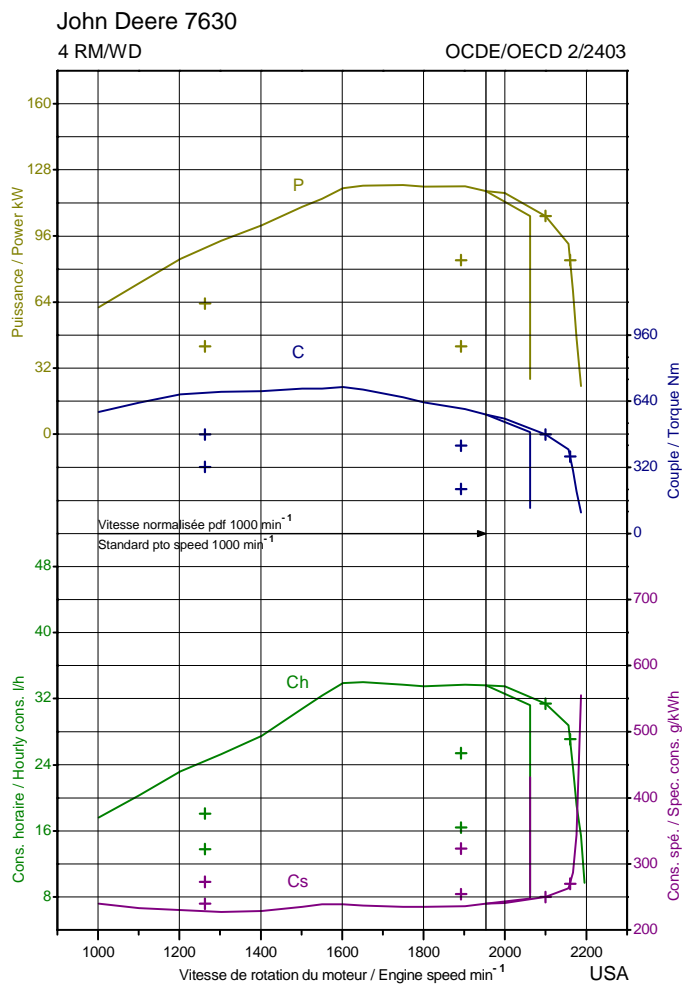




OECD approval number 2/2 403
OECD approval date 14/03/2008
Make John Deere
Model 7630
Type 4 WD
 AutoQuad Plus - MFWD - 40 km/h
Manufacturer John Deere Tractor Works
Testing station: Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	PE6068HRW64
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6784 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>		20 20
<i>Speed at rated engine speed</i>		from 2.41 to 39.42 km/h
<u>Standard Power take-off speed</u>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		582 min ⁻¹ 1077 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off Test

Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	120.7 kW	1750 min ⁻¹	896 min ⁻¹
<i>Hourly and specific consumption</i>		33.75 l/h	235 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	105.6 kW	2100 min ⁻¹	1075 min ⁻¹
<i>Hourly and specific consumption</i>		31.44 l/h	250 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	117.8 kW	1953 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		33.62 l/h	240 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		710.0 Nm	1602 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	380/85 R 30	480/80 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7768 kg	9067 kg
<i>Maximum drawbar pull</i>	70.6 kN	87.9 kN
<i>at speed of</i>	3.90 km/h	3.30 km/h
<i>Maximum power</i>	108.7 kW	108.8 kW
<i>at speed of</i>	9.67 km/h	7.46 km/h

Hydraulic Performance and Power Lift Test

Hydraulic system Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	116.6 l/min	16.3 MPa	31.7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	113.6 l/min	19.1 MPa	36.2 kW

Maximum lifting force

<i>at the hitch points, at frame (Cat. 3, Euro, 2xØ 90 mm cylinders)</i>	55.2 kN	60.6 kN
<i>at the hitch points, at frame (Cat. 3, Euro, 2xØ 100 mm cylinders)</i>	69.6 kN	75.1 kN
<i>at the hitch points, at frame (Cat. 3, 2xØ 90 mm cylinders)</i>	53.1 kN	48.9 kN
<i>at the hitch points, at frame (Cat. 3, 2xØ 100 mm cylinders)</i>	75.2 kN	69.3 kN

