# HYDRAULIC EXCAVATORS

JOHN DEERE

E210 / E210LC / E230LC / E240 / E240LC / E260LC


## PERFORMANCE AND PRECISION


# MAKE IT HAPPEN.


DEERE
RELIABLE
+
PRODUCTIVE


# MORE WAYS TO GET MORE DONE.

Whether you are excavating footings, setting stone, placing pipe, or loading trucks, John Deere E210, E210LC, E230LC, E240, E240LC, and E260LC Excavators deliver the exceptional performance and precise control you need — at a price you can appreciate. Intelligent Hydraulic (JD-IHC) system is fully integrated with the Deere PowerTech™ engine to provide fast, smooth response. Expanded bucket options help improve cycle times, while additional auxiliary hydraulic lines allow you to run a wide variety of attachments. And with a new cab interior featuring automotive-quality styling, a touch-screen monitor, and intuitive ergonomic controls, the E210, E210LC, E230LC, E240, E240LC, and E260LC help make your job easier. These mid-size excavators were redesigned to offer you more ways to improve productivity and efficiency.

# *DEPENDABLE QUALITY,*

## *TRUSTED AROUND THE WORLD.*

Our excavators are known worldwide for their outstanding quality and reliability — and the E210, E210LC, E230LC, E240, E240LC, and E260LC are no exception. Designed to meet demanding customer standards, they are built using state-of-the-art tools and techniques by a quality-conscious workforce in a John Deere manufacturing plant. These excavators deliver everything you've come to expect from John Deere. And more.

**Dependable undercarriage**

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.

**Keep your cool**

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

**Designed for durability**

Rigid side shields and sheet metal resist dents. Steel ribs help safeguard the arm when curling the bucket, and steel collars protect vulnerable grease points in tough environments.

**For the long haul**

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

**Reliable electrical and hydraulic systems**

Solid-state electronics and uncomplicated system architecture minimise the number of wires, mechanical relays, and electrical connectors needed. Streamlined routing for hydraulic hoses boosts reliability while easing repairs.

## TOUGH
### *BOOMS AND ARMS*


# CHOOSE TO DO MORE.

# *UNBEATABLE COMBINATION*

## *OF MUSCLE AND FINESSE.*

With their quick work cycles and solid stability, choose the E210, E210LC, E230LC, E240, E240LC, and E260LC for a wide variety of jobsites. Featuring our Intelligent Hydraulic (JD-IHC) system that is fully integrated with the John Deere PowerTech engine, they combine impressive performance with smooth, low-effort control. Auto pressure-boost provides more hydraulic power when needed, while additional auxiliary hydraulic capability and expanded bucket options increase versatility.

*AUTO PRESSURE-BOOST DELIVERS*

**MORE MUSCLE**

**Proven performers**

Field-proven John Deere PowerTech diesels provide exceptional power without compromising fuel economy. Integration with Deere's JD-IHC system delivers superb hydraulic tuning, for faster truck loading and fine-finish jobs such as grading and trenching.

**Move more dirt**

Choose the right tool for the job. A wide selection of buckets with different taper angles, capacities, and widths can be tailored to your application, for excellent bucket-fill performance and material retention.

**Fast cycle times**

Generous flow, arm force, and swing torque help speed cycles. So you can do your best to stay on schedule or ahead of the weather.

**Power and work modes**

Four power modes (Low, Economy, Standard, and High) easily adapt to changing job demands, so you can find the right balance of productivity and fuel economy to fit the way you work. Three work modes — Lift, Dig, and Hammer/Bidirectional Auxiliary — let an operator choose the proper hydraulic response for specific applications and attachments.

**More flow on the go**

Need more hydraulic flow for a hammer, grapple, or other attachment? Multiple auxiliary hydraulic lines enable compatibility with a variety of couplers and attachments.

**Break through**

When the digging gets tough, auto pressure-boost senses the workload and delivers the additional force you need.


# GET IN TOUCH

## *WITH YOUR PRODUCTIVE SIDE.*

We've loaded the cab with lots of operator-friendly features. Seven-inch touch-screen monitor provides quick access to machine features and functions. And boasting eye-catching new automotive-quality styling, the quiet, spacious cab offers generous legroom, expansive all-around visibility, and a host of other fatigue-fighting creature comforts.

*7" TOUCH-SCREEN*
**MONITOR**

**Stow your stuff**

Large area behind the seat provides onboard storage space. It also allows the seat to be reclined into a comfortable resting position.

**Take control**

Ergonomically correct short-throw pilot levers provide smooth, predictable fingertip control with less movement or effort.

**Cool customer**

Automatic temperature control (ATC) system helps keep the glass clear and the cab comfortable.

**Nice touch**

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

**Have a seat**

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

**Sealed-switch module**

Sealed touch pad keeps out dust, moisture, and debris, and allows for quick access to machine features and functions. Eliminating traditional rocker switches means no unsealed connections and moving parts, for more durability.

**User friendly**

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.


ROOM
WITH
A VIEW.

# READY WHEN YOU ARE

## *OPTIMISE UPTIME.*

**Easy to service**

Ground-level access and grouped service points make it fast and easy to perform most daily checks, greasing, and filter changes, so you can get to work quickly. Extended 500-hour engine oil and 4,000-hour hydraulic oil-service intervals minimise downtime for routine maintenance.

**Cooler core cleanout**

Highly efficient, electronically controlled variable-speed suction-type cooling fan runs only as fast as needed, lowering noise, fuel consumption, and operating costs.

**Fuel savers**

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

**Light things up**

Optional premium LED lights help bring jobsites into focus after dark or in low-light conditions. Electrical architecture is streamlined for optimal wear life.

**Durable diesels**

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

**JDLink™ machine monitoring**

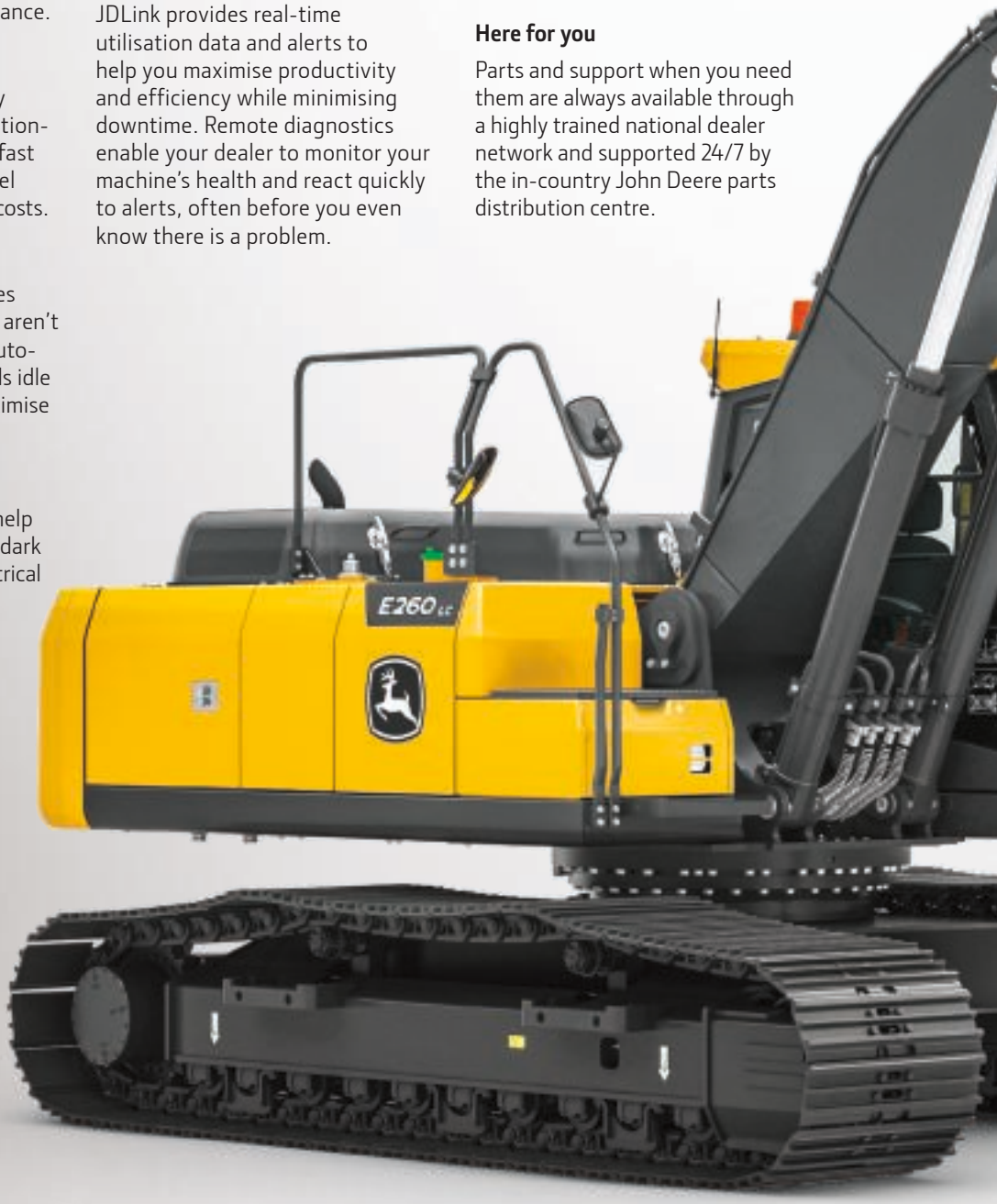
JDLink provides real-time utilisation data and alerts to help you maximise productivity and efficiency while minimising downtime. Remote diagnostics enable your dealer to monitor your machine's health and react quickly to alerts, often before you even know there is a problem.

**Keep it clean**

Isolated side-by-side coolers are easy to clean. 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.

**Here for you**

Parts and support when you need them are always available through a highly trained national dealer network and supported 24/7 by the in-country John Deere parts distribution centre.




DEERE

# E210 LC SPECIFICATIONS

| **Engine** | **E210 / E210LC** | |
|---|---|---|
| Manufacturer and Model | John Deere PowerTech Plus 4045 | John Deere PowerTech 4045 |
| Non-Road Emission Standard | China Stage 3 / EPA Tier 3/EU Stage IIIA | R96 Stage II |
| Gross Rated Power (SAE J1995 and ISO 3046) | 118 kW at 2,000 rpm | 118 kW at 2,000 rpm |
| Net Rated Power (ISO 9249) | 117 kW at 2,000 rpm | 112 kW at 2,000 rpm |
| Maximum Gross Torque (SAE J1995 and ISO 3046) | 645 Nm at 1,500 rpm | 642 Nm at 1,600 rpm |
| Cylinders | 4 | 4 |
| Piston Displacement | 4.5 L | 4.5 L |
| Off-Level Capacity | 70% (35 deg.) | 70% (35 deg.) |
| **Cooling** | | |
| Type | Electronically controlled, variable-speed, suction-type cooling fan | Fixed-drive, suction-type cooling fan |
| **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 224 L/m (2 x 112 cc/rev at 100% efficiency) | |
| **Pilot Pump** | Gear pump | |
| Maximum Discharge Flow | 1 x 20 L/m (1 x 10 cc/rev at 100% efficiency) | |
| **Low-Flow Auxiliary Pump** | Gear pump | |
| Maximum Discharge Flow | 1 x 44 L/m (1 x 22 cc/rev at 100% efficiency) | |
| **System Operating Pressure** | | |
| Circuits | | |
| Implement | 34.3 MPa | |
| Travel | 34.3 MPa | |
| Swing | 27.3 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 | |
| **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 | 216 kN | |
| Travel Speeds | | |
| High | 5.5 km/h | |
| Low | 3.2 km/h | |
| Parking Brake | Wet, multi disc | |

| **Cylinders** | | | |
|---|---|---|---|
| | *Bore Diameter* | *Rod Diameter* | *Stroke* |
| Boom (2) | 125 mm | 85 mm | 1221 mm |
| Arm (1) | 140 mm | 95 mm | 1475 mm |
| Bucket (1) | 120 mm | 80 mm | 1060 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 | 12.5 rpm | |
| Swing Torque | 61 kNm | |
| **Undercarriage** | **E210** | **E210LC** |
| 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 | X-leg type |
| Track Frame | Pentagonal box type | Pentagonal box type |
| Shoes (each side) | 45 | 49 |
| Rollers (each side) | | |
| Carrier | 2 | 2 |
| Track | 7 | 8 |
| Track Guides (each side) | 1 | 2 |

# E210 LC SPECIFICATIONS

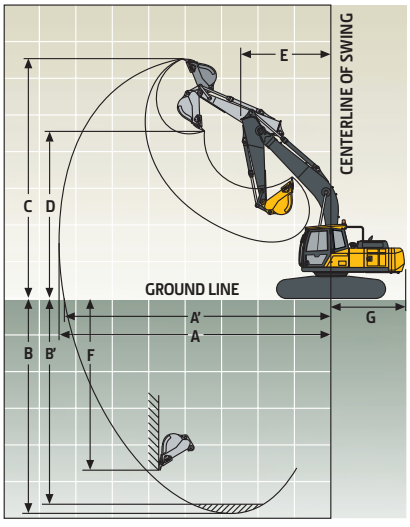
| **Undercarriage** *(continued)* | **E210** | **E210LC** |
|---|---|---|
| Shoe Width, Triple Grousers | | |
| Standard | 600 mm | 600 mm |
| Option 1 | 500 mm | 600-mm heavy duty (HD) |
| Option 2 | 600-mm HD | 800-mm HD |
| Option 3 | 800-mm HD | — |

| **Weights and Ground Pressure** | | | | | |
|---|---|---|---|---|---|
| | | | *General-Duty (GD) Machine* | | |
| | | | With 5.68-m Boom and 2.9-m Arm | | |
| Bucket | 1.0-m³ General Purpose (GP) | | | 1.2-m³ GP | |
| Triple-Grouser Shoe Width | 500 mm | 600 mm | 800-mm HD | 600 mm | 800-mm HD |
| Operating Weight | 21 100 kg | 21 300 kg | 22 000 kg | 22 000 kg | 22 800 kg |
| Ground Pressure | 58.3 kPa | 49.1 kPa | 38.0 kPa | 46.2 kPa | 35.6 kPa |
| Standard Counterweight | | 3600 kg | | 3600 kg | |
| | | | *Heavy-Duty (HD) Machine* | | |
| | | | With 5.68-m HD Boom and 2.9-m HD Arm | | |
| Bucket | | 1.0-m³ HD | | 1.1-m³ HD | |
| Triple-Grouser Shoe Width | 600-mm HD | | 800-mm HD | 600-mm HD | 800-mm HD |
| Operating Weight | 22 600 kg | | 23 100 kg | 23 300 kg | 23 900 kg |
| Ground Pressure | 52.1 kPa | | 39.9 kPa | 48.5 kPa | 37.3 kPa |
| Standard Counterweight | | 4200 kg | | 4200 kg | |
| | | | *Severe-Duty (SD) Machine* | | |
| | | | With 5.68-m HD Boom and 2.9-m HD Arm | | |
| Bucket | | 1.0-m³ SD | | 1.0-m³ SD | |
| Triple-Grouser Shoe Width | | 600-mm HD | | 600-mm HD | |
| Operating Weight | | 22 700 kg | | 23 300 kg | |
| Ground Pressure | | 52.3 kPa | | 48.5 kPa | |
| Standard Counterweight | | 4200 kg | | 4200 kg | |

| **Electrical System** | **E210 / E210LC** |
|---|---|
| Number of Batteries (24-volt system) | 2 – 12 volt |
| Battery Capacity | 950 CCA |
| Reserve Capacity | 165 min. |
| Alternator Rating | 80 amp |

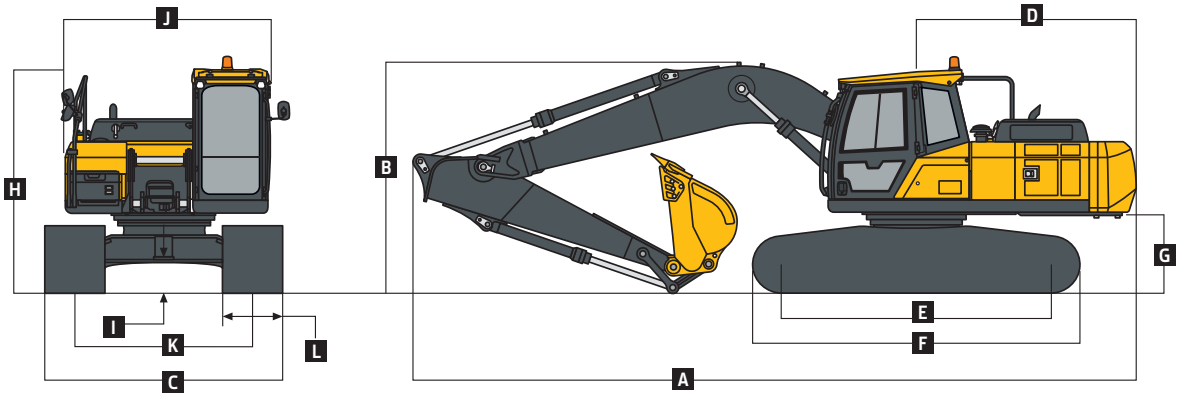
| **Serviceability** | |
|---|---|
| **Refill Capacities** (standard fill) | |
| Fuel Tank | 390 L |
| Engine Coolant | 26 L |
| Engine Oil | 14.7 L |
| Swing Mechanism | 4 L |
| Travel Final Device (each side) | 4.4 L |
| Hydraulic System | 260 L |
| Hydraulic Tank | 141 L |

| **Operating Dimensions** | *With 5.68-m Boom and 2.9-m Arm* |
|---|---|
| Tool Force | |
| Bucket | 150 kN |
| Arm | 111 kN |
| **A** Maximum Reach | 10 040 mm |
| **A'** Maximum Reach at Ground Level | 9820 mm |
| **B** Maximum Digging Depth | 6730 mm |
| **B'** Maximum Digging Depth at 2.44-m Level Bottom | 6560 mm |
| **C** Maximum Cutting Height | 9810 mm |
| **D** Maximum Loading Height | 6790 mm |
| **E** Minimum Slew Radius | 3660 mm |
| **F** Maximum Vertical Wall Digging Depth | 6090 mm |
| **G** Tail-Swing Radius | 3042 mm |



# E210 / E210LC

| Overall Dimensions | | E210 | E210LC |
|---|---|---|---|
| | | *With 5.68-m Boom and 2.9-m Arm* | *With 5.68-m Boom and 2.9-m Arm* |
| **A** | Overall Length | 9790 mm | 9790 mm |
| **B** | Overall Height | 3140 mm | 3140 mm |
| **B**[I] | Overall Height With Boom Plumbing | 3299 mm | 3299 mm |
| **C** | Overall Width (over tracks) | 2800 mm | 2980 mm |
| **D** | Tail Length | 2975 mm | 2975 mm |
| **D**[I] | Tail-Swing Radius | 3042 mm | 3042 mm |
| **E** | Tumbler Distance | 3265 mm | 3648 mm |
| **F** | Overall Length of Crawler | 4072 mm | 4454 mm |
| **G** | Counterweight Clearance | 1089 mm | 1089 mm |
| **H** | Overall Height (to top of cab) | 3024 mm | 3024 mm |
| **I** | Ground Clearance | 469 mm | 445 mm |
| **J** | Overall Width of Upperstructure | 2710 mm | 2710 mm |
| **K** | Track Gauge | 2200 mm | 2380 mm |
| **L** | Shoe Width | 600 mm | 600 mm |




## E210 General-Duty (GD) 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 5.68-m boom; 2.9-m arm; no bucket; and 600-mm triple-grouser shoes; standard carriage; and 3600-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | 5140 | **4300** | | | 5040 | **3970** | 6.27 |
| 6.0 m | | | | | | | 5050 | **4350** | | | **4280** | **3050** | 7.39 |
| 4.5 m | | | | | | | 5610 | **4230** | **4180** | **2970** | **3700** | **2610** | 8.07 |
| 3.0 m | | | | | 8320 | **6060** | **5760** | **4020** | **4100** | **2890** | **3420** | **2390** | 8.43 |
| 1.5 m | | | | | **8550** | **5650** | **5560** | **3820** | **4020** | **2790** | **3340** | **2320** | 8.50 |
| Ground Line | | | | | **8420** | **5490** | **5450** | **3700** | **3970** | **2740** | **3440** | **2380** | 8.31 |
| –1.5 m | 6300 | 6300 | 10 420 | 10 420 | **8540** | **5540** | **5460** | **3690** | **3990** | **2750** | **3780** | **2610** | 7.82 |
| –3.0 m | 11 440 | 11 440 | 15 290 | **11 340** | **8830** | **5740** | **5610** | **3800** | | | **4560** | **3140** | 6.97 |
| –4.5 m | | | 12 350 | **12 230** | 8790 | **6120** | | | | | **6610** | **4500** | 5.60 |

## E210 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 5.68-m HD boom; 2.9-m HD arm; no bucket; and 600-mm HD triple-grouser shoes; standard carriage; and 4200-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | 5050 | **4610** | | | 5030 | **4260** | 6.28 |
| 6.0 m | | | | | | | 4960 | **4660** | | | **4570** | **3270** | 7.39 |
| 4.5 m | | | | | | | 5510 | **4530** | **4460** | **3170** | **3940** | **2790** | 8.07 |
| 3.0 m | | | | | 8170 | **6480** | **6140** | **4300** | **4370** | **3080** | **3640** | **2560** | 8.43 |
| 1.5 m | | | | | **9100** | **6030** | **5920** | **4080** | **4280** | **2980** | **3550** | **2480** | 8.50 |
| Ground Line | | | | | **8950** | **5850** | **5800** | **3950** | **4220** | **2920** | **3660** | **2540** | 8.31 |
| –1.5 m | 6290 | 6290 | 10 410 | 10 410 | **9070** | **5900** | **5810** | **3930** | **4250** | **2930** | **4030** | **2790** | 7.82 |
| –3.0 m | 11 430 | 11 430 | 14 960 | **12 090** | **9400** | **6120** | **5960** | **4050** | | | **4860** | **3360** | 6.97 |
| –4.5 m | | | 12 060 | 12 060 | 8580 | **6540** | | | | | 6470 | **4810** | 5.60 |

## E210LC General-Duty (GD) 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 5.68-m boom; 2.9-m arm; no bucket; and 600-mm triple-grouser shoes; long carriage; and 3600-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | 5140 | **4770** | | | 5040 | **4410** | 6.27 |
| 6.0 m | | | | | | | 5050 | **4820** | | | 4670 | **3400** | 7.39 |
| 4.5 m | | | | | | | 5610 | **4700** | **4980** | **3310** | **4410** | **2930** | 8.07 |
| 3.0 m | | | | | 8320 | **6810** | 6510 | **4500** | **4910** | **3240** | **4090** | **2690** | 8.43 |
| 1.5 m | | | | | 10 180 | **6400** | **6730** | **4300** | **4830** | **3150** | **4010** | **2620** | 8.50 |
| Ground Line | | | | | **10 480** | **6250** | **6630** | **4190** | **4790** | **3090** | **4140** | **2690** | 8.31 |
| –1.5 m | 6300 | 6300 | 10 420 | 10 420 | **10 650** | **6310** | **6660** | **4180** | **4820** | **3110** | **4560** | **2950** | 7.82 |
| –3.0 m | 11 440 | 11 440 | 15 290 | **13 190** | 10 690 | **6530** | **6830** | **4300** | | | **5510** | **3550** | 6.97 |
| –4.5 m | | | 12 350 | 12 350 | 8790 | **6940** | | | | | 6630 | **5070** | 5.60 |

## E210LC 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 5.68-m HD boom; 2.9-m HD arm; no bucket; and 600-mm HD triple-grouser shoes; long carriage; and 4200-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | 5050 | 5050 | | | 5030 | **4710** | 6.28 |
| 6.0 m | | | | | | | 4960 | 4960 | | | 4660 | **3630** | 7.39 |
| 4.5 m | | | | | | | 5510 | **5030** | 5190 | **3540** | 4570 | **3120** | 8.07 |
| 3.0 m | | | | | 8170 | **7270** | 6390 | **4800** | **5220** | **3450** | **4350** | **2870** | 8.43 |
| 1.5 m | | | | | 9980 | **6810** | **7150** | **4590** | **5130** | **3350** | **4260** | **2790** | 8.50 |
| Ground Line | | | | | 10 970 | **6640** | **7040** | **4450** | **5080** | **3290** | **4400** | **2870** | 8.31 |
| –1.5 m | 6290 | 6290 | 10 410 | 10 410 | 11 110 | **6710** | **7070** | **4440** | **5120** | **3300** | **4840** | **3140** | 7.82 |
| –3.0 m | 11 430 | 11 430 | 14 960 | **14 030** | 10 460 | **6950** | **7250** | **4570** | | | **5850** | **3780** | 6.97 |
| –4.5 m | | | 12 060 | 12 060 | 8580 | **7400** | | | | | 6470 | **5410** | 5.60 |

| **Bucket Selection Guide** | | | | **E210** | | **E210LC** | | | |
|---|---|---|---|---|---|---|---|---|---|
| Counterweight | | | | 3.6 mt | 4.2 mt | 4.2 mt | 3.6 mt | 4.2 mt | 4.2 mt |
| Boom | | | | 5.68-m STD | 5.68-m STD | 5.68-m HD | 5.68-m STD | 5.68-m STD | 5.68-m HD |
| Arm | | | | 2.91-m STD | 2.91-m STD | 2.91-m HD | 2.91-m STD | 2.91-m STD | 2.91-m HD |
| | **Width*** | **Capacity** | **Weight**** | | | | | | |
| **Pin-On (no quick-coupler)** | | | | | | | | | |
| General Purpose (GP) | 1220 mm | 1.0 $m^3$ | 956 kg | B | A | B | A | A | A |
| | 1410 mm | 1.2 $m^3$ | 1034 kg | E | D | D | C | B | B |
| Heavy Duty (HD) | 1120 mm | 1.0 $m^3$ | 1176 kg | D | B | B | B | A | A |
| | 1210 mm | 1.1 $m^3$ | 1223 kg | E | D | D | C | B | B |
| | 1300 mm | 1.2 $m^3$ | 1271 kg | E | D | E | D | C | C |
| Severe Duty (SD) | 1065 mm | 1.0 $m^3$ | 1260 kg | – | – | C | – | – | B |
| | 1200 mm | 1.15 $m^3$ | 1334 kg | – | – | E | – | – | C |

*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/$m^3$
B = 1800 kg/$m^3$
C = 1700 kg/$m^3$
D = 1500 kg/$m^3$
E = 1200 kg/$m^3$
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.

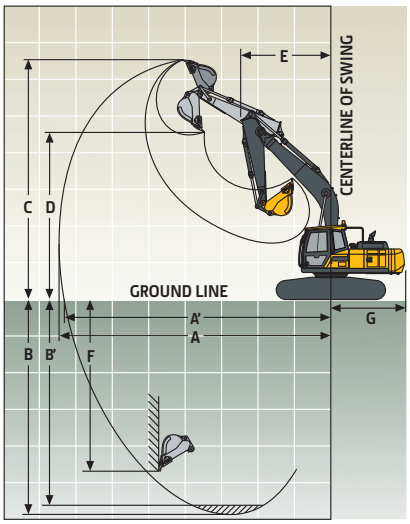
**Severe-Duty Buckets (SD):**
Severe-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in severe applications. These buckets are designed to dig and excavate in shot rocks, prying and tearing, caliche, and highly compacted materials. They feature additional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

# E230 LC SPECIFICATIONS

| **Engine** | **E230LC** | | |
|---|---|---|---|
| Manufacturer and Model | John Deere PowerTech Plus 4045 | | John Deere PowerTech 4045 |
| Non-Road Emission Standard | China Stage 3 / EPA Tier 3/EU Stage IIIA | | R96 Stage II |
| Gross Rated Power (SAE J1995 and ISO 3046) | 118 kW at 2,000 rpm | | 118 kW at 2,000 rpm |
| Net Rated Power (ISO 9249) | 117 kW at 2,000 rpm | | 112 kW at 2,000 rpm |
| Maximum Gross Torque (SAE J1995 and ISO 3046) | 645 Nm at 1,500 rpm | | 642 Nm at 1,600 rpm |
| Cylinders | 4 | | 4 |
| Piston Displacement | 4.5 L | | 4.5 L |
| Off-Level Capacity | 70% (35 deg.) | | 70% (35 deg.) |
| **Cooling** | | | |
| Type | Electronically controlled, variable-speed, suction-type cooling fan | | Fixed-drive, suction-type cooling fan |
| **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 224 L/m (2 x 112 cc/rev at 100% efficiency) | | |
| **Pilot Pump** | Gear pump | | |
| Maximum Discharge Flow | 1 x 20 L/m (1 x 10 cc/rev at 100% efficiency) | | |
| **Low-Flow Auxiliary Pump** | Gear pump | | |
| Maximum Discharge Flow | 1 x 44 L/m (1 x 22 cc/rev at 100% efficiency) | | |
| **System Operating Pressure** | | | |
| Circuits | | | |
| Implement | 34.3 MPa | | |
| Travel | 34.3 MPa | | |
| Swing | 27.3 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 | | |
| **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 | 216 kN | | |
| Travel Speeds | | | |
| High | 5.5 km/h | | |
| Low | 3.2 km/h | | |
| Parking Brake | Wet, multi disc | | |
| **Cylinders** | | | |
| | *Bore Diameter* | *Rod Diameter* | *Stroke* |
| Boom (2) | 125 mm | 85 mm | 1221 mm |
| Arm (1) | 140 mm | 95 mm | 1475 mm |
| Bucket (1) | 120 mm | 80 mm | 1060 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 | 12.5 rpm | | |
| Swing Torque | 61 kNm | | |

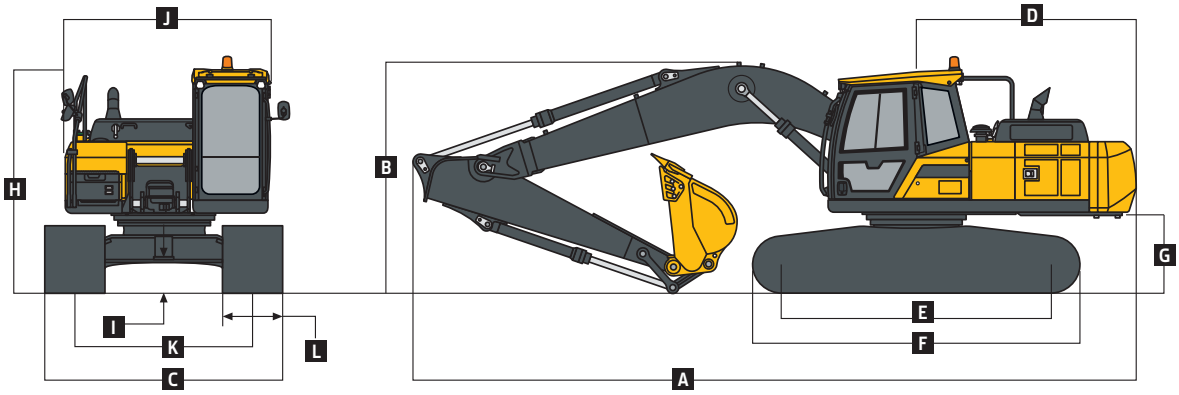
# E230 LC SPECIFICATIONS

| **Undercarriage** | **E230LC** | |
|---|---|---|
| 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) | 49 | |
| Rollers (each side) | | |
| Carrier | 2 | |
| Track | 9 | |
| Track Guides (each side) | 2 | |
| Shoe Width, Triple Grousers | | |
| Standard | 600-mm heavy duty (HD) | |
| Option 1 | 800-mm HD | |
| Option 2 (double grouser) | 700-mm HD | |
| **Weights and Ground Pressure** | | |
| | *Heavy-Duty (HD) Machine* | *Severe-Duty (SD) Machine* |
| | With 5.68-m HD Boom and 2.9-m HD Arm | With 5.68-m HD Boom and 2.9-m HD Arm |
| Bucket | 1.2-$m^3$ HD | 1.15-$m^3$ SD |
| Triple-Grouser Shoe Width | 600-mm HD / 800-mm HD | 600-mm HD |
| Operating Weight | 24 100 kg / 24 700 kg | 24 000 kg |
| Ground Pressure | 50.1 kPa / 38.4 kPa | 50.1 kPa |
| Standard Counterweight | 4800 kg | 4800 kg |
| **Electrical System** | | |
| Number of Batteries (24-volt system) | 2 – 12 volt | |
| Battery Capacity | 950 CCA | |
| Reserve Capacity | 165 min. | |
| Alternator Rating | 80 amp | |
| **Serviceability** | | |
| **Refill Capacities** (standard fill) | | |
| Fuel Tank | 390 L | |
| Engine Coolant | 26 L | |
| Engine Oil | 14.7 L | |
| Swing Mechanism | 4 L | |
| Travel Final Device (each side) | 4.4 L | |
| Hydraulic System | 260 L | |
| Hydraulic Tank | 141 L | |
| **Operating Dimensions** | | |
| | *With 5.68-m Boom and 2.9-m Arm* | |
| Tool Force | | |
| Bucket | 150 kN | |
| Arm | 111 kN | |
| **A** Maximum Reach | 10 040 mm | |
| **A**$^{I}$ Maximum Reach at Ground Level | 9820 mm | |
| **B** Maximum Digging Depth | 6730 mm | |
| **B**$^{I}$ Maximum Digging Depth at 2.44-m Level Bottom | 6560 mm | |
| **C** Maximum Cutting Height | 9810 mm | |
| **D** Maximum Loading Height | 6790 mm | |
| **E** Minimum Slew Radius | 3660 mm | |
| **F** Maximum Vertical Wall Digging Depth | 6090 mm | |
| **G** Tail-Swing Radius | 3042 mm | |



# E230LC

| Overall Dimensions | | E230LC |
|---|---|---|
| | | *With 5.68-m Boom and 2.9-m Arm* |
| **A** | Overall Length | 9790 mm |
| **B** | Overall Height | 3140 mm |
| **B**[I] | Overall Height With Boom Plumbing | 3299 mm |
| **C** | Overall Width (over tracks) | 2980 mm |
| **D** | Tail Length | 2975 mm |
| **D**[I] | Tail-Swing Radius | 3042 mm |
| **E** | Tumbler Distance | 3648 mm |
| **F** | Overall Length of Crawler | 4454 mm |
| **G** | Counterweight Clearance | 1089 mm |
| **H** | Overall Height (to top of cab) | 3024 mm |
| **I** | Ground Clearance | 445 mm |
| **J** | Overall Width of Upperstructure | 2710 mm |
| **K** | Track Gauge | 2380 mm |
| **L** | Shoe Width | 600 mm |




## E230LC 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 5.68-m HD boom; 2.9-m HD arm; no bucket; and 600-mm HD triple-grouser shoes; long carriage; and 4800-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | 5050 | 5050 | | | 5030 | 5030 | 6.28 |
| 6.0 m | | | | | | | 4960 | 4960 | | | 4660 | **3940** | 7.39 |
| 4.5 m | | | | | | | 5510 | **5430** | 5190 | **3840** | 4570 | **3400** | 8.07 |
| 3.0 m | | | | | 8170 | **7860** | 6390 | **5210** | 5570 | **3760** | 4660 | **3140** | 8.43 |
| 1.5 m | | | | | 9980 | **7410** | 7300 | **5000** | **5520** | **3660** | **4590** | **3060** | 8.50 |
| Ground Line | | | | | 10 970 | **7250** | **7580** | **4870** | **5480** | **3600** | **4750** | **3140** | 8.31 |
| –1.5 m | 6290 | 6290 | 10 410 | 10 410 | 11 110 | **7330** | **7620** | **4870** | **5520** | **3620** | **5220** | **3440** | 7.82 |
| –3.0 m | 11 430 | 11 430 | 14 960 | 14 960 | 10 460 | **7580** | 7740 | **5000** | | | **6300** | **4130** | 6.97 |
| –4.5 m | | | 12 060 | 12 060 | 8580 | **8040** | | | | | 6470 | **5880** | 5.60 |

| E230LC Bucket Selection Guide | | | | |
|---|---|---|---|---|
| Counterweight | | | | 4.8 mt |
| Boom | | | | 5.68-m HD |
| Arm | | | | 2.91-m HD |
| | **Width*** | **Capacity** | **Weight**** | |
| **Pin-On (no quick-coupler)** | | | | |
| General Purpose (GP) | 1220 mm | 1.0 $m^3$ | 956 kg | A |
| | 1410 mm | 1.2 $m^3$ | 1034 kg | A |
| Heavy Duty (HD) | 1120 mm | 1.0 $m^3$ | 1176 kg | A |
| | 1210 mm | 1.1 $m^3$ | 1223 kg | A |
| | 1300 mm | 1.2 $m^3$ | 1271 kg | B |
| | 1380 mm | 1.3 $m^3$ | 1312 kg | B |
| Severe Duty (SD) | 1065 mm | 1.0 $m^3$ | 1260 kg | A |
| | 1200 mm | 1.15 $m^3$ | 1334 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/$m^3$
B = 1800 kg/$m^3$
C = 1700 kg/$m^3$
D = 1500 kg/$m^3$
E = 1200 kg/$m^3$
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.

# E240 LC SPECIFICATIONS

| **Engine** | **E240 / E240LC** | | |
|---|---|---|---|
| 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) | 144 kW at 2,000 rpm | | 144 kW at 2,000 rpm |
| Net Rated Power (ISO 9249) | 143 kW at 2,000 rpm | | 143 kW at 2,000 rpm |
| Maximum Gross Torque (SAE J1995 and ISO 3046) | 934 Nm at 1,400 rpm | | 934 Nm at 1,400 rpm |
| Cylinders | 6 | | 6 |
| Piston Displacement | 6.8 L | | 6.8 L |
| Off-Level Capacity | 70% (35 deg.) | | 70% (35 deg.) |
| **Cooling** | | | |
| Type | Electronically controlled, variable-speed, suction-type cooling fan | | |
| **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 234 L/m (2 x 117 cc/rev at 100% efficiency) | | |
| **Pilot Pump** | Gear pump | | |
| Maximum Discharge Flow | 1 x 20 L/m (1 x 10 cc/rev at 100% efficiency) | | |
| **Low-Flow Auxiliary Pump** | Gear pump | | |
| Maximum Discharge Flow | 1 x 44 L/m (1 x 22 cc/rev at 100% efficiency) | | |
| **System Operating Pressure** | | | |
| Circuits | | | |
| Implement | 34.3 MPa | | |
| Travel | 36.4 MPa | | |
| Swing | 25.5 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 | | |
| **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 | 228 kN | | |
| Travel Speeds | | | |
| High | 5.7 km/h | | |
| Low | 3.4 km/h | | |
| Parking Brake | Wet, multi disc | | |
| **Cylinders** | | | |
| | *Bore Diameter* | *Rod Diameter* | *Stroke* |
| Boom (2) | 135 mm | 95 mm | 1355 mm |
| Arm (1) | 145 mm | 105 mm | 1700 mm |
| Bucket (1) | 130 mm | 90 mm | 1115 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 | 10.8 rpm | | |
| Swing Torque | 69 kNm | | |
| **Undercarriage** | **E240** | | **E240LC** |
| 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 | | X-leg type |
| Track Frame | Pentagonal box type | | Pentagonal box type |
| Shoes (each side) | 47 | | 51 |
| Rollers (each side) | | | |
| Carrier | 2 | | 2 |
| Track | 8 | | 9 |
| Track Guides (each side) | 2 | | 3 |

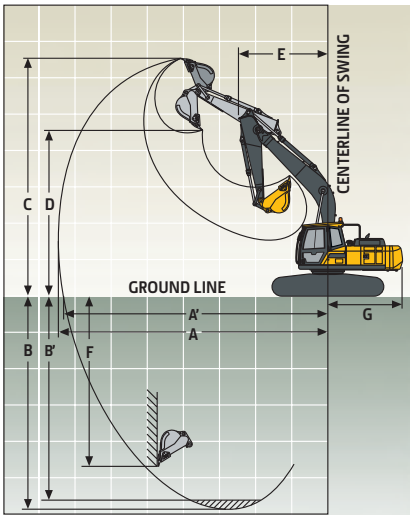
# E240 LC SPECIFICATIONS

| **Undercarriage** *(continued)* | **E240** | **E240LC** |
|---|---|---|
| Shoe Width, Triple Grousers | | |
| Standard | 600 mm | 600 mm |
| Option 1 | 600-mm heavy duty (HD) | 600-mm HD |
| Option 2 | — | 800-mm HD |
| **Weights and Ground Pressure** | | |
| | *General-Duty (GD) Machine* | |
| | With 5.9-m Boom and 3.0-m Arm | |
| Bucket | 1.3-$m^3$ General Purpose (GP) | 1.3-$m^3$ GP |
| Triple-Grouser Shoe Width | 600 mm | 600 mm / 800-mm HD |
| Operating Weight | 24 200 kg | 24 800 kg / 25 600 kg |
| Ground Pressure | 53.1 kPa | 49.4 kPa / 38.1 kPa |
| Standard Counterweight | 4700 kg | 4700 kg |
| | *Heavy-Duty (HD) Machine* | |
| | With 5.9-m HD Boom and 3.0-m HD Arm | |
| Bucket | 1.3-$m^3$ HD | 1.4-$m^3$ HD |
| Triple-Grouser Shoe Width | 600-mm HD | 600-mm HD / 800-mm HD |
| Operating Weight | 25 500 kg | 25 400 kg / 26 000 kg |
| Ground Pressure | 55.7 kPa | 50.2 kPa / 38.7 kPa |
| Standard Counterweight | 5500 kg | 4700 kg |
| | *Severe-Duty (SD) Machine* | |
| | With 5.9-m HD Boom and 3.0-m HD Arm | |
| Bucket | 1.3-$m^3$ SD | 1.3-$m^3$ SD |
| Triple-Grouser Shoe Width | 600-mm HD | 600-mm HD |
| Operating Weight | 25 600 kg | 25 400 kg |
| Ground Pressure | 56.0 kPa | 50.4 kPa |
| Standard Counterweight | 5500 kg | 4700 kg |

| **Electrical System** | **E240 / E240LC** |
|---|---|
| Number of Batteries (24-volt system) | 2 – 12 volt |
| Battery Capacity | 950 CCA |
| Reserve Capacity | 165 min. |
| Alternator Rating | 80 amp |

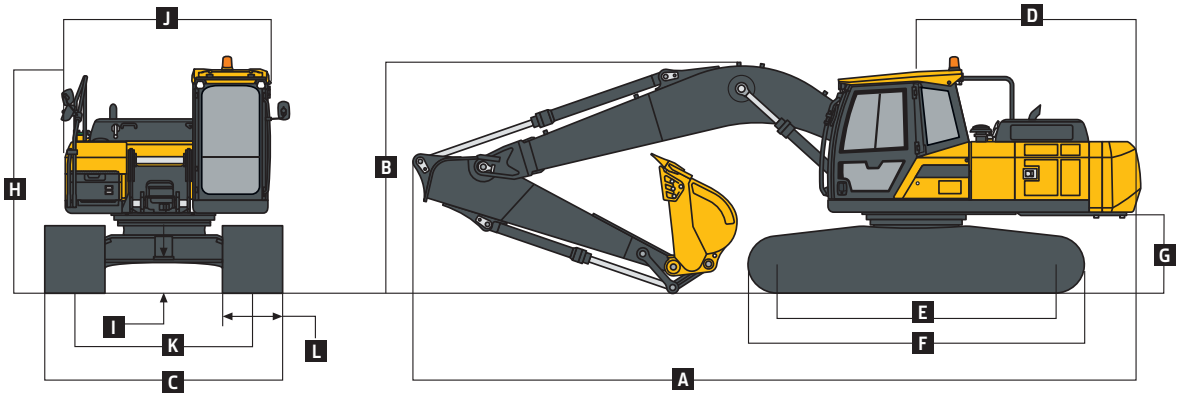
| **Serviceability** | |
|---|---|
| **Refill Capacities** (standard fill) | |
| Fuel Tank | 390 L |
| Engine Coolant | 30 L |
| Engine Oil | 20 L |
| Swing Mechanism | 5.3 L |
| Travel Final Device (each side) | 4.4 L |
| Hydraulic System | 260 L |
| Hydraulic Tank | 141 L |

| **Operating Dimensions** | |
|---|---|
| | *With 5.9-m Boom and 3.0-m Arm* |
| Tool Force | |
| Bucket | 176 kN |
| Arm | 134 kN |
| **A** Maximum Reach | 10 370 mm |
| **A**$^1$ Maximum Reach at Ground Level | 10 140 mm |
| **B** Maximum Digging Depth | 7160 mm |
| **B**$^1$ Maximum Digging Depth at 2.44-m Level Bottom | 6980 mm |
| **C** Maximum Cutting Height | 9810 mm |
| **D** Maximum Loading Height | 6870 mm |
| **E** Minimum Slew Radius | 4010 mm |
| **F** Maximum Vertical Wall Digging Depth | 6200 mm |
| **G** Tail-Swing Radius | 3100 mm |



# E240 / E240LC

| Overall Dimensions | | E240 | E240LC |
|---|---|---|---|
| | | *With 5.9-m Boom and 3.0-m Arm* | *With 5.9-m Boom and 3.0-m Arm* |
| **A** | Overall Length | 10 180 mm | 10 180 mm |
| **B** | Overall Height | 3150 mm | 3150 mm |
| **B**[I] | Overall Height With Boom Plumbing | 3346 mm | 3346 mm |
| **C** | Overall Width (over tracks) | 2980 mm | 3200 mm |
| **D** | Tail Length | 3035 mm | 3035 mm |
| **D**[I] | Tail-Swing Radius | 3100 mm | 3100 mm |
| **E** | Tumbler Distance | 3456 mm | 3837 mm |
| **F** | Overall Length of Crawler | 4262 mm | 4643 mm |
| **G** | Counterweight Clearance | 1090 mm | 1090 mm |
| **H** | Overall Height (to top of cab) | 3027 mm | 3027 mm |
| **I** | Ground Clearance | 445 mm | 445 mm |
| **J** | Overall Width of Upperstructure | 2710 mm | 2710 mm |
| **K** | Track Gauge | 2380 mm | 2600 mm |
| **L** | Shoe Width | 600 mm | 600 mm |




## E240 General-Duty (GD) 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 5.9-m boom; 3.0-m arm; no bucket; and 600-mm triple-grouser shoes; standard carriage; and 4700-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | | | | | 5110 | **4580** | 6.71 |
| 6.0 m | | | | | | | | | **5310** | **3840** | 4820 | **3620** | 7.74 |
| 4.5 m | | | | | | | 7130 | **5360** | **5280** | **3790** | **4400** | **3140** | 8.38 |
| 3.0 m | | | | | 10 890 | **7650** | **7240** | **5090** | **5170** | **3670** | **4090** | **2900** | 8.71 |
| 1.5 m | | | | | **10 810** | **7160** | **6990** | **4840** | **5050** | **3550** | **4010** | **2830** | 8.77 |
| Ground Line | | | | | **10 680** | **6980** | **6850** | **4690** | **4980** | **3470** | **4130** | **2900** | 8.57 |
| –1.5 m | 7710 | 7710 | 12 020 | 12 020 | **10 840** | **7050** | **6860** | **4680** | **4990** | **3470** | **4520** | **3160** | 8.09 |
| –3.0 m | 13 470 | 13 470 | 19 360 | **14 760** | **11 210** | **7300** | **7030** | **4800** | | | **5390** | **3760** | 7.25 |
| –4.5 m | | | 16 970 | **15 890** | **11 820** | **7750** | | | | | **7560** | **5210** | 5.93 |

## E240 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 5.9-m HD boom; 3.0-m HD arm; no bucket; and 600-mm HD triple-grouser shoes; standard carriage; and 5500-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | | | | | 5090 | 4950 | 6.71 |
| 6.0 m | | | | | | | | | **5720** | **4160** | 4800 | **3920** | 7.74 |
| 4.5 m | | | | | | | 7050 | **5800** | **5680** | **4110** | **4740** | **3410** | 8.38 |
| 3.0 m | | | | | 10 770 | **8280** | **7790** | **5520** | **5560** | **3980** | **4410** | **3160** | 8.71 |
| 1.5 m | | | | | **11 640** | **7760** | **7530** | **5250** | **5440** | **3860** | **4330** | **3080** | 8.77 |
| Ground Line | | | | | **11 520** | **7580** | **7390** | **5100** | **5370** | **3770** | **4460** | **3160** | 8.57 |
| –1.5 m | 7690 | 7690 | 12 010 | 12 010 | **11 700** | **7670** | **7410** | **5090** | **5390** | **3780** | **4880** | **3440** | 8.08 |
| –3.0 m | 13 450 | 13 450 | 19 360 | **16 040** | **12 100** | **7940** | **7590** | **5220** | | | **5820** | **4090** | 7.25 |
| –4.5 m | | | 16 760 | 16 760 | 11 960 | **8420** | | | | | **8160** | **5670** | 5.93 |

## E240LC 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 5.9-m HD boom; 3.0-m HD arm; no bucket; and 600-mm HD triple-grouser shoes; long carriage; and 4700-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | | | | | 5090 | 5090 | 6.71 |
| 6.0 m | | | | | | | | | 6060 | **4280** | 4800 | **4040** | 7.74 |
| 4.5 m | | | | | | | 7050 | **5990** | **6180** | **4230** | 4740 | **3510** | 8.38 |
| 3.0 m | | | | | 10 770 | **8660** | 8290 | **5710** | **6070** | **4110** | **4790** | **3250** | 8.71 |
| 1.5 m | | | | | **13 170** | **8130** | **8310** | **5440** | **5940** | **3980** | **4710** | **3160** | 8.77 |
| Ground Line | | | | | **13 070** | **7950** | **8180** | **5290** | **5870** | **3890** | **4860** | **3250** | 8.57 |
| –1.5 m | 7690 | 7690 | 12 010 | 12 010 | **13 300** | **8040** | **8210** | **5280** | **5900** | **3900** | **5330** | **3550** | 8.09 |
| –3.0 m | 13 450 | 13 450 | 19 360 | **17 410** | **13 770** | **8330** | **8410** | **5420** | | | **6370** | **4220** | 7.25 |
| –4.5 m | | | 16 760 | 16 760 | 11 960 | **8840** | | | | | 8610 | **5890** | 5.93 |

| Bucket Selection Guide | | | | E240 | | E240LC | |
|---|---|---|---|---|---|---|---|
| Counterweight | | | | 4.7 mt | 5.5 mt | 4.7 mt | |
| Boom | | | | 5.9-m STD | 5.9-m HD | 5.9-m STD | 5.9-m HD |
| Arm | | | | 3.0-m STD | 3.0-m HD | 3.0-m STD | 3.0-m HD |
| | Width* | Capacity | Weight** | | | | |
| **Pin-On (no quick-coupler)** | | | | | | | |
| General Purpose (GP) | 1400 mm | 1.3 $m^3$ | 1171 kg | C | B | B | B |
| | 1490 mm | 1.4 $m^3$ | 1210 kg | D | B | B | B |
| Heavy Duty (HD) | 1350 mm | 1.3 $m^3$ | 1380 kg | D | B | B | B |
| | 1430 mm | 1.4 $m^3$ | 1424 kg | E | D | C | C |
| | 1500 mm | 1.5 $m^3$ | 1462 kg | E | D | D | D |
| Severe Duty (SD) | 1280 mm | 1.3 $m^3$ | 1461 kg | — | C | — | B |
| | 1370 mm | 1.4 $m^3$ | 1506 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/$m^3$
B = 1800 kg/$m^3$
C = 1700 kg/$m^3$
D = 1500 kg/$m^3$
E = 1200 kg/$m^3$
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.

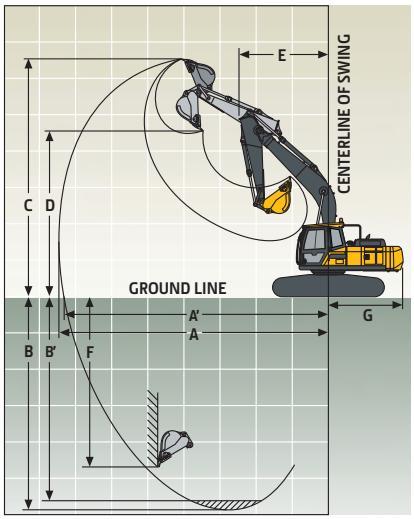
**Severe-Duty Buckets (SD):**
Severe-Duty buckets are provided as optional equipment and engineered to meet or exceed customer expectations in severe applications. These buckets are designed to dig and excavate in shot rocks, prying and tearing, caliche, and highly compacted materials. They feature additional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

# E260 LC SPECIFICATIONS

| **Engine** | **E260LC** | | |
|---|---|---|---|
| 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) | 144 kW at 2,000 rpm | | 144 kW at 2,000 rpm |
| Net Rated Power (ISO 9249) | 143 kW at 2,000 rpm | | 143 kW at 2,000 rpm |
| Maximum Gross Torque (SAE J1995 and ISO 3046) | 934 Nm at 1,400 rpm | | 934 Nm at 1,400 rpm |
| Cylinders | 6 | | 6 |
| Piston Displacement | 6.8 L | | 6.8 L |
| Off-Level Capacity | 70% (35 deg.) | | 70% (35 deg.) |
| **Cooling** | | | |
| Type | Electronically controlled, variable-speed, suction-type cooling fan | | |
| **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 234 L/m (2 x 117 cc/rev at 100% efficiency) | | |
| **Pilot Pump** | Gear pump | | |
| Maximum Discharge Flow | 1 x 20 L/m (1 x 10 cc/rev at 100% efficiency) | | |
| **Low-Flow Auxiliary Pump** | Gear pump | | |
| Maximum Discharge Flow | 1 x 44 L/m (1 x 22 cc/rev at 100% efficiency) | | |
| **System Operating Pressure** | | | |
| Circuits | | | |
| Implement | 34.3 MPa | | |
| Travel | 36.4 MPa | | |
| Swing | 25.5 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 | | |
| **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 | 228 kN | | |
| Travel Speeds | | | |
| High | 5.7 km/h | | |
| Low | 3.4 km/h | | |
| Parking Brake | Wet, multi disc | | |
| **Cylinders** | | | |
| | *Bore Diameter* | *Rod Diameter* | *Stroke* |
| Boom (2) | 135 mm | 95 mm | 1355 mm |
| Arm (1) | 145 mm | 105 mm | 1700 mm |
| Bucket (1) | 130 mm | 90 mm | 1115 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 | 10.8 rpm | | |
| Swing Torque | 69 kNm | | |

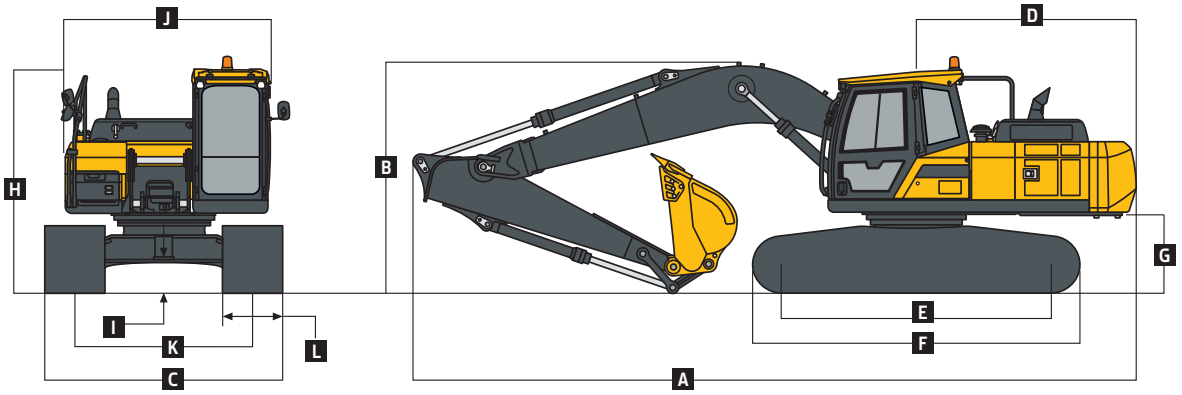
# E260 LC SPECIFICATIONS

| **Undercarriage** | **E260LC** | |
|---|---|---|
| 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) | 51 | |
| Rollers (each side) | | |
| Carrier | 2 | |
| Track | 10 | |
| Track Guides (each side) | 3 | |
| Shoe Width, Triple Grousers | | |
| Standard | 600 mm | |
| Option 1 | 600-mm heavy duty (HD) | |
| Option 2 | 800-mm HD | |
| **Weights and Ground Pressure** | | |
| | *Heavy-Duty (HD) Machine* | *Severe-Duty (SD) Machine* |
| | With 5.9-m HD Boom and 3.0-m HD Arm | With 5.9-m HD Boom and 3.0-m HD Arm |
| Bucket | 1.5-$m^3$ HD | 1.4-$m^3$ SD |
| Triple-Grouser Shoe Width | 600-mm HD / 800-mm HD | 600-mm HD |
| Operating Weight | 26 300 kg / 26 900 kg | 26 400 kg |
| Ground Pressure | 52.2 kPa / 40.0 kPa | 52.4 kPa |
| Standard Counterweight | 5500 kg | 5500 kg |
| **Electrical System** | | |
| Number of Batteries (24-volt system) | 2 – 12 volt | |
| Battery Capacity | 950 CCA | |
| Reserve Capacity | 165 min. | |
| Alternator Rating | 80 amp | |
| **Serviceability** | | |
| **Refill Capacities** (standard fill) | | |
| Fuel Tank | 390 L | |
| Engine Coolant | 30 L | |
| Engine Oil | 20 L | |
| Swing Mechanism | 5.3 L | |
| Travel Final Device (each side) | 4.4 L | |
| Hydraulic System | 260 L | |
| Hydraulic Tank | 141 L | |
| **Operating Dimensions** | | |
| | *With 5.9-m Boom and 3.0-m Arm* | |
| Tool Force | | |
| Bucket | 176 kN | |
| Arm | 134 kN | |
| **A** Maximum Reach | 10 370 mm | |
| **A**$^{I}$ Maximum Reach at Ground Level | 10 140 mm | |
| **B** Maximum Digging Depth | 7160 mm | |
| **B**$^{I}$ Maximum Digging Depth at 2.44-m Level Bottom | 6980 mm | |
| **C** Maximum Cutting Height | 9810 mm | |
| **D** Maximum Loading Height | 6870 mm | |
| **E** Minimum Slew Radius | 4010 mm | |
| **F** Maximum Vertical Wall Digging Depth | 6200 mm | |
| **G** Tail-Swing Radius | 3100 mm | |



# E260LC

| Overall Dimensions | | E260LC |
|---|---|---|
| | | *With 5.9-m Boom and 3.0-m Arm* |
| **A** | Overall Length | 10 180 mm |
| **B** | Overall Height | 3150 mm |
| **B**[I] | Overall Height With Boom Plumbing | 3346 mm |
| **C** | Overall Width (over tracks) | 3200 mm |
| **D** | Tail Length | 3035 mm |
| **D**[I] | Tail-Swing Radius | 3100 mm |
| **E** | Tumbler Distance | 3837 mm |
| **F** | Overall Length of Crawler | 4643 mm |
| **G** | Counterweight Clearance | 1090 mm |
| **H** | Overall Height (to top of cab) | 3027 mm |
| **I** | Ground Clearance | 445 mm |
| **J** | Overall Width of Upperstructure | 2710 mm |
| **K** | Track Gauge | 2600 mm |
| **L** | Shoe Width | 600 mm |




## E260LC 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 5.9-m HD boom; 3.0-m HD arm; no bucket; and 600-mm HD triple-grouser shoes; long carriage; and 5500-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.

| | HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 m | | 3.0 m | | 4.5 m | | 6.0 m | | 7.5 m | | Maximun Reach | | |
| LOAD POINT HEIGHT | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Over Front | Over Side | Value (m) |
| 7.5 m | | | | | | | | | | | 5090 | 5090 | 6.71 |
| 6.0 m | | | | | | | | | 6060 | **4660** | 4800 | **4400** | 7.74 |
| 4.5 m | | | | | | | 7050 | **6500** | 6580 | **4610** | 4740 | **3840** | 8.38 |
| 3.0 m | | | | | 10 770 | **9400** | 8290 | **6220** | **6550** | **4490** | 4870 | **3570** | 8.71 |
| 1.5 m | | | | | 13 170 | **8890** | **8980** | **5960** | **6430** | **4370** | **5100** | **3490** | 8.77 |
| Ground Line | | | | | **14 130** | **8720** | **8850** | **5810** | **6370** | **4290** | **5270** | **3580** | 8.57 |
| –1.5 m | 7690 | 7690 | 12 010 | 12 010 | **14 380** | **8830** | **8890** | **5810** | **6400** | **4300** | **5780** | **3910** | 8.09 |
| –3.0 m | 13 450 | 13 450 | 19 360 | **19 010** | 13 980 | **9130** | **9100** | **5950** | | | **6900** | **4640** | 7.25 |
| –4.5 m | | | 16 760 | 16 760 | 11 960 | **9660** | | | | | 8610 | **6440** | 5.93 |

| Bucket Selection Guide | | | | E260LC | |
|---|---|---|---|---|---|
| Counterweight | | | | 5.5 mt | |
| Boom | | | | 5.9-m STD | 5.9-m HD |
| Arm | | | | 3.0-m STD | 3.0-m HD |
| | **Width*** | **Capacity** | **Weight**** | | |
| **Pin-On (no quick-coupler)** | | | | | |
| General Purpose (GP) | 1400 mm | 1.3 $m^3$ | 1171 kg | A | A |
| | 1490 mm | 1.4 $m^3$ | 1210 kg | A | A |
| Heavy Duty (HD) | 1350 mm | 1.3 $m^3$ | 1380 kg | A | A |
| | 1430 mm | 1.4 $m^3$ | 1424 kg | B | B |
| | 1500 mm | 1.5 $m^3$ | 1462 kg | B | B |
| Severe Duty (SD) | 1280 mm | 1.3 $m^3$ | 1461 kg | — | A |
| | 1370 mm | 1.4 $m^3$ | 1506 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.

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**Severe-Duty Buckets (SD):**
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# Additional equipment

**Key:** ● Standard ▲ Optional or special

See your John Deere dealer for further information.

| E210 | E230 | E240 | E260 | 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 |
| ● | ● | ● | ● | Engine-mounted direct-drive cooling fan |
| ● | ● | ● | ● | Cool-on-demand electronically controlled variable-speed fan (destination specific) |
| ● | ● | ● | ● | 70% (35 deg.) off-level capability |
| ● | ● | ● | ● | Glow-plug cold-start aid |
| ● | ● | ● | ● | Lockable fuel cap provision |
| ● | ● | ● | ● | Fuel overfill 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 auxilliary |
| ● | ● | ● | ● | 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 1 additional |
| ▲ | ● | ▲ | | Track guides, front idler and 2 additional |

| E210 | E230 | E240 | E260 | Undercarriage *(continued)* |
|---|---|---|---|---|
| | | ▲ | ● | Track guides, front idler and 3 additional |
| ▲ | ▲ | ▲ | ▲ | Full-length rock guard |
| ● | ● | ● | ● | 2-speed propel with automatic shift |
| ● | ● | ● | ● | Upper carrier rollers (2) |
| ▲ | | | | Heavy-duty (HD) track roller (7) |
| ▲ | | ▲ | | HD track roller (8) |
| | ● | ▲ | | HD track roller (9) |
| | | | ● | HD track roller (10) |
| ● | ● | ● | ● | HD sealed and lubricated track chain |
| ▲ | | | | Triple-grouser shoes, 500 mm |
| ● | | ● | | Triple-grouser shoes, 600 mm |
| ▲ | ● | ▲ | ● | HD triple-grouser shoes, 600 mm |
| ▲ | ▲ | ▲ | ▲ | HD triple-grouser shoes, 800 mm |
| ▲ | ▲ | ▲ | ▲ | General-duty (GD) undercarriage frame bottom 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 |
| | | | | **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 (via throttle): Power modes (3) + High Power mode in all speeds / Travel speeds (2 with auto shift) / Work modes (3) |
| ● | ● | ● | ● | Multifunction, 7-in. color touch-screen 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 |
| ▲ | ▲ | ▲ | ▲ | Rear camera toggle switch in left control lever |
| ● | ● | ● | ● | Tinted glass |
| ▲ | ▲ | ▲ | ▲ | Transparent tinted overhead hatch |
| ● | ● | ● | ● | Steel overhead hatch |

| E210 | E230 | E240 | E260 | Operator's Station *(continued)* |
|---|---|---|---|---|
| ● | ● | ● | ● | Rollover Protection Structure (ROPS)-certified cab (conforms to ISO 12117-2) |
| ● | ● | ● | ● | Safety bars on right-hand glass |
| ▲ | ▲ | ▲ | ▲ | Falling Object Protection Structure (FOPS level-II)-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 |
| ▲ | ▲ | ▲ | ▲ | 2-way 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 |
| ● | ● | ● | ● | Mechanical suspension operator seat with cloth trim, 170-kg capacity, 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 |
| ▲ | ▲ | | | GD boom, 5.68 m |
| ▲ | ▲ | | | HD boom, 5.68 m |
| | | ▲ | ▲ | GD boom, 5.9 m |
| | | ▲ | ▲ | HD boom, 5.9 m |
| ▲ | ▲ | | | GD arm, 2.9 m |
| ▲ | ▲ | | | HD arm, 2.9 m |
| | | ▲ | ▲ | GD arm, 3.0 m |
| | | ▲ | ▲ | HD arm, 3.0 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 |



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