



**OECD approval number**

**2/2 235**

**Restricted Code**

**23/03/2005**

**OECD approval date**

**Make**

**AGCO**

**Model**

**RT 120**

**Type**

**4 WD**

**G31 - CVT - 40 km/h**

*Manufacturer*

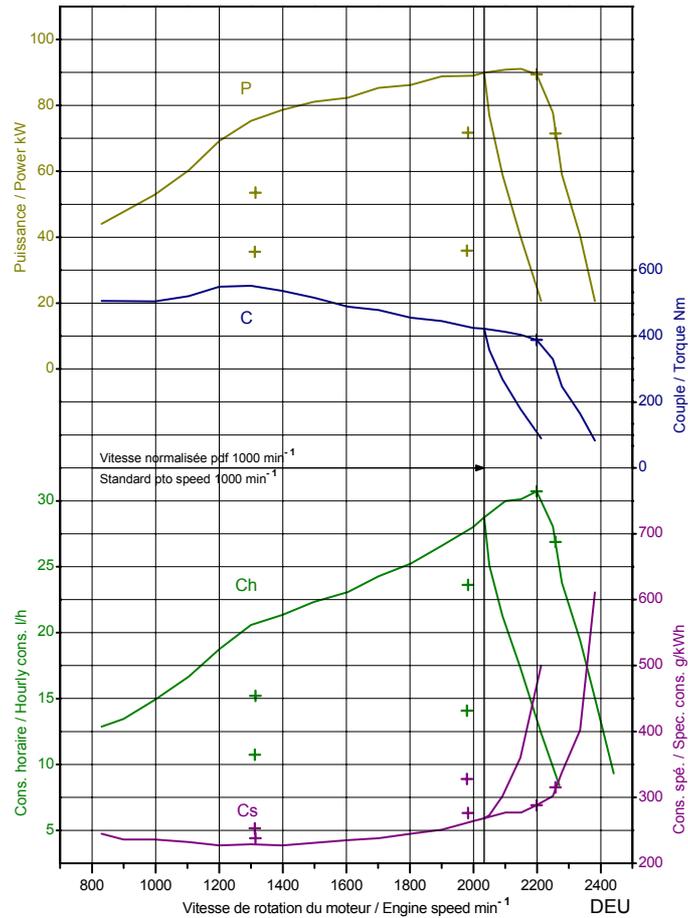
**AGCO S.A.**

*Testing station:*

**DLG, Gross-Umstadt, Germany**

**AGCO RT 120  
4 RM/WD**

**OCDE/OECD 2/235**



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

<i>Make, Model</i>	Cummins	6BTA6.7MECH	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	vertical in line	
<i>Capacity, Cooling</i>	6830 cm <sup>3</sup>	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 40.00 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>		576 min <sup>-1</sup>	1083 min <sup>-1</sup>
<i>Diameter of the shaft</i>		35 mm	35 mm
<i>Number of splines</i>		6	21

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

<i>Power, Engine and Power take-off speed</i>	91.1 kW	2150 min <sup>-1</sup>	1057 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		30.13 l/h	277 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	89.4 kW	2199 min <sup>-1</sup>	1081 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		30.72 l/h	288 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	89.9 kW	2034 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		28.76 l/h	268 g/kWh

Torque rise

<u>Maximum torque. Engine speed corresponding</u>		553.0 Nm	1300 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>		14.9 R 28	18.4 R 38
<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>		6830 kg	
<i>Maximum drawbar pull</i>		63.3 kN	<i>Not</i>
<i>at speed of</i>		3.65 km/h	<i>required</i>
<i>Maximum power</i>		75.7 kW	<i>in</i>
<i>at speed of</i>		7.78 km/h	<i>Code 2</i>

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	107.9 l/min	16.4 MPa	29.6 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		61.3 kN	48.6 kN

