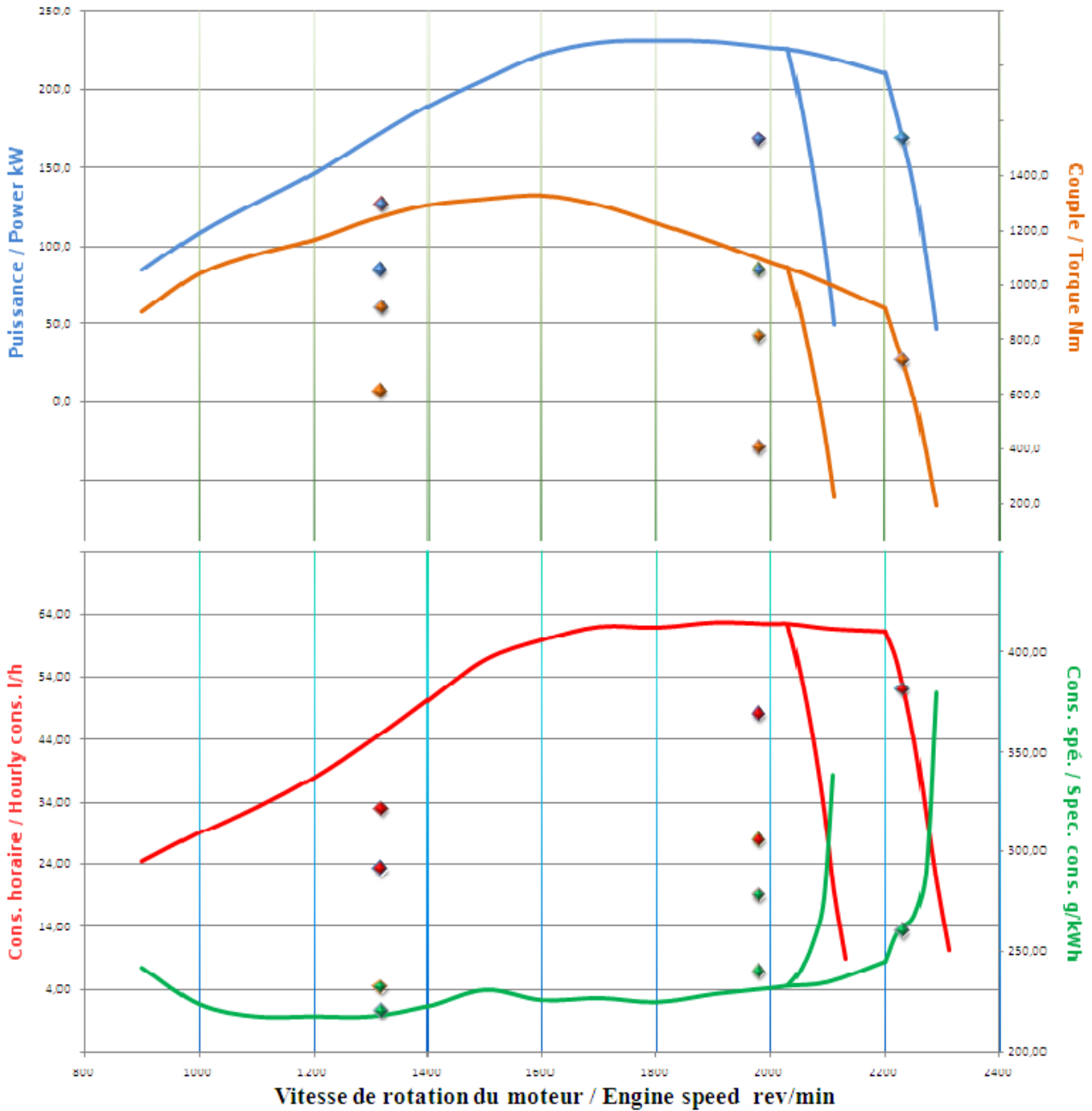




**OECD approval number** 2/2 543  
**OECD approval date** 03/03/2010  
**Make** Fendt  
**Model** 933 Vario TMS, COM IIIa  
**Type** 4 WD  
 T 931 - continuously variable transmission - 60 km/h  
**Manufacturer:** AGCO GmbH  
**Testing station:** DLG e.V., Gross-Umstadt, Germany

Fendt 933 Vario TMS, COM IIIa  
4 RMWD

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

<i>Make, Model</i>	Deutz	TCD 2013L06 4V
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	7146 cm <sup>3</sup>	Liquid
<i>Gear box</i>		continuously variable transmission
<i>Number of forward and reverse speeds</i>	Not Applicable	Not Applicable
<i>Speed at rated engine speed</i>		from 0 to 60 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>		583 min <sup>-1</sup> 1083 min <sup>-1</sup>
<i>Diameter of the shaft</i>	44,45 mm	44,45 mm
<i>Number of splines</i>	6	6

**Power take-off Test**

<u>One hour test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	231,4 kW	1800 min <sup>-1</sup>	887 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		61,87 dm <sup>3</sup> /h	225 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	210,3 kW	2200 min <sup>-1</sup>	1084 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		61,25 dm <sup>3</sup> /h	245 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	225,9 kW	2030 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		62,48 dm <sup>3</sup> /h	233 g/kWh
<i>Torque rise</i>			45,5 %
<u>Maximum torque, Engine speed corresponding</u>		1328 Nm	1600 min <sup>-1</sup>

**Drawbar Test**

<i>Front tyres, Rear tyres</i>	600/70 R 34	710/75 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	10690 kg	
<i>Maximum drawbar pull</i>	107,01 kN	<i>Not</i>
<i>at speed of</i>	5,57 km/h	<i>required</i>
<i>Maximum power</i>	200,27 kW	
<i>at speed of</i>	13,84 km/h	

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>		Closed
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	103,2 l/min	17,7 MPa      30,4 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	205,9 l/min	18,0 MPa      61,8 kW
<u>Maximum lifting force</u>		
<i>at the hitch points, at frame</i>		83,6 kN      78,6 kN