



**OECD approval number**

**2/1 823**

**Restricted Code**

**22/04/1999**

**OECD approval date**

**Make**

**Fendt**

**Model**

**Farmer 309 C**

**Type**

**4 WD**

**Manufacturer**

**Agco GmbH & Co.**

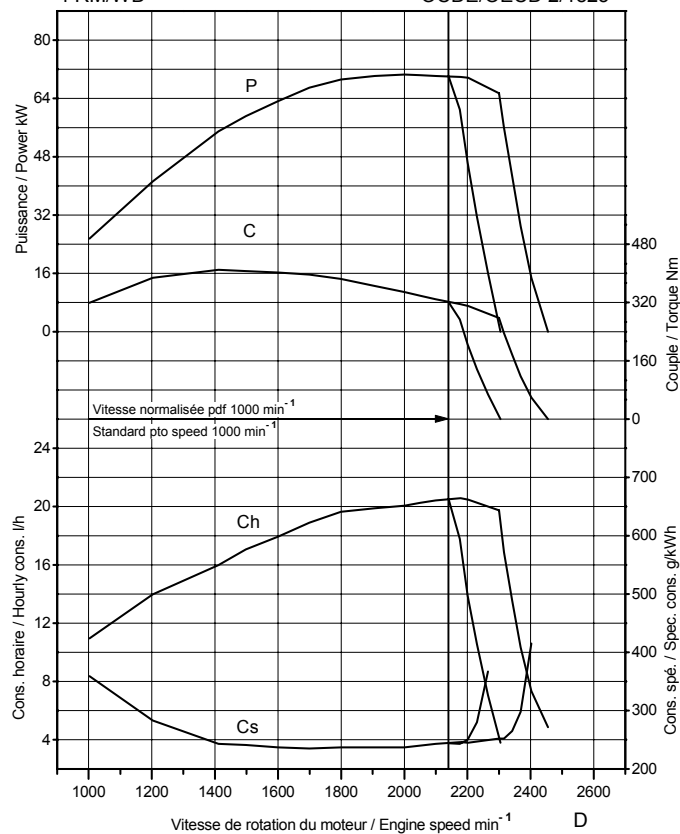
**Testing station:**

**DLG, Groß-Umstadt, Germany**

**Fendt Farmer 309 C**

**4 RM/WD**

**OCDE/OECD 2/1823**



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

<i>Make, Model</i>	Deutz	BF 4 M 1012 EC	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	4	in line	
<i>Capacity, Cooling</i>	3192 cm <sup>3</sup>	Liquid	
<i>Gear box</i>		Mechanical synchronized	
<i>Number of forward and reverse speeds</i>		21	21
<i>Speed at rated engine speed</i>		from 1.34	to 38.02 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>		606 min <sup>-1</sup>	1106 min <sup>-1</sup>
<i>Diameter of the shaft</i>		35 mm	35 mm
<i>Number of splines</i>		6	6

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

<i>Power, Engine and Power take-off speed</i>	70.6 kW	2000 min <sup>-1</sup>	928 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		20.06 l/h	237 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	65.4 kW	2300 min <sup>-1</sup>	1080 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		19.75 l/h	252 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	70.2 kW	2140 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		20.55 l/h	244 g/kWh

Torque rise

<i>Maximum torque. Engine speed corresponding</i>		410.2 Nm	1411 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	440/65 R 24	540/65 R 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4590 kg	
<i>Maximum drawbar pull</i>	50.8 kN	<i>Not</i>
<i>at speed of</i>	3.82 km/h	<i>required</i>
<i>Maximum power</i>	60.9 kW	<i>in</i>
<i>at speed of</i>	7.05 km/h	<i>Code 2</i>

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>		Opened centre	
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	69.2 l/min	16.0 MPa	18.5 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		33.3 kN	27.0 kN

