

810E



John Deere 810E forwarder: Efficiency in thinning and soft ground applications

The totally new John Deere 810E Forwarder is an efficient and agile forwarder for thinning operations in wet and soft ground conditions. This new eight-wheel-drive forwarder offers a solid nine-metric-ton load capacity for more power and torque than its 810D predecessor. Revolutionary new features include a rotating and leveling cabin and new TimberMatic™ automation for clear 360-degree visibility of your surroundings and to the boom for safer, more ergonomic log loading. Additional comfort improvements like automatic air conditioning, high-quality upholstery, and lowered noise and vibration levels ensure an unparalleled operating experience.

The 810E is equipped with larger work and drive pumps than its D-Series predecessor for improved loading efficiency and productivity. Smooth and accurate cabin leveling allows you to drive at higher speeds to get the job done faster while minimizing operator fatigue. The quick and powerful CF1 boom is mounted on the front frame to maximize boom handling in narrow spaces and equalize weight distribution on all eight wheels. Moreover, the wide tires and balanced bogie unit reduce ground impact, easing surface traction, especially on wet and soft ground.

The 810E is powered by a 4.5-liter John Deere PowerTech™ Plus engine featuring high torque at low rpm. Machine control and settings are easily adjusted through new TimberMatic F-09 automation — or when the machine is not PC-equipped through the CommandCenter™ control display. The unique John Deere TimberLink™ machine performance follow-up and optimization tool, now available for forwarders, enables you to keep an eye on operating costs and track machine performance and efficiency.

All E-Series Forwarders are equipped with sturdier frames, and daily maintenance is reduced via the new hydraulic fan, which reverses automatically to clean dust and debris out of the engine cooler. The engine air filter enables pre-filtering, which increases the wear life of the filter. An optional central lubrication system further reduces the time needed for daily maintenance.

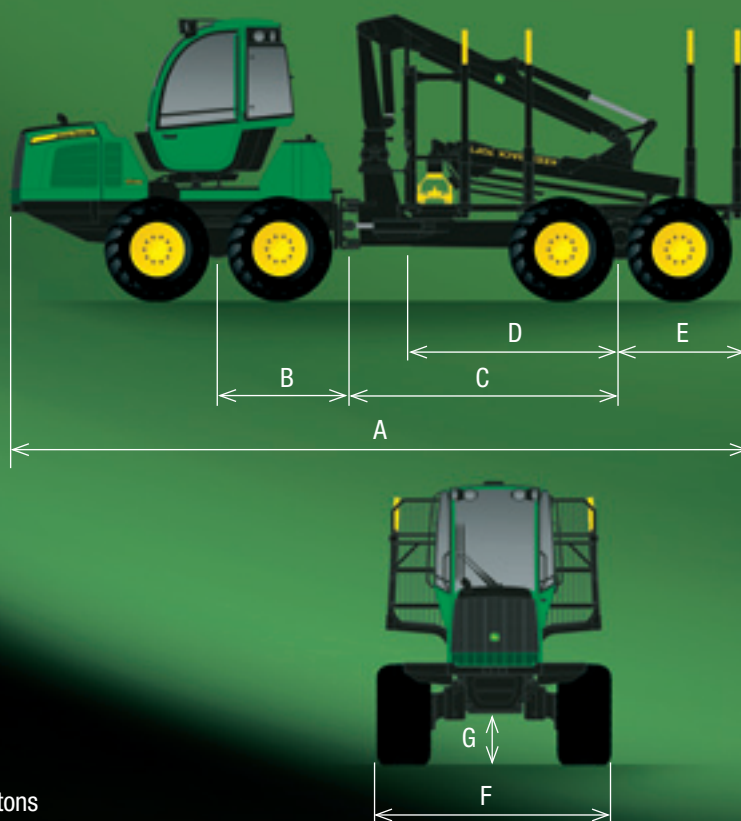
THE REVOLUTIONARY E-SERIES.
LOGGING WILL NEVER BE THE SAME AGAIN.

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810E

MEASUREMENTS *

| | |
|---|---------------------------|
| Length [A] | 8240 mm / 324 in. |
| Wheelbase [B+C] | 4340 mm / 171 in. |
| Bogie centre — Middle joint [B] | 1950 mm / 77 in. |
| Middle joint — Bogie center [C] | 2390 mm / 94 in. |
| Headboard — Bogie center [D] | 2420 mm / 95 in. |
| Bogie center — Rear [E] | 1380 mm / 54 in. |
| Width — 500 Series tires [F] | 2300 mm / 91 in. |
| Width — 600 Series tires [F] | 2530 mm / 100 in. |
| Width — 700 Series tires [F] | 2680 mm / 106 in. |
| Turning angle | 45° |
| Outer turning radius — 700 Series tires | 6820 mm / 269 in. |
| Inner turning radius — 700 Series tires | 3820 mm / 150 in. |
| Transport height | 3780 mm / 149 in. |
| Load rating | 9 tonnes / 9.9 short tons |
| Ground clearance [G] | 595 mm / 23 in. |
| Tires front | 22,5 – 16 |
| Tires rear | 22,5 – 16 |
| Machine weight | 12,950 kg / 28,549.83 lb. |
| Approach angle | 32° |



* Note! The measurements are nominal and may vary depending on the manufacturing tolerances.

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| BOOM | CF1 |
| Maximum reach | 7.2 m / 8.7 m / 9.8 m 23.6 ft. / 28.5 ft. / 32.2 ft. |
| Gross lifting torque | 76 kNm / 56,054.56 lb. ft. |
| Gross slewing torque | 19 kNm / 14,013.64 lb. ft. |
| Slewing angle | 380° |

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| LOAD SPACE OPTIONS | Narrow short, Narrow long, Wide |
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| DIESEL ENGINE | John Deere 4045, turbocharged, charge air cooled 4 cylinders, displacement 4.5 l / 275 cu.in. |
| Max. engine power | 95 kW (1,900 rpm) / 127 SAE hp |
| Torque | 540 Nm @ 1,400 rpm / 398 lb. ft. |
| Fuel tank | 110 l / 29 gal. U.S. |

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| WORKING HYDRAULICS | Load-sensing |
| Pump size | 90 cm ³ / 5.49 in ³ |
| Working pressure | 24 MPa / 3,480 psi |

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| TRANSMISSION | Hydrostatic-mechanical, 2-speed gear box |
| Axles / Bogies | Portal bogie axles with balancing system and diff lock |
| Tractive force | 110 kN / 24,728.98 lbf. |
| Travel speed, gear 1 | 0–7.5 km/h 0–4.7 mph |
| Travel speed, gear 2 | 0–23 km/h 0–14.3 mph |

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| CAB | Rotating or Rotating and leveling |
| Rotating angle | 290° |
| Sideways tilt | 10° |
| Forward/backward tilt | 6° |

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| OPTIONAL EQUIPMENT | See your local dealer for availability |
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