



OECD approval number

2/1 769

Restricted Code

OECD approval date

24/08/1998

Make

John Deere

Model

9400

Type

Articulated 4 WD with dual wheels

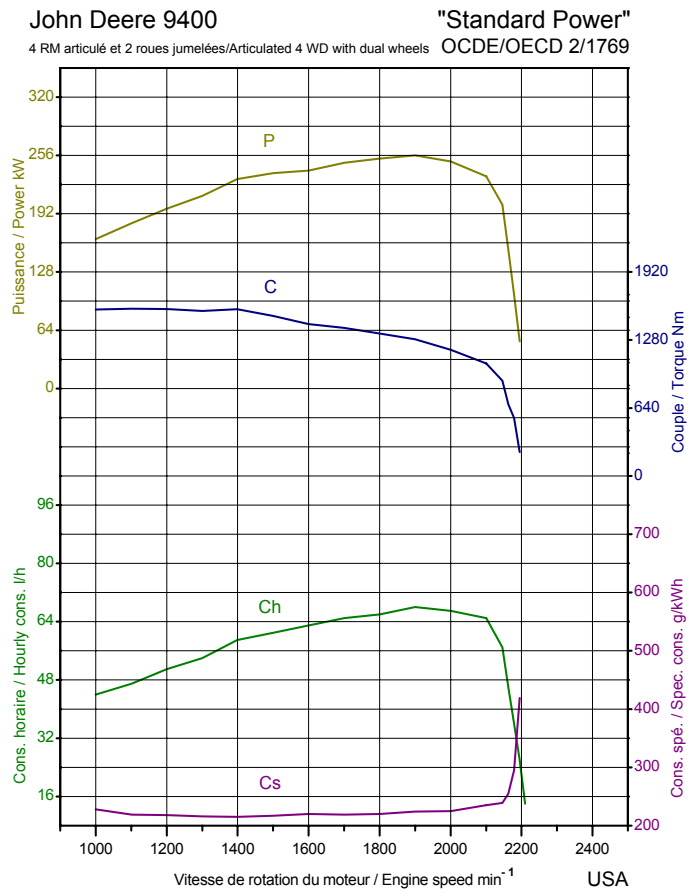
PowrSync

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	6125HRW02
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	12535 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	24	6
<i>Speed at rated engine speed</i>	from 3.36	to 35.56 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		1108 min ⁻¹
<i>Diameter of the shaft</i>		44.5 mm
<i>Number of splines</i>		20

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	256.1 kW	1900 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		68.23 l/h	224 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	232.9 kW	2100 min ⁻¹	1108 min ⁻¹
<i>Hourly and specific consumption</i>		65.11 l/h	235 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	256.1 kW	1900 min ⁻¹	1003 min ⁻¹
<i>Hourly and specific consumption</i>		68.23 l/h	224 g/kWh

Torque rise

		48.7 %
--	--	--------

Maximum torque, Engine speed corresponding

1575.0 Nm	1101 min ⁻¹
-----------	------------------------

Drawbar Test*Front tyres, Rear tyres*

620/70 R 42	620/70 R 42
-------------	-------------

Test with tractor

<u>unballasted</u>	<u>ballasted</u>
--------------------	------------------

Total Mass

16894 kg	18729 kg
----------	----------

Maximum drawbar pull

170.6 kN	181.3 kN
----------	----------

at speed of

4.00 km/h	3.97 km/h
-----------	-----------

Maximum power

276.4 kW	279.0 kW
----------	----------

at speed of

8.88 km/h	8.08 km/h
-----------	-----------

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	152.2 l/min	17.6 MPa	44.6 kW
-----------------------------------	-------------	----------	---------

Maximum lifting force

<i>at hitch points, at frame</i>	62.2 kN	58.3 kN
----------------------------------	---------	---------