



OECD approval number

2/2 007

Restricted Code

OECD approval date

18/10/2002

Make

John Deere

Model

6420

Type

4 WD

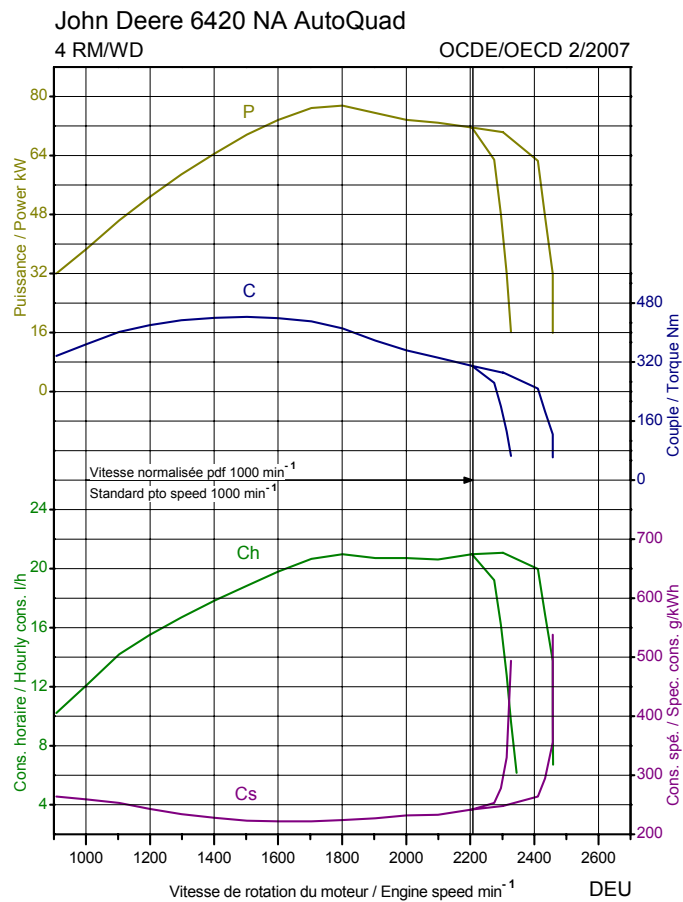
NA - AutoQuad - 40 km/h

Manufacturer

Deere & Company

Testing station:

DLG, Gross-Umstadt, Germany



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045HL070
<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>	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⁻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>	77.5 kW	1801 min ⁻¹	816 min ⁻¹
<i>Hourly and specific consumption</i>		20.99 l/h	224 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	70.3 kW	2302 min ⁻¹	1043 min ⁻¹
<i>Hourly and specific consumption</i>		21.09 l/h	248 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	71.6 kW	2205 min ⁻¹	999 min ⁻¹
<i>Hourly and specific consumption</i>		20.99 l/h	242 g/kWh

Torque rise

51.4 %

Maximum torque, Engine speed corresponding442.0 Nm 1503 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

16.9 - 24 18.4 - 38

Test with tractorunballasted ballasted*Total Mass*

5040 kg

Maximum drawbar pull

44.1 kN

Not

at speed of

4.62 km/h

required

Maximum power

63.2 kW

in

at speed of

9.26 km/h

Code 2

Power Lift and Hydraulic Performance Test*Hydraulic system*

Closed centre

Maximum lifting force at hitch points, at frame

29.3 kN

25.9 kN

At maximum hydraulic power*Flow rate, Pressure, Power* 102.4 l/min

18.5 MPa

31.6 kW

