

FORWARDER

810E



Efficiency in thinning and soft ground applications

The new John Deere 810E Forwarder is an efficient and agile workhorse for thinning in wet and soft ground conditions, offering a solid nine-ton load capacity for more power and torque. Revolutionary new features include a rotating and leveling cabin and new TimberMatic™ automation for clear 360-degree visibility for safer, more ergonomic log loading.

The eight-wheel-drive 810E has larger work and drive pumps than its 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. The powerful CF1 boom is mounted on the front frame to maximize boom handling in narrow spaces and equalize weight distribution. And the wide tires and balanced bogie unit reduce ground impact to ease surface traction.

The 810E is powered by a 4.5-liter John Deere PowerTech™ Plus engine with high torque at low rpm. You can easily adjust machine control and settings 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 enables you to keep an eye on operating costs and track machine performance and efficiency.

All E-Series Forwarders are equipped with sturdy 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.

The revolutionary E-Series. Logging will never be the same again.

Measurements*	
Length [A]	324 in./8240 mm
Wheelbase [B+C]	171 in./4340 mm
Bogie center — middle joint [B]	77 in./1950 mm
Middle joint — bogie center [C]	94 in./2390 mm
Headboard — bogie center [D]	95 in./2420 mm
Bogie center — rear [E]	54 in./1380 mm
Width — 500 Series tires [F]	91 in./2300 mm
Width — 600 Series tires [F]	100 in./2530 mm
Width — 700 Series tires [F]	106 in./2680 mm
Turning angle	45°
Outer turning radius — 700 Series tires	269 in./6820 mm
Inner turning radius — 700 Series tires	150 in./3820 mm
Transport height	149 in./3780 mm
Load rating	9.9 short tons/9 tonnes
Ground clearance [G]	23 in./595 mm
Tires front	22.5 - 16
Tires rear	22.5 - 16
Machine weight	28,549 lb./12,950 kg
Approach angle	32°

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

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

Load Space Options	
	Narrow short, narrow long, wide

Diesel Engine	
	John Deere 4045, turbocharged, charge air cooled 4 cylinders, displacement 275 cu. in./4.5 L
Max. engine power	127 SAE hp (1,900 rpm)/95 kW
Torque	398 lb. ft. @1,400 rpm/540 Nm
Fuel tank	29 gal./110 L
Working Hydraulics	
	Load-sensing
Pump size	5.49 in. ³ /90 cm ³
Working pressure	3,480 psi/24 MPa
Transmission	
	Hydrostatic-mechanical, 2-speed gear box
Axles / Bogies	Portal bogie axles with balancing system and diff lock
Tractive force	24,728.98 lbf./110 kN
Travel speed, gear 1	0–4.7 mph/0–7.5 km/h
Travel speed, gear 2	0–14.3 mph/0–23 km/h
Cab	
	Rotating or rotating and leveling
Rotating angle	290°
Sideways tilt	10°
Forward/backward tilt	6°
Optional Equipment	
	See your local dealer for availability

