



# 1070E



## John Deere 1070E – The most productive thinning harvester

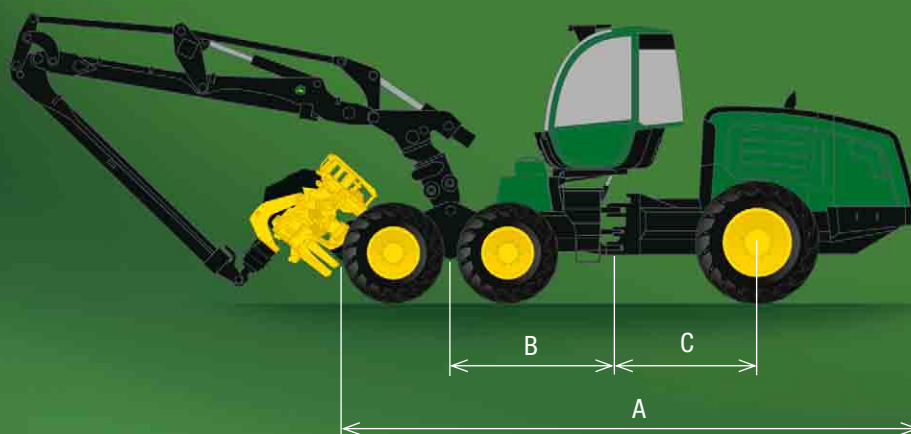
The John Deere 1070E – configured either as a four or six-wheeler version – offers a highly ergonomic, agile and productive harvester especially for early and late thinnings. In addition to the all-new cabin, new TimberMatic automation, new frames and many other improvements, the 1070E features a powerful 180S parallel boom, new H414 and H412 harvester heads and more powerful working lights. The boom's lifting torque has been increased by 1800 lbf (8 kN) in comparison to 1070D. 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 1070E is powered by a 182 hp (136 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. Great tractive force combined with high ground clearance and a small turning radius makes the 1070E easily maneuverable in difficult terrain, including thick undergrowth and deep snow, with the six-wheeler showing its strength on soft ground and slopes.

The large rotating and tilt angles of the cabin, together with the more accurate and smoother movements of the cabin, make the operator's work enjoyable and give greater 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 \*

	4-wheel	6-wheel
Length [A]	6335 mm / 249 in	6820 mm / 269 in
Front axle - middle joint [B]	1850 mm / 73 in	1850 mm / 73 in
Rear axle - middle joint [C]	1750 mm / 69 in	1750 mm / 69 in
Wheelbase [B+C]	3600 mm / 142 in	3600 mm / 142 in
Tires, front	34-14 / 26,5-12 / 26,5-20	22,5-16
Tires, rear	34-14 / 26,5-12 / 26,5-20	34-14 / 26,5-12 / 26,5-20
Width - 600 series tires [D]	2600 mm / 103 in	N/A (6 w)
Width - 650 series tires [D]	2710 mm / 107 in	2570 mm / 101 in
Width - 700 series tires [D]	2780 mm / 109 in	N/A (6 w)
Width - 710 series tires [D]	N/A (4 w)	2800 mm / 110 in
Outer turning radius – Wide tires	5815 mm / 229 in	5950 mm / 233 in
Inner turning radius – Wide tires	3080 mm / 121 in	3020 mm / 119 in
Transport height	3610 mm / 142 in	3630 mm / 143 in
Ground clearance [E]	560 mm / 22 in	580 mm / 22.8 in
Machine weight	14,850 kg / 32,745 lbs	15,550 kg / 34,180 lbs

\* with 745 harvester head



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

BOOM	180S
Gross lifting torque	143 kNm / 105,500 lbs. ft
Slewing torque	38 kNm / 28,000 lbs. ft
Max. reach	8.6/10/10.8 m / 28.3/32.9/35.5 ft
Slewing angle	220°
Tilt angle, backwards / forwards	-14° / +28°

HARVESTER HEAD OPTIONS	H752, 745, H754, H412, H414
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DIESEL ENGINE	John Deere 6068HTJ
	Turbocharged, charge air cooled
	6 cylinders, displacement 6.8 l
Max. Engine Power	136 kW (1900 rpm) / 182 hp
Torque	780 Nm @ 1400 rpm / 575 lbs. ft
Fuel tank	320 l / 85 gal

WORKING HYDRAULICS	Load-sensing
Pump size	145 cm <sup>3</sup> / 8.6 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	Single rigid axle (4W), balanced portal bogie (6W)
Rear	Single rigid axle
Tractive force	130 kN / 29,200 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
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OPTIONAL EQUIPMENT	Check availability from your local dealer
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