



OECD approval number

2/2 068

OECD approval date

Restricted Code

25/06/2003

Make

Fendt

Model

918 Vario

Type

4 WD

Manufacturer

NA - F1 - 50 km/h

Testing station:

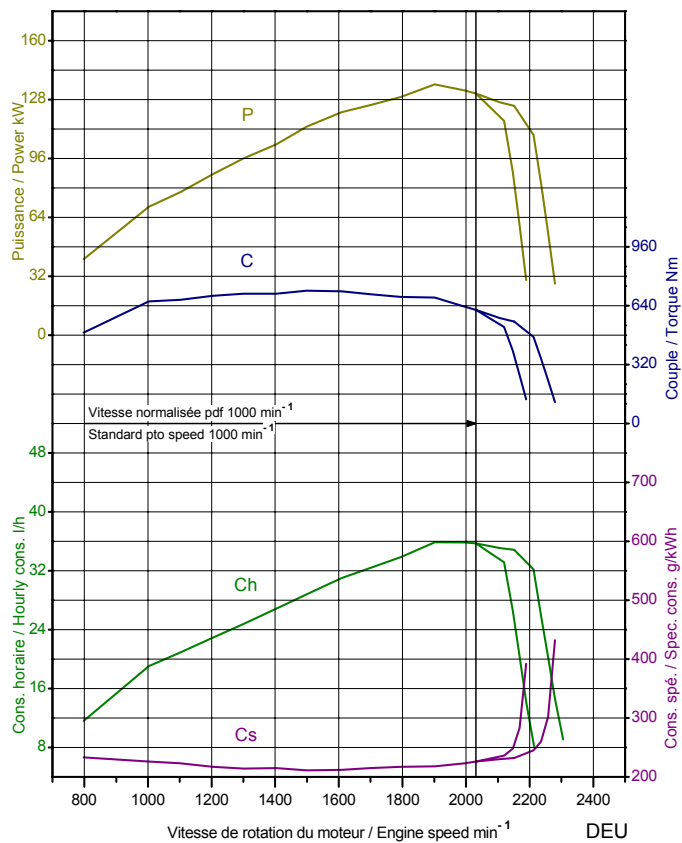
AGCO GmbH & Co.

DLG, Gross-Umstadt, Germany

Fendt 918 Vario (NA - F1)

4 RM/WD

OCDE/OECD 2/2068



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	MAN	DO 836LE501
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	in line
<i>Capacity, Cooling</i>	6871 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>	1058 min ⁻¹	
<i>Diameter of the shaft</i>	45 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>	136.4 kW	1902 min ⁻¹	936 min ⁻¹
<i>Hourly and specific consumption</i>		35.90 l/h	218 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	124.6 kW	2151 min ⁻¹	1059 min ⁻¹
<i>Hourly and specific consumption</i>		34.84 l/h	232 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	131.3 kW	2031 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		35.73 l/h	226 g/kWh

Torque rise

		30.6 %	
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<u>Maximum torque, Engine speed corresponding</u>	722.0 Nm	1499 min ⁻¹	
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Drawbar Test*Front tyres, Rear tyres*

	14.9 R 38	480/80 R 46
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<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	8555 kg	
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<i>Maximum drawbar pull</i>	87.0 kN	Not
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<i>at speed of</i>	4.01 km/h	required
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<i>Maximum power</i>	114.5 kW	in
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<i>at speed of</i>	9.57 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

		Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	71.3 l/min	17.6 MPa	20.9 kW
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Maximum lifting force

<i>at hitch points, at frame</i>	67.5 kN	71.6 kN
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