

OECD approval number

2/1 768

Restricted Code

OECD approval date

24/08/1998

Make

John Deere

Model

9300

Type

Articulated 4 WD with dual wheels

Syncro - 12 speeds

Manufacturer

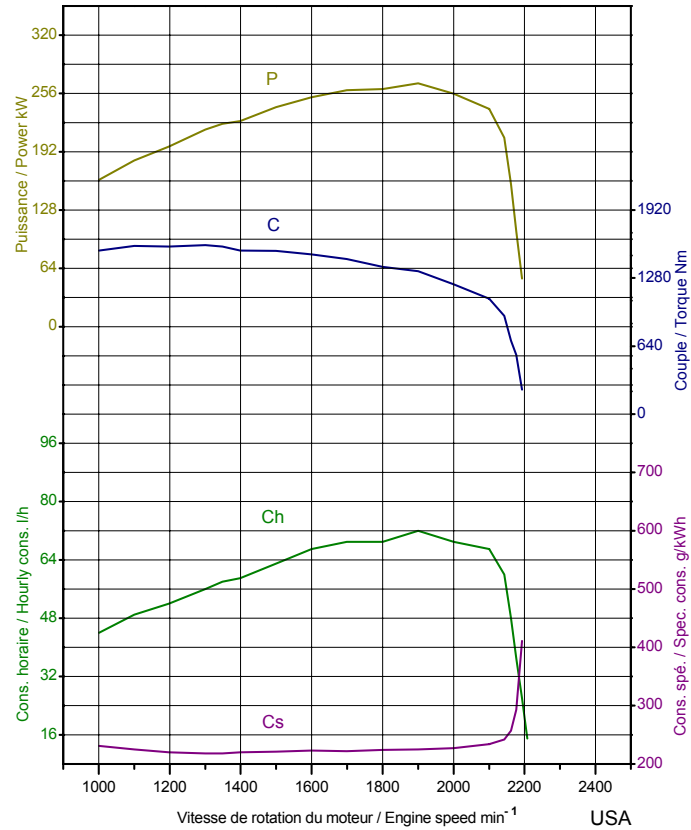
John Deere Tractor Works

Testing station:

Nebraska Tractor Test Laboratory, Lincoln, USA

### John Deere 9300

4 RM articulé et 2 roues jumelées/Articulated 4 WD with dual wheels OCDE/OECD 2/1768



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

|                                                   |                             |                              |
|---------------------------------------------------|-----------------------------|------------------------------|
| <i>Make, Model</i>                                | John Deere                  | 6125HRW01                    |
| <i>Type, Supercharging</i>                        | Direct injection            | Yes                          |
| <i>Cylinders, Disposition</i>                     | 6                           | vertical in line             |
| <i>Capacity, Cooling</i>                          | 12535 cm <sup>3</sup>       | Liquid                       |
| <i>Gear box</i>                                   |                             | Mechanical                   |
| <i>Number of forward and reverse speeds</i>       | 12                          | 3                            |
| <i>Speed at rated engine speed</i>                | from 3.36                   | to 29.66 km/h                |
| <u>Standard Power take-off speed</u>              | <u>540 min<sup>-1</sup></u> | <u>1000 min<sup>-1</sup></u> |
| <i>Power take-off speed at rated engine speed</i> |                             | 1108 min <sup>-1</sup>       |
| <i>Diameter of the shaft</i>                      |                             | 44.5 mm                      |
| <i>Number of splines</i>                          |                             | 20                           |

**Power take-off Test**Two hours test at maximum power

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 267.2 kW | 1900 min <sup>-1</sup> | 1003 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 71.58 l/h              | 225 g/kWh              |

Test at maximum power at rated engine speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 239.0 kW | 2100 min <sup>-1</sup> | 1109 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 66.53 l/h              | 234 g/kWh              |

Test at standard Power take-off speed

|                                               |          |                        |                        |
|-----------------------------------------------|----------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 267.2 kW | 1900 min <sup>-1</sup> | 1003 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |          | 71.58 l/h              | 225 g/kWh              |

Torque rise

|  |  |        |
|--|--|--------|
|  |  | 46.3 % |
|--|--|--------|

Maximum torque, Engine speed corresponding

|           |                        |
|-----------|------------------------|
| 1590.0 Nm | 1300 min <sup>-1</sup> |
|-----------|------------------------|

**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*

16844 kg

*Maximum drawbar pull*

164.8 kN

*at speed of*4.01 km/h *Not required**Maximum power*

236.7 kW

*at speed of*

8.98 km/h

*in Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Closed centre

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

149.9 l/min

16.9 MPa

42.2 kW

Maximum lifting force*at hitch points, at frame*

62.2 kN

58.3 kN