



OECD approval number

2/1 961

Restricted Code

OECD approval date

19/06/2001

Make

John Deere

Model

7610

Type

4 WD

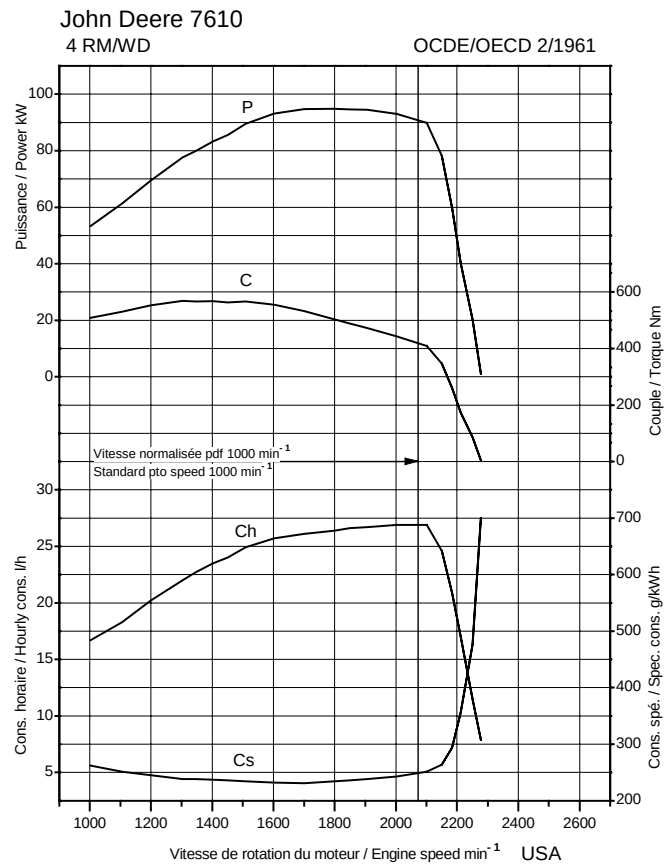
PowrQuad - MFWD - 20 speeds - 40 km/h

Manufacturer

John Deere Waterloo Works

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6068TRW72
<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 39.42 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	547 min ⁻¹	1007 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>	94.6 kW	1850 min ⁻¹	886 min ⁻¹
<i>Hourly and specific consumption</i>		26.56 l/h	236 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	90.0 kW	2101 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		26.90 l/h	251 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	90.0 kW	2101 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		26.90 l/h	251 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	569.0 Nm	1303 min ⁻¹	39.1 %
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Drawbar Test*Front tyres, Rear tyres*

<i>Test with tractor</i>	14.9 - 30	18.4 - 42
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Total Mass

<i>Maximum drawbar pull</i>	6599 kg	
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at speed of

<i>Maximum power</i>	66.4 kN	Not
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at speed of

	3.78 km/h	required
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Power Lift and Hydraulic Performance Test*Hydraulic system*

<i>Maximum lifting force at hitch points, at frame</i>	49.4 kN	Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	95.4 l/min	16.6 MPa	26.3 kW
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