easy to read with a full-color screen dedicated to the rear wide-angle camera if installed. The operator can set service interval reminders for engine oil, hydraulic oil, fuel and filters. The auxiliary hydraulics can be adjusted from the control monitor to match pressure and flow to the attachment. Self-diagnostics with fault code memory make it easy to check and adjust system pressures, engine speed, travel speed, hydraulic pressure and other operating functions. Work and attachment modes are easy to select and are clearly displayed on the monitor.

BUILT-IN SERVICEABILITY AND RELIA



DESIGNED TO CUT OPERATING COSTS

The side-by-side radiator layout improves cooling performance and is exceptionally easy to clean. Easy-to-change engine oil and fuel filters and ground access to all daily service points contribute to maximizing the machine's uptime.



SERVICE POINTS AT GROUND LEVEL

The engine oil filter, fuel filter and water separator, which removes contaminants and water, are key for good engine performance and durability. They are remote mounted and easy to reach from ground level for easy maintenance.



CENTRALISED LUBRICATION

Grouped and centralised greasing points, allow all boom wear points to be easily greased from ground level.

LONG LIFE HYDRAULIC OIL

The long-life hydraulic oil has excellent anti-emulsion characteristics as well as an optimized mix of anti-wear and anti-oxidants additives that extend service intervals to 5000 hours, resulting in an impressive reduction in operation costs and environmental impact



MORE RELIABILITY AND DURABILITY WITH THE HEAVY DUTY DESIGN

Booms and arms were designed using advanced CAD and FEM (Finite Elements Methodology) Systems to maximize strength in those areas where stresses are concentrated. The result is a strong Heavy Duty front attachment that can deal with the toughest applications.

BUCKET LINKAGE WITH DOUBLE BUSHING

Additional external bushings made of anti-wear steel provide extra protection to the arm and bucket's long-life internal bushing. When the radial surface becomes worn, these bushings are easy to change, increasing pin and bushing durability while reducing operating costs.

ARM PROTECTION

An optional arm protection is available to further extend durability even in rocky applications.

BUILT TO LAST

The heavy-duty X-frame undercarriage is built to last, with rollers, sprockets and travel motors sealed for a long life. The two track frames come with a standard central mounted track guide. Four additional track guides are also available as an option for work in particularly uneven or rocky terrain. They help keep the chains on the rollers and protect them, ensuring greater durability, efficiency and safety.

SPECIFICATIONS



ENGINE TIER 3

Make and model FPT F4HE9684C
 Engine Power (ISO 14396/ECE R120) 142 kW/191 hp (2000 rpm)
 Maximum torque 848 Nm (1400 rpm)
 Type Water-cooled, direct injection, common-rail type diesel engine
 with turbo-charger and intercooler.
 Displacement 6.7 l
 N. of cylinders 6
 Bore x stroke 104 x 132 mm
Remote engine oil filter for easy replacement
Electronic engine rpm control, dial type
Auto-Idling selector returns engine to minimum rpm when all
 controls are in neutral position
Outside temperature start as standard equipment:
 Hot climate (AME) version -25°/+45°
 Cold climate (CIS) version -30°/+40°
 The engine complies with 97/68/EC Stage 3A (Tier3)



ELECTRICAL SYSTEM

Voltage / Alternator 24V / 70 A
 Starter motor 4 kW
 Maintenance-free batteries 2 x 12V / 160 Ah



TRANSMISSION

Type hydrostatic, two-speed, Automatic DownShift
 Travel motors axial piston type, double displacement
 Brakes automatic discs type
 Final drive oil bath, planetary reduction
 Gradeability 70% (35°)
 Travel speeds low 0 - 3.7 km/h / high 0 - 5.7 km/h
 Drawbar pull 244 kN



UNDERCARRIAGE

X-frame undercarriage design
 Reinforced track chain with sealed bushing

	E265C EL	E265C LC
Track rollers (each side)	9	9
Carrier rollers (each side)	2	2
Length of track on ground (mm)	3850	3850
Gauge (mm)	2390	2590
Shoes (mm)	600-700	600-700
	800-900	800-900
Shoe type	Tractor type triple grouser shoe	
No. for each side	51	
Height of grouser shoe	26 mm	



HYDRAULIC SYSTEM

High capacity double pumps with electronic delivery adjustment.
 Variable displacement pistons pumps revert in neutral automatically to
 zero. Main Control Valve with Fail Safe Function and Anti drift valve.
 H.A.O.A. (Hydrotronic Active Operation Aid)

E.S.S.C. (Engine Speed Sensing Control)
 D.O.C. (Dipperstick Optimized Control)
 C.P.B. (Continuous Power Boost)
 New generation A.E.P. (Advanced Electronic Processor)

3 working Modes

H Mode - Heavy duty excavation work
 S Mode - Standard digging and loading work
 E Mode - Fuel Economy

Attachments Modes

Breaker (One-way hydraulic flow)
 Nibbler (Two-way hydraulic flow)
 Attachments flow and pressure setting from cab, 20 presets storage

Hydraulic pump

Max flow at rated engine speed 2 x 246 l/min
 Piloting circuit gear type pump max 20 l/min

Directional control valves

Type 8-spool valve

System Pressures

Boom, Arm & Bucket 34.3 MPa
 with Power Boost 37.8 MPa
 Travel 34.3 MPa
 Swing 28.5 MPa
 Pilot control Circuit 5 MPa



CAPACITIES

Engine oil 18.3 l
 Fuel tank 460 l
 Hydraulic system (incl. 170 l tank) 280 l
 Cooling system 25 l



SWING

Swing motor axial piston type
 Swing brake hydraulic brake
 Swing speed 0-11 rpm



CAB AND CONTROLS

Operator's cab

Structure Fully enclosed steel structure
 EVO operator cab evolution in comfort
 and safety. Optional can be compliant to ROPS (ISO 12117-2) and FOPS
 (ISO 10262 level II) standards

Rear camera optional
 Monitor integrated multi-function control monitor
 with integrated rear view camera display. (if opt. selected)

Operator's seat

Operator's seat Adjustable and reclining device

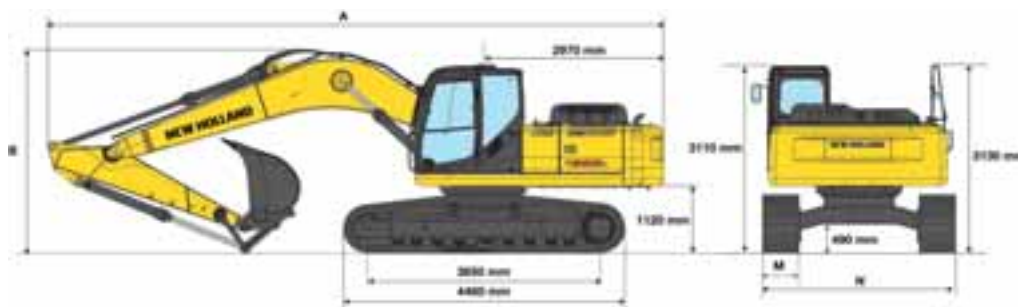
Operation

Travel Two hand levers or two foot pedals for
 forward and backward operations of each track independently
 Excavating and swing Two hand levers for four operations

Sound Level

External guaranteed sound level
 (EU Directive 2000/14/EC) LwA 103 dB(A)
 Operator cab sound pressure level (ISO 6396) LpA 71 dB(A)

DIMENSIONS - MONOBOOM



EL / LC VERSION

ARM		2160	2500	2980	3660
A - Overall length	mm	10300	10180	10120	10130
B - Boom height in transport position	mm	3450	3380	3210	3370
Overall height	mm	3450	3380	3210	3370

OPERATING WEIGHT - MONOBOOM

ARM		EL VERSION				LC VERSION			
M - Shoe width	mm	600	700	800	900	600	700	800	900
N - Maximum width	mm	2990	3090	3190	3290	3190	3290	3390	3490
Operating weight	kg	26300	26610	26920	27230	26400	26710	27020	27320
Ground pressure*	bar	0.588	0.51	0.451	0.405	0.59	0.511	0.453	0.407

* 2980 mm arm

DIGGING PERFORMANCE

ARM		2160	2500	2980	3660
A - Max. digging reach	mm	9610	9880	10290	10960
B - Max. digging reach at ground level	mm	9430	9700	10120	10800
C - Max. digging depth	mm	6110	6460	6940	7600
C' - 2.4 mt level digging depth	mm	5880	6250	6760	7450
D - Max. digging height	mm	9620	9710	9840	10260
E - Max. dumping clearance	mm	6690	6760	6910	7310
F - Min. swing radius	mm	3930	3930	3930	3940

BREAKOUT FORCE

ARM		2160	2500	2980	3660
Bucket	daN	18700	18700	18700	18700
Dipperstick	daN	18500	15900	12400	10500

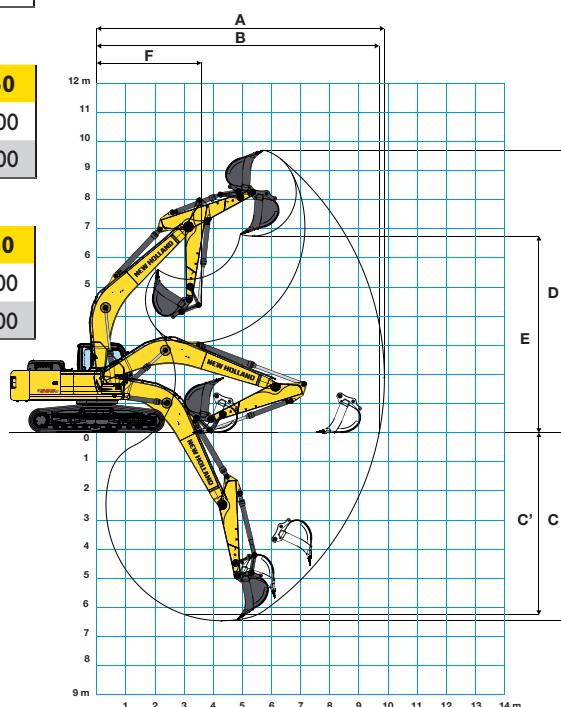
WITH "POWER BOOST" ON

ARM		2160	2500	2980	3660
Bucket	daN	20600	20600	20600	20600
Dipperstick	daN	20300	17500	13600	11600

BUCKETS			E265C EL				E265C LC			
Width (mm)	Capacity m ³ SAE J296 (ISO 7451)	Weight (kg)	Arm mm				Arm mm			
			2160	2500	2980	3660	2160	2500	2980	3660
750	0.58	587								
850	0.68	650								
1000	0.845	708								
1200	1.06	810								
1300	1.175	830								
1500	1.395	920								

General digging work (specific weight of material < 1.8 t/m³)

Slightly heavy digging work (specific weight of material < 1,5 t/m³)



E265C

LIFTING CAPACITY EL VERSION

MONOBOOM - DIPPERSTICK 2160 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+9.0 m														
+7.5 m														
+6.0 m													5.9*	5.7
+4.5 m							6.6*	6.6*	6.2*	5.4			6.1*	4.9
+3.0 m					10.2*	10.2*	7.7*	7.1	6.7*	5.3			6.4*	4.5
+1.5 m					12.2*	9.7	8.8*	6.7	7.3*	5.1			6.8*	4.4
0 m					13.1*	9.5	9.6*	6.5	7.7*	5.0			7.0	4.5
-1.5 m			13.2*	13.2*	13.3*	9.4	9.9*	6.5	7.8*	4.9			7.7	4.9
-3.0 m			17.9*	17.9*	12.7*	9.6	10.6*	10.0					8.4*	5.8
-4.5 m			15.0*	15.0*	10.8*	10.0							9.3*	8.2

MONOBOOM - DIPPERSTICK 2500 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+9.0 m														
+7.5 m													4.9*	4.9*
+6.0 m									5.5*	5.5*			4.8*	4.8*
+4.5 m							6.2*	6.2*	5.8*	5.5			4.9*	4.6
+3.0 m					9.5*	9.5*	7.4*	7.2	6.4*	5.3			5.1*	4.3
+1.5 m					11.7*	9.9	8.5*	6.8	7.0*	5.1			5.6*	4.2
0 m			7.7*	7.7*	12.9*	9.5	9.4*	6.6	7.6*	5.0			6.3*	4.2
-1.5 m	8.6*	8.6*	12.4*	12.4*	13.3*	9.5	9.9*	6.5	7.8	4.9			7.1	4.5
-3.0 m	13.2*	13.2*	18.4*	18.2*	13.0*	9.6	9.7*	6.5					8.0*	5.2
-4.5 m			16.3*	16.3*	11.6*	9.9							8.8*	7.0

LC VERSION

MONOBOOM - DIPPERSTICK 2160 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+9.0 m														
+7.5 m														
+6.0 m													5.9*	5.9*
+4.5 m							6.6*	6.6*	6.2*	5.8			6.1*	5.3
+3.0 m					10.2*	10.2*	7.7*	7.7	6.7*	5.7			6.4*	4.9
+1.5 m					12.2*	10.6	8.8*	7.3	7.3*	5.5			6.8*	4.7
0 m					13.1*	10.4	9.6*	7.1	7.7*	5.3			7.0	4.8
-1.5 m			13.2*	13.2*	13.3*	10.3	9.9*	7.0	7.8	5.3			7.6	5.2
-3.0 m			17.9*	17.9*	12.7*	10.5	9.6*	7.1					8.4*	6.2
-4.5 m	15.0*	15.0*	10.8*	10.8*									9.3*	8.9

MONOBOOM - DIPPERSTICK 2500 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+9.0 m														
+7.5 m													4.9*	4.9*
+6.0 m									5.5*	5.5*			4.8*	4.8*
+4.5 m							6.2*	6.2*	5.8*	5.8*			4.9*	4.9*
+3.0 m					9.5*	9.5*	7.4*	7.4*	6.4*	5.7			5.1*	4.6
+1.5 m					11.7*	10.8	8.5*	7.4	7.0*	5.5			5.6*	4.5
0 m			7.7*	7.7*	12.9*	10.4	9.4*	7.1	7.6*	5.4			6.3*	4.5
-1.5 m	8.6*	8.6*	12.4*	12.4*	13.3*	10.3*	9.9*	7.0	7.7	5.3			7.1	4.9
-3.0 m	13.2*	13.2*	18.4*	18.4*	13.0*	10.5	9.7*	7.0					8.0*	5.7
-4.5 m			16.3*	16.3*	11.6*	10.8							8.8*	7.6

MONOBOOM - DIPPERSTICK 2980 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+7.5 m													3.7*	3.7*
+6.0 m									4.9*	4.9*			3.6*	3.6*
+4.5 m									5.3*	5.3*			3.6*	3.6*
+3.0 m					13.8*	13.8*	8.6*	8.6*	6.8*	6.8*	6.0*	5.3	4.5*	4.1
+1.5 m					7.0*	7.0*	10.9*	10.0	8.0*	6.8	6.7*	5.1	5.1*	4.0
0 m					8.5*	8.5*	1.5*	9.5	9.1*	6.5	7.3*	6.4		4.6*
-1.5 m	8.0*	8.0*	11.8*	11.8*	13.1*	9.4	9.7*	6.7	7.7	4.8			5.5*	4.2
-3.0 m	11.6*	11.6*	16.3*	16.3*	13.1*	9.4	9.7*	6.4	7.6*	4.8			7.2*	4.7
-4.5 m			17.3*	17.3*	12.1*	9.6	9.0*	5.5					7.2*	4.7
-6.0 m														

MONOBOOM - DIPPERSTICK 3660 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+7.5 m													2.8*	2.8*
+6.0 m											3.0*	3.0*	2.8*	2.8*
+4.5 m									4.7*	4.7*	4.2*	4.2*	2.8*	2.8*
+3.0 m							6.0*	6.0*	5.4*	5.3	5.0*	4.1	2.9*	2.9*
+1.5 m					9.9*	9.9*	9.8*	9.8*	7.3*	6.9	6.2*	5.1	5.5*	3.9
0 m	4.1*	4.1*	8.7*	8.7*	11.7*	9.6	8.5*	6.5	6.9*	4.9	6.0*	3.8	3.3*	3.3*
-1.5 m	6.8*	6.8*	10.7*	10.7*	12.7*	9.2	9.3*	6.3	7.4*	4.7	5.3*	3.8	3.8*	3.6
-3.0 m	9.7*	9.7*	14.0*	14.0*	13.0*	9.2	9.6*	6.2	7.5	4.7			4.9*	4.6
-4.5 m	13.1*	13.1*	18.4*	17.8	12.5*	9.3	9.3*	6.3					6.5*	4.9
-6.0 m			15.4*	15.4*	10.7*	9.7							8.1*	7.0

MONOBOOM - DIPPERSTICK 2980 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+7.5 m													3.7*	3.7*
+6.0 m													3.7*	3.7*
+4.5 m									4.9*	4.9*			3.6*	3.6*
+3.0 m									5.3*	5.3*			3.6*	3.6*
+1.5 m					13.8*	13.8*	8.6*	8.6*	6.8*	6.8*	6.0*	5.7	4.5*	4.4
0 m					7.0*	7.0*	10.9*	10.9*	8.0*	7.4	6.7*	5.5	5.1*	4.3
-1.5 m					8.5*	8.5*	12.5*	10.4	9.1*	7.1	7.3*	5.3		4.6*
-3.0 m	8.0*	8.0*	11.8*	11.8*	13.1*	10.2	9.7*	6.9	7.7	5.2			5.5*	4.5
-4.5 m	11.6*	11.6*	16.3*	16.3*	11.1*	10.3	9.7*	6.9	7.6*	5.2			7.2*	5.1
-6.0 m			17.3*	17.3*	12.1*	10.5	9.0*	7.1					8.2*	6.5

MONOBOOM - DIPPERSTICK 3660 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+7.5 m													2.8*	2.8*
+6.0 m											3.0*	3.0*	2.8*	2.8*
+4.5 m									4.7*	4.7*	4.2*	4.2*	2.8*	2.8*
+3.0 m									6.0*	6.0*	5.4*	5.4*	2.9*	2.9*
+1.5 m					9.9*	9.9*	9.8*	9.8*	7.3*	7.3*	6.2*	5.5	5.5*	4.2
0 m	4.1*	4.1*	8.7*	8.7*	11.7*	10.5	8.5*	7.1	6.9*	5.2	6.0*	4.1	3.3*	3.3*
-1.5 m	6.8*	6.8*	10.7*	10.7*	12.7*	10.1	9.3*	6.8	7.4*	5.1	5.3*	4.1	3.8*	3.8*
-3.0 m	9.7*	9.7*	14.0*	14.0*	13.0*	10.1	9.6*	6.8	7.5	5.1			4.7*	4.3
-4.5 m	13.1*	13.1*	18.4*	18.4*	12.5*	10.2	9.3*	6.8					6.5*	5.2
-6.0 m			15.4*	15.4*	10.7*	10.6							8.1*	7.6

As per ISO 10567 with excavator equipped with bucket and without Heavy Lift. The indicated load is no more than 87% of hydraulic system lifting capacity or 75% of static tipping load. Values marked with an asterisk are limited by the hydraulic system.



E305C

SPECIFICATIONS



ENGINE TIER 3

Make and model FPT F4HE9684B
Engine Power (ISO 14396/ECE R120)..... 152 kW/204 hp (2000 rpm)
Maximum torque..... 912 Nm (1400 rpm)
TypeWater-cooled, direct injection, common-rail type diesel engine
with turbo-charger and intercooler.
Displacement..... 6.7 l
N. of cylinders..... 6
Bore x stroke..... 104 x 132 mm
Remote engine oil filter for easy replacement
Electronic engine rpm control, dial type
Auto-Idling selector returns engine to minimum rpm when all
controls are in neutral position
Outside temperature start as standard equipment:
Hot climate (AME) version -25°/+45°
Cold climate (CIS) version -30°/+40°
The engine complies with 97/68/EC Stage 3A (Tier3)



ELECTRICAL SYSTEM

Voltage / Alternator 24 V / 70 A
Starter motor..... 4 kW
Maintenance-free batteries..... 2 x 12V / 160 Ah



TRANSMISSION

Type hydrostatic, two-speed, Automatic DownShift
Travel motors axial piston type, double displacement
Brakes..... automatic discs type
Final drive..... oil bath, planetary reduction
Gradeability 70% (35°)
Travel speeds..... low 0 - 3.7 km/h / high 0 - 5.7 km/h
Drawbar pull 254 kN



UNDERCARRIAGE

X-frame undercarriage design
Reinforced track chain with sealed bushing

	E305C EL	E305C LC
Track rollers (each side)	9	9
Carrier rollers (each side)	2	2
Length of track on ground (mm)	4010	4010
Gauge (mm)	2390	2590
Shoes (mm)	600-700	600-700
	800-900	800-900
Shoe type	Tractor type triple grouser shoe	
No. for each side	50	
Height of grouser shoe	30 mm	



HYDRAULIC SYSTEM

High capacity double pumps with electronic delivery adjustment.
Variable displacement pistons pumps revert in neutral automatically to
zero. Main Control Valve with Fail Safe Function and Anti drift valve.
H.A.O.A. (Hydrotronic Active Operation Aid)

E.S.S.C. (Engine Speed Sensing Control)
D.O.C. (Dipperstick Optimized Control)
C.P.B. (Continuous Power Boost)
New generation A.E.P. (Advanced Electronic Processor)

3 working Modes

H Mode - Heavy duty excavation work
S Mode - Standard digging and loading work
E Mode - Fuel Economy

Attachments Modes

Breaker (One-way hydraulic flow)
Nibbler (Two-way hydraulic flow)
Attachments flow and pressure setting from cab, 20 presets storage

Hydraulic pump

Max flow at rated engine speed..... 2 x 246 l/min
Piloting circuit gear type pump..... max 2 l/min

Directional control valves

Type 8-spool valve

System Pressures

Boom, Arm & Bucket 34.3 MPa
with Power Boost 37.8 MPa
Travel 34.3 MPa
Swing 29 MPa
Pilot control Circuit 5 MPa



CAPACITIES

Engine oil 18.3 l
Fuel tank 460 l
Hydraulic system (incl. 170 l tank) 280 l
Cooling system 25 l



SWING

Swing motor axial piston type
Swing brake hydraulic brake
Swing speed 0-11 rpm



CAB AND CONTROLS

Operator's cab

Structure Fully enclosed steel structure
EVO operator cab evolution in comfort
and safety. Optional can be compliant to ROPS (ISO 12117-2) and FOPS
(ISO 10262 level II) standards

Rear camera optional
Monitor integrated multi-function control monitor
with integrated rear view camera display. (if opt. selected)

Operator's seat

Operator's seat Adjustable and reclining device

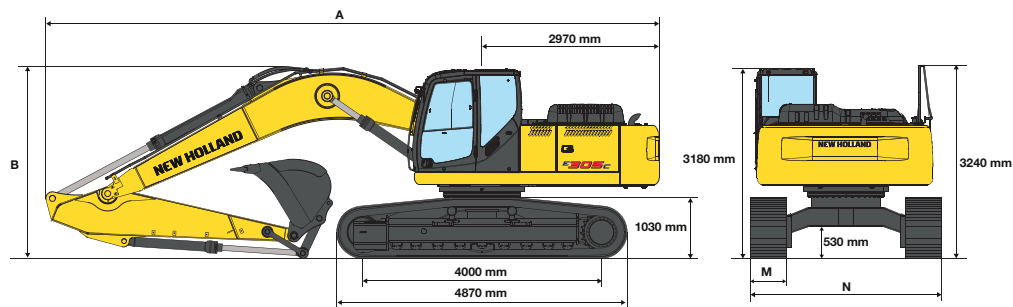
Operation

Travel Two hand levers or two foot pedals for
forward and backward operations of each track independently
Excavating and swing Two hand levers for four operations

Sound Level

External guaranteed sound level
(EU Directive 2000/14/EC) LwA 103 dB(A)
Operator cab sound pressure level (ISO 6396) LpA 71 dB(A)

DIMENSIONS - MONOBOOM



EL / LC VERSION

ARM		2100	2400	3200	4000
A - Overall length	mm	10570	10390	10280	10340
B - Boom height in transport position	mm	3570	3500	3220	3460
Overall height	mm	3570	3500	3240	3460

OPERATING WEIGHT - MONOBOOM

ARM		EL VERSION				LC VERSION			
M - Shoe width	mm	600	700	800	900	600	700	800	900
N - Maximum width	mm	2990	3090	3190	3290	3190	3290	3390	3490
Operating weight	kg	29800	30180	30560	30940	29900	30280	30660	31040
Ground pressure*	bar	0.666	0.578	0.512	0.461	0.668	0.58	0.514	0.462

* 3200 mm arm

DIGGING PERFORMANCE

ARM		2100	2400	3200	4000
A - Max. digging reach	mm	9800	10100	10800	11600
B - Max. digging reach at ground level	mm	9600	9900	10600	11400
C - Max. digging depth	mm	6200	6500	7200	8000
C' - 2,4 mt level digging depth	mm	6000	6300	7300	7900
D - Max. digging height	mm	9600	9900	10200	10600
E - Max. dumping clearance	mm	3735	3385	2581	1781
F - Min. swing radius	mm	4200	4200	4200	4300

BREAKOUT FORCE

ARM		2100	2400	3200	4000
Bucket	daN	19150	19150	19150	19150
Dipperstick	daN	19065	16345	13000	11215

WITH "POWER BOOST" ON

ARM		2100	2400	3200	4000
Bucket	daN	21050	21050	21050	21050
Dipperstick	daN	20955	17965	14400	12300

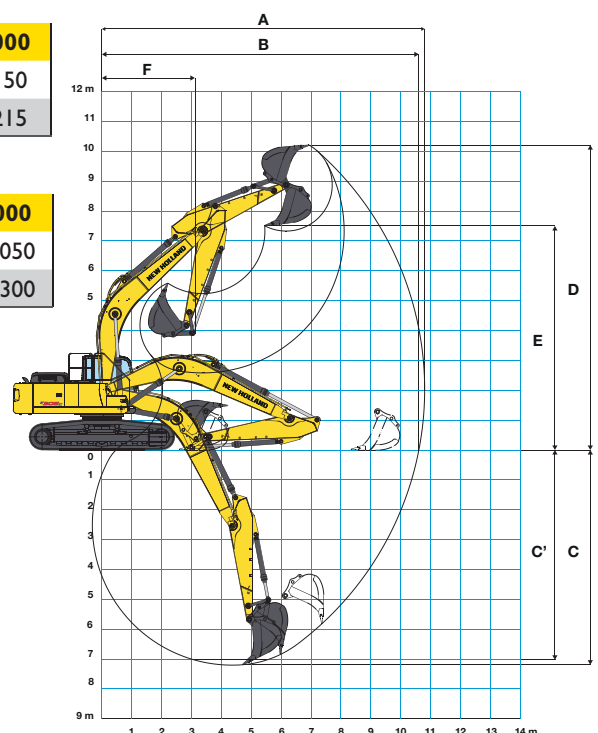
BUCKETS			E305C EL				E305C LC			
Width (mm)	Capacity m ³ SAE J296 (ISO 7451)	Weight (kg)	Arm mm				Arm mm			
			2100	2400	3200	4000	2100	2400	3200	4000
800	0.60	620								
1000	0.80	720								
1200	1.10	820								
1400	1.40	930								
1600	1.65	1050				X				X

General digging work (specific weight of material < 1.8 t/m³)

Loading work (specific weight of material < 1.2 t/m³)

Slightly heavy digging work (specific weight of material < 1.5 t/m³)

X Bucket not applicable



E305C

LIFTING CAPACITY EL VERSION

MONOBOOM - DIPPERSTICK 2100 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+9.0 m														
+7.5 m							6.4*	6.4*					6.4*	6.4*
+6.0 m							6.6*	6.6*					6.5*	6.5*
+4.5 m					9.2*	9.2*	7.5*	7.5*	6.8*	6.1			6.7*	5.6
+3.0 m					11.7*	11.7*	8.7*	8.0	7.3*	5.9			7.0*	5.2
+1.5 m					13.6*	11.1	9.7*	7.6	7.9*	5.7			7.3*	5.0
0 m					14.2*	10.9	10.4*	7.4	8.3*	5.6			7.8*	5.1
-1.5 m			14.9*	14.9*	14.0*	10.9	10.5*	7.3	8.3*	5.5			8.3*	5.5
-3.0 m			17.8*	17.8*	13.1*	11.1	9.9*	7.4					8.9*	6.6
-4.5 m			14.7*	14.7*	10.9*	10.9*							9.6*	9.6*

MONOBOOM - DIPPERSTICK 2400 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+9.0 m														
+7.5 m													5.6*	5.6*
+6.0 m							6.2*	6.2*	6.1*	6.1*			5.4*	5.4*
+4.5 m					8.5*	8.5*	7.1*	7.1*	6.4*	6.1			5.5*	5.2
+3.0 m					11.0*	11.0*	8.3*	8.1	7.1*	5.9			5.8	4.8
+1.5 m					13.1*	11.2	9.4*	7.6	7.7*	5.7			6.4	4.7
0 m					14.0*	10.9	10.2*	7.4	8.1*	5.5			7.3*	4.7
-1.5 m			13.5*	13.5*	14.0*	10.9	10.5*	7.3	8.3*	5.5			7.7*	5.1
-3.0 m	15.2*	15.2*	18.7*	18.7*	13.4*	11.0	10.1*	7.3					8.3*	5.9
-4.5 m			15.9*	15.9*	11.5*	11.3							8.9*	8.1

LC VERSION

MONOBOOM - DIPPERSTICK 2100 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+9.0 m														
+7.5 m							6.4*	6.4*					6.4*	6.4*
+6.0 m							6.6*	6.6*					6.5*	6.5*
+4.5 m					9.2*	9.2*	7.5*	7.5*	6.8*	6.1			6.7*	5.6
+3.0 m					11.7*	11.7*	8.7*	8.0	7.3*	5.9			7.0*	5.2
+1.5 m					13.5*	11.1	9.7*	7.6	7.9*	5.7			7.3*	5.0
0 m					14.2*	10.9	10.4*	7.4	8.3*	5.6			7.8*	5.1
-1.5 m			14.9*	14.9*	14.0*	10.9	10.5*	7.4	8.3*	5.6			8.3*	5.6
-3.0 m			17.8*	17.8*	13.0*	11.1	9.9*	7.5					8.9*	6.6
-4.5 m			14.6*	14.6*	10.8*	10.8*							9.6*	9.6*

MONOBOOM - DIPPERSTICK 2400 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+9.0 m														
+7.5 m													5.6*	5.6*
+6.0 m							6.2*	6.2*	6.1*	6.1*			5.4*	5.4*
+4.5 m					8.5*	8.5*	7.1*	7.1*	6.4*	6.2			5.5*	5.2
+3.0 m					11.0*	11.0*	8.3*	8.1	7.0*	5.9			5.8*	4.8
+1.5 m					13.1*	11.3	9.4*	7.7	7.7*	5.7			6.4*	4.7
0 m					14.0*	10.9	10.2*	7.4	8.1*	5.6			7.3*	4.8
-1.5 m			13.5*	13.5*	13.4*	11.0	10.5*	7.3	8.3*	5.5			7.7*	5.1
-3.0 m	15.2*	15.2*	18.7*	18.7*	11.0*	13.4	10.1*	7.4					8.3*	5.9
-4.5 m			15.9*	15.9*	11.5*	11.3							8.9*	8.1

MONOBOOM - DIPPERSTICK 3200 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+7.5 m									4.0*	4.0*			3.2*	3.2*
+6.0 m									5.3*	5.3*			3.1*	3.1*
+4.5 m							6.1*	6.1*	5.7*	5.7*	3.9*	3.9*	3.2*	3.2*
+3.0 m			15.6*	15.6*	9.5*	9.5*	7.4*	7.4*	6.4*	5.9	5.4*	4.6	3.3*	3.3*
+1.5 m			7.2*	7.2*	11.9*	11.4	8.7*	7.7	7.1*	5.7	6.2*	4.4	3.5*	3.5*
0 m			8.9*	8.9*	13.4*	10.9	9.7*	7.4	7.7*	5.5	5.9*	4.3	3.9*	3.9*
-1.5 m	8.7*	8.7*	12.2*	12.2*	13.9*	10.7	10.2*	7.2	8.1*	5.4			4.6*	4.4
-3.0 m	12.1*	12.1*	16.5*	16.5*	13.7*	10.7	10.2*	7.1	8.0*	5.4			5.9*	5.0
-4.5 m	16.1*	16.1*	17.9*	17.9*	12.6*	0.9	9.4*	7.3					8.0*	6.2
-6.0 m					9.4*	9.4*							8.8*	8.8*

MONOBOOM - DIPPERSTICK 4000 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+7.5 m													2.5*	2.5*
+6.0 m											3.6*	3.6*	2.4*	2.4*
+4.5 m									4.9*	4.9*	4.8*	4.7	2.4*	2.4*
+3.0 m							6.3*	6.3*	5.6*	5.6*	5.2*	4.5	2.5*	2.5*
+1.5 m			11.1*	11.1*	10.4*	10.4*	7.7*	7.7	6.4*	5.6	5.7*	4.3	2.6*	2.6*
0 m	4.7*	4.7*	9.5*	9.5*	12.3*	10.8	8.9*	7.3	7.1*	5.4	6.1*	4.2	2.9*	2.9*
-1.5 m	7.3*	7.3*	11.3*	11.3*	13.4*	10.4	9.7*	7.0	7.7*	5.2	6.4*	4.1	3.3*	3.3*
-3.0 m	10.1*	10.1*	14.3*	14.3*	13.6*	10.3	10.0*	6.9	7.9*	5.1			4.0*	4.0*
-4.5 m	13.2*	13.2*	18.5*	18.5*	13.0*	10.5	9.7*	6.9	7.5*	5.2			5.4*	4.9
-6.0 m			16.1*	16.1*	11.2*	10.8	8.2*	7.2					7.7*	6.8

MONOBOOM - DIPPERSTICK 3200 mm

HEIGHT	RADIUS OF LOAD													
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+7.5 m									4.0*	4.0*			3.2*	3.2*
+6.0 m									5.3*	5.3*			3.1*	3.1*
+4.5 m							6.1*	6.1*	5.7*	5.7*	3.9*	3.9*	3.2*	3.2*
+3.0 m			15.6*	15.6*	9.5*	9.5*	7.4*	7.4*	6.4*	6.0	5.4*	4.6	3.3*	3.3*
+1.5 m			7.2*	7.2*	11.9*	11.9*	8.7*	7.7	7.1*	5.7	6.2*	4.4	3.5*	3.5*
0 m			8.9*	8.9*	13.4*	10.9	9.7*	7.4	7.7*	5.5	5.9*	4.3	3.9*	3.9*
-1.5 m	8.7*	8.7*	12.2*	12.2*	13.9*	10.7	10.2*	7.2	8.1*	5.4			4.6*	4.4
-3.0 m	12.1*	12.1*	16.5*	16.5*	13.7*	10.7	10.2*	7.2	8.0*	5.4			5.9*	5.0
-4.5 m	16.1*	16.1*	17.9*	17.9*	12.6*	11.0	9.4*	7.3					8.0*	6.2
-6.0 m					9.7*	9.7*							8.8*	8.8*

MONOBOOM - DIPPERSTICK 4000 mm

HEIGHT	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		
+7.5 m													2.5*	2.5*	8.65	
+6.0 m											3.6*	3.6*	2.4*	2.4*	9.45	
+4.5 m									4.9*	4.9*	4.8*	4.7	2.4*	2.4*	9.95	
+3.0 m							6.3*	6.3*	5.6*	5.6*	5.2*	4.5	2.5*	2.5*	10.21	
+1.5 m			11.1*	11.1*	10.4*	10.4*	7.7*	7.7*	6.4*	5.6	5.7*	4.3	2.6*	2.6*	10.25	
0 m	4.7*	4.7*	9.5*	9.5*	12.3*	10.9	8.9*	7.3	7.1*	5.4	6.1*	4.2	2.9*	2.9*	10.06	
-1.5 m	7.3*	7.3*	11.3*	11.3*	13.4*	10.5	9.7*	7.0	7.7*	5.2	6.4*	4.1	3.3*	3.3*	9.63	
-3.0 m	10.1*	10.1*	14.3*	14.3*	13.6*	10.4	10.0*	6.9	7.9*	5.1			4.0*	4.0*	8.83	
-4.5 m	13.2*	13.2*	18.5*	18.5*	13.0*	10.5	9.7*	6.9	7.5*	5.2			5.4*	4.9	7.99	
-6.0 m			16.1*	16.1*	11.2*	10.8	8.2*	7.2					7.7*	6.8	6.31	

COMPONENT WEIGHTS & DIMENSIONS (mm)

E265C BOOM		MONO BOOM
Length	mm	6200
Height	mm	1610
Width	mm	760
Weight	kg	2100

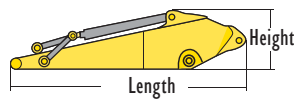
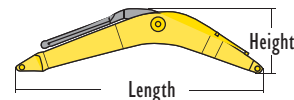
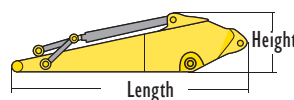
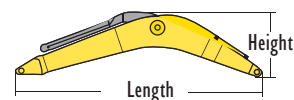
E265C ARM		2160	2500
Length	mm	3290	3590
Height	mm	1030	900
Width	mm	330	330
Weight	kg	1150	1200

E305C BOOM		MONO BOOM
Length	mm	6410
Height	mm	1720
Width	mm	940
Weight	kg	2100

E305C ARM		2100	2400
Length	mm	3240	3510
Height	mm	1080	930
Width	mm	670	670
Weight	kg	1280	1270

Includes bucket cylinder, linkage and pin

Counterweight	kg	6200
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STANDARD EQUIPMENT

- Tier 3 Engine 6 cylinders 6.7 liters
- H.A. O.A. (Hydrotronic active operation aid)
- C.P.B. (Continuous Power Boost)
- Auto-Idling device
- 1 track guide for each side
- Two travel speed with Automatic Down Shift device
- Tool box
- Centralized boom lubrication
- Grease bath swing ring
- Rear mirror
- Two spot lights on lifting boom
- Transparent cab roof and opening front window
- Mechanical seat suspension
- Adjustable armrests
- New generation A.E.P. (Advanced Electronic Processor)
- Multi-function control monitor with integrated rearview camera, mode and attachments selection, gauges for coolant temperature, fuel tank. Menu functions for fuel consumption graphing, maintenance schedules, system status. Auto-Idling mode selector.
- Automatic air conditioner
- Pressure drain switch
- Horn

OPTIONS

- Radio USB&Bluetooth with speakers set
- Rear view camera
- Automatic fuel electrical pump
- Cab with structures compliant per ISO 12177-2 (ROPS) and ISO 10262 (FOPS)
- Antitheft device
- Rotating beacon
- Cab additional lights and rain protection
- Cab front guard
- Lower frame cover
- Arm protection
- Front and rear additional track guide
- Hydraulic quick coupler provision
- Object handling kit
- Customer color
- Heated air suspension seat
- Hammer and crusher circuit with foot control
- Hammer and crusher circuit HPC (Hydraulic Proportional Control)
- Hammer, crusher and extra circuit (Hydraulic Proportional Control)
- One piece boom, triple articulation (2 piece boom)
- Arm E265C :
2160 - 2500 - 2980 - 3660
- Arm E305C :
2100 - 2400 - 3200 - 4000
- Shoes:
EL version 600 - 700 - 800 - 900 mm
LC version 600 - 700 - 800 - 900 mm

Note: standard and optional equipment may vary by country. Consult your NEW HOLLAND dealer for specific details.

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.

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