



# 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.

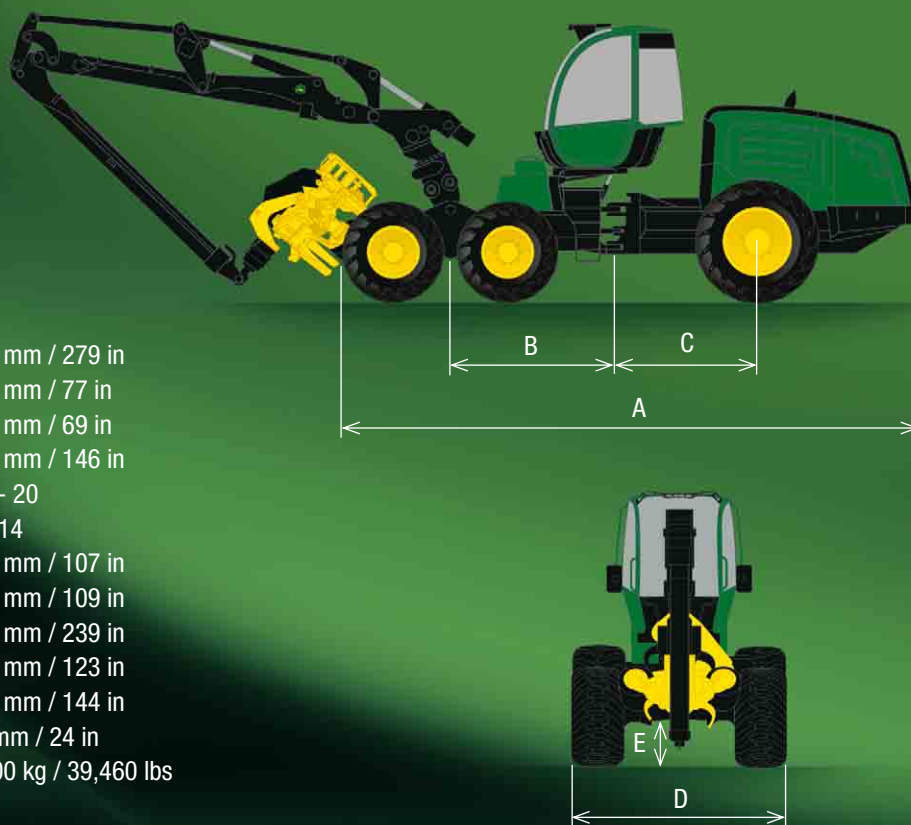
The 1170E is powered by a 194 hp (145 kW) and 6.8 liter John Deere PowerTech Plus™ engine which is characterized by high torque at low rpm's, thus ensuring excellent fuel efficiency and power. The 1170E's superior maneuverability is further enhanced by a high ground clearance and a high tractive force.

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.

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## MEASUREMENTS \*

Length [A]	7080 mm / 279 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]	2720 mm / 107 in
Width - 710 series tires [D]	2780 mm / 109 in
Outer turning radius - 710 tyres	6065 mm / 239 in
Inner turning radius - 710 tyres	3130 mm / 123 in
Transport height	3655 mm / 144 in
Ground clearance [E]	600 mm / 24 in
Machine weight	17,900 kg / 39,460 lbs

\* with H754 harvester head

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

## BOOM

	CH6
Gross lifting torque	165 kNm / 121,700 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, 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 <sup>3</sup> / 9.8 in <sup>3</sup>
Working pressure	24/28 MPa / 3480/4060 PSI

## 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	150 kN / 33,700 lbs. ft
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

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