

OECD approval number

2/1 748

Restricted Code

OECD approval date

16/04/1998

Make

John Deere

Model

7210

Type

4 WD

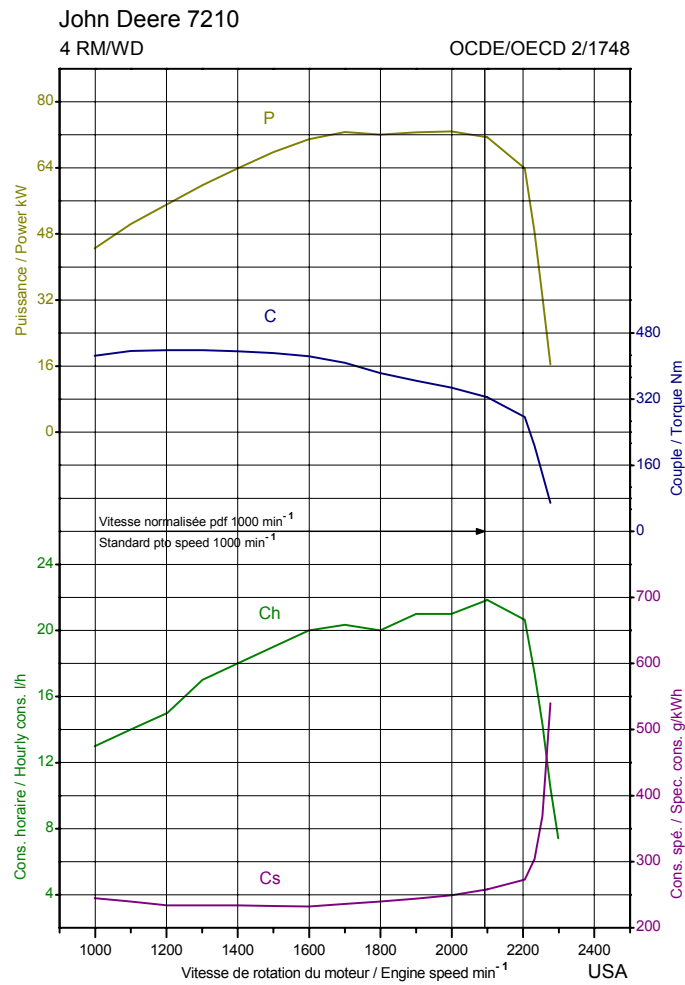
MFWD - SyncroPlus

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	6068TRW50
<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>	12	4
<i>Speed at rated engine speed</i>	from 2.30	to 29.71 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	545 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>	72.7 kW	1700 min ⁻¹	810 min ⁻¹
<i>Hourly and specific consumption</i>		20.35 l/h	236 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	71.4 kW	2100 min ⁻¹	1002 min ⁻¹
<i>Hourly and specific consumption</i>		21.85 l/h	258 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	71.4 kW	2100 min ⁻¹	1002 min ⁻¹
<i>Hourly and specific consumption</i>		21.85 l/h	258 g/kWh

Torque rise

			35.1 %
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Maximum torque, Engine speed corresponding

		439.0 Nm	1202 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

	14.9 R 28	18.4 R 38
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Test with tractor

	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	5746 kg	
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Maximum drawbar pull

	59.0 kN	Not
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at speed of

	2.99 km/h	required
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Maximum power

	64.5 kW	in
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at speed of

	7.29 km/h	Code 2
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Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	96.5 l/min	17.4 MPa	28.1 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		46.5 kN	30.5 kN
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