



OECD approval number

1 700

Restricted Code

OECD approval date

03/11/1997

Make

John Deere

Model

7610 H

Type

4 WD

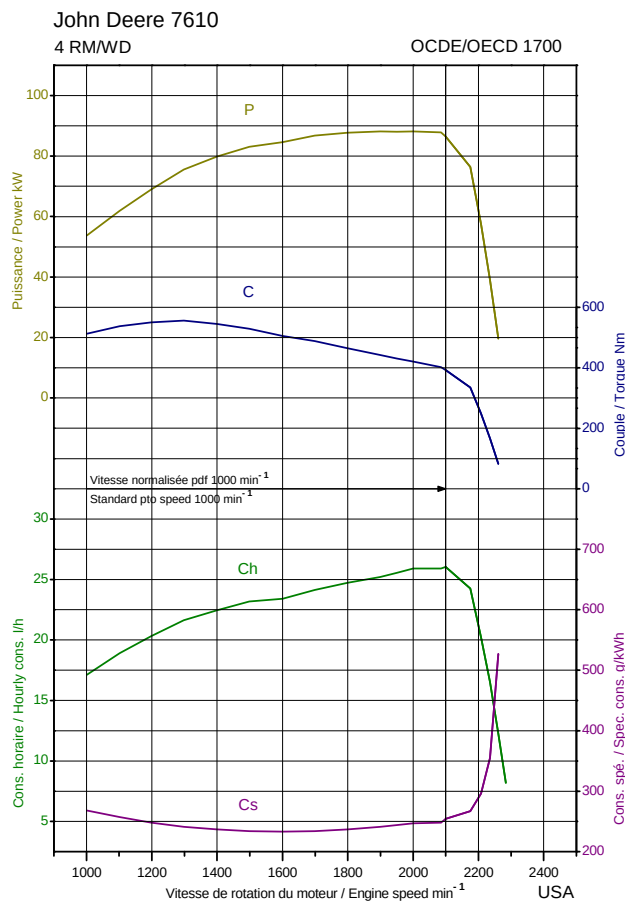
MFWD - PowerQuad - 30 km/h

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	6068TRW52
<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 powershift
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2.27	to 28.09 km/h
<i>Standard Power take-off speed</i>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<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>	88.1 kW	1950 min ⁻¹	935 min ⁻¹
<i>Hourly and specific consumption</i>		25.59 l/h	244 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	86.5 kW	2100 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		26.07 l/h	254 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	86.5 kW	2100 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		26.07 l/h	254 g/kWh

Torque rise

41.5 %

Maximum torque, Engine speed corresponding556.0 Nm 1298 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

13.6 R 28 18.4 R 38

Test with tractorunballasted ballasted*Total Mass*

6568 kg

Maximum drawbar pull

60.5 kN

Not

at speed of

3.64 km/h

required

Maximum power

78.8 kW

in

at speed of

8.41 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

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

93.1 l/min

17.7 MPa

27.5 kW

Maximum lifting force*at hitch points, at frame*

49.4 kN

45.2 kN

