



OECD approval number

2/2 125

OECD approval date

Restricted Code

14/05/2004

Make

John Deere

Model

6320

Type

4 WD

NA - PowrQuad Plus - TIER 2 - 30 km/h

Manufacturer

Deere & Company

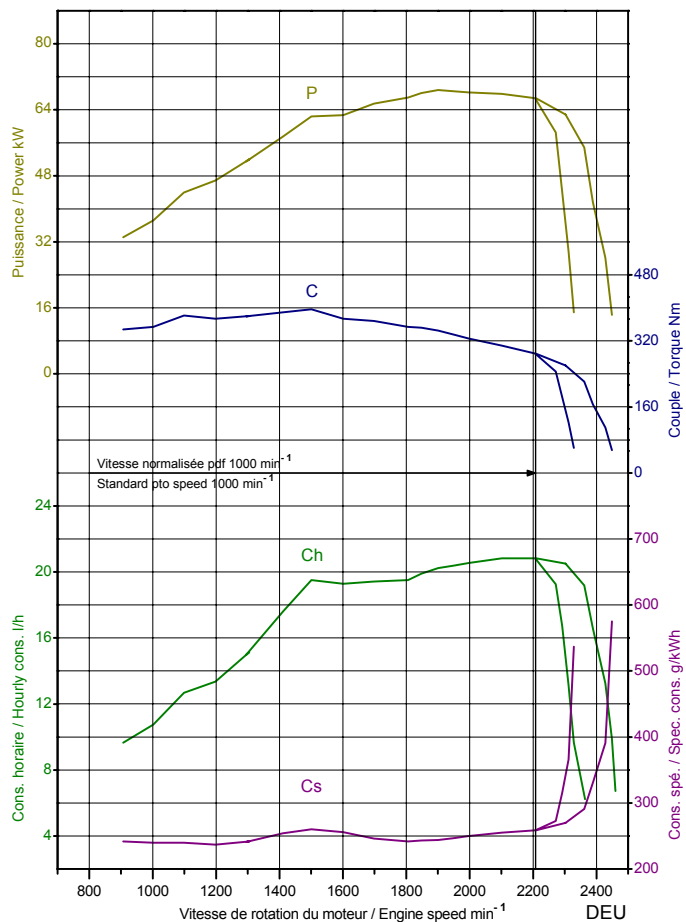
Testing station:

DLG, Gross-Umstadt, Germany

John Deere 6320

4 RM/WD

OCDE/OECD 2/2125



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HL270
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2.55	to 30.60 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>	580 min ⁻¹	1042 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	68.8 kW	1901 min ⁻¹	861 min ⁻¹
<i>Hourly and specific consumption</i>		20.24 l/h	244 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	62.9 kW	2303 min ⁻¹	1043 min ⁻¹
<i>Hourly and specific consumption</i>		20.51 l/h	270 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	66.6 kW	2208 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		20.80 l/h	259 g/kWh

Torque rise

		52.1 %	
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Maximum torque, Engine speed corresponding

397.0 Nm	1501 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

16.9 - 24	18.4 - 38
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Test with tractor

<u>unballasted</u>	<u>ballasted</u>
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Total Mass

4600 kg

Maximum drawbar pull

36.9 kN

at speed of

5.11 km/h	<i>Not required</i>
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Maximum power

57.8 kW

at speed of

9.57 km/h	<i>Code 2</i>
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	103.2 l/min	17.5 MPa	30.1 kW
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Maximum lifting force

<i>at hitch points, at frame</i>	25.2 kN	22.5 kN
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