



# FORWARDERS

## 1010D Eco III

CUT-TO-LENGTH SYSTEM

HARVESTERS

FORWARDERS



**Eco III**





## NEW POWERFUL JOHN DEERE 1010D ECO III.

BETTER FUEL ECONOMY WITH THE NOW EVEN MORE EFFICIENT 1010D ECO III.

The Eco III forwarders come with a hardwearing John Deere PowerTech Plus™ engine, which is even more powerful than before, generates an even higher torque and conforms to Tier III emission regulations. The forwarders also feature versatile, user-friendly software for monitoring the engine's performance.

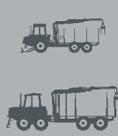
The new John Deere 4045 PowerTech Plus engine improves the forwarder's efficiency. Compared to the previous model, the new engine offers 6% more power and its super-high torque can be used across an even wider spectrum of RPMs. Compared to the old model, it also responds more quickly to changes in the load. New properties include a cooled exhaust gas recirculation system (EGR), a variable geometry turbocharger (VGT), a four-valve cylinder head and a viscous fan clutch. In addition, the hydraulics and engine cooling system has been improved by introducing a larger cooling unit.

### CUT-TO-LENGTH SYSTEM

#### HARVESTERS



#### FORWARDERS



# Eco III

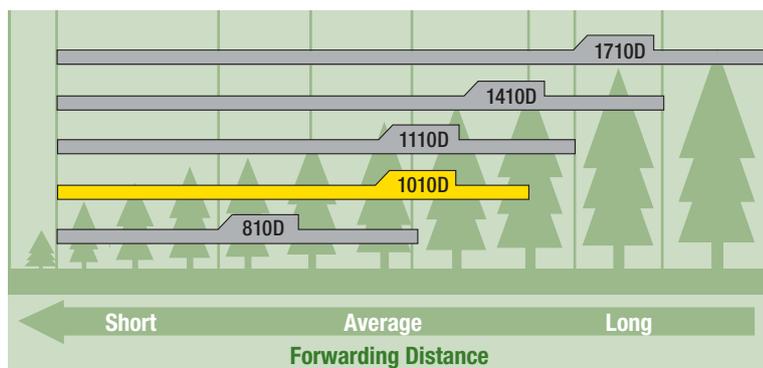


The John Deere 1010D Eco III is a versatile, reliable and easy-to-use forwarder that meets all the requirements of a first-rate forest machine. The 1010D represents the same productivity and reliability as its predecessors as well as the power and durability that are typical of all John Deere forest machines.

Thanks to its size and properties, the 1010D is ideally suited to a wide variety of different applications, from demanding thinning to regeneration felling. Due to its small turning circle and generous ground clearance, the 1010D moves effortlessly in uneven terrain.

The John Deere 1010D is also effective in improving the environmental friendliness of harvesting work. The machine's low centre of gravity, advanced transmission technology and wide tyres minimise surface pressure and ground impact.

#### Operating range of the 1010D



# VERSATILITY. HIGH UPTIME. EASY MAINTENANCE

FORWARDERS

10T0D Eco III

The efficient hydraulic system makes the boom easy to handle. Thanks to the large diameter of the hydraulic hoses and pipes, losses are minimal. The state-of-the-art filter system lengthens the life of the components.

The powerful CF5 boom is easy to control and its smooth motions give added efficiency to loading and unloading. The clever positioning is ideal for thinning. Three different boom reach lengths are available: 7.2, 8.5 and 10 metres, depending on the choice of grapple. Optional hydraulic dampening for slewing and lifting is also available.

The low centre of gravity of the load space keeps the machine steady in all conditions. Two different frame lengths are available. The machine also has a fixed or hydraulically operated strong headboard.

The machine is equipped with a reversing alarm as standard. A reversing light is also available.

The machine features a strong balanced gear bogie unit. Several tyre options are available, as are matching chains and tracks.

The machine has a strong frame structure and middle joint. The result is a well-balanced whole with a powerful frame brake. The positioning of the middle joint, the steering angle of  $\pm 44$  degrees and the generous ground clearance together give the forwarder agility and a small turning circle.

The cab conforms to safety regulations and provides excellent visibility in all directions. The cab has efficient air-conditioning and soundproofing. A CD player/radio is provided. The large windows are made from tinted polycarbonate safety glass and blinds that provide shade from sunlight are also available. The sturdy air-suspended seat has various adjustments. The cab is equipped with halogen/xenon lights and a connection for a mobile telephone.

The easy-to-use LCS control system governs the boom's functions. The boom's operating speeds are adjusted by means of a single potentiometer. The machine also features hydraulic transmission control.

The engine hood is light to lift. Servicing the engine is easy and safe, and components that require daily or scheduled servicing are easily accessible. Accessories include, for example, a diesel heater.

The John Deere PowerTech Plus 4045 HTJ diesel engine offers excellent fuel economy and gives high torque even at low RPMs. The cooling system for the engine and hydraulics offers excellent performance whatever the conditions.

The strong belly pan can be lowered and raised using a winch. Access to all wearing parts is easy, fast and safe. The generous approach angle improves ground clearance and off-road properties.

The machine has strong rigid axles at the front and offers excellent ground clearance. Thanks to the high tractive force, the machine overcomes even the most extreme of conditions. Several tyre options are available, as are matching chains.

Gaining access to wearing parts that are located underneath the cab is easy, as the cab tilts out of the way hydraulically. Service lights are provided in the space underneath the cab.

**Eco III**

# TORQUE. POWER. PRODUCTIVITY. LOW OPERATING COSTS.



Thanks to long experience and expertise, John Deere forest machines are efficient and reliable. The 1010D has been designed to make harvesting more efficient in terms of both demanding thinning and regeneration felling.

The 1010D is a productive partner for a John Deere harvester. Thanks to the powerful engine, the hydrostatic transmission and the generous ground clearance, the forwarder moves effortlessly in any kind of terrain.

The ideal weight distribution of the machine and the efficient frame brake work together to make loading and unloading easy. The strong boom and its long reach complement the package. Operators benefit from the easy-to-use controls, good visibility in all directions and the efficient lighting.

The John Deere PowerTech Plus diesel engines conform to the latest emission regulations and offer excellent fuel economy. The powerful engines yield high torque values even at low RPMs, making the 1010D efficient and easy to operate. Thanks to the powerful hydrostatic transmission, the forwarder overcomes even the most demanding terrain.

Special attention has been given to making the forwarder easy to maintain. Accessing components that require daily servicing is easy and safe.

Parts of the bogie unit are located inside the rim of the wheel, which gives the machine excellent ground clearance both in terms of height and width. Thanks to its ground clearance, the machine overcomes rocks and tree stumps effortlessly. This helps the operator to choose the machine's path and improves productivity.

**LOAD RATING** 11 000 kg

**ENGINE** John Deere 4045 PowerTech Plus HTJ turbocharger, intercooler, diesel, 4 cylinders, 4.5-litre cylinder capacity

Max. power output 91 kW @ 1 900 RPM  
 Torque 498 Nm @ 1 400 RPM  
 Fuel tank capacity 165 litres

**TRANSMISSION** Hydrostatic-mechanical 2-speed gearbox; release of rear-wheel drive

Tractive power 140 kN  
 Speed range, low 0 - 8 km/h  
 high 0 - 23 km/h

**STEERING** Proportional frame steering

Steering angle  $\pm 44^\circ$

**BRAKES** The service brakes are hydraulically actuated, oil-immersed multi-disc brakes. The parking and emergency brakes are spring-actuated. ISO 11169 The frame brake is automated.

**AXLES / BOGIE UNIT** Rigid axles at the front. Portal type gear bogie axle at the back. Hydro-mechanical differential lock at the front and rear.

**ELECTRICS**

Voltage 24 V  
 Batteries 2 x 115 Ah  
 Alternator 100 A (28 V)  
 Lights 8 x 140 W Twin Power; xenon lights also available

**HYDRAULICS** Load-sensing, power-adjustable

Pump capacity 100 cm<sup>3</sup>  
 Operating pressure 24 MPa  
 Hydraulic tank 100 litres

**BOOM** CF5

Max. reach lengths 7.2 m / 8.5 m / 10 m  
 Gross lifting torque 102 kNm  
 Slewing torque 24 kNm  
 Slewing angle 380°

**CAB** Safe and in conformity with ISO standards

**CONTROL SYSTEM** LCS (Loader Control System)

**MEASUREMENTS (mm)\***

A Length  
 - Standard wheelbase 9 085  
 - Long wheelbase 9 485

B Bogie boss – middle joint 1 500  
 C Middle joint – bogie boss 3 300 (3 700)  
 D Headboard – bogie boss 2 556 (2 956)  
 E Bogie boss – rear 2 025

F Width  
 - at the front 2 680 (600 series tyres)  
 2 860 (700 series tyres)  
 - at the rear 2 700 (600 series tyres)  
 2 880 (700 series tyres)  
 2 890 (710 series tyres)

G Min. load height 3 700  
 H Ground clearance 605

**WEIGHT**  
 Depending on the accessories, from 12 800 kg

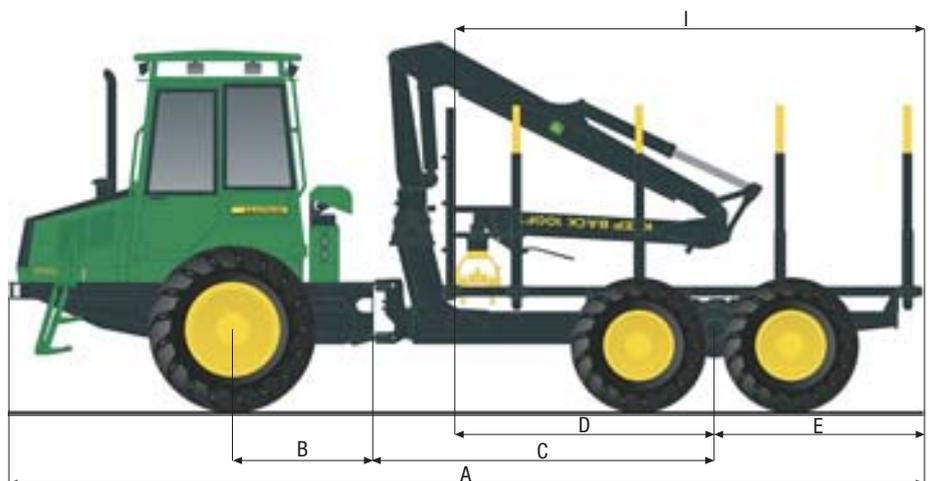
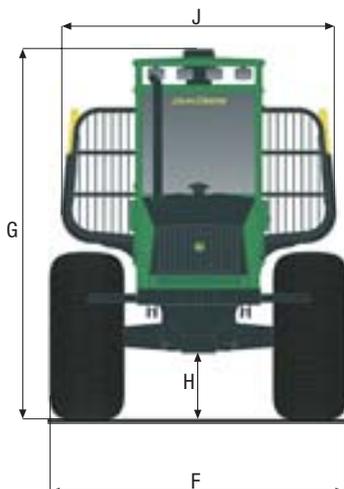
**LOAD SPACE OPTIONS\***

	Standard	Wide
I Overall length	4 580 mm (4 980 mm)	4 580 mm –
J External width	2 566 mm	2 760 mm
Cross-sectional area	4 m <sup>2</sup>	4.3 m <sup>2</sup>

\* Please note: the measurements are guidelines only and may vary depending on the production tolerances. (Measurements relating to the long wheelbase are given in brackets.)

**ACCESSORIES**  
 For more information on the accessories, please contact our resellers.

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## NOTHING RUNS LIKE A DEERE.

MAYBE THOSE WORDS ARE THE REASON WHY ALMOST EVERY OTHER PROFESSIONAL LOGGER IS A JOHN DEERE CUSTOMER.

They're just five simple words. Yet they have a profound impact on your company. Because at their heart they mean equipment that is built forest tough, with greater productivity, more uptime and lower daily operating costs. They mean a dealer network over 380 locations strong, with immediate access to parts and experts that understand your industry.

They mean a dedicated lender in John Deere Credit, committed to helping loggers succeed with competitive financing to enhance cash flow. And they mean a global forestry equipment leader that invests more in R & D than any other manufacturer. But most of all, these words represent the confidence that comes with over 170 years of heavy equipment experience.

Your world is logging. So is ours. John Deere Forestry. Leading the way, worldwide.

FULL TREE SYSTEM

CUT-TO-LENGTH SYSTEM

PRODUCTIVITY | UPTIME | LOW OPERATING COSTS

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