



OECD approval number

2/2 037

Restricted Code

OECD approval date

22/01/2003

Make

John Deere

Model

6320

Type

4 WD

PowrQuad Plus - 40 km/h

Manufacturer

Deere & Company

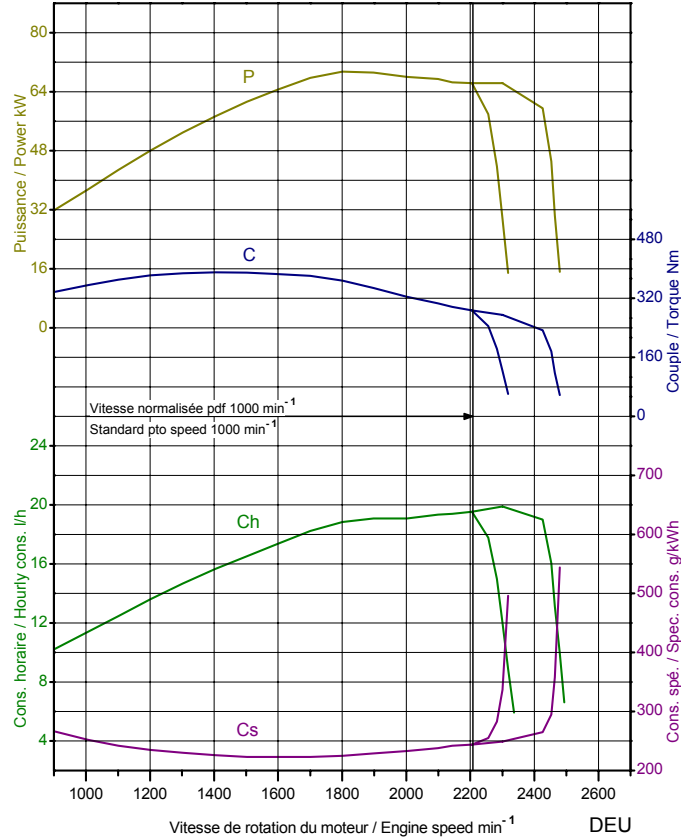
Testing station:

DLG, Gross-Umstadt, Germany

John Deere 6320

4 RM/WD

OCDE/OECD 2/2037



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	John Deere	4045HL072 (DD16231)	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	4	vertical in line	
<i>Capacity, Cooling</i>	4525 cm <sup>3</sup>	Liquid	
<i>Gear box</i>		Mechanical	
<i>Number of forward and reverse speeds</i>		24	24
<i>Speed at rated engine speed</i>		from 1.58	to 39.93 km/h
<u>Standard Power take-off speed</u>		<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		580 min <sup>-1</sup>	1042 min <sup>-1</sup>
<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>	69.4 kW	1801 min <sup>-1</sup>	816 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		18.84 l/h	225 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	66.3 kW	2300 min <sup>-1</sup>	1042 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		19.90 l/h	249 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	66.3 kW	2205 min <sup>-1</sup>	999 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		19.55 l/h	244 g/kWh

Torque rise

<u>Maximum torque. Engine speed corresponding</u>		390.0 Nm	1404 min <sup>-1</sup>
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**Drawbar Test***Front tyres, Rear tyres*

540/65 R 24 600/65 R 38

Test with tractorunballasted ballasted*Total Mass*

5270 kg

*Maximum drawbar pull*

51.9 kN

*at speed of*

3.64 km/h

*Not required**Maximum power*

59.2 kW

*in**at speed of*

6.91 km/h

*Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power*

64.5 l/min

18.5 MPa

19.9 kW

Maximum lifting force*at hitch points, at frame*

33.8 kN

31.5 kN

