



JOHN DEERE
Nothing Runs Like A Deere™

1170E



John Deere 1170E – 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. 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 H414 and H412 harvester heads have been particularly designed for the mid-sized E-series harvesters and feature excellent power-to-weight ratio and compact size. The John Deere-exclusive 24.5 in. tires provide great carrying capacity as well as driving comfort.

The 1170E is powered by a 194 hp (145 kW) and 6.8 liter John Deere PowerTech Plus™ engine which is characterized by high torque at low rpm's, thus ensuring 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, together with the accurate and smooth movements

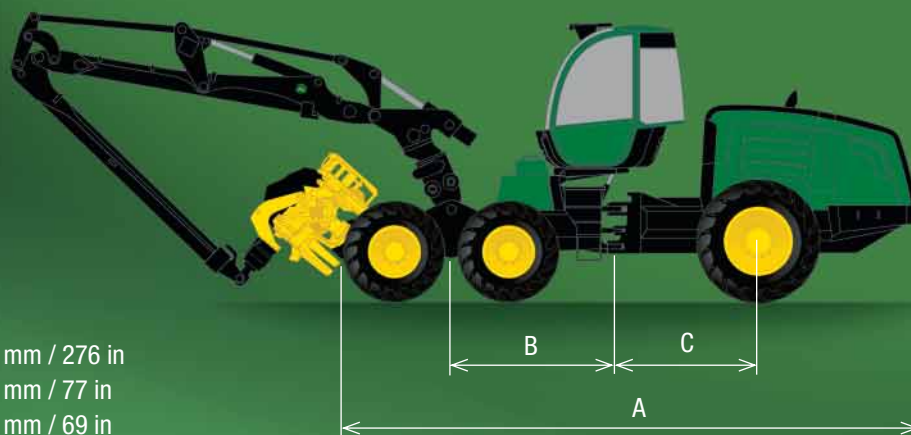
of the cabin, make the operator's work enjoyable and give great visibility to the machine's surroundings. The TimberMatic H-09 measuring and control system includes fully integrated machine diagnostics and bucking instructions, and ensures easy operation of the machine as well as easy setting of the operator specific parameters. 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.

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1170E



MEASUREMENTS *

Length [A]	7005 mm / 276 in
Front axle - middle joint [B]	1950 mm / 77 in
Rear axle - middle joint [C]	1750 mm / 69 in
Wheelbase [B+C]	3700 mm / 146 in
Tires, front	24,5 - 20
Tires, rear	34 - 14
Width - 650 series tires[D]	2775 mm / 109 in
Width - 710 series tires [D]	2820 mm / 111 in
Outer turning radius - 710 tyres	6065 mm / 239 in
Inner turning radius - 710 tyres	3130 mm / 123 in
Transport height	3605 mm / 142 in
Ground clearance [E]	635 mm / 25 in
Machine weight	16,700 kg / 36,800 lbs



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

BOOM

Gross lifting torque	CH6 157 kNm / 115,800 lbs. ft
Slewing torque	45 kNm / 33,200 lbs. ft
Max. reach	10/11.3 m / 32.8/37.1 ft
Slewing angle	220°
Tilt angle, backwards / forwards	-14° / +28°

HARVESTER HEAD OPTIONS

H752, 745, H754, H412, H414

DIESEL ENGINE

	John Deere 6068HTJ
	Turbocharged, charge air cooled
	6 cylinders, displacement 6.8 l
Max. Engine Power	145 kW (1500...2000 rpm) / 194 hp
Torque	935 Nm @ 1400 rpm / 690 lbs. ft
Fuel tank	320 l / 85 gal

WORKING HYDRAULICS

	Load-sensing
Pump size	160 cm ³ / 9.8 in ³
Working pressure	24/28 MPa / 3480/4060 PSI

TRANSMISSION

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

CAB

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

MEASURING AND CONTROL

TimberMatic H-09

OPTIONAL EQUIPMENT

Check availability from your local dealer