

# HYDRAULIC EXCAVATORS



JOHN DEERE

E300 LC / E330 LC / E360 / E380 LC / E400 LC

A large John Deere hydraulic excavator is shown in a construction setting. The machine is primarily grey with yellow accents on the boom and bucket. The boom has "DEERE" written on it. The bucket is yellow and is dumping a large amount of reddish-brown soil. The background is a bright blue sky with scattered white clouds. The excavator is positioned on a mound of earth.

*POWER*  
**PLUS CONTROL**

A close-up, low-angle shot of a Deere excavator's yellow bucket dumping a large amount of sand. The sand is falling in a thick, golden stream, creating a large cloud of dust at the bottom. The excavator's black arm is visible in the upper right, with the word "DEERE" printed in white. The background is a bright blue sky with scattered white clouds. The overall scene is dynamic and emphasizes the power and capability of the machinery.

DEERE

**TAKE ON  
MORE.**



POWERFUL



EFFICIENT



## ***MORE THAN MUSCLE.***

Boasting exceptional digging forces, swing torques, and lift capacities, our E300 LC, E330 LC, E360, E380 LC, and E400 LC Excavators provide generous muscle for mass excavation. But even with their extra ability, these excavators don't compromise the smooth control and multifunction capability that have become the trademarks of John Deere excavators. Field-proven Deere PowerTech Plus engines deliver superb fuel efficiency and is fully integrated with our Intelligent Hydraulic (JD-IHC) system to deliver fast, smooth response. Redesigned cab boasts new ergonomic automotive-quality styling, a new touch-screen monitor, and intuitive controls. And expanded bucket options and additional auxiliary hydraulic lines allow you to power a wide array of attachments. Powerful and productive, yet efficient and easy to run, these large excavators can help your operation achieve its full potential.

# EVERY MOMENT MATTERS

## PROVEN RELIABILITY.

Uptime is everything when numerous people, machines, and budgets depend on your excavator. That's why the E300 LC, E330 LC, E360, E380 LC, and E400 LC are built tough to deliver excellent uptime, with heavy-duty booms and arms, a robust electrical system, optimized hydraulic routing, and other customer-inspired features.

### Solid footing

Sealed and lubricated undercarriage and heavy-duty welded X-frame provide a solid, stable platform. Sloped track frame resists material buildup to decrease cleaning time. Full-length track guides and double-grouser track shoes are optional, for rocky terrain.

### Efficient cooling

Heavy-duty cooling system keeps the engine and hydraulic system running efficiently, even in tough environments.

### For the long haul

Heavy-duty arm and boom are durably built, for long life even in severe applications.

### Durability in every detail

Steel ribs protect the arm when curling a loaded bucket, and steel collars guard grease points in tough environments. Extra side bumper on two sides of the upper frame on heavy-duty models protects the machine from damage on crowded jobsites.

### Reliable electrical and hydraulic systems

Solid-state electronics and uncomplicated system architecture mean fewer wires, mechanical relays, and electrical connectors are needed. Hydraulic hoses are O-ring-face sealed and routed where they're protected and easy to repair.



**TOUGH**  
BOOMS AND ARMS



## ***SERIOUS PRODUCTIVITY***

*FORCE TO BE RECKONED WITH.*

Big tasks demand serious equipment. Combining substantial power with smooth, low-effort control, John Deere E300 LC, E330 LC, E360, E380 LC, and E400 LC Excavators provide the exceptional performance and fast work cycles you need to get the job done. Four power modes and three work modes deliver the right power and response for the work at hand, for maximum productivity and strong digging force. Auto pressure-boost provides extra hydraulic power when needed, while additional auxiliary hydraulic capability and expanded bucket options offer the best tool for the task.



***AUTO PRESSURE-  
BOOST DELIVERS***

***MORE  
MUSCLE***



#### **Add to your bucket list**

For optimal bucket-fill performance and material retention, choose the right tool for the job. A wide selection of custom-profile buckets with different taper angles, capacities, and widths can be tailored to your particular application.

#### **Go with the flow**

Need more hydraulic flow to power a hammer or other attachment? Auxiliary hydraulic system smoothly optimizes flow control and multi-function capabilities. On the E300 LC, E330 LC, E360, E380 LC, and E400 LC, an Auxiliary Merge option provides increased hydraulic flow for operating larger hammers.

#### **Winning combination**

Highly dependable John Deere PowerTech Plus engine with variable-geometry turbocharger (VGT) delivers outstanding fuel efficiency, so you can move more material on less fuel. Full integration with Deere's Intelligent Hydraulic (JD-IHC) system combines impressive performance with smooth, low-effort control.

#### **Stay on schedule**

Generous flow, arm force, and swing torque help keep things moving. 90/180-degree function (not available on the E300 LC) speeds repetitive boom-and-swing motion for faster truck loading.

#### **Match the machine to the work**

Four power modes (Low, Economy, Standard, and High) equalize productivity and fuel economy to the workload. Three work modes — Lift, Dig, and Hammer/Bidirectional Auxiliary — let an operator choose the proper hydraulic response for specific applications and attachments.

#### **Dig in**

When the job requires extra effort, auto pressure-boost senses the workload and delivers the additional force you need.

# DAYLONG COMFORT

ALL THE RIGHT TOUCHES.

Boasting new eye-catching automotive-quality styling, the quiet, spacious operator station is designed with convenience in mind. New seven-inch touch-screen monitor provides quick access to machine features and functions. Ergonomically placed controls, automatic temperature control (ATC) system, and ample storage also help operators stay comfortable and productive all day.



## 7" TOUCH-SCREEN MONITOR

### At home in the cab

ATC system helps keep the glass clear and the cab comfortable.

### Work in style

New automotive-quality styling is as appealing as it is ergonomic, putting efficient productivity within easy reach. Foot pedals, travel levers, and joysticks have been optimally repositioned for simple, intuitive operation.

### Ample storage

Large storage area allows the operator to comfortably recline the seat and still have a place for a cooler or other personal items.

### Touch and go

Easy-to-read touch-screen monitor provides quick access to a wealth of machine data and functions. Simply tap the screen to activate keyless start, select work mode, change machine settings, access operating info, or check advanced onboard diagnostics. And go to work.

### Smooth control

Short-throw low-effort pilot levers are smooth and predictable, delivering precise, quick response when grading or leveling. Smooth multifunction operation helps improve productivity with minimal exertion while loading trucks.

### Seeing is believing

Two-piece front windshield provides clear visibility to the work at hand and can be opened to improve airflow.

### Settle in

Mechanical-suspension seat with wide, padded armrests is fully adjustable to accommodate a variety of operators. Air-suspension seat is optional.

### Sealed-switch module

Sealed touch pad keeps out dust, moisture, and debris. Eliminating traditional rocker switches means no unsealed connections and moving parts, for more durability.







*ENJOY  
THE RIDE.*

---

# HIT THE GROUND RUNNING

## SIMPLE SERVICE.

### Keep free from debris

Highly efficient hydraulic-driven fan runs only as needed, reducing noise and fuel consumption. Standard hydraulically controlled reversing fan can be set to designated intervals or activated manually as needed to back-blow cooler cores for cleaning.\*

\*Electronically controlled variable-speed suction-type cooling fan is not reversible.

### Cost saver

Auto-idle automatically reduces engine speed when hydraulics aren't in use, saving precious fuel. Automatic turbo cool-down extends idle time before shutdown, conserving additional fuel while maximizing component life.

### Durable diesels

Reliable John Deere PowerTech Plus diesel engines feature replaceable wet-sleeve cylinder liners that resist wear and dissipate heat more evenly, for longer life.

### Clean and clear

Isolated side-by-side cooler cores maximize cooling efficiency and enable easy cleaning. Optional trash screen that blocks dust, leaves, and other debris from entering the system is also simple to maintain. Air-conditioner condenser swings out for wide-open access to coolers.

### JDLINK machine monitoring

JDLINK telematics provides real-time utilization data and alerts to help you maximize productivity and efficiency while minimizing downtime. Remote diagnostics enable your dealer to monitor your machine's health and react quickly to alerts, often before you even know there is a problem.

### Maintenance made easy

Grouped service points make it easy to swiftly perform daily checks and lubrication. Periodic maintenance is convenient, with ground-level access to quick-change remote-mounted filters. Extended 500- and 4,000-hour engine and hydraulic oil-service intervals decrease downtime for routine maintenance.





DEERE

E360





# E300 LC SPECIFICATIONS

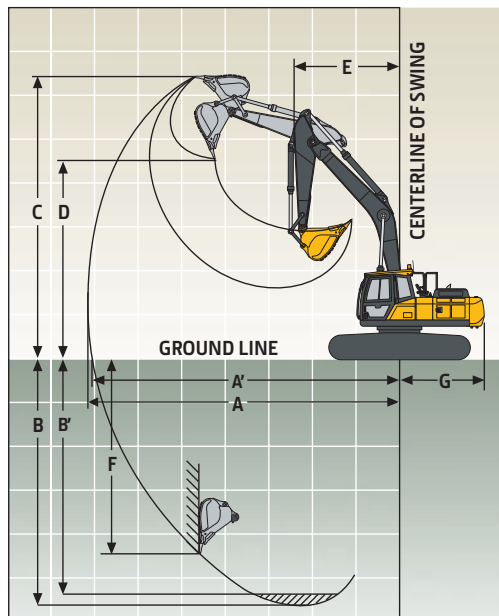
<b>Engine</b>		<b>E300 LC</b>	
Manufacturer and Model	John Deere PowerTech Plus 6068	John Deere PowerTech 6068	
Non-Road Emission Standard	China Stage 3 / EPA Tier 3/EU Stage IIIA	R96 Stage II	
Gross Rated Power (SAE J1995 and ISO 3046)	160 kW at 2,000 rpm	160 kW at 2,000 rpm	
Maximum Gross Torque (SAE J1995 and ISO 3046)	1033 Nm at 1,400 rpm	1033 Nm at 1,400 rpm	
Cylinders	6	6	
Piston Displacement	6.8 L	6.8 L	
<b>Cooling</b>		Cool-on-demand electronically controlled variable-speed suction-type cooling fan as standard	
<b>Hydraulics</b>			
Designed for high digging capacity, productivity, and operating precision, and excellent fuel economy; summation system, boom and swing priority, and boom and arm regeneration provide optimum performance			
<b>Main Pump</b>	Tandem variable-displacement, electrohydraulic (EH)-controlled axial-piston pumps		
Maximum Discharge Flow	2 x 260 L/m (2 x 130 cc/rev at 100% efficiency)		
<b>Pilot Pump</b>	Gear pump		
Maximum Discharge Flow	1 x 20 L/m (1 x 10 cc/rev at 100% efficiency)		
<b>Low-Flow Auxiliary Pump</b>	Gear pump		
Maximum Discharge Flow	1 x 44 L/m (1 x 22 cc/rev at 100% efficiency)		
<b>System Operating Pressure</b>			
Circuits			
Implement	34.3 MPa		
Travel	36.4 MPa		
Swing	29.3 MPa		
Pilot	3.9 MPa		
Auxiliary	Preset to 21.0 MPa 1-way mode / 34.3 MPa 2-way mode		
Low-Flow Auxiliary	Preset to 25.0 MPa		
Pressure Boost	36.4 MPa		
<b>Travel System</b>			
Travel Motor	2 speed axial-piston motor with spring-applied hydraulic-release brake		
Maximum Drawbar Pull	273 kN		
Travel Speeds			
High	5.4 km/h		
Low	3.1 km/h		
<b>Cylinders</b>			
	<i>Bore Diameter</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Boom (2)	140 mm	100 mm	1484 mm
Arm (1)	150 mm	110 mm	1785 mm
Bucket (1)	135 mm	100 mm	1270 mm
<b>Swing System</b>			
Swing Motor	Axial-piston motor with spring-applied, hydraulic-release brake		
Swing Speed	9.5 rpm		
Swing Torque	92 kNm		
<b>Undercarriage</b>			
Includes lubricated rollers, idlers, and track adjusters (with shock-absorbing spring), and greased and sealed track chain with triple-grouser shoes			
Center Frame	X-leg type		
Track Frame	Pentagonal box type		
Shoes (each side)	48		
Rollers (each side)			
Carrier	2		
Track	9		
Track Guides (each side)	3		
Shoe Width, Triple Grousers			
Standard	600 mm		
Optional	800 mm		

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

# E300 LC SPECIFICATIONS



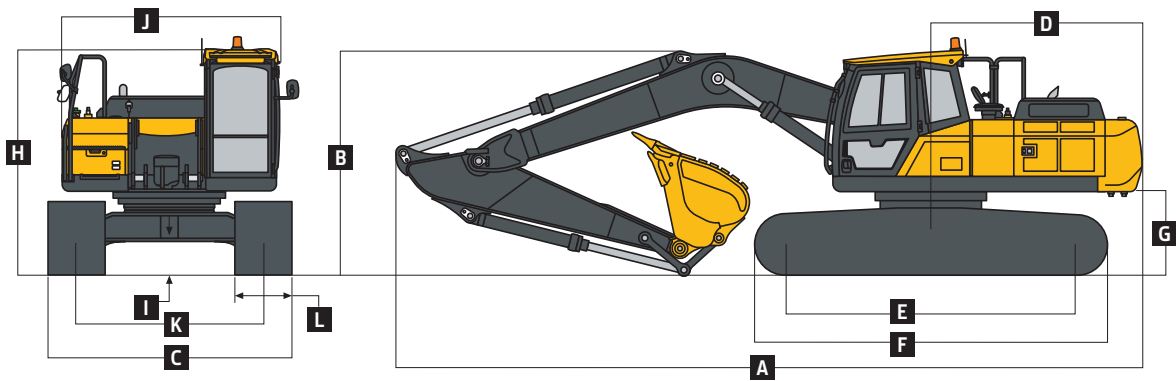
<b>Weights and Ground Pressure</b>	<b>300 LC</b>	
	<i>Heavy-Duty (HD) Machine with General-Purpose (GP) Bucket</i>	
	<i>With 6.2-m HD Boom and 3.1-m HD Arm</i>	
Bucket	1.6-m <sup>3</sup> General Purpose (GP)	
Triple-Grouser Shoe Width	600 mm	800 mm
Operating Weight	32 100 kg	33 100 kg
Ground Pressure	60.2 kPa	46.6 kPa
Counterweight	6000 kg	
<b>Electrical System</b>		
Number of Batteries (24-volt system)	2 – 12 volt	
Capacity		
Battery	950 CCA	
Reserve	165 min.	
Alternator Rating	80 amp	
<b>Serviceability</b>		
<b>Refill Capacities (standard fill)</b>		
Fuel Tank	600 L	
Engine Coolant	32 L	
Engine Oil	22 L	
Swing Mechanism	10.5 L	
Travel Final Drive (each side)	5.4 L	
Hydraulic System	395 L	
Hydraulic Tank	170 L	
<b>Operating Dimensions</b>		
	<i>With 6.2-m HD Boom and 3.1-m HD Arm</i>	
Tool Force		
Bucket (boost)	212 kN	
Arm (boost)	150 kN	
<b>A</b> Maximum Reach	10 830 mm	
<b>A'</b> Maximum Reach at Ground Level	10 630 mm	
<b>B</b> Maximum Digging Depth	7300 mm	
<b>B'</b> Maximum Digging Depth at 2.44-m Level Bottom	7110 mm	
<b>C</b> Maximum Cutting Height	10 100 mm	
<b>D</b> Maximum Loading Height	6790 mm	
<b>E</b> Minimum Slew Radius	4210 mm	
<b>F</b> Maximum Vertical Wall Digging Depth	4820 mm	
<b>G</b> Tail-Swing Radius	3100 mm	



While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

# E300 LC

Overall Dimensions		E300 LC
<i>With 6.2-m HD Boom and 3.1-m HD Arm</i>		
A	Overall Length	10 530 mm
B	Overall Height (to top of boom)	3370 mm
C	Overall Width (over tracks)	3200 mm
D	Tail Length	2980 mm
D <sup>1</sup>	Tail-Swing Radius	3100 mm
E	Tumbler Distance	4030 mm
F	Overall Length of Crawler	4950 mm
G	Counterweight Clearance	1170 mm
H	Overall Height (to top of cab)	3180 mm
I	Ground Clearance	480 mm
J	Overall Width of Upperstructure	2990 mm
K	Track Gauge	2600 mm
L	Shoe Width	600 mm



## E300 LC Heavy-Duty (HD) Machine Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.2-m HD boom, 3.1-m HD arm, no bucket, 600-mm triple-grouser shoes, long carriage, and 6000-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximun Reach		Value (m)	
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Over Front	Over Side		
7.5 m														6150	<b>5790</b>	7.20
6.0 m										8150	<b>5430</b>			5950	<b>4700</b>	8.15
4.5 m							9950	<b>7480</b>	<b>8270</b>	<b>5310</b>			6000	<b>4140</b>	8.73	
3.0 m					15 120	<b>10 650</b>	11 230	<b>7080</b>	<b>8090</b>	5120	6110	<b>3870</b>	6080	<b>3850</b>	9.03	
1.5 m					17 050	<b>10 040</b>	11 110	<b>6750</b>	<b>7930</b>	4650	6060	<b>3170</b>	6000	<b>3770</b>	9.06	
Ground Line					17 450	<b>9910</b>	10 980	<b>6580</b>	<b>7850</b>	4850			6210	<b>3890</b>	8.84	
-1.5 m			12 390	12 390	16 640	<b>10 100</b>	11 070	6590	<b>7900</b>	4860			6820	<b>4250</b>	8.34	
-3.0 m	14 450	14 450	19 390	19 390	14 740	<b>10 510</b>	11 290	6790	<b>8130</b>	5040			8130	<b>5040</b>	7.50	
-4.5 m			14 270	14 270	11 290	<b>11 160</b>	8300	<b>7230</b>					7840	<b>6930</b>	6.20	

## E300 LC Heavy-Duty (HD) Machine Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.2-m HD boom, 3.1-m HD arm, no bucket, 800-mm triple-grouser shoes, long carriage, and 6000-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximun Reach		Value (m)	
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m					
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side		
7.5 m														6150	<b>5960</b>	7.20
6.0 m									8150	<b>5600</b>				5950	<b>4850</b>	8.15
4.5 m							9950	<b>7700</b>	<b>8540</b>	<b>5480</b>				6000	<b>4280</b>	8.73
3.0 m					15 120	<b>10 990</b>	11 230	<b>7310</b>	<b>8370</b>	<b>5290</b>	<b>6320</b>	<b>4010</b>		6250	<b>3990</b>	9.03
1.5 m					17 050	<b>10 380</b>	<b>11 500</b>	<b>6980</b>	<b>8210</b>	<b>5120</b>	<b>6280</b>	<b>3950</b>		6220	<b>3910</b>	9.06
Ground Line					17 450	<b>10 260</b>	<b>11 370</b>	<b>6810</b>	<b>8130</b>	<b>5020</b>				<b>6440</b>	<b>4030</b>	8.84
-1.5 m			12 390	12 390	16 640	<b>10 450</b>	<b>11 460</b>	<b>6830</b>	<b>8180</b>	<b>5040</b>				<b>7060</b>	<b>4400</b>	8.34
-3.0 m	14 450	14 450	19 390	19 390	14 740	<b>10 860</b>	11 290	<b>7030</b>	8400	<b>5220</b>				8400	<b>5220</b>	7.50
-4.5 m			14 270	14 270	11 290	11 290	8300	<b>7470</b>						7840	<b>7160</b>	6.20

## E300 LC Bucket Selection Guide

Counterweight	6.0 mt
Boom	6.2-m HD
Arm	3.1-m HD

	Width*	Capacity	Weight**	
<b>Pin-On (no quick-coupler)</b>				
General Purpose (GP)	1550 mm	1.6 m <sup>3</sup>	1380 kg	B
	1350 mm	1.45 m <sup>3</sup>	1481 kg	A
Heavy Duty (HD)	1450 mm	1.6 m <sup>3</sup>	1535 kg	B

\*Cutting-edge width.

\*\*Includes standard teeth, side accessories, and pins.

Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume-loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

### Maximum Material Density

A = 2100 kg/m<sup>3</sup>

B = 1800 kg/m<sup>3</sup>

C = 1700 kg/m<sup>3</sup>

D = 1500 kg/m<sup>3</sup>

E = 1200 kg/m<sup>3</sup>

X = Not recommended

### General-Purpose Buckets (GP):

General-Purpose buckets are provided as standard equipment and engineered to meet or exceed customer expectations in light-duty applications. These buckets are designed to dig and excavate soft to medium materials such as earth loam, sand, and fine gravel.

### Heavy-Duty Buckets (HD):

Heavy-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in moderate-duty or mixed applications. These buckets are designed to dig and excavate in dry or wet clay, compacted soils, and well-blasted rock applications.



# E330 LC SPECIFICATIONS

<b>Engine</b>		<b>E330 LC</b>	
Manufacturer and Model	John Deere PowerTech Plus 6090	John Deere PowerTech 6090	
Non-Road Emission Standard	China Stage 3 / EPA Tier 3/EU Stage IIIA	R96 Stage II	
Gross Rated Power (SAE J1995 and ISO 3046)	224 kW at 1,800 rpm	224 kW at 1,800 rpm	
Gross Peak Power	224 kW at 1,800 rpm	224 kW at 1,800 rpm	
Maximum Gross Torque (SAE J1995 and ISO 3046)	1317 Nm at 1,400 rpm	1317 Nm at 1,400 rpm	
Cylinders	6	6	
Piston Displacement	9.0 L	9.0 L	
Off-Level Capacity	70% (35 deg.)	70% (35 deg.)	
<b>Cooling</b>		Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive and reversing fan standard	
<b>Hydraulics</b>		Designed for high digging capacity, productivity, and operating precision, and excellent fuel economy; summation system, boom and swing priority, and boom and arm regeneration provide optimum performance	
<b>Main Pump</b>	Tandem variable-displacement, electrohydraulic (EH)-controlled axial-piston pumps		
Maximum Discharge Flow	2 x 288 L/m (2 x 160 cc/rev at 100% efficiency)		
<b>Pilot Pump</b>	Gear pump		
Maximum Discharge Flow	1 x 27 L/m (1 x 15 cc/rev at 100% efficiency)		
<b>Low-Flow Auxiliary Pump</b>	Gear pump		
Maximum Discharge Flow	1 x 40 L/m (1 x 22 cc/rev at 100% efficiency)		
<b>System Operating Pressure</b>		Circuits	
Implement	34.3 MPa		
Travel	36.4 MPa		
Swing	28.9 MPa		
Pilot	3.9 MPa		
Auxiliary	Preset to 21.0 MPa hammer mode / 34.3 MPa 2-way mode		
Low-Flow Auxiliary	Preset to 25.0 MPa		
Pressure Boost	36.4 MPa		
<b>Controls</b>		Hydraulic pilot controls with hydraulic-enable lever	
<b>Fan System</b>		Variable-displacement, EH-controlled axial piston	
Pump Type	Variable-displacement, EH-controlled axial piston		
Maximum Discharge Flow	90 L/min		
System Operating Pressure	25.0 MPa		
Motor Type	Gear motor with integrated relief and reversing valves		
Maximum Operating Speed	1,700 rpm		
<b>Travel System</b>		Fully hydrostatic type	
Drive Method	Fully hydrostatic type		
Travel Motor	2 speed axial-piston motor with spring-applied hydraulic-release brake		
Reduction System	Planetary gear reduction		
Maximum Drawbar Pull	298 kN		
Travel Speeds	High		
	5.2 km/h		
	Low		
	3.1 km/h		
Parking Brake	Wet, multi disc		
<b>Cylinders</b>		<i>Bore Diameter</i>	<i>Rod Diameter</i>
Boom (2)	145 mm	105 mm	1484 mm
Arm (1)	170 mm	120 mm	1715 mm
Bucket (1)	145 mm	100 mm	1270 mm
<b>Swing System</b>		Axial-piston motor with spring-applied, hydraulic-release brake	
Swing Motor	Axial-piston motor with spring-applied, hydraulic-release brake		
Swing Reduction	Planetary gear reduction		
Swing Gear Lubrication	Grease bath		
Swing Brake	Wet, multi disc		
Swing Speed	9.5 rpm		
Swing Torque	111 kNm		

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.



# E330 LC SPECIFICATIONS



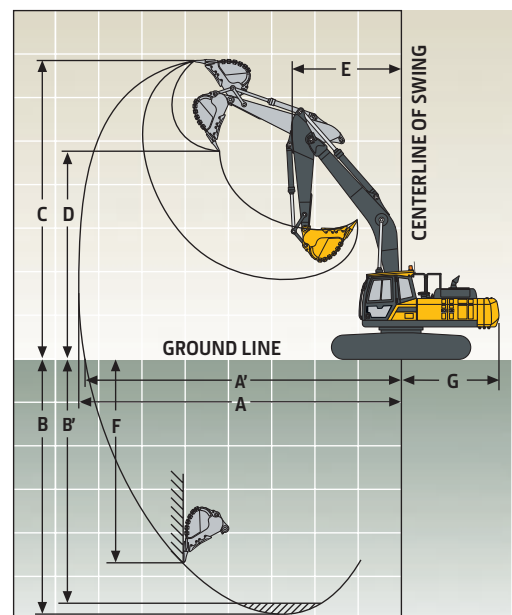
Undercarriage		E330 LC
Includes lubricated rollers, idlers, track adjusters (with shock-absorbing spring), and greased and sealed track chain with triple-grouser shoes		
Center Frame	X-leg type	
Track Frame	Pentagonal box type	
Shoes (each side)	48	
Rollers (each side)		
Carrier	2	
Track	9	
Track Guides (each side)	3	
Shoe Width, Triple Grousers		
Standard	600 mm	
Optional	800 mm	

	General-Duty (GD) Machine		Heavy-Duty (HD) Machine		Quarry Machine
	With 6.45-m Boom and 3.2-m Arm		With 6.45-m HD Boom and 3.2-m HD Arm		With 6.45-m HD Boom and 2.8-m HD Arm
Bucket	1.6-m <sup>3</sup> General Purpose (GP)		1.6-m <sup>3</sup> HD		1.6-m <sup>3</sup> severe duty (SD)
Triple-Grouser Shoe Width	600 mm	800 mm	600 mm	800 mm	600 mm
Operating Weight	34 600 kg	35 700 kg	35 500 kg	36 500 kg	35 400 kg
Ground Pressure	65.0 kPa	50.3 kPa	66.5 kPa	51.4 kPa	66.7 kPa
Standard Counterweight	6300 kg		6300 kg		6300 kg

Electrical System	
Number of Batteries (24-volt system)	2 – 12 volt
Battery Capacity	950 CCA
Reserve Capacity	165 min.
Alternator Rating	100 amp

Serviceability	
Refill Capacities (standard fill)	
Fuel Tank	600 L
Engine Coolant	33 L
Engine Oil	30 L
Swing Mechanism	14 L
Travel Final Drive (each side)	5.4 L
Hydraulic System	466 L
Hydraulic Tank	232 L

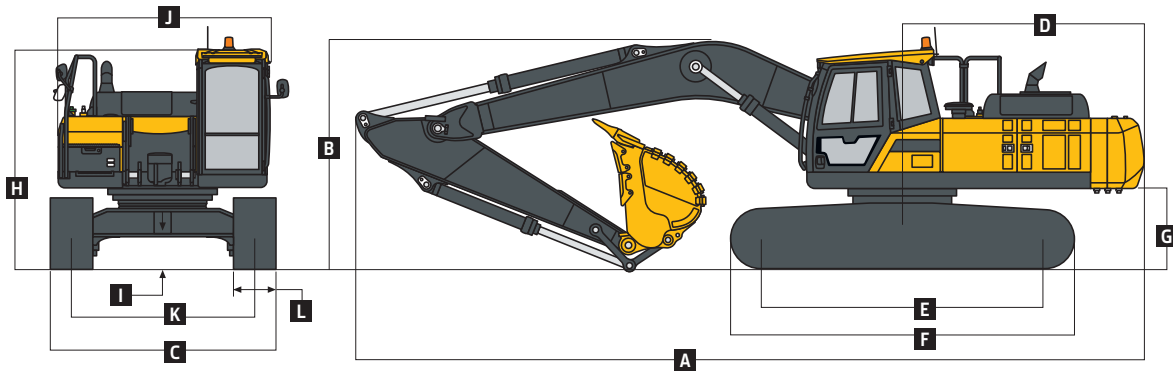
Operating Dimensions	With 6.45-m Boom and 3.2-m Arm	With 6.45-m Boom and 2.8-m Arm
	Tool Force	
Bucket	227 kN	227 kN
Arm	186 kN	203 kN
A Maximum Reach	11 250 mm	11 040 mm
A' Maximum Reach at Ground Level	10 990 mm	10 770 mm
B Maximum Digging Depth	7670 mm	7270 mm
B' Maximum Digging Depth at 2.44-m Level Bottom	7490 mm	7100 mm
C Maximum Cutting Height	10 480 mm	10 740 mm
D Maximum Loading Height	7120 mm	7250 mm
E Minimum Slew Radius	4370 mm	4480 mm
F Maximum Vertical Wall Digging Depth	6480 mm	6470 mm
G Tail-Swing Radius	3400 mm	3400 mm



While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

# E330 LC

Overall Dimensions	E330 LC	
	With 6.45-m Boom and 3.2-m Arm	With 6.45-m Boom and 2.8-m Arm
A Overall Length	11 130 mm	11 130 mm
B Overall Height (to top of boom)	3510 mm	3560 mm
C Overall Width (over tracks)	3200 mm	3200 mm
D Tail Length	3310 mm	3310 mm
D <sup>1</sup> Tail-Swing Radius	3400 mm	3400 mm
E Tumbler Distance	4030 mm	4030 mm
F Overall Length of Crawler	4950 mm	4950 mm
G Counterweight Clearance	1170 mm	1170 mm
H Overall Height (to top of cab)	3180 mm	3180 mm
I Ground Clearance	480 mm	480 mm
J Overall Width of Upperstructure	2990 mm	2990 mm
K Track Gauge	2600 mm	2600 mm
L Shoe Width	600 mm	600 mm



## E330 LC Heavy-Duty Machine Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.45-m HD boom, 3.2-m HD arm, no bucket, 600-mm triple-grouser shoes, long carriage, and 6300-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximum Reach		Value (m)	
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m					
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side		
7.5 m									8440	<b>6130</b>			8440	<b>5940</b>		7.63
6.0 m									8500	<b>6110</b>			<b>7530</b>	<b>4890</b>		8.52
4.5 m					13 190	<b>12 880</b>	10 460	<b>8350</b>	9000	<b>5930</b>	<b>6840</b>	<b>4390</b>	<b>6730</b>	<b>4320</b>		9.08
3.0 m					16 050	<b>11 730</b>	11 780	<b>7850</b>	<b>8950</b>	<b>5680</b>	<b>6750</b>	<b>4300</b>	<b>6340</b>	<b>4030</b>		9.36
1.5 m					17 890	<b>10 990</b>	<b>12 220</b>	<b>7430</b>	<b>8730</b>	<b>5450</b>	<b>6670</b>	<b>4200</b>	<b>6250</b>	<b>3940</b>		9.40
Ground Line					18 120	<b>10 860</b>	<b>12 040</b>	<b>7210</b>	<b>8610</b>	<b>5320</b>	<b>6640</b>	<b>4150</b>	<b>6450</b>	<b>4040</b>		9.18
-1.5 m			11 720	11 720	17 190	<b>11 070</b>	<b>12 120</b>	<b>7220</b>	<b>8640</b>	<b>5310</b>			<b>7020</b>	<b>4390</b>		8.70
-3.0 m	14 890	14 890	19 760	19 760	15 270	<b>11 520</b>	11 820	<b>7420</b>	<b>8860</b>	<b>5470</b>			<b>8240</b>	<b>5130</b>		7.91
-4.5 m			14 870	14 870	11 980	11 980	9190	<b>7860</b>					<b>7760</b>	<b>6810</b>		6.68

## E330 LC Heavy-Duty Machine Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.45-m HD boom, 2.8-m HD arm, no bucket, 600-mm triple-grouser shoes, long carriage, and 6300-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximun Reach		Value (m)		
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m						
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side			
7.5 m															9060	<b>6200</b>	7.36
6.0 m							9860	<b>8630</b>	8920	<b>6040</b>					<b>7820</b>	<b>5070</b>	8.29
4.5 m							10 930	<b>8220</b>	9120	<b>5870</b>					<b>6970</b>	<b>4470</b>	8.86
3.0 m							12 180	<b>7740</b>	<b>8900</b>	<b>5640</b>	<b>6740</b>	<b>4290</b>			<b>6570</b>	<b>4180</b>	9.15
1.5 m							<b>12 150</b>	<b>7370</b>	<b>8710</b>	<b>5440</b>					<b>6490</b>	<b>4100</b>	9.18
Ground Line					14 590	<b>10 910</b>	<b>12 050</b>	<b>7220</b>	<b>8630</b>	<b>5340</b>					<b>6730</b>	<b>4230</b>	8.97
-1.5 m					16 720	<b>11 200</b>	<b>12 190</b>	<b>7280</b>	<b>8710</b>	<b>5380</b>					<b>7380</b>	<b>4630</b>	8.47
-3.0 m			17 820	17 820	14 500	<b>11 700</b>	11 360	<b>7540</b>	8470	<b>5610</b>					8090	<b>5490</b>	7.65
-4.5 m			12 670	12 670	10 750	10 750	8050	8050							7080	<b>7080</b>	6.38

## E330 LC Bucket Selection Guide

Pin-On (no quick-coupler)	Width*	Capacity	Weight**	6.3 mt		
				6.45-m STD	6.45-m HD	6.45-m HD
Counterweight						
Boom				6.45-m STD	6.45-m HD	6.45-m HD
Arm				3.2-m STD	3.2-m HD	2.8-m HD
General Purpose (GP)	1470 mm	1.6 m <sup>3</sup>	1407 kg	A	A	A
	1750 mm	2.0 m <sup>3</sup>	1547 kg	C	D	C
	1390 mm	1.6 m <sup>3</sup>	1711 kg	B	B	B
Heavy Duty (HD)	1520 mm	1.8 m <sup>3</sup>	1945 kg	C	D	C
	1650 mm	2.0 m <sup>3</sup>	2031 kg	D	E	D
	1705 mm	2.2 m <sup>3</sup>	2349 kg	E	E	E
Severe Duty (SD)	1370 mm	1.6 m <sup>3</sup>	2016 kg	—	C	B
	1500 mm	1.8 m <sup>3</sup>	2168 kg	—	D	D
	1625 mm	2.0 m <sup>3</sup>	2315 kg	—	E	E

\*Cutting-edge width.

\*\*Includes standard teeth, side accessories, and pins.

Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume-loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

### Maximum Material Density

A = 2100 kg/m<sup>3</sup>

B = 1800 kg/m<sup>3</sup>

C = 1700 kg/m<sup>3</sup>

D = 1500 kg/m<sup>3</sup>

E = 1200 kg/m<sup>3</sup>

X = Not recommended

### General-Purpose Buckets (GP):

General-Purpose buckets are provided as standard equipment and engineered to meet or exceed customer expectations in light-duty applications. These buckets are designed to dig and excavate soft to medium materials such as earth loam, sand, and fine gravel.

### Heavy-Duty Buckets (HD):

Heavy-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in moderate-duty or mixed applications. These buckets are designed to dig and excavate in dry or wet clay, compacted soils, and well-blasted rock applications.

### Severe-Duty Buckets (SD):

Severe-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in severe applications. These buckets are designed to dig and excavate in shot rocks, prying and tearing, caliche, and highly compacted materials. They feature additional abrasion-resistance protection.



# E360 SPECIFICATIONS

Engine		E360	
Manufacturer and Model	John Deere PowerTech Plus 6090	John Deere PowerTech 6090	
Non-Road Emission Standard	China Stage 3 / EPA Tier 3/EU Stage IIIA	R96 Stage II	
Gross Rated Power (SAE J1995 and ISO 3046)	224 kW at 1,800 rpm	224 kW at 1,800 rpm	
Gross Peak Power	224 kW at 1,800 rpm	224 kW at 1,800 rpm	
Maximum Gross Torque (SAE J1995 and ISO 3046)	1317 Nm at 1,400 rpm	1317 Nm at 1,400 rpm	
Cylinders	6	6	
Piston Displacement	9.0 L	9.0 L	
Off-Level Capacity	70% (35 deg.)	70% (35 deg.)	
Cooling		Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive and reversing fan standard	
Hydraulics		Designed for high digging capacity, productivity, and operating precision, and excellent fuel economy; summation system, boom and swing priority, and boom and arm regeneration provide optimum performance	
Main Pump		Tandem variable-displacement, electrohydraulic (EH)-controlled axial-piston pumps	
Maximum Discharge Flow	2 x 288 L/m (2 x 160 cc/rev at 100% efficiency)		
Pilot Pump		Gear pump	
Maximum Discharge Flow	1 x 27 L/m (1 x 15 cc/rev at 100% efficiency)		
Low-Flow Auxiliary Pump		Gear pump	
Maximum Discharge Flow	1 x 40 L/m (1 x 22 cc/rev at 100% efficiency)		
System Operating Pressure			
Circuits			
Implement	34.3 MPa		
Travel	36.4 MPa		
Swing	28.9 MPa		
Pilot	3.9 MPa		
Auxiliary	Preset to 21.0 MPa hammer mode / 34.3 MPa 2-way mode		
Low-Flow Auxiliary	Preset to 25.0 MPa		
Pressure Boost	36.4 MPa		
Controls		Hydraulic pilot controls with hydraulic-enable lever	
Fan System			
Pump Type	Variable-displacement, EH-controlled axial piston		
Maximum Discharge Flow	90 L/min		
System Operating Pressure	25.0 MPa		
Motor Type	Gear motor with integrated relief and reversing valves		
Maximum Operating Speed	1,700 rpm		
Travel System			
Drive Method	Fully hydrostatic type		
Travel Motor	2 speed axial-piston motor with spring-applied hydraulic-release brake		
Reduction System	Planetary gear reduction		
Maximum Drawbar Pull	298 kN		
Travel Speeds			
High	5.2 km/h		
Low	3.1 km/h		
Parking Brake	Wet, multi disc		
Cylinders			
	<i>Bore Diameter</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Boom (2)	145 mm	105 mm	1484 mm
Arm (1)	170 mm	120 mm	1715 mm
Bucket (1)	145 mm	100 mm	1270 mm
Swing System			
Swing Motor	Axial-piston motor with spring-applied, hydraulic-release brake		
Swing Reduction	Planetary gear reduction		
Swing Gear Lubrication	Grease bath		
Swing Brake	Wet, multi disc		
Swing Speed	9.5 rpm		
Swing Torque	111 kNm		

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

# E360 SPECIFICATIONS



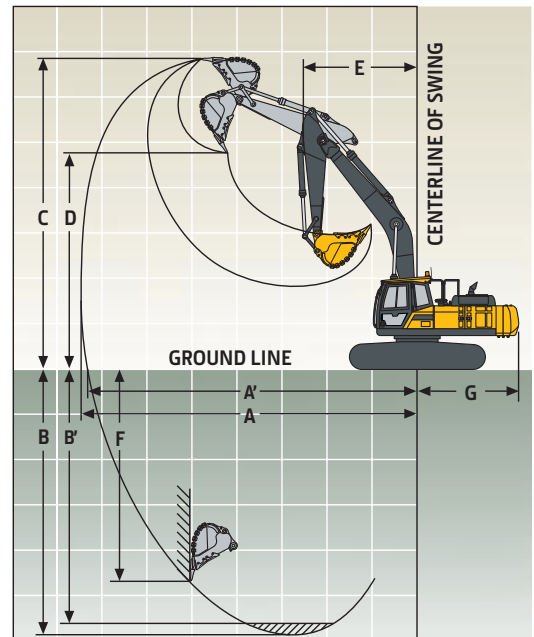
Undercarriage		E360
Includes lubricated rollers, idlers, track adjusters (with shock-absorbing spring), and greased and sealed track chain with triple-grouser shoes		
Center Frame	X-leg type	
Track Frame	Pentagonal box type	
Shoes (each side)	45	
Rollers (each side)		
Carrier	2	
Track	7	
Track Guides (each side)	3	
Shoe Width, Triple Grousers	600 mm	

Weights and Ground Pressure			
	General-Duty (GD) Machine	Heavy-Duty (HD) Machine	Quarry Machine
	With 6.45-m Boom and 3.2-m Arm	With 6.45-m HD Boom and 3.2-m HD Arm	With 6.45-m HD Boom and 2.8-m HD Arm
Bucket	2.0-m <sup>3</sup> General Purpose (GP)	1.8-m <sup>3</sup> HD	1.8-m <sup>3</sup> severe duty (SD)
Triple-Grouser Shoe Width	600 mm	600 mm	600 mm
Operating Weight	35 200 kg	36 000 kg	36 500 kg
Ground Pressure	71.4 kPa	73.0 kPa	74.0 kPa
Standard Counterweight	7540 kg	7540 kg	7540 kg

Electrical System	
Number of Batteries (24-volt system)	2 – 12 volt
Battery Capacity	950 CCA
Reserve Capacity	165 min.
Alternator Rating	100 amp

Serviceability	
Refill Capacities (standard fill)	
Fuel Tank	600 L
Engine Coolant	33 L
Engine Oil	30 L
Swing Mechanism	14 L
Travel Final Device (each side)	5.4 L
Hydraulic System	466 L
Hydraulic Tank	232 L

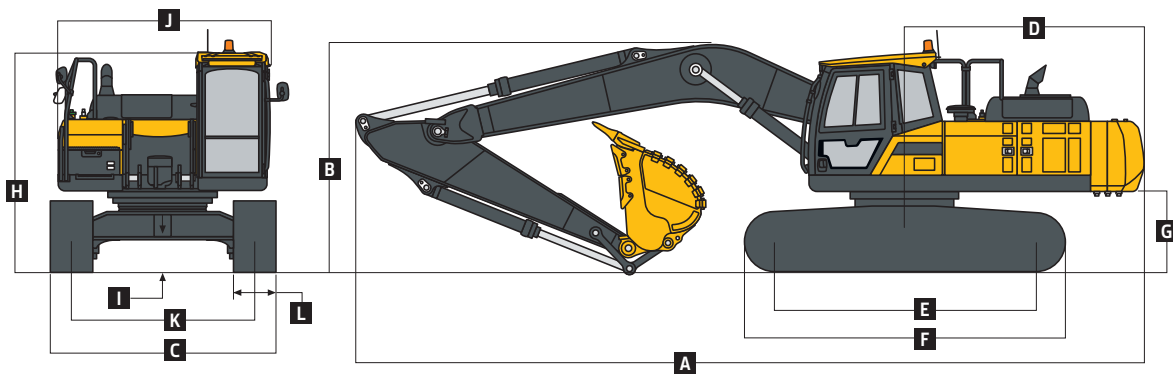
Operating Dimensions		
	With 6.45-m Boom and 3.2-m Arm	With 6.45-m Boom and 2.8-m Arm
<b>Tool Force</b>		
Bucket	227 kN	227 kN
Arm	186 kN	203 kN
<b>A</b> Maximum Reach	11 250 mm	11 040 mm
<b>A'</b> Maximum Reach at Ground Level	10 990 mm	10 770 mm
<b>B</b> Maximum Digging Depth	7670 mm	7270 mm
<b>B'</b> Maximum Digging Depth at 2.44-m Level Bottom	7490 mm	7100 mm
<b>C</b> Maximum Cutting Height	10 480 mm	10 740 mm
<b>D</b> Maximum Loading Height	7120 mm	7250 mm
<b>E</b> Minimum Slew Radius	4370 mm	4480 mm
<b>F</b> Maximum Vertical Wall Digging Depth	6480 mm	6470 mm
<b>G</b> Tail-Swing Radius	3400 mm	3400 mm



While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

# E360

Overall Dimensions		E360	
		With 6.45-m Boom and 3.2-m Arm	With 6.45-m Boom and 2.8-m Arm
A	Overall Length	11 230 mm	11 230 mm
B	Overall Height (to top of boom)	3510 mm	3560 mm
C	Overall Width (over tracks)	3200 mm	3200 mm
D	Tail Length	3310 mm	3310 mm
D <sup>1</sup>	Tail-Swing Radius	3400 mm	3400 mm
E	Tumbler Distance	3710 mm	3710 mm
F	Overall Length of Crawler	4620 mm	4620 mm
G	Counterweight Clearance	1150 mm	1150 mm
H	Overall Height (to top of cab)	3160 mm	3160 mm
I	Ground Clearance	510 mm	510 mm
J	Overall Width of Upperstructure	2990 mm	2990 mm
K	Track Gauge	2600 mm	2600 mm
L	Shoe Width	600 mm	600 mm



## E360 Heavy-Duty Machine Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.45-m HD boom, 3.2-m HD arm, no bucket, 600-mm triple-grouser shoes, standard carriage, and 7540-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximum Reach		Value (m)
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
7.5 m									8440	<b>6660</b>			8440	<b>6460</b>	7.63
6.0 m									8500	<b>6650</b>			<b>7280</b>	<b>5350</b>	8.52
4.5 m					13 190	13 190	10 460	<b>9060</b>	<b>8850</b>	<b>6470</b>	<b>6620</b>	<b>4830</b>	<b>6520</b>	<b>4750</b>	9.08
3.0 m					16 050	<b>12 780</b>	11 780	<b>8560</b>	<b>8610</b>	<b>6230</b>	<b>6530</b>	<b>4740</b>	<b>6140</b>	<b>4450</b>	9.36
1.5 m					17 890	<b>12 060</b>	<b>11 630</b>	<b>8150</b>	<b>8390</b>	<b>6010</b>	<b>6450</b>	<b>4640</b>	<b>6060</b>	<b>4360</b>	9.40
Ground Line					<b>18 120</b>	<b>11 950</b>	<b>11 450</b>	<b>7950</b>	<b>8280</b>	<b>5870</b>	<b>6410</b>	<b>4600</b>	<b>6240</b>	<b>4480</b>	9.18
-1.5 m			11 720	11 720	17 190	<b>12 180</b>	<b>11 510</b>	<b>7960</b>	<b>8300</b>	<b>5870</b>			<b>6780</b>	<b>4850</b>	8.70
-3.0 m	14 890	14 890	19 760	19 760	15 270	<b>12 650</b>	<b>11 800</b>	<b>8180</b>	<b>8510</b>	<b>6040</b>			<b>7930</b>	<b>5660</b>	7.91
-4.5 m			14 870	14 870	11 980	11 980	9190	<b>8630</b>					7760	<b>7470</b>	6.68

**E360 Heavy-Duty Machine Lift Capacities**

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.45-m HD boom, 2.8-m HD arm, no bucket, 600-mm triple-grouser shoes, standard carriage, and 7540-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximun Reach		Value (m)		
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m						
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side			
7.5 m															9060	<b>6740</b>	7.36
6.0 m							9860	<b>9330</b>	8920	<b>6570</b>					<b>7550</b>	<b>5540</b>	8.29
4.5 m							10 930	<b>8930</b>	<b>8780</b>	<b>6410</b>					<b>6740</b>	<b>4920</b>	8.86
3.0 m								<b>11 910</b>	<b>8460</b>	<b>8560</b>	<b>6190</b>	<b>6520</b>	<b>4730</b>		<b>6360</b>	<b>4610</b>	9.15
1.5 m								<b>11 560</b>	<b>8100</b>	<b>8380</b>	<b>6000</b>				<b>6280</b>	<b>4530</b>	9.18
Ground Line					14 590	<b>12 000</b>	<b>11 450</b>	<b>7960</b>	<b>8300</b>	<b>5900</b>					<b>6510</b>	<b>4680</b>	8.97
-1.5 m					16 720	<b>12 310</b>	<b>11 580</b>	<b>8030</b>	<b>8370</b>	<b>5940</b>					<b>7130</b>	<b>5120</b>	8.47
-3.0 m			17 820	17 820	14 500	<b>12 830</b>	11 360	<b>8290</b>	8470	<b>6180</b>					8090	<b>6040</b>	7.65
-4.5 m			12 670	12 670	10 750	10 750	8050	8050							7080	7080	6.38

**E360 Bucket Selection Guide**

Counterweight																	7.54 mt
Boom									6.45-m STD	6.45-m HD	6.45-m HD						
Arm									3.2-m STD	3.2-m HD	2.8-m HD						

	Width*	Capacity	Weight**			
<b>Pin-On (no quick-coupler)</b>						
General Purpose (GP)	1470 mm	1.6 m <sup>3</sup>	1407 kg	A	A	A
	1750 mm	2.0 m <sup>3</sup>	1547 kg	B	B	B
	1390 mm	1.6 m <sup>3</sup>	1711 kg	A	A	A
Heavy Duty (HD)	1520 mm	1.8 m <sup>3</sup>	1945 kg	B	B	B
	1650 mm	2.0 m <sup>3</sup>	2031 kg	C	D	C
	1705 mm	2.2 m <sup>3</sup>	2349 kg	E	E	E
	1370 mm	1.6 m <sup>3</sup>	2016 kg	—	A	A
Severe Duty (SD)	1500 mm	1.8 m <sup>3</sup>	2168 kg	—	B	B
	1625 mm	2.0 m <sup>3</sup>	2315 kg	—	D	D

\*Cutting-edge width.

\*\*Includes standard teeth, side accessories, and pins.

Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume-loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

**Maximum Material Density**

A = 2100 kg/m<sup>3</sup>

B = 1800 kg/m<sup>3</sup>

C = 1700 kg/m<sup>3</sup>

D = 1500 kg/m<sup>3</sup>

E = 1200 kg/m<sup>3</sup>

X = Not recommended

**General-Purpose Buckets (GP):**

General-Purpose buckets are provided as standard equipment and engineered to meet or exceed customer expectations in light-duty applications. These buckets are designed to dig and excavate soft to medium materials such as earth loam, sand, and fine gravel.

**Heavy-Duty Buckets (HD):**

Heavy-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in moderate-duty or mixed applications. These buckets are designed to dig and excavate in dry or wet clay, compacted soils, and well-blasted rock applications.

**Severe-Duty Buckets (SD):**

Severe-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in severe applications. These buckets are designed to dig and excavate in shot rocks, prying and tearing, caliche, and highly compacted materials. They feature additional abrasion-resistance protection.



# E380 LC SPECIFICATIONS

<b>Engine</b>		<b>E380 LC</b>	
Manufacturer and Model	John Deere PowerTech Plus 6090	John Deere PowerTech 6090	
Non-Road Emission Standard	China Stage 3 / EPA Tier 3/EU Stage IIIA	R96 Stage II	
Gross Rated Power (SAE J1995 and ISO 3046)	233 kW at 1,900 rpm	233 kW at 1,900 rpm	
Gross Peak Power	239 kW at 1,700 rpm	239 kW at 1,700 rpm	
Maximum Gross Torque (SAE J1995 and ISO 3046)	1444 Nm at 1,400 rpm	1400 Nm at 1,400 rpm	
Cylinders	6	6	
Piston Displacement	9.0 L	9.0 L	
Off-Level Capacity	70% (35 deg.)	70% (35 deg.)	
<b>Cooling</b>			
Type	Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive and reversing fan standard		
<b>Hydraulics</b>			
Designed for high digging capacity, productivity, and operating precision, and excellent fuel economy; summation system, boom and swing priority, and boom and arm regeneration provide optimum performance			
<b>Main Pump</b>		Tandem variable-displacement, electrohydraulic (EH)-controlled axial-piston pumps	
Maximum Discharge Flow	2 x 304 L/m (2 x 160 cc/rev at 100% efficiency)		
<b>Pilot Pump</b>		Gear pump	
Maximum Discharge Flow	1 x 28.5 L/m (1 x 15 cc/rev at 100% efficiency)		
<b>Low-Flow Auxiliary Pump</b>		Gear pump	
Maximum Discharge Flow	1 x 42 L/m (1 x 22 cc/rev at 100% efficiency)		
<b>System Operating Pressure</b>			
Circuits			
Implement	34.3 MPa		
Travel	36.4 MPa		
Swing	28.9 MPa		
Pilot	3.9 MPa		
Auxiliary	Preset to 21.0 MPa hammer mode / 34.3 MPa 2-way mode		
Low-Flow Auxiliary	Preset to 25.0 MPa		
Pressure Boost	36.4 MPa		
<b>Controls</b>		Hydraulic pilot controls with hydraulic-enable lever	
<b>Fan System</b>			
Pump Type	Variable-displacement, EH-controlled axial piston		
Maximum Discharge Flow	95 L/min		
System Operating Pressure	25.0 MPa		
Motor Type	Gear motor with integrated relief and reversing valves		
Maximum Operating Speed	1,750 rpm		
<b>Travel System</b>			
Drive Method	Fully hydrostatic type		
Travel Motor	2 speed axial-piston motor with spring-applied hydraulic-release brake		
Reduction System	Planetary gear reduction		
Maximum Drawbar Pull	336 kN		
Travel Speeds			
High	5.2 km/h		
Low	2.9 km/h		
Parking Brake	Wet, multi disc		
<b>Cylinders</b>			
	<i>Bore Diameter</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Boom (2)	150 mm	105 mm	1484 mm
Arm (1)	170 mm	120 mm	1715 mm
Bucket (1)	150 mm	100 mm	1270 mm
<b>Swing System</b>			
Swing Motor	Axial-piston motor with spring-applied, hydraulic-release brake		
Swing Reduction	Planetary gear reduction		
Swing Gear Lubrication	Grease bath		
Swing Brake	Wet, multi disc		
Swing Speed	9.4 rpm		
Swing Torque	118 kNm		

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.



# E380 LC SPECIFICATIONS



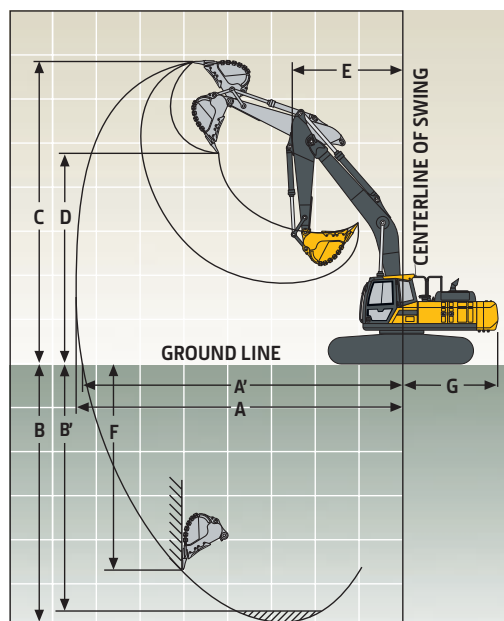
Undercarriage	E380 LC
Includes lubricated rollers, idlers, track adjusters (with shock-absorbing spring), and greased and sealed track chain with triple-grouser shoes	
Center Frame	X-leg type
Track Frame	Pentagonal box type
Shoes (each side)	50
Rollers (each side)	
Carrier	2
Track	9
Track Guides (each side)	3
Shoe Width, Triple Grousers	
Standard	600 mm
Option 1	600-mm double grouser
Option 2	800 mm

Weights and Ground Pressure	General-Duty (GD) Machine		Heavy-Duty (HD) Machine		Quarry Machine
	With 6.45-m Boom and 3.2-m Arm		With 6.45-m HD Boom and 3.2-m HD Arm		With 6.45-m HD Boom and 2.8-m HD Arm
Bucket	2.0-m <sup>3</sup> General Purpose (GP)		2.0-m <sup>3</sup> HD		2.0-m <sup>3</sup> severe duty (SD)
Triple-Grouser Shoe Width	600 mm	800 mm	600 mm	800 mm	600 mm
Operating Weight	38 200 kg	39 100 kg	39 200 kg	40 100 kg	39 500 kg
Ground Pressure	68.4 kPa	52.5 kPa	70.2 kPa	53.9 kPa	70.4 kPa
Standard Counterweight	7540 kg		7540 kg		7540 kg

Electrical System	
Number of Batteries (24-volt system)	2 – 12 volt
Battery Capacity	950 CCA
Reserve Capacity	165 min.
Alternator Rating	100 amp

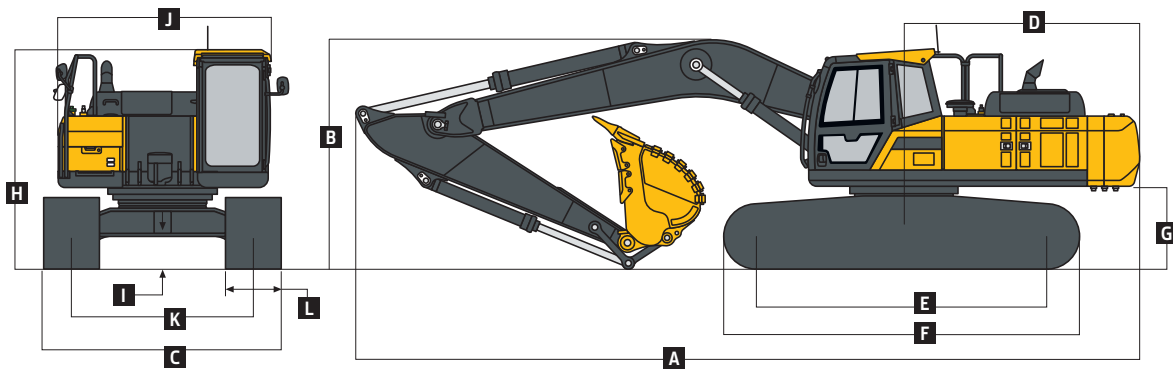
Serviceability	
Refill Capacities (standard fill)	
Fuel Tank	600 L
Engine Coolant	33 L
Engine Oil	30 L
Swing Mechanism	14 L
Travel Final Drive (each side)	6.3 L
Hydraulic System	466 L
Hydraulic Tank	232 L

Operating Dimensions	With 6.45-m Boom and 3.2-m Arm	With 6.45-m Boom and 2.8-m Arm
	Tool Force	
Bucket	243 kN	243 kN
Arm	186 kN	203 kN
<b>A</b> Maximum Reach	11 250 mm	11 040 mm
<b>A'</b> Maximum Reach at Ground Level	10 990 mm	10 770 mm
<b>B</b> Maximum Digging Depth	7660 mm	7260 mm
<b>B'</b> Maximum Digging Depth at 2.44-m Level Bottom	7480 mm	7090 mm
<b>C</b> Maximum Cutting Height	10 490 mm	10 740 mm
<b>D</b> Maximum Loading Height	7130 mm	7250 mm
<b>E</b> Minimum Slew Radius	4370 mm	4480 mm
<b>F</b> Maximum Vertical Wall Digging Depth	6480 mm	6470 mm
<b>G</b> Tail-Swing Radius	3500 mm	3500 mm



# E380 LC

Overall Dimensions	E380 LC	
	With 6.45-m Boom and 3.2-m Arm	With 6.45-m Boom and 2.8-m Arm
A Overall Length	11 250 mm	11 250 mm
B Overall Height (to top of boom)	3510 mm	3560 mm
C Overall Width (over tracks)	3200 mm	3200 mm
D Tail Length	3420 mm	3420 mm
D <sup>1</sup> Tail-Swing Radius	3500 mm	3500 mm
E Tumbler Distance	4230 mm	4230 mm
F Overall Length of Crawler	5180 mm	5180 mm
G Counterweight Clearance	1170 mm	1170 mm
H Overall Height (to top of cab)	3180 mm	3180 mm
I Ground Clearance	470 mm	470 mm
J Overall Width of Upperstructure	2990 mm	2990 mm
K Track Gauge	2600 mm	2600 mm
L Shoe Width	600 mm	600 mm



## E380 LC Heavy-Duty Machine Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.45-m HD boom, 3.2-m HD arm, no bucket, 600-mm triple-grouser shoes, long carriage, and 7540-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximun Reach		Value (m)
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
7.5 m									9170	<b>7170</b>			9170	<b>6950</b>	7.63
6.0 m									9240	<b>7160</b>			8930	<b>5780</b>	8.52
4.5 m					14 300	14 300	11 360	<b>9740</b>	9790	<b>6980</b>	<b>8520</b>	<b>5240</b>	<b>8390</b>	<b>5160</b>	9.08
3.0 m					17 450	<b>13 800</b>	12 820	<b>9250</b>	10 510	<b>6740</b>	<b>8450</b>	<b>5150</b>	<b>7950</b>	<b>4840</b>	9.36
1.5 m					18 710	<b>13 100</b>	14 000	<b>8850</b>	<b>10 950</b>	<b>6530</b>	<b>8370</b>	<b>5060</b>	<b>7860</b>	<b>4760</b>	9.40
Ground Line					19 180	<b>13 000</b>	14 510	<b>8650</b>	<b>10 850</b>	<b>6400</b>	<b>8360</b>	<b>5020</b>	<b>8130</b>	<b>4890</b>	9.18
-1.5 m			11 750	11 750	18 740	<b>13 260</b>	14 190	<b>8670</b>	<b>10 910</b>	<b>6400</b>			<b>8850</b>	<b>5300</b>	8.70
-3.0 m	14 920	14 920	20 620	20 620	16 670	<b>13 760</b>	12 900	<b>8900</b>	9910	<b>6580</b>			9070	<b>6170</b>	7.91
-4.5 m			16 310	16 310	13 110	13 110	10 060	<b>9360</b>					8520	<b>8110</b>	6.68

While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.

## E380 LC Heavy-Duty Machine Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.45-m HD boom, 2.8-m HD arm, no bucket, 600-mm triple-grouser shoes, long carriage, and 7540-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximun Reach		Value (m)
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Over Front	Over Side	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side			
7.5 m													9840	<b>7260</b>	7.36
6.0 m							10 690	<b>10 000</b>	9690	<b>7080</b>			9470	<b>5990</b>	8.29
4.5 m							11 870	<b>9610</b>	10 160	<b>6930</b>			<b>8680</b>	<b>5340</b>	8.86
3.0 m							13 250	<b>9150</b>	10 810	<b>6710</b>	<b>8440</b>	<b>5140</b>	<b>8220</b>	<b>5020</b>	9.15
1.5 m							14 280	<b>8800</b>	<b>10 930</b>	<b>6520</b>	<b>8390</b>	<b>5080</b>	<b>8150</b>	<b>4940</b>	9.18
Ground Line					14 620	<b>13 050</b>	14 580	<b>8660</b>	<b>10 870</b>	<b>6420</b>			<b>8460</b>	<b>5100</b>	8.97
-1.5 m					18 220	<b>13 390</b>	14 020	<b>8740</b>	<b>10 970</b>	<b>6470</b>			9190	<b>5570</b>	8.47
-3.0 m			19 490	19 490	15 830	<b>13 930</b>	12 400	<b>9010</b>	9250	<b>6720</b>			8850	<b>6570</b>	7.65
-4.5 m			13 940	13 940	11 770	11 770	8820	8820					7780	7780	6.38

## E380 LC Bucket Selection Guide

Pin-On (no quick-coupler)	Width*	Capacity	Weight**	7.54 mt		
				6.45-m STD	6.45-m HD	6.45-m HD
Counterweight						
Boom				3.2-m STD	3.2-m HD	2.8-m HD
Arm						
General Purpose (GP)	1470 mm	1.6 m <sup>3</sup>	1407 kg	A	A	A
	1750 mm	2.0 m <sup>3</sup>	1547 kg	A	B	A
	1390 mm	1.6 m <sup>3</sup>	1711 kg	A	A	A
Heavy Duty (HD)	1520 mm	1.8 m <sup>3</sup>	1945 kg	A	A	A
	1650 mm	2.0 m <sup>3</sup>	2031 kg	B	B	B
	1705 mm	2.2 m <sup>3</sup>	2349 kg	D	D	C
Severe Duty (SD)	1370 mm	1.6 m <sup>3</sup>	2016 kg	—	A	A
	1500 mm	1.8 m <sup>3</sup>	2168 kg	—	B	A
	1625 mm	2.0 m <sup>3</sup>	2315 kg	—	B	B

\*Cutting-edge width.

\*\*Includes standard teeth, side accessories, and pins.

Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume-loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

### Maximum Material Density

A = 2100 kg/m<sup>3</sup>

B = 1800 kg/m<sup>3</sup>

C = 1700 kg/m<sup>3</sup>

D = 1500 kg/m<sup>3</sup>

E = 1200 kg/m<sup>3</sup>

X = Not recommended

### General-Purpose Buckets (GP):

General-Purpose buckets are provided as standard equipment and engineered to meet or exceed customer expectations in light-duty applications. These buckets are designed to dig and excavate soft to medium materials such as earth loam, sand, and fine gravel.

### Heavy-Duty Buckets (HD):

Heavy-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in moderate-duty or mixed applications. These buckets are designed to dig and excavate in dry or wet clay, compacted soils, and well-blasted rock applications.

### Severe-Duty Buckets (SD):

Severe-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in severe applications. These buckets are designed to dig and excavate in shot rocks, prying and tearing, caliche, and highly compacted materials. They feature additional abrasion-resistance protection.



# E400 LC SPECIFICATIONS

<b>Engine</b>		<b>E400 LC</b>	
Manufacturer and Model	John Deere PowerTech Plus 6090	John Deere PowerTech 6090	
Non-Road Emission Standard	China Stage 3 / EPA Tier 3/EU Stage IIIA	R96 Stage II	
Gross Rated Power (SAE J1995 and ISO 3046)	233 kW at 1,900 rpm	233 kW at 1,900 rpm	
Gross Peak Power	239 kW at 1,700 rpm	239 kW at 1,700 rpm	
Maximum Gross Torque (SAE J1995 and ISO 3046)	1444 Nm at 1,400 rpm	1400 Nm at 1,400 rpm	
Cylinders	6	6	
Piston Displacement	9.0 L	9.0 L	
Off-Level Capacity	70% (35 deg.)	70% (35 deg.)	
<b>Cooling</b>		Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive and reversing fan standard	
<b>Hydraulics</b>		Designed for high digging capacity, productivity, and operating precision, and excellent fuel economy; summation system, boom and swing priority, and boom and arm regeneration provide optimum performance	
<b>Main Pump</b>	Tandem variable-displacement, electrohydraulic (EH)-controlled axial-piston pumps		
Maximum Discharge Flow	2 x 304 L/m (2 x 160 cc/rev at 100% efficiency)		
<b>Pilot Pump</b>	Gear pump		
Maximum Discharge Flow	1 x 28.5 L/m (1 x 15 cc/rev at 100% efficiency)		
<b>Low-Flow Auxiliary Pump</b>	Gear pump		
Maximum Discharge Flow	1 x 42 L/m (1 x 22 cc/rev at 100% efficiency)		
<b>System Operating Pressure</b>			
Circuits			
Implement	34.3 MPa		
Travel	36.4 MPa		
Swing	28.9 MPa		
Pilot	3.9 MPa		
Auxiliary	Preset to 21.0 MPa hammer mode / 34.3 MPa 2-way mode		
Low-Flow Auxiliary	Preset to 25.0 MPa		
Pressure Boost	36.4 MPa		
<b>Controls</b>	Hydraulic pilot controls with hydraulic-enable lever		
<b>Fan System</b>			
Pump Type	Variable-displacement, EH-controlled axial piston		
Maximum Discharge Flow	90 L/min		
System Operating Pressure	25.0 MPa		
Motor Type	Gear motor with integrated relief and reversing valves		
Maximum Operating Speed	1,750 rpm		
<b>Travel System</b>			
Drive Method	Fully hydrostatic type		
Travel Motor	2 speed axial-piston motor with spring-applied hydraulic-release brake		
Reduction System	Planetary gear reduction		
Maximum Drawbar Pull	336 kN		
Travel Speeds			
High	5.2 km/h		
Low	2.9 km/h		
Parking Brake	Wet, multi disc		
<b>Cylinders</b>			
	<i>Bore Diameter</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Boom (2)	150 mm	105 mm	1484 mm
Arm (1)	170 mm	120 mm	1715 mm
Bucket (1)	150 mm	100 mm	1270 mm
<b>Swing System</b>			
Swing Motor	Axial-piston motor with spring-applied, hydraulic-release brake		
Swing Reduction	Planetary gear reduction		
Swing Gear Lubrication	Grease bath		
Swing Brake	Wet, multi disc		
Swing Speed	9.4 rpm		
Swing Torque	118 kNm		

# E400 LC SPECIFICATIONS



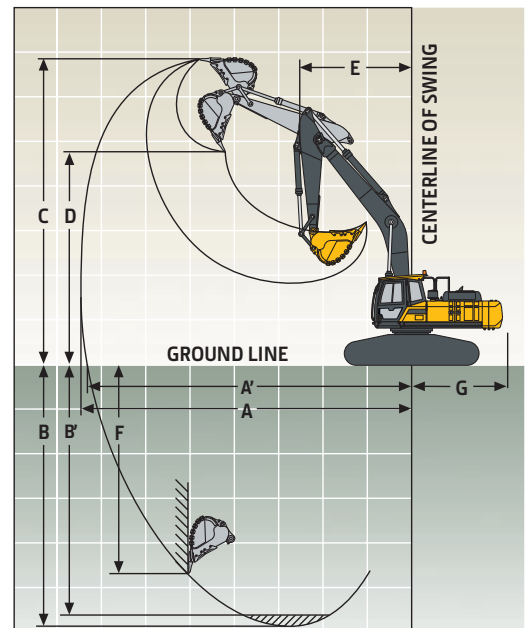
Undercarriage		E400 LC
Includes lubricated rollers, idlers, track adjusters (with shock-absorbing spring), and greased and sealed track chain with triple-grouser shoes		
Center Frame	X-leg type	
Track Frame	Pentagonal box type	
Shoes (each side)	50	
Rollers (each side)		
Carrier	2 (inverted track rollers)	
Track	9	
Track Guides (each side)	Full length	
Shoe Width		
Standard	600-mm double grouser	
Optional	600-mm triple grouser	

Weights and Ground Pressure			
	Heavy-Duty (HD) Machine With 6.45-m HD Boom and 3.2-m HD Arm		Quarry Machine With 6.45-m HD Boom and 2.8-m HD Arm
Bucket	2.2-m <sup>3</sup> HD		2.2-m <sup>3</sup> severe duty (SD)
Shoe Width	600-mm double grouser	600-mm triple grouser	600-mm double grouser
Operating Weight	40 900 kg	40 600 kg	41 000 kg
Ground Pressure	73.3 kPa	72.8 kPa	73.5 kPa
Standard Counterweight	7540 kg		7540 kg

Electrical System	
Number of Batteries (24-volt system)	2 – 12 volt
Battery Capacity	950 CCA
Reserve Capacity	165 min.
Alternator Rating	100 amp

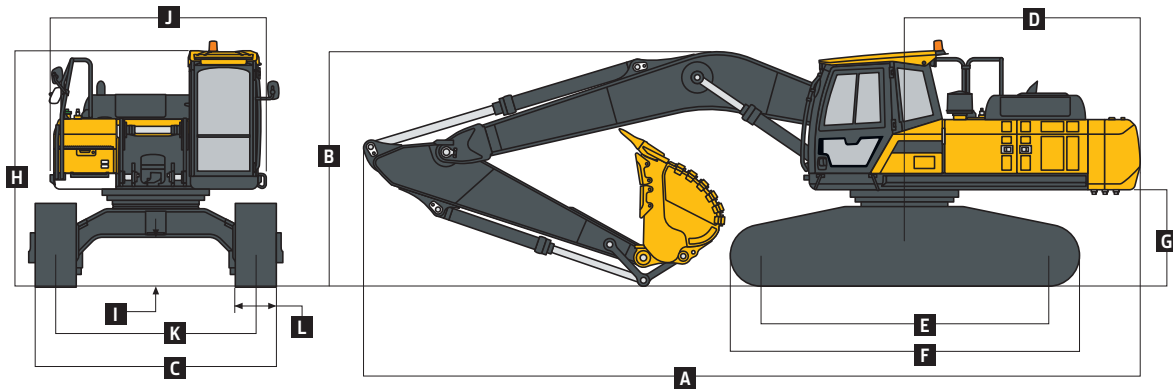
Serviceability	
Refill Capacities (standard fill)	
Fuel Tank	600 L
Engine Coolant	33 L
Engine Oil	30 L
Swing Mechanism	14 L
Travel Final Drive (each side)	6.3 L
Hydraulic System	466 L
Hydraulic Tank	232 L

Operating Dimensions			
	With 6.45-m Boom and 3.2-m Arm	With 6.45-m Boom and 2.8-m Arm	
<b>Tool Force</b>			
Bucket	243 kN	243 kN	
Arm	186 kN	203 kN	
<b>A</b> Maximum Reach	11 250 mm	11 040 mm	
<b>A'</b> Maximum Reach at Ground Level	10 920 mm	10 700 mm	
<b>B</b> Maximum Digging Depth	7400 mm	7000 mm	
<b>B'</b> Maximum Digging Depth at 2.44-m Level Bottom	7220 mm	6830 mm	
<b>C</b> Maximum Cutting Height	10 750 mm	11 010 mm	
<b>D</b> Maximum Loading Height	7391 mm	7520 mm	
<b>E</b> Minimum Slew Radius	4370 mm	4480 mm	
<b>F</b> Maximum Vertical Wall Digging Depth	6210 mm	6200 mm	
<b>G</b> Tail-Swing Radius	3500 mm	3500 mm	



# E400 LC

Overall Dimensions		E400 LC	
		With 6.45-m Boom and 3.2-m Arm	With 6.45-m Boom and 2.8-m Arm
A	Overall Length	11 250 mm	11 250 mm
B	Overall Height (to top of boom)	3600 mm	3720 mm
C	Overall Width (over tracks)	3520 mm	3520 mm
C'	Overall Width (over steps)	3710 mm	3710 mm
D	Tail Length	3420 mm	3420 mm
D'	Tail-Swing Radius	3500 mm	3500 mm
E	Tumbler Distance	4210 mm	4210 mm
F	Overall Length of Crawler	5210 mm	5210 mm
G	Counterweight Clearance	1550 mm	1550 mm
H	Overall Height (to top of cab)	3440 mm	3440 mm
I	Ground Clearance	770 mm	770 mm
J	Overall Width of Upperstructure	2990 mm	2990 mm
K	Track Gauge	2920 mm	2920 mm
L	Shoe Width	600 mm	600 mm



## E400 LC Heavy-Duty Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.45-m HD boom, 3.2-m HD arm, no bucket, 600-mm triple-grouser shoes, long carriage, and 7540-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximum Reach		Value (m)
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	
7.5 m									9130	<b>8280</b>			9110	<b>7720</b>	7.82
6.0 m									9310	<b>8240</b>			8910	<b>6550</b>	8.65
4.5 m					14 860	14 860	11 610	<b>11 220</b>	9910	<b>8060</b>	<b>8700</b>	<b>6090</b>	<b>8470</b>	<b>5920</b>	9.15
3.0 m					17 930	<b>16 180</b>	13 060	<b>10 730</b>	10 630	<b>7820</b>	<b>8620</b>	<b>6000</b>	<b>8090</b>	<b>5630</b>	9.39
1.5 m					18 040	<b>15 610</b>	14 150	<b>10 370</b>	<b>11 160</b>	<b>7620</b>	<b>8560</b>	<b>5910</b>	<b>8070</b>	<b>5590</b>	9.38
Ground Line					19 630	<b>15 640</b>	14 520	<b>10 230</b>	<b>11 090</b>	<b>7520</b>	<b>8560</b>	<b>5890</b>	<b>8410</b>	<b>5800</b>	9.12
-1.5 m			13 170	13 170	18 450	<b>16 020</b>	14 040	<b>10 310</b>	11 010	<b>7560</b>			9150	<b>6350</b>	8.59
-3.0 m			20 820	20 820	16 170	16 170	12 540	<b>10 600</b>	9520	<b>7790</b>			9020	<b>7510</b>	7.72
-4.5 m			15 090	15 090	12 250	12 250	9250	9250					8310	8310	6.40

## E400 LC Lift Capacities

**Boldface type** indicates stability-limited capacity; lightface type indicates hydraulically limited capacities, in kg. Lifting capacity at the arm end without bucket; machine equipped with 6.45-m HD boom, 2.8-m HD arm, no bucket, 600-mm double-grouser shoes, long carriage, and 7540-kg counterweight; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All capacities are based on ISO 10567.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION												Maximun Reach		Value (m)
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Over Front	Over Side	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side			
7.5 m									9740	<b>8190</b>			9750	<b>8070</b>	7.56
6.0 m							10 860	<b>10 860</b>	9750	<b>8200</b>			9430	<b>6800</b>	8.41
4.5 m							12 110	<b>11 130</b>	10270	<b>8030</b>			<b>8830</b>	<b>6150</b>	8.93
3.0 m							13 470	<b>10 670</b>	10 910	<b>7810</b>	<b>8680</b>	<b>6020</b>	<b>8440</b>	<b>5850</b>	9.18
1.5 m							14 390	<b>10 370</b>	<b>11 230</b>	<b>7640</b>	<b>8650</b>	<b>5970</b>	<b>8430</b>	<b>5820</b>	9.16
Ground Line					15 910	<b>15 780</b>	14 540	<b>10 290</b>	<b>11 200</b>	<b>7580</b>			<b>8830</b>	<b>6080</b>	8.90
-1.5 m			10 960	10 960	17 880	<b>16 230</b>	13 820	<b>10 430</b>	<b>10 810</b>	<b>7670</b>			9160	<b>6710</b>	8.35
-3.0 m			18 710	18 710	15 260	15 260	11 970	<b>10 770</b>					8740	<b>8040</b>	7.46
-4.5 m			12 610	12 610	10 770	10 770	7660	7660					7420	7420	6.08

## E400 LC Bucket Selection Guide

Pin-On (no quick-coupler)	Width*	Capacity	Weight**	7.54 mt	
				6.45-m HD	6.45-m HD
				3.2-m HD	2.8-m HD
Counterweight					
Boom					
Arm					
General Purpose (GP)	1470 mm	1.6 m <sup>3</sup>	1407 kg	A	A
	1750 mm	2.0 m <sup>3</sup>	1547 kg	A	A
	1390 mm	1.6 m <sup>3</sup>	1711 kg	A	A
Heavy Duty (HD)	1520 mm	1.8 m <sup>3</sup>	1945 kg	A	A
	1650 mm	2.0 m <sup>3</sup>	2031 kg	A	A
	1705 mm	2.2 m <sup>3</sup>	2349 kg	B	A
	1830 mm	2.4 m <sup>3</sup>	2423 kg	B	B
Severe Duty (SD)	1370 mm	1.6 m <sup>3</sup>	2016 kg	A	A
	1500 mm	1.8 m <sup>3</sup>	2168 kg	A	A
	1625 mm	2.0 m <sup>3</sup>	2315 kg	A	A
	1705 mm	2.2 m <sup>3</sup>	2464 kg	B	A

\*Cutting-edge width.

\*\*Includes standard teeth, side accessories, and pins.

Contact your John Deere dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume-loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

### Maximum Material Density

A = 2100 kg/m<sup>3</sup>

B = 1800 kg/m<sup>3</sup>

C = 1700 kg/m<sup>3</sup>

D = 1500 kg/m<sup>3</sup>

E = 1200 kg/m<sup>3</sup>

X = Not recommended

### General-Purpose Buckets (GP):

General-Purpose buckets are provided as standard equipment and engineered to meet or exceed customer expectations in light-duty applications. These buckets are designed to dig and excavate soft to medium materials such as earth loam, sand, and fine gravel.

### Heavy-Duty Buckets (HD):

Heavy-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in moderate-duty or mixed applications. These buckets are designed to dig and excavate in dry or wet clay, compacted soils, and well-blasted rock applications.

### Severe-Duty Buckets (SD):

Severe-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in severe applications. These buckets are designed to dig and excavate in shot rocks, prying and tearing, caliche, and highly compacted materials. They feature additional abrasion-resistance protection.

# Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

E300	E330	E360	E380	E400	Engine
●	●	●	●	●	Programmable auto-idle system
●	●	●	●	●	Automatic belt-tension device
●	●	●	●	●	Pressurized coolant reservoir
●	●	●	●	●	3-stage, dual-element, dry-type air filter with integral precleaner
▲	▲	▲	▲	▲	Additional air-intake precleaner
●	●	●	●	●	Electronic engine control
●	●	●	●	●	Enclosed cooling fan
●	●	●	●	●	Side-by-side arrangement of coolers
●	●	●	●	●	Swing-out air-conditioning condenser and fuel cooler
▲	▲	▲	▲	▲	Separate removable trash screen
●	●	●	●	●	Engine coolant to -40 deg. C
●	●	●	●	●	Turbo cool-down mode
●	●	●	●	●	Remote-mounted dual fuel filters with water separator and drain
●	●	●	●	●	Remote-mounted severe-duty fuel filter with water separator and drain
●	●	●	●	●	Fuel system shutoff for filters
●	●	●	●	●	Remote fuel-tank drain
▲	▲	▲	▲	▲	Fuel filter heater
▲	▲	▲	▲	▲	Onboard refueling pump (50 L/m) with auto shutoff and run-dry prevention
●	●	●	●	●	Remote-mounted full-flow engine oil filter
●	●	●	●	●	500-hour engine-oil-change interval
●	●	●	●	●	Turbocharger with charge-air cooler
●	●	●	●	●	Remote mounted cool-on-demand hydraulically driven, suction-type cooling fan with reversing blow-out
●	●	●	●	●	Cool-on-demand electronically controlled variable-speed suction-type cooling fan
●	●	●	●	●	70% (35 deg.) off-level capability
●	●	●	●	●	Glow-plug cold-start aid
●	●	●	●	●	Lockable fuel cap provision
●	●	●	●	●	Fuel overflow indicator in filler neck
●	●	●	●	●	Fuel tank cleanout access cover
●	●	●	●	●	Ultra-low-sulfur-compatible fuel system
Hydraulic System					
●	●	●	●	●	Electrohydraulic-controlled hydraulic pump
●	●	●	●	●	Thermostatic hydraulic warm-up control
●	●	●	●	●	Auto pressure-boost
●	●	●	●	●	Constant pressure boost in lift mode
●	●	●	●	●	4,000-hour hydraulic-oil-change interval
●	●	●	●	●	Hydraulic filter-restriction indicator
●	●	●	●	●	Reduced-drift valve for boom down
●	●	●	●	●	Reduced-drift valve for arm in
●	●	●	●	●	Auxiliary hydraulic valve section
▲	▲	▲	▲	▲	Auxiliary pilot and electric controls
▲	▲	▲	▲	▲	Auxiliary hydraulic-flow adjustments through monitor
▲	▲	▲	▲	▲	Hammer merge-flow capability
▲	▲	▲	▲	▲	Proportional low-flow auxiliary
●	●	●	●	●	Boom- and arm-flow regeneration
●	●	●	●	●	Swing anti-rebound valves
●	●	●	●	●	Spring-applied, hydraulically released automatic swing brake
Undercarriage					
●	●	●	●	●	Planetary drive with axial-piston motors
●	●	●	●	●	Propel motor shields
●	●	●	●	●	Spring-applied, hydraulically released automatic parking brake
●	●	●	●	●	Track guides, front idler and 3 additional
●	●	●	●	●	Track guides, front idler and 2 additional

E300	E330	E360	E380	E400	Undercarriage (continued)
▲	▲	▲	▲	●	Full-length rock guard
●	●	●	●	●	2-speed propel with automatic shift
●	●	●	●	●	Upper carrier rollers (2)
●	●	●	●	●	Heavy-duty (HD) upper carrier rollers (2)
●	●	●	●	●	Inverted HD carrier track rollers (2)
●	●	●	●	●	Track rollers (9)
●	●	●	●	●	Track rollers (7)
●	●	●	●	●	HD track rollers (9)
●	●	●	●	●	Sealed and lubricated track chain
●	●	●	●	●	HD sealed and lubricated track chain
▲	▲	▲	▲	▲	Triple-grouser shoes, 600 mm
▲	▲	▲	▲	▲	Triple-grouser shoes, 800 mm
●	●	●	●	●	HD triple-grouser shoes, 600 mm
●	●	●	●	●	HD triple-grouser shoes, 800 mm
▲	▲	▲	▲	▲	HD double-grouser shoes, 600 mm
▲	▲	▲	▲	▲	General-duty (GD) undercarriage frame guard
●	●	●	●	▲	HD undercarriage frame guard
Upper Structure					
●	●	●	●	●	Right- and left-hand mirrors
▲	▲	▲	▲	▲	Rearview camera
●	●	●	●	●	Integrated anti-skid plates on upper platform and steps
●	●	●	●	●	Vandal locks with common key: Cab door / Service doors / Toolbox
●	●	●	●	●	Air-intake debris screen in side doors
▲	▲	▲	▲	▲	Integrated side-impact beams
Operator's Station					
●	●	●	●	●	Auto climate control and pressurized cab
●	●	●	●	●	Built-in operator's manual storage
●	●	●	●	●	Easy-clean floor mat
●	●	●	●	●	Front upper laminated glass with easy stowage into roof space
●	●	●	●	●	Sliding openable upper door glass
●	●	●	●	●	Front (park-off-glass) windshield wiper with intermittent speeds and washer
▲	▲	▲	▲	▲	Lower windshield wiper with intermittent speeds and washer
●	●	●	●	●	Horn
●	●	●	●	●	Hydraulic shutoff lever, all controls
●	●	●	●	●	Interior light
●	●	●	●	●	Sealed-switch module (SSM) with keyless start
●	●	●	●	●	Machine Information Center (MIC)
●	●	●	●	●	Mode selector: Power modes (3 via throttle) + High Power mode in all speeds / Travel speeds (2 with auto shift) / Work modes (3)
●	●	●	●	●	Multifunction, 7-in. color touchscreen with: Advanced machine diagnostics with multi-language capability, theft-deterrent system, maintenance tracking, digital display, alarm indicator, alternator, low charge, auto-idle, auxiliary hydraulics, clock, engine air-cleaner restriction, engine coolant temperature, engine oil pressure, engine preheat, engine rpm, fault-code alert, fuel level, fuel-rate display, water in fuel, hourmeter, work-mode indicator, travel alarm (option), travel-mode indicator, hydraulic oil-filter restriction, hydraulic oil temperature, pressure boost, seat-belt warning, telematics, camera (option), and HVAC status
▲	▲	▲	▲	▲	Travel alarm with cancel switch
▲	▲	▲	▲	▲	Auxiliary hydraulic control switches in right and left control levers

E300	E330	E360	E380	E400	Operator's Station (continued)
▲	▲	▲	▲	▲	Rear camera toggle switch in left control lever
●	●	●	●	●	Tinted glass
▲	▲	▲	▲	▲	Transparent tinted overhead hatch
●	●	●	●	●	Steel overhead hatch
●	●	●	●	●	Rollover Protection Structure (ROPS)-certified cab (conforms to ISO 12117-2)
●	●	●	●	●	Safety bars on right-hand glass
▲	▲	▲	▲	▲	Falling Object Protection Structure (FOPS level-III)-certified guards, top and front
▲	▲	▲	▲	▲	Front lower window guard
▲	▲	▲	▲	▲	Front window sunshade
▲	▲	▲	▲	▲	Hatch sunshade
●	●	●	●	●	Coat hook
●	●	●	●	●	Fire extinguisher-mounting location
●	●	●	●	●	Automatic Temperature Control (ATC) system with manual override and adjustable louvers
▲	▲	▲	▲	▲	Single-hammer auxiliary pedal
●	●	●	●	●	Standard lighting package, including 2 on boom and 1 in toolbox
▲	▲	▲	▲	▲	Premium high-intensity LED lighting package including 4 additional cab-roof lights
●	●	●	●	●	AM/FM radio with USB input
▲	▲	▲	▲	▲	Premium radio with auxiliary/USB port and Bluetooth connectivity for audio streaming
▲	▲	▲	▲	▲	Rotating/strobe beacon
●	●	●	●	●	Storage compartment and multiple cupholders including oversized bottle holder
●	●	●	●	●	24-volt power port
▲	▲	▲	▲	▲	12-volt power port
▲	▲	▲	▲	▲	Rearview camera
●	●	●	●	●	Operator seat with cloth trim, 170-kg capacity mechanical suspension, and 50-mm orange retractable seat belt
▲	▲	▲	▲	▲	Premium air-suspension heated seat leather trim with lumbar adjustment, 200-kg capacity, and 75-mm orange retractable seat belt
▲	▲	▲	▲	▲	Front rain visor
Front Equipment					
●	●	●	●	●	Centralized lubrication for boom points
●	●	●	●	●	Dirt seals on all bucket pins
●	●	●	●	●	Hardened steel bushes with chrome pins
●	●	●	●	●	Reinforced resin thrust washers
●	●	●	●	●	HD boom, 6.2 m
▲	▲	▲	▲	▲	GD boom, 6.45 m
●	●	●	●	●	HD boom, 6.45 m
●	●	●	●	●	HD arm, 3.1 m
▲	▲	▲	▲	▲	GD arm, 3.2 m
▲	▲	▲	▲	▲	HD arm, 3.2 m
▲	▲	▲	▲	▲	HD arm, 2.8 m
▲	▲	▲	▲	▲	Less boom and arm
▲	▲	▲	▲	▲	Boom cylinder hose-burst valves
▲	▲	▲	▲	▲	Boom and arm cylinder hose-burst valves
Electrical					
●	●	●	●	●	Batteries (2 - 12 volt)
●	●	●	●	●	100-amp alternator
●	●	●	●	●	Blade-type multi-fused circuits
●	●	●	●	●	Positive- and negative-terminal battery covers
●	●	●	●	●	Environmental protection full battery cover
▲	▲	▲	▲	▲	JDLink wireless communication system
▲	▲	▲	▲	▲	JDInsight wireless communication system



While general information, pictures, and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions, and in some countries products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries.