



OECD approval number

2/2 136

OECD approval date

Restricted Code

09/06/2004

Make

Fendt

Model

716 NA - F1 Vario

Type

4 WD

716 Vario NA - 50 km/h

Manufacturer

AGCO GmbH & Co.

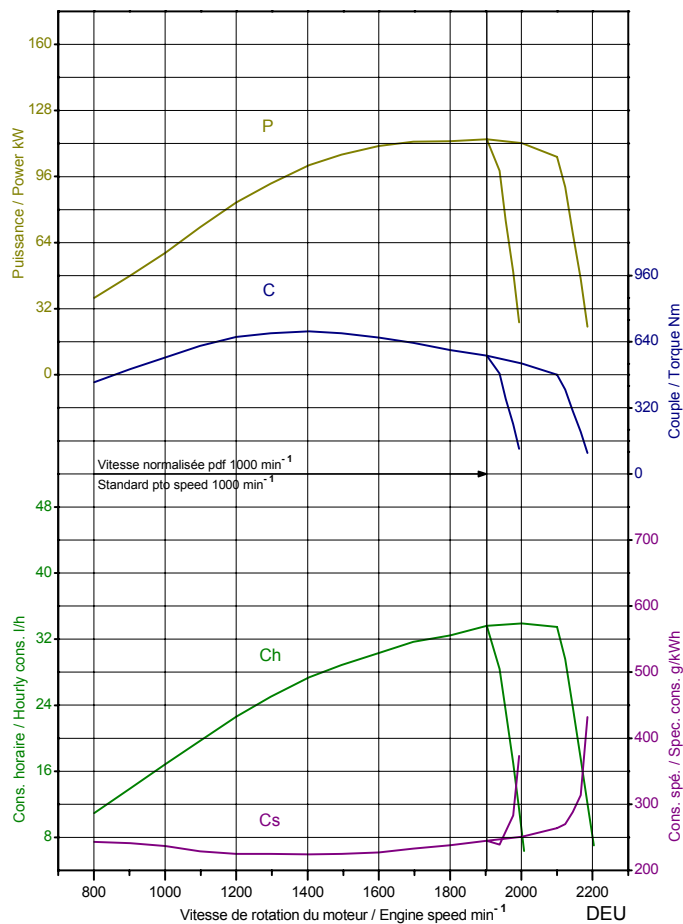
Testing station:

DLG, Gross-Umstadt, Germany

Fendt 716 NA-F1 Vario

4 RM/WD

OCDE/OECD 2/2136



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Deutz	BF6M2013 Code CE 118T	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	in line	
<i>Capacity, Cooling</i>	5702 cm ³	Liquid	
<i>Gear box</i>		Hydrostatic and mechanical	
<i>Number of forward and reverse speeds</i>		Not significant	
<i>Speed at rated engine speed</i>		from 0.00	to 50.00 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>		587 min ⁻¹	1103 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>	114.1 kW	1903 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		33.61 l/h	245 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	105.5 kW	2100 min ⁻¹	1103 min ⁻¹
<i>Hourly and specific consumption</i>		33.47 l/h	264 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	114.1 kW	1903 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		33.61 l/h	245 g/kWh

Torque rise

		43.8 %	
--	--	--------	--

<u>Maximum torque, Engine speed corresponding</u>		690.0 Nm	1404 min ⁻¹
---	--	----------	------------------------

Drawbar Test*Front tyres, Rear tyres*

540/65 R 28 650/65 R 38

Test with tractorunballasted ballasted*Total Mass*

6720 kg

Maximum drawbar pull

69.6 kN

at speed of

4.28 km/h

*Not required**Maximum power*

97.2 kW

*in**at speed of*

9.50 km/h

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

Closed

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

81.5 l/min

18.0 MPa

24.5 kW

Maximum lifting force*at hitch points, at frame*

58.5 kN

53.6 kN

