



OECD approval number

2/2 263

Restricted Code

OECD approval date

13/07/2005

Make

Fendt

Model

818 NA - F1 Vario TMS

Type

4 WD

718 Vario NA - 50 km/h

Manufacturer

AGCO GmbH

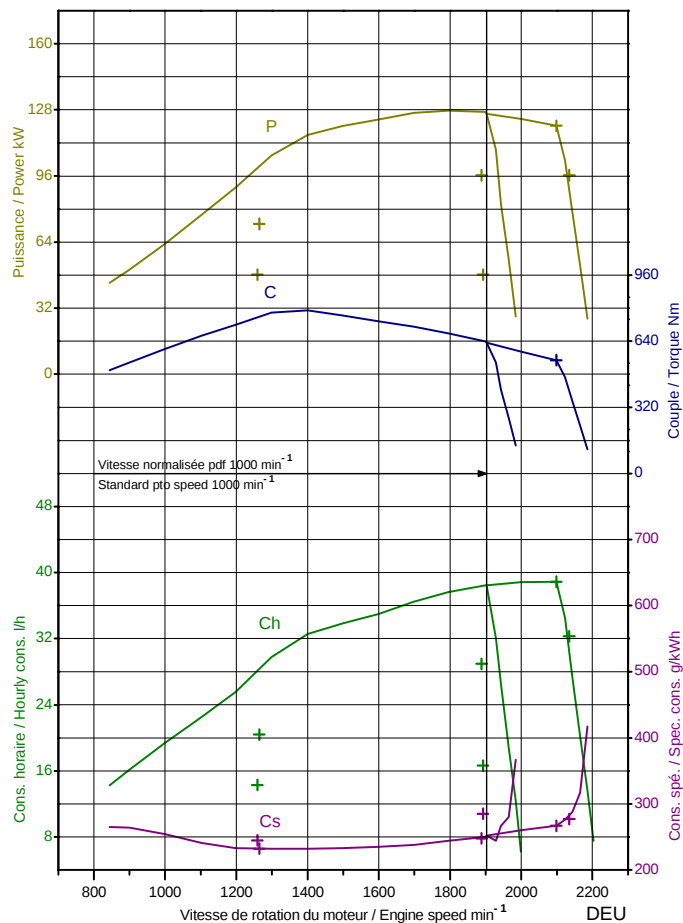
Testing station:

DLG, Gross-Umstadt, Germany

Fendt 818 Vario

4 RM/WD

OCDE/OECD 2/263



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Deutz	BF6M2013 Code CE 138T	
<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
<i>Standard Power take-off speed</i>		540 min ⁻¹	1000 min ⁻¹
<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>	127.6 kW	1796 min ⁻¹	944 min ⁻¹
<i>Hourly and specific consumption</i>		37.65 l/h	244 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	120.3 kW	2099 min ⁻¹	1103 min ⁻¹
<i>Hourly and specific consumption</i>		38.90 l/h	267 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	126.2 kW	1903 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		38.49 l/h	252 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		790.0 Nm	1400 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

540/65 R 30 650/65 R 42

Test with tractorunballasted ballasted*Total Mass*

7240 kg

Maximum drawbar pull

77.5 kN

at speed of

4.35 km/h

Not required

Maximum power

109.9 kW

in

at speed of

12.45 km/h

Code 2

Hydraulic Performance and Power Lift Test*Hydraulic system*

Closed

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

77.5 l/min

17.0 MPa

21.9 kW

Maximum lifting force*at hitch points, at frame*

66.2 kN

59.0 kN

