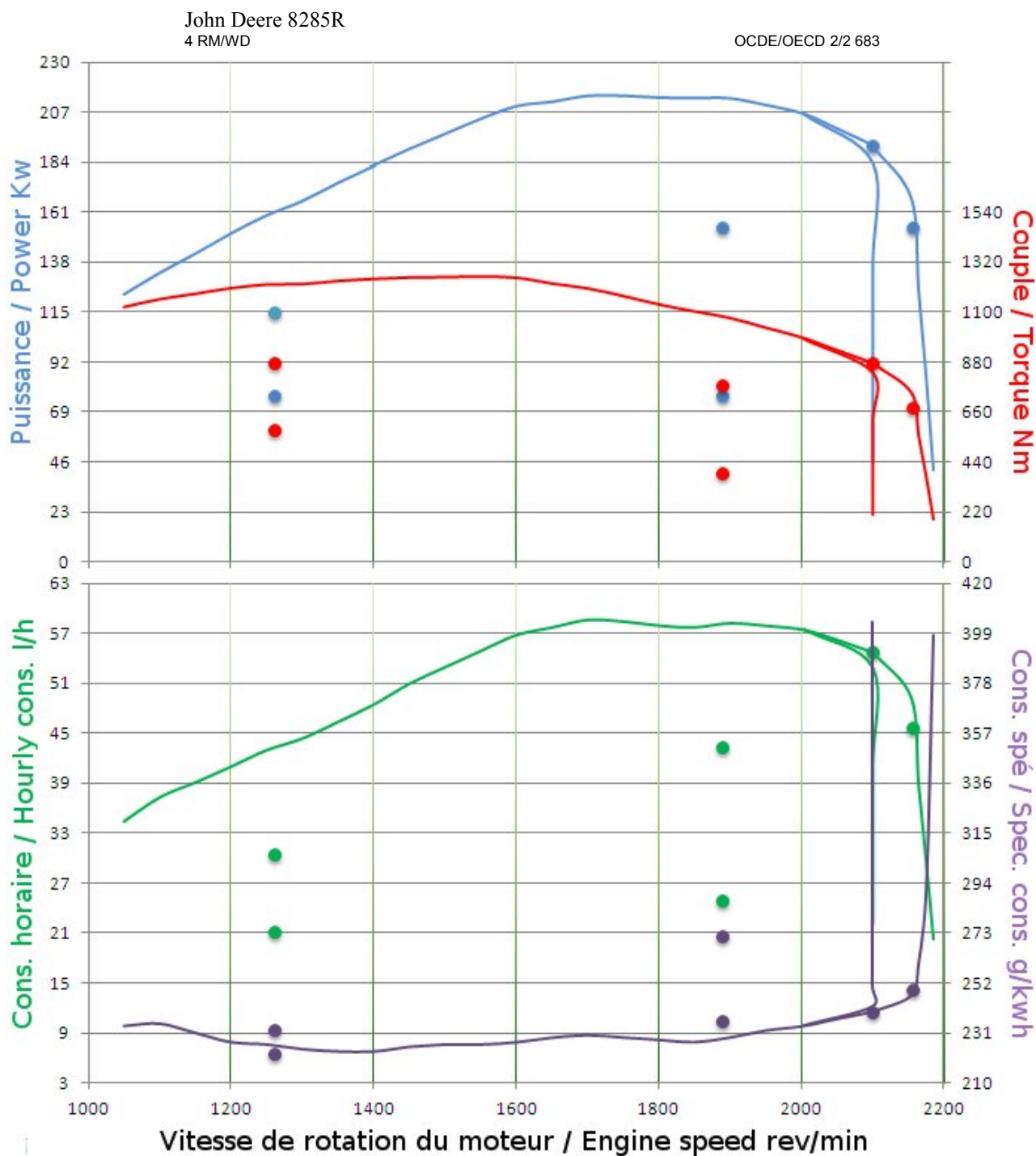




OECD approval number  
OECD approval date  
Make  
Model  
Type

Manufacturer:  
Testing station:

2/2 683  
27/02/2012  
John Deere  
8285R  
4WD  
Full Power Shift - 40 km/h  
John Deere Tractor Works  
Nebraska Tractor Test Laboratory  
Lincoln, Nebraska U.S.A.



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	John Deere	6090RW414
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	8984 cm <sup>3</sup>	Liquid
<i>Gear box</i>		Full Power Shift
<i>Number of forward and reverse speeds</i>	16	4
<i>Speed at rated engine speed</i>	from 1,88	to 39,13 km/h
<i>Standard Power take-off speed</i>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>		1048 min <sup>-1</sup>
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Applicable	20

**Power take-off Test**One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	214,40 kW	1700 min <sup>-1</sup>	849 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		58,71 l/h	230 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	191,90 kW	2099 min <sup>-1</sup>	1048 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		54,85 l/h	240 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	206,15 kW	2003 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		57,46 l/h	234 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1256 Nm	1551 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	420/85R34	480/80R50
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	11490 kg	
<i>Maximum drawbar pull</i>	100,81 kN	
<i>at speed of</i>	4,86 km/h	Not
<i>Maximum power</i>	187,43 kW	Applicable
<i>at speed of</i>	9,71 km/h	

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>			Closed centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	138,4 l/min	15,05 MPa	34,7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	242,8 l/min	16,58 MPa	67,1 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		87,1 kN	84,4 kN