

OECD approval number

1 714

Restricted Code

OECD approval date

04/12/1997

Make

John Deere

Model

7810

Type

4 WD

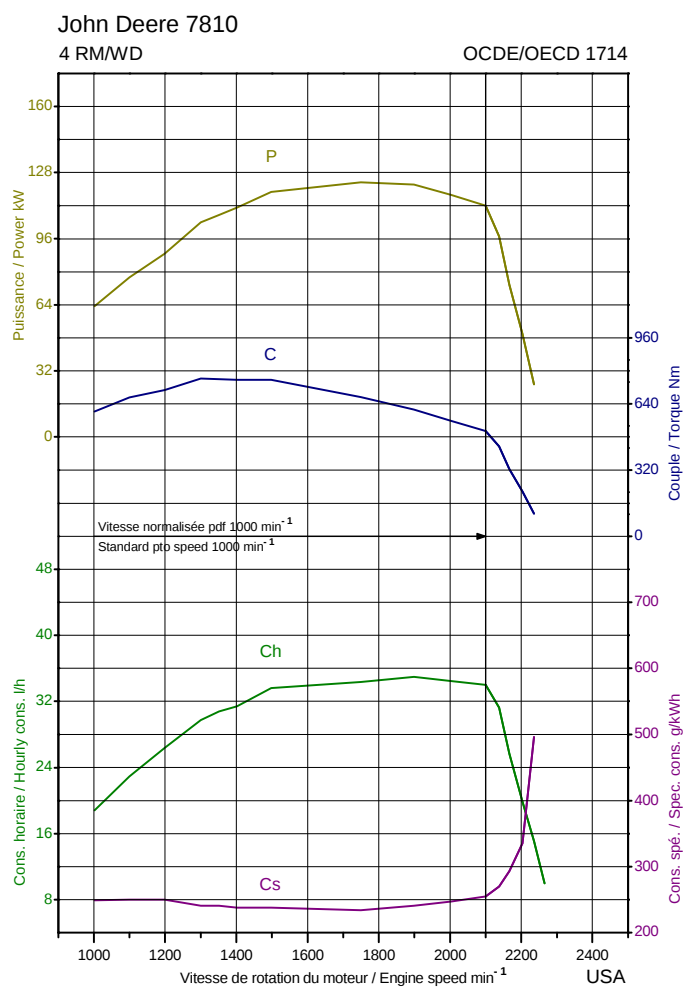
MFWD - Powershift - 40 km/h

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	6081TRW02
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8132 cm ³	Liquid
<i>Gear box</i>		Mechanical powershift
<i>Number of forward and reverse speeds</i>	19	7
<i>Speed at rated engine speed</i>	from 1.60	to 38.99 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>	123.4 kW	1750 min ⁻¹	839 min ⁻¹
<i>Hourly and specific consumption</i>		34.35 l/h	234 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	112.0 kW	2100 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		34.01 l/h	255 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	112.0 kW	2100 min ⁻¹	1007 min ⁻¹
<i>Hourly and specific consumption</i>		34.01 l/h	255 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	673.0 Nm	1750 min ⁻¹	32.2 %
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Drawbar Test*Front tyres, Rear tyres*

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

<i>Maximum drawbar pull</i>	7060 kg	
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at speed of

<i>Maximum power</i>	70.0 kN	Not
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at speed of

	4.18 km/h	required
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	106.2 kW	in
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	7.57 km/h	Code 2
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