



OECD approval number

2/2 081

Restricted Code

OECD approval date

16/09/03

Make

John Deere

Model

7420

Type

4 WD

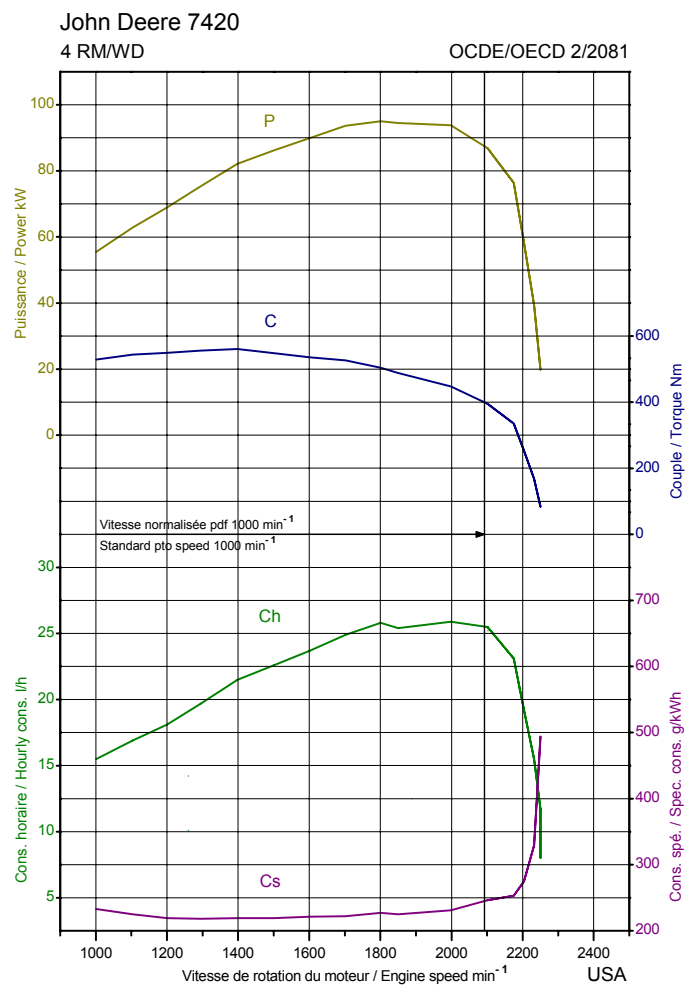
PowrQuad Plus - MFWD - 40 km/h

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	6068HRW01
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>	20	20
<i>Speed at rated engine speed</i>	from 2.41	to 38.48 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>	568 min ⁻¹	1003 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>	95.0 kW	1801 min ⁻¹	860 min ⁻¹
<i>Hourly and specific consumption</i>		25.79 l/h	227 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	86.9 kW	2101 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		25.53 l/h	246 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	86.9 kW	2101 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		25.53 l/h	246 g/kWh

Torque rise

42.0 %

Maximum torque. Engine speed corresponding561.0 Nm 1398 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

380/85 R 28 480/80 R 38

Test with tractorunballasted ballasted*Total Mass*

5851 kg 7026 kg

Maximum drawbar pull

57.5 kN 65.1 kN

at speed of

3.87 km/h 3.71 km/h

Maximum power

83.9 kW 84.6 kW

at speed of

8.12 km/h 8.15 km/h

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power*Flow rate, Pressure, Power (couplers: 1 pair)* 110.2 l/min 15.9 MPa 29.2 kW*Flow rate, Pressure, Power (couplers: 2 pairs or +)* 115.1 l/min 17.3 MPa 33.1 kWMaximum lifting force*at hitch points, at frame (Cat. 2, 2 x Ø 80 mm cylinders)* 53.8 kN 35.2 kN*at hitch points, at frame (Cat. 2, 2 x Ø 85 mm cylinders)* 60.7 kN 39.9 kN*at hitch points, at frame (Cat. 3N, 2 x Ø 80 mm cylinders)* 53.4 kN 35.4 kN*at hitch points, at frame (Cat. 3N, 2 x Ø 85 mm cylinders)* 60.6 kN 39.9 kN