

HARVESTER

1170E



JOHN DEERE



New mid-sized all-around harvester

The John Deere 1170E starts a completely new wheeled harvester size class. In addition to the new ergonomic cabin, new TimberMatic™ automation, new frames, and many other improvements, the 1170E features a new CH6 parallel boom, new H414 and H412 harvester heads, a new bogie axle and a new 24.5-in. tire size for increased carrying capacity. The CH6 parallel boom provides excellent geometry for fast and precise boom movements. Its high lifting and slewing torques and excellent durability ensure great agility for both late thinning as well as final felling operations.

The 1170E is powered by a 194-hp (145 kW) and 6.8-liter John Deere PowerTech Plus™ engine which has high torque at low rpm for excellent fuel efficiency and power. The 1170E's superior maneuverability is further enhanced by a high ground clearance and a high tractive force.

The large rotating and tilt angles of the cabin make the operator's work enjoyable and give great visibility to the machine's surroundings. The TimberMatic H-09 measuring and control system includes fully integrated machine diagnostics and bucking instructions, and ensures easy machine operation. The exclusive TimberLink™ software enables easy machine performance follow-up and optimization.

Uptime is enhanced by reduced need for daily and other checks and service actions. The new hydraulic fan reverses automatically, cleaning dust and debris out of the engine cooler. The engine air filter includes pre-filtering which multiplies the filter lifetime. An optional central lubrication system further reduces the time spent on daily maintenance.

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

Measurements*	
Length [A]	279 in./7080 mm
Front axle — middle joint [B]	77 in./1950 mm
Rear axle — middle joint [C]	69 in./1750 mm
Wheelbase [B+C]	146 in./3700 mm
Tires, front	24.5 - 20
Tires, rear	34 - 14
Width — 650 Series tires [D]	107 in./2720 mm
Width — 710 Series tires [D]	109 in./2780 mm
Outer turning radius — 710 tires	239 in./6065 mm
Inner turning radius — 710 tires	123 in./3130 mm
Transport height	144 in./3655 mm
Ground clearance [E]	24 in./600 mm
Machine weight	39,460 lb./17,900 kg

* With H574 harvester head

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

Boom	
Gross lifting torque	121,700 lb./165 kNm
Slewing torque	33,200 lb. ft./45 kNm
Max. reach	32.8/37.1 ft 10/11.3 m
Slewing angle	220°
Tilt angle backward/forward	14°/+28°

Harvester Head Options	
	H752, H754, H412, H414

Diesel Engine	
	John Deere 6068HTJ Turbocharged, charge air cooled 6 cylinders, displacement 6.8 L
Max. engine power	194 hp (1,500–2,000 rpm)/145 kW
Torque	690 lb. ft. @ 1,400 rpm/935 Nm
Fuel tank	85 gal./320 L

Working Hydraulics	
	Load-sensing
Pump size	9.8 in. ³ /160 cm ³
Working pressure	3,480/4,060 psi 24/28 MPa

Transmission	
	Hydrostatic-mechanical, 2-speed gear box
Axles/Bogies	Hydromechanical differential lock at the front and the rear
Front	Balanced portal bogie
Rear	Single rigid axle
Tractive force	33,700 lb. ft./150 kN
Steering angle	44°

Cab	
	Leveling and rotating (std), fixed cab (option)
Side tilt	0–17°
Front/back tilt	0–10°
Rotating angle	160°

Measuring and Control	
	TimberMatic H-09

Optional Equipment	
	Check availability from your local dealer

